



**Contractors Equipment • Supplies • Rental • Fasteners • Shoring  
Chute Systems • Concrete Forms • Formliners • Decorative Concrete**



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## **VOLCLAY** **WATERSTOP-RX®**

### Expanding Waterstops for Concrete Construction Joints

Waterstop-RX is a flexible strip concrete construction joint waterstop that provides a positive seal by expanding upon contact with water. Waterstop-RX is an active waterstop that functionally replaces conventional passive PVC dumbbell waterstops. Waterstop-RX is designed for both continuous and intermittent hydrostatic conditions and has been successfully tested to resist 231 feet (70 m) of hydrostatic pressure.

The key to the effectiveness of Waterstop-RX is its high sodium bentonite content which provides superior expansion to seal cracks and fill small voids. Proven effective on projects worldwide for over 20 years, Waterstop-RX is a reliable and cost-effective solution to preventing water infiltration through concrete joints.

Installation is fast and easy. Simply adhere Waterstop-RX to the concrete, steel, or PVC (pipes) with CETSEAL Adhesive and then pour the concrete. Waterstop-RX reduces labor costs by eliminating the workmanship rigors of welding the joints or split-forming associated with traditional PVC dumbbell type waterstops. Waterstop-RX can also be used to provide protection when conventional PVC waterstop has been installed without the joints welded.

Three different sizes and profiles are available to match to you specific project needs: RX-101, RX-101T, and RX-102. Waterstop-RX 101 is the largest profile with a rectangular cross section of 1" by 3/4" (25 x 19 mm). Waterstop-RX 101T is a 1-1/4" by 1/2" trapezoidal shape profile with a reinforcing poly scrim embedded in the surface. The patented trapezoidal shape of RX-101T distributes the expansion pressures over a greater area and the reinforcing scrim provides additional product stability when concrete is placed. Waterstop-RX 102 is a half-round profile measuring 3/4" by 3/8". requiring only 2" of concrete coverage, RX-102 is designed for concrete less than 8" (200 mm) thick.

#### WATERSTOP-RX PRODUCT TABLE

PRODUCT	SIZE	SHAPE	LN FT/ CARTON
RX-101	1" x 3/4" x 16' 8"	Rectangle	100 lf. (30.4m)
RX-101T	1-1/4" x 1/2" x 20'	Trapezoid with Poly Scrim Reinforcement	120 lf. (36.5m)
RX-102	3/4" x 3/8" x 33' 4"	Half-Circle	200 lf. (61m)

### Waterstop-RX Advantages Over PVC Dumbbell Waterstops

- **Easy to Install** – Waterstop-RX can be installed by one person without split-forming or splice welding roll ends.
- **Positive Seal** – Waterstop-RX swells and forms a positive seal.
- **No Special Transition Parts** – Waterstop-RX does not require special cross, corner, or "L" parts to transition from horizontal to vertical.
- **Safe** – Waterstop-RX is non-toxic and requires no special handling.
- **Flexible** – Waterstop-RX has excellent flexibility so it can be installed around irregular penetrations like steel H-Piles.
- **New-to-existing Concrete** – Installs without chipping or saw-cutting existing concrete

### Typical Applications

- Construction joints in foundation slabs or below grade walls.
- Around pipes, steel H-piles and other penetrations.
- New-to-existing concrete work.
- Septic tanks, sanitary and storm sewer manholes.
- Utility and burial vaults.
- Box culverts.
- Potable water tanks.



**RX 101 - 3/4" x 1"**

*Designed for vertical and horizontal concrete 8" thick or greater.*



**RX 101T - 1-1/4" x 1/2"**

*Reinforced trapezoidal designed for shotcrete, extreme hot weather and difficult applications.*



**RX 102 - 3/8" x 3/4"**

*Designed for vertical and horizontal concrete 5"-8" thick.*

Waterstop-RX is not a self-adhering product. CETSEAL is required to secure Waterstop-RX to concrete, metal, or PVC (pipe) surfaces. Mechanical fasteners should not be used to secure Waterstop-RX alone but may be used in conjunction with adhesive.

### CETSEAL

CETSEAL is a multi-purpose, single component polyether moisture cure sealant/adhesive. CETSEAL is a low VOC, 100% solids, non-shrinking product with excellent UV resistance.

**Waterstop Adhesive:** Apply a continuous bead of CETSEAL to substrate and/or waterstop then install waterstop before CETSEAL skins over. Yield will vary with use, substrate and application. Typical yield at 1/4" (6 mm) diameter bead:

- 10.1 oz cartridge - 20 linear feet (6 m)
- 20 oz foil pack - 40 linear feet (12 m)

### Packaging:

- 10.1 oz cartridges - 12 cartridges per case.
- 20 oz foil packs - 12 foil packs per case



## PVC WATERSTOPS FOR MOVING JOINTS

### Ribbed Center Bulb

Catalog Number	Head Pressure	lb/ft.	Profile
RCB-4316	50'	.40	
RCB-4316LB	65'	.74	
RCB-6316	100'	.73	
RCB-6316NT	100'	.86	
RCB-614	125'	.98	
RCB-638	125'	1.16	
RCB-638NT	125'	1.55	
RCB-638BR	125'	1.19	
RCB-638LB	125'	1.60	
RCB-612	150'	1.90	
RCB-9316	150'	1.20	
RCB-938	175'	1.68	
RCB-938NT	175'	2.40	
RCB-938LB	175'	2.25	
RCB-938VLB	175'	2.73	
RCB-938BR	175'	2.41	
RCB-12316	150'	1.56	
RCB-1212	225'	3.84	
RCB-1212T	225'	3.60	

### Split Rib

Catalog Number	Head Pressure	lb/ft.	Profile
SR-4316	65'	.52	
SR-6316	100'	.75	
SR-638	100'	1.54	
SR-938	150'	2.04	

### Dumbbell With Center Bulb

Catalog Number	Head Pressure	lb/ft.	Profile
DBC-614	100'	1.41	
DBC-938	150'	3.10	
DBC-938L	150'	3.70	

### Tear Web

Catalog Number	Head Pressure	lb/ft.	Profile
CTW 1-2	150'	1.10	
TW-618	65'	.78	
TW-918	100'	1.00	
TW-938	150'	3.78	

## PVC WATERSTOPS FOR NON OR LIMITED MOVEMENT JOINTS

### Flat Ribbed

Catalog Number	Head Pressure	lb/ft.	Profile
FR-4316	65'	.45	
FR-6316	100'	.76	
FR-638	125'	1.50	
FR-638T	125'	1.30	
FR-638RT	125'	1.55	
FR-9316	150'	1.20	
FR-938	175'	2.37	
FR-938T	175'	2.07	

### Dumbbell

Catalog Number	Head Pressure	lb/ft.	Profile
DB-4316	65'	.49	
DB-6316	100'	.71	
DB-6316LB	100'	.84	
DB-614	100'	.98	
DB-638	150'	1.50	
DB-9316	100'	1.01	
DB-938	150'	2.17	
DB-938LB	150'	2.55	
DB-1238	150'	2.99	

### Split Dumbbell

Catalog Number	Head Pressure	lb/ft.	Profile
SD-638	125'	1.51	
SD-938	150'	2.20	

### Base Seal

Catalog Number	Head Pressure	lb/ft.	Profile
BS-618	100'	.89	
BS-718	75'	.81	
BS-72518	160'	.88	
BS-9316	150'	1.55	
BS-9532	100'	1.53	
CU-912	n/a	4.46	

### Multi Rib

Catalog Number	Head Pressure	lb/ft.	Profile
MR-314	10'	.84	
MR-412	50'	1.24	

### Retro Fit

Catalog Number	Head Pressure	lb/ft.	Profile
RF-4316	n/a	.85	
RF-638	n/a	2.15	

### CUSTOM SPLICES

An important factor in the watertightness of any waterstop is the reliability of splices. With BoMetals fittings, you are guaranteed greater strength and efficiency with ease of field installation. The following factory made splices are available in PVC & TPER.



Vertical EII



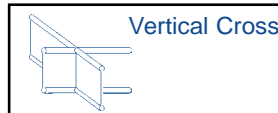
Flat EII



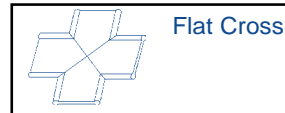
Vertical Tee



Flat Tee



Vertical Cross



Flat Cross

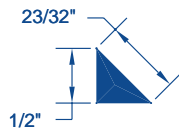
## PVC CHAMFER AND RADIUS FORMERS

Chamfer and Radius formers are designed to create outside corners on columns, piers, beams or walls. They provide a clean, smooth finished edge.

**1/2" Chamfer Former**

**CS -500**

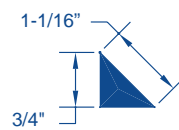
500 ft./roll  
42 lbs



**3/4" Chamfer Former**

**CS -750**

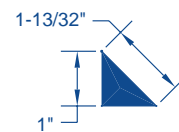
200 ft./roll  
39 lbs



**1" Chamfer Former**

**CS -1000**

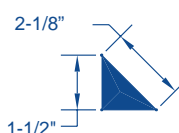
10 ft. length  
300 ft/ctn  
101 lbs



**1-1/2" Chamfer Former**

**CS -1500**

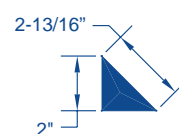
10 ft. length  
150 ft/ctn  
113 lbs



**2" Chamfer Former**

**CS -2000**

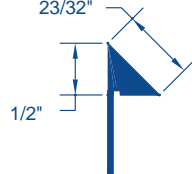
10 ft. length  
100 ft/ctn  
134 lbs



**1/2" Chamfer Former w/Leg**

**CL -500**

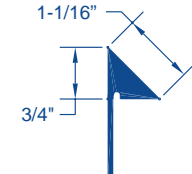
10 ft. length  
500 ft/ctn  
54 lbs



**3/4" Chamfer Former w/Leg**

**CL -750**

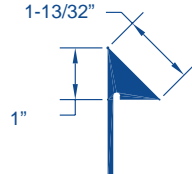
10 ft. length  
300 ft/ctn  
68 lbs



**1" Chamfer Former w/Leg**

**CL -1000**

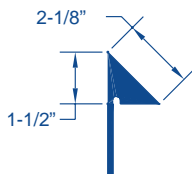
10 ft. length  
300 ft/ctn  
116 lbs



**1-1/2" Chamfer Former w/Leg**

**CL -1500**

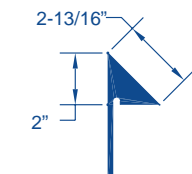
10 ft. length  
150 ft/ctn  
121 lbs



**2" Chamfer Former w/Leg**

**CL -2000**

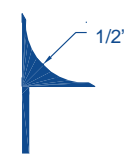
10 ft. length  
100 ft/ctn  
139 lbs



**1/2" Radius Former w/Leg**

**RL -500**

10 ft. length  
500 ft/ctn  
33 lbs



**3/4" Radius Former w/Leg**

**RL -750**

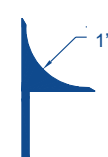
10 ft. length  
300 ft/ctn  
39 lbs



**1" Radius Former w/Leg**

**RL -1000**

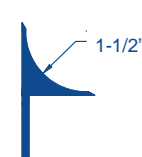
10 ft. length  
300 ft/ctn  
59 lbs



**1-1/2" Radius Former w/Leg**

**RL -1500**

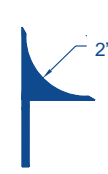
10 ft. length  
150 ft/ctn  
56 lbs



**2" Radius Former w/Leg**

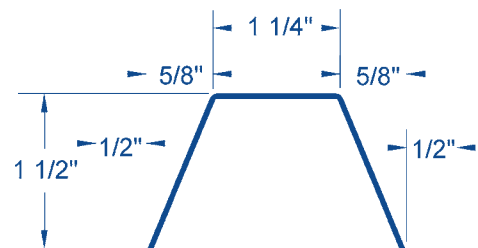
**RL -2000**

10 ft. length  
100 ft/ctn  
63 lbs



## PLASTIC NAIL-ON KEYWAY

- Plastic Nail-On Keyway is nailed to a form prior to pouring
- Installed in tilt-up work, industrial floors, curbs or wherever specified
- Simple to use, lightweight and reusable
- BoMetals quality that you've come to recognize
- 10-foot lengths, 400 feet per box





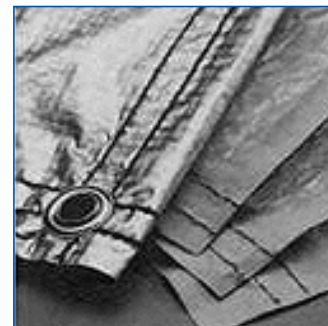
## CONSTRUCTION POLY SHEETING

ROLL Dimension	Square Feet / Roll	Roll Weight [lb]	Pallet Quantity	Pallet Weight [lb]
4 MIL Clear or Black				
3' X 100'	300	5.7	168	840
4' X 100'	400	7.7	168	1294
6' X 100'	600	11.5	104	1196
8' X 100'	800	15.4	96	1469
8'4" X 100'	833	15.9	96	1526
9' X 100'	900	17.3	80	1384
9'4" X 100'	933	17.8	80	1424
10' X 100'	1000	19.1	80	1528
12' X 100'	1200	23	64	1472
14' X 100'	1400	26.9	48	1286
16' X 100'	1600	31	48	1469
20' X 100'	2000	38.4	30	1149
24' X 100'	2400	46	25	1150
28' X 100'	2800	53.8	25	1330
32' X 100'	3200	61.4	25	1520
40' X 100'	4000	76.8	25	1900
6 MIL Clear Or Black				
6' X 100'	600	17.3	72	963
8' X 100'	800	23	56	1288
9' X 100'	900	25.9	56	1450
10' X 100'	1000	28.8	56	1607
12' X 100'	1200	34.6	49	1691
14' X 100'	1400	40.3	30	1206
16' X 100'	1600	48.1	25	1150
20' X 100'	2000	57.4	25	1435
24' X 100'	2400	69.1	20	1380
28' X 100'	2800	80.6	20	1596
32' X 100'	3200	92.2	16	1824
40' X 100'	4000	115.2	12	1824



## Reflective Space Age Technology Concrete Blanket

- Keep concrete warm long enough for safe curing
- Help reduce lost of hydration
- Help avoid cracked concrete
- Multiple R values are available
- Meets state specifications and A.A.S.H.T.O - M182 Class II



New patented Reflective Space Age Concrete Blanket R Value comparisons. Blankets are sewn or sealed at our option unless specified.

R Value			R Value
1.7 to 1.8	1 layer Bubble	= 1/2" Closed Cell	1.7 to 1.8
2.7 to 2.8	2 Layer Bubble	= 3/4" Closed Cell	2.7 to 2.8
6.2	3 Layer Bubble	Exceed 1" Closed Cell	3.6
6.2	3 Layer Bubble	Exceed 1-1/4" Closed Cell	4.5
6.2	3 Layer Bubble	Exceed 1-1/2" Closed Cell	5.4
6.2	3 Layer Bubble	= 1-3/4" Closed Cel	6.2/6.3

Written certification of test results available with order.

All R factors +/- 10%

### Stock Sizes

6' X 25'

12' X 25'

All sizes are cut sizes.

### Weight

10 lbs. per 6' X 25' (one layer)

20 lbs. per 12' X 25' (one layer)

Additional 3 lbs. for each layer of bubble per 6' X 25'

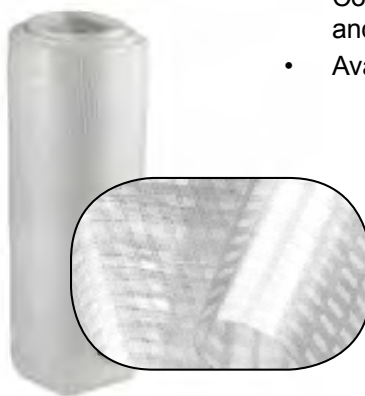
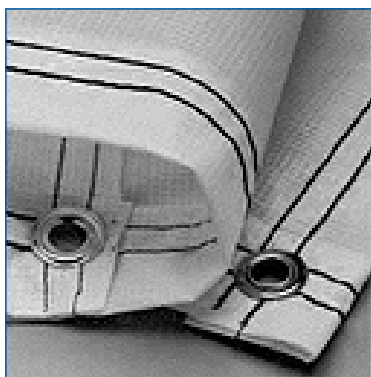
Additional 6 lbs. for each layer of bubble per 12' X 25'

Truckload quantities approximately 90,000 sq. ft. one layer  
(In your warehouse less space per sq. ft.)

Use of any concrete blanket does not guarantee concrete protection.

## Building Tarps 14 mil

- Weather protection
- Ideal for large scale protection
- Retains heat during cold weather
- Negative pressure enclosure



## Reinforced Poly

- Superior heavy-duty film resists in any direction
- Perfect as a vapor and weather barrier in construction
- Waterproof, rot proof, and resistant to many chemicals
- Covers can be ventilated to eliminate moisture and mildew
- Available in 100' rolls





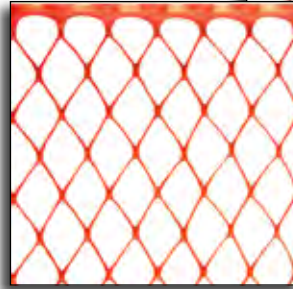
## Grip-Rite™ Barrier Fence

Lightweight, Economical, Durable And Highly Visible

### Heavy Duty Diamond Grid

The durable, rigid favorite for construction barricades and crowd control. Exclusive safety edges protect materials and personnel on the jobsite during installation and removal. Reusable and highly durable barrier fence is UV resistant and available in high visibility colors. Ideal visual barrier for crowd control, recreation, and jobsite warning barriers.

- ✓ Highly visible OSHA orange
- ✓ UV stable for long life
- ✓ High strength oriented polypropylene (PP) mesh
- ✓ Shrink wrap packaging
- ✓ Exceptionally sturdy
- ✓ Color label with UPC code on each roll
- ✓ Mesh Size 1.75" x 2.5"
- ✓ Thickness in Mils .175



1

### Heavy Duty Diamond Grid

SKU	Description	Color	Size	Weight	Pallet Quantity
BFD450GR	Heavy Duty Diamond Grid	Orange	4 ft. x 50 ft.	12 lbs.	35
BFD4100GR		Orange	4 ft. x 100 ft.	25 lbs.	20

## Grip-Rite™ Silt Fence

Jobsite Erosion Control

### SF and SP Series Silt Fence

A Grip-Rite Exclusive-Only Grip-Rite SF and SP series fence feature the 1" Grip-Cap® plastic fastener - five fastenings per post. Grip-Caps increase holding power while reducing fastener abrasion resulting in a long lasting installation.

Grip-Rite silt fence is designed to meet a wide range of jobsite needs from the open-spec to the DOT markets. Utilizing a variety of filter fabrics, Grip-Rite silt fence allows water to pass through the fabric, while suspended soil particles are trapped and settle to the ground. This restricts the loss of costly jobsite material, keeps our roads and highways free of mud, and protects our lakes and streams from harmful silt build-up.



### Silt Fence

SKU	Description	Fabric	Roll Size	Stake Size	Stakes per Roll	Weight per Roll	Rolls per Pallet
SF1273611	SF and SP Series Silt Fence	127GR	36 in. x 100 ft.	1-1/8in.x1 1/8"x48in. nominal	11	21 lb.	50
M01303621	DOT Series Silt Fence	130GR	36 in. x 100 ft.	1-1/2in.x1-1/2in.x48in. nominal	21	42 lb.	50

\*Metal posts and wire mesh sold separately





### Debris Netting

#### Features

Debris Netting is an economical and versatile solution for a wide range of construction, industrial, and recreational protection problems.

- Vertical Debris Containment. Debris Netting is effective as a vertical barrier for open floors, scaffolding, warehouse storage racks, conveyers, and sports applications. It is used to satisfy OSHA regulations for debris containment, perimeter safety, overhead protection, and the all-inclusive "general duty" clause.
- Horizontal Debris Netting. Debris Netting is useful as horizontal debris netting when installed above elevated worksites. It protects both workers and the public from falling debris, tools, etc. It also protects surrounding buildings from dust and dropping objects.
- Restricts visual intrusion into the jobsite
- Conceals unsightly work areas in congested neighborhoods
- Creates privacy for both the workers and passers-by.
- Lightweight-stays flexible in cold weather
- Assemble with cable ties or "s" hooks

#### Applications

Sand blast curtains, scaffold enclosures, vision barrier, wind protection, protects pedestrians. Can be used in vertical or horizontal applications.

<b>Material</b>	Knitted polyethylene threads with reinforced border
<b>Mesh Size</b>	1/8-inch to 6-inch
<b>Sheet Size</b>	4' x 150', 6' x 150'
<b>Border</b>	rope, binding (double-stitched) w/grommets 18" apart
<b>Color</b>	Green
<b>Capacity</b>	up to 17,000 foot pounds
<b>Treatments</b>	weather resistant, abrasion resistant, flame retardant

### Universal T-Post

#### Features

- Universal Fence T-Post is an economical solution for a wide range of construction, industrial, and recreational protection problems.
- Painted green enamel to prevent rust
- Built to be reusable
- Requires only a mallet to place in the ground

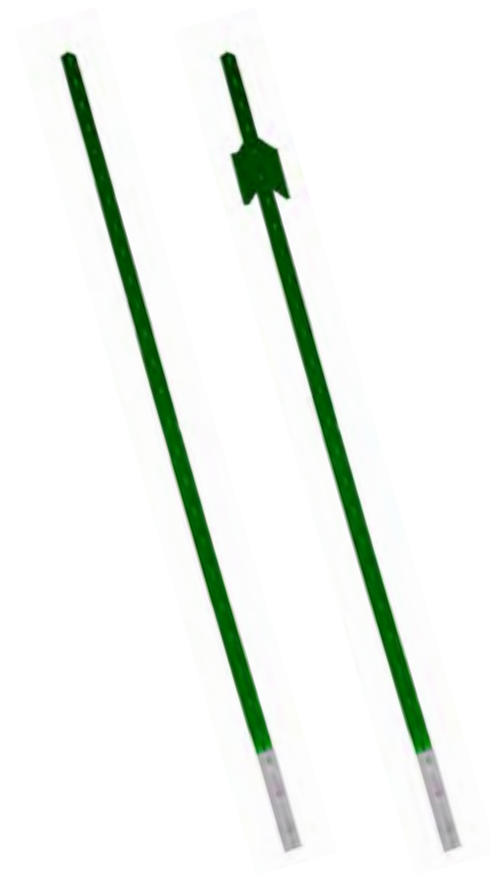
#### Applications

- Sand blast curtains
- Vision barrier
- Wind protection
- Protects pedestrians

T-POST			
Size	Part #	Weight/ft	Description
5'	TP5125PS	1.25 lb	Painted green with white top and spade
6'	TP6125PS	1.25 lb	
7'	TP7125PS	1.25 lb	
5'	TP5133P	1.33 lb	Painted No spade
6'	TP6133P	1.33 lb	

Sold 5 pieces per bundle.

*Note: Other sizes and variations available upon request.*



### TIE WIRE & ACCESSORIES

- PVC coated Rebar Tie Wire to the construction industry
- Produced to the highest standards and quality
- Black are made of soft annealed wire
- Yellow PVC wire is produced for use with epoxy-coated re-bars, bundling, fertilizer or chemical bags
- Bar Ties - easy to twist and hard to break
- Uses: construction, precast and pre-stressed, bagging and bundling, foundries, carpet & textile, fencing, paper and packaging.

#### TIE WIRE

Gauge	Packaging	Wt. (lb)	Part #
16	20 Rolls/Box	70/Box	TW
16	20 Rolls/Box	70/Box	TWP

**Packaging:** 36 boxes per skid.

#### BAR TIES

Length	Gauge	Part #
4"	16	BT4P
4-1/2"	16	BT412P
5"	16	BT5P
5-1/2"	16	BT512P
6"	16	BT6P
6-1/2"	16	BT612P
7"	16	BT7P
7-1/2"	16	BT712P
8"	16	BT8P
9"	16	BT9P
10"	16	BT10
12"	16	BT12

**Packaging:** 4-6.5" 5,000 pcs./box and 30 boxes per skid.  
7-8" 5,000 pcs./box and 16 boxes per skid.

#### BAR TIE TWISTER

Part #	Wt./Ea. (lb)
BTT	1.0

#### UNI-REEL (TIE WIRE REEL)

Description	Part #	WEIGHT
Plastic	UNIR	0.91 lb
Aluminium	TWR	1.96 lb

Heavy duty plastic reel for tie-wire.



1



Black is standard. Please indicate otherwise when ordering.



## FOAMULAR® 150 Rigid Foam Insulation

### ASTM C578 Type X, 15 psi, 1.3 pcf density

All-purpose foam panel insulation for masonry and other applications. Owens Corning FOAMULAR® 150 extruded polystyrene insulation is ideal for wall furring, perimeter/foundation, cavity wall, crawlspace, pre-cast concrete, under slab, sheathing and other applications (Not approved for roofing). Owens Corning's patented Hydrovac® process technology makes the unique closed-cell structure of FOAMULAR® extruded polystyrene insulation highly resistant to moisture, retaining its long term R-value year after year – even following prolonged exposure to water leakage, humidity, condensation, groundwater and freeze/thaw cycling.

High-performance FOAMULAR® 150 extruded polystyrene insulation works to:

- Retard the transmission of water vapor and moisture in masonry walls, helping prevent structural damage.
- Provide insulation in a metal or wood furring system used for masonry or concrete walls.
- Perform below grade in perimeter and foundation applications to complement the insulating sheathing envelope around the building framing.

Resistant to common soils and decay, Owens Corning FOAMULAR® extruded polystyrene insulation retains its insulating performance characteristics even after prolonged exposure to moisture.



Standard Sizes - 150		
Thickness (in)	Width x Length (in)	Edges
1, 1½, 2, 2½, 3	16 x 96, 48 x 96	Square
1, 1½, 2, 2½, 3, 3½	24 x 96	Square
1	48 x 108	Square
1, 1½, 2, 2½, 3	48 x 96	Scored Square
1, 1½, 2	24 x 96, 48 x 96	T&G*
1	48 x 96	T&G*

\* - Tongue-and-groove edge reduces air infiltration



## FOAMULAR® 250 Rigid Foam Insulation

### ASTM C578 Type IV, 25 psi, 1.55 pcf density

Owens Corning FOAMULAR® 250 extruded polystyrene insulation is ideal for wall furring, perimeter/ foundation, cavity wall, crawlspace, pre-cast concrete, under slab, roofing systems, sheathing and other applications (Not approved for roofing). Owens Corning's patented Hydrovac® process technology make the unique closed-cell structure of FOAMULAR® extruded polystyrene insulation highly resistant to moisture, retaining its long term R-value year after year – even following prolonged exposure to water leakage, condensation, ground-water and freeze/thaw cycling.

Excellent insulation performance for a wide variety of building requirements, high-performance FOAMULAR® 250 extruded polystyrene insulation works to:

- When joints are taped, helps provide a weather resistant barrier to enhance the longevity of the building.
- Provides insulation in a metal or wood furring system used for masonry or concrete walls.
- Performs below grade in perimeter and foundation applications, or directly beneath the concrete slab to complement the insulating sheathing envelope around the building framing.

FOAMULAR® extruded polystyrene insulation is ideal for below grade applications. Extruded polystyrene (XPS) is resistant to degradation from material common to most soils and will retain its insulating performance characteristics even after prolonged exposure to moisture.

Owens Corning's FOAMULAR® extruded polystyrene insulation is an ENERGY STAR® qualified product. Green Approved by the National Association of Home Builders.

Standard Sizes - 250		
Thickness (in)	Width x Length (in)	Edges
1, 1½, 2, 2½, 3	16 x 96	Square
¾, 1, 1½, 2, 2½, 3, 3½, 4	24 x 96	Square
¾, 1, 1½, 2, 2½, 3	48 x 96	Square, Scored Square
¾, 1	48 x 108	Square, T&G*
¾, 1, 1½, 2	24 x 96, 48 x 96	T&G*

\* - Tongue-and-groove edge reduces air infiltration



## FOAMULAR® 400/600/1000

### High Density Extruded Polystyrene Rigid Insulation

High-density PINK extruded polystyrene (XPS) rigid insulating boards. FOAMULAR® 400/600/1000 boards are manufactured using Owens Corning patented HYDROVAC® technology. Owens Corning uses blowing agents that meet or surpass government environmental requirements (Montreal Protocol). Their outstanding compressive strength, dimensional stability as well as their excellent thermal resistance (RSI 0.87/25 mm; R-5/in.) and hydrophobic properties (0.7% water absorption) make them an excellent insulation choice for use in large civil engineering works, for roofing and terraces, road applications as well as all other building works where insulation boards are submitted to dead and live heavy loads.

Standard Sizes			
Thickness	FOAMULAR® 400	FOAMULAR® 600	FOAMULAR® 1000
1"	24" x 96"	24" x 96"	
1-1/2"	24" x 96"	24" x 96"	
2"	24" x 96"	24" x 96"	22" x 96"
3"	24" x 96"	24" x 96"	
4"	24" x 96"		

Use FOAMULAR® 400/600/1000 high-density extruded polystyrene rigid insulation where heavy loads will be applied to the insulation. The dead load shall not exceed 1/3 and the live load shall not exceed 1/5 of the published compressive resistance. High-density insulation can be used in the following applications to help:

- reduce heat loss from freeze/thaw- sensitive soils under roads, railways, landing strips and other similar locations; NOTE: In the spring, these heat losses cause degradation of paved areas, compacted fill and topsoil covered areas and may impede pedestrian, vehicular and even animal traffic as well as underground infrastructures (pilon foundations, water and gas piping, backfilled trenches for underground services and others);
- reduce heat gains in permafrost areas where melting decreases its capacity to support traffic bearing roads or building foundations to the point of failure;
- reduce ground heat loss under concrete foundations that support heavy dead loads – i.e. pulp and paper machinery – and/or live loads – i.e. heavy product handling rolling equipment;
- reduce heat loss from automobile parking areas, pedestrian terraces or gardens situated over heated interior spaces; and
- avoid ground freezing under skating rinks, freezers – refrigerators.

To select proper insulation board compression strength, consult design engineers responsible for civil engineering and special building structures and an Owens Corning Canada regional technical support representative.

FOAMULAR® 400/600/1000 extruded polystyrene rigid insulation boards are GREENGUARD and SCS certified (refer to TECHNICAL DATA) and can contribute to obtain LEED® Certification credits when used in a building submitted to the LEED CANADA-NC Green Building Council Rating System.

FOAMULAR® Insulation Product Selection Guide			
Construction Application	Product	ASTM C578 Type	Comments
General Purpose	FOAMULAR® 150	X	Slab edge, foundation, under light slab, steel stud sheathing, masonry cavity wall, concrete tilt-wall, etc.
	FOAMULAR® 250	IV	
Wall			
Insulated Concrete Sandwich Panels	FOAMULAR® 250	IV	Used with low conductivity, metal or other composite grid-type wall ties.
Exterior Insulation Finish System, EIFS	FOAMULAR® 250	IV	Parex I-C Gold with Foamular 250.
Roofing			
PRMA, Plaza Deck, Waterproofing	FOAMULAR® 400	IV	High load, vehicular traffic.
	FOAMULAR® 600	VII	
	FOAMULAR® 1000	V	
Under Slab			
Load Bearing, High Strength, Under Industrial Slabs	FOAMULAR® 400	IV	40, 60, 100 psi compressive strength. Engineer to match Foamular compressive needed to load on slab and slab design. Ranges from light pedestrian to heavy equipment and storage.
	FOAMULAR® 600	VII	
	FOAMULAR® 1000	V	



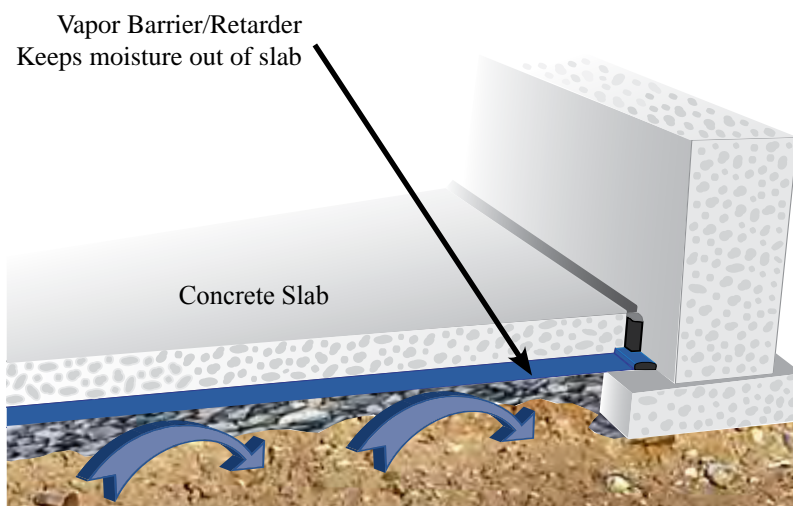
### VaporStop 10/15 - Vapor Barrier/Retarder

SureBuilt Manufacturing offers VaporStop, a high performance underslab vapor barrier/retarder designed to retard moisture migration through concrete slabs-on-grade. It's a time-proven and cost effective way of controlling moisture. Constructed from high-strength polyethylene, VaporStop is designed to help insure quality construction and energy savings in building projects. VaporStop is available in 10 mil (VaporStop 10) and 15 mil (VaporStop 15) thickness, protect your flooring and other moisture sensitive furnishings in your building's interior from moisture migration through the slab, and can also greatly reduce condensation, mold and degradation by controlling water vapor migration.

**VaporStop Tape** is designed to bond specifically to vapor barrier/retarder, making it ideal for sealing VaporStop seams and penetrations. Compatible with ASTM E 1643 - Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill under Concrete Slabs and ASTM D 1000 Standard Test Method for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications. Available in 9 mil thickness, 2" or 4" wide by 60 yards long rolls.

#### VaporStop Applicable Standards

- American Concrete Institute (ACI) - ACI 302.1 R-04 Guide for Concrete Floor and Slab Construction
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover
- ASTM D1709 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
- ASTM E1745 Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs



#### Physical Properties of VaporStop Barrier/Retarder

Properties	VaporStop 10	VaporStop 15
Nominal Thickness	10 mil	15 mil
Size & Weight	14' x 210' / 49 lb/MSF	14' x 140' / 73 lb/MSF
Tensile Strength, new material (ASTM E154)	52 lb/in	88 lb/in
Tensile Strength, after soaking (ASTM E154)	53 lb/in	92 lb/in
Puncture Resistance (ASTM D1709)	2600 g	4000 g
Maximum Use Temperature	180° F	180° F
Minimum Use Temperature	-70° F	-70° F
Water Vapor Permeance, new material (ASTM E154)	0.0146 Perms (grains/(ft <sup>2</sup> •hr•in•Hg))	0.009 Perms (grains/(ft <sup>2</sup> •hr•in•Hg))

## WHY ELEVATION™ GEOFOAM?

Elevation™ Geofoam is engineered to deliver the highest level of stability for transportation or structural projects and clean, quiet fill for hospital and occupied commercial projects:

- Elevation™ Geofoam products are 100 times lighter than soil
- Compressive strength @ 1% deformation ranges from 2.2 psi to 18.6 psi
- No physical strength or dimensional stability degradation from freeze-thaw cycles
- Prefabricated or custom production to meet specific project requirements or easily shaped in-field to install requirements
- No post installation maintenance required
- Closed-cell structure inhibits moisture absorption and the risk of mold or mildew growth
- All blocks trimmed for easy stacking of multiple layers and clearly labeled to indicate block location and density for smooth installation
- EPA-approved termiticide meets the strictest certifications in the market
- Shop drawings included, when necessary, that provide a graphic, block-by-block layout
- No preloading or pre-staging required, for shortened construction schedule
- Block certification offsets time-consuming, costly onsite material quality inspections

Our EPS is environmentally friendly and contains no CFCs, HCFCs or pentane. As an inert material, Elevation™ Geofoam products emit no leachates into the environment.

## APPLICATIONS

Its combination of light weight and compressive resistance makes Elevation™ Geofoam an attractive fill material for a wide variety of transportation and non-transportation applications, from slope and soil stabilization to roadbeds and pavement insulation.



### Non-transportation

- Stadium seating
- Floor leveling
- Retaining walls
- Swimming pool void fill
- Foundation stabilization
- Loading docks and ramps



### Transportation

- Bridge abutments
- Retaining structures
- Road widening
- Utility protection
- Hillside stabilization
- Berms and land forming
- Roadway sound barriers
- Plaza decks
- Embankments
- Parking structure planters



### Light Construction/ Residential Landscaping

- Berms and land forming
- Water features
- Retaining structures
- Golf course design and construction
- Large planters





***The most productive, pre-engineered, factory-built, reusable concrete forming system in use today. It is designed for maximum versatility and can be used to form virtually any concrete structure.***

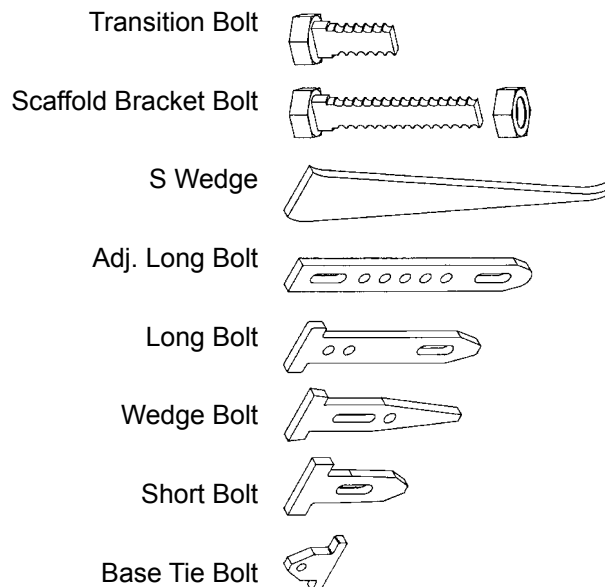
The Steel-Ply forming system may be used in handset or gang form applications, for commercial or residential structures, to form walls of almost any shape or size.

- 1000 psf allowable pressure
- 1/2" HDO plywood gives a great concrete appearance
- No special tools required - just a carpenter's hammer
- The same form can be handset or gang-formed
- Only one type of connecting hardware is required - Wedge Bolts
- Has been the most popular concrete forming system in the USA for over 50 years

The complete Steel-Ply system consists of 80 standard panel and filler sizes. Panel and filler heights range from 3' to 10', in 1' increments. Panel widths are 24" and filler widths range from 4" to 22", in 2" increments. A 5" wide filler and steel 1", 1½", and 2" fillers are also available. Wedge Bolts connect panels, fillers and ties in one simple operation.

Symons special ½" High Density Overlay (HDO) plywood provides a smooth finish. Each piece is edge sealed with polyurethane to repel moisture and prevent delamination. With proper care, contractors can expect up to 200 reuses before plywood replacement.

For productive setting and stripping of forms, Symons offers a variety of connecting hardware:

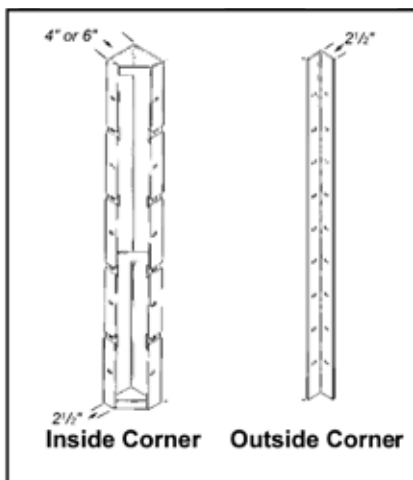
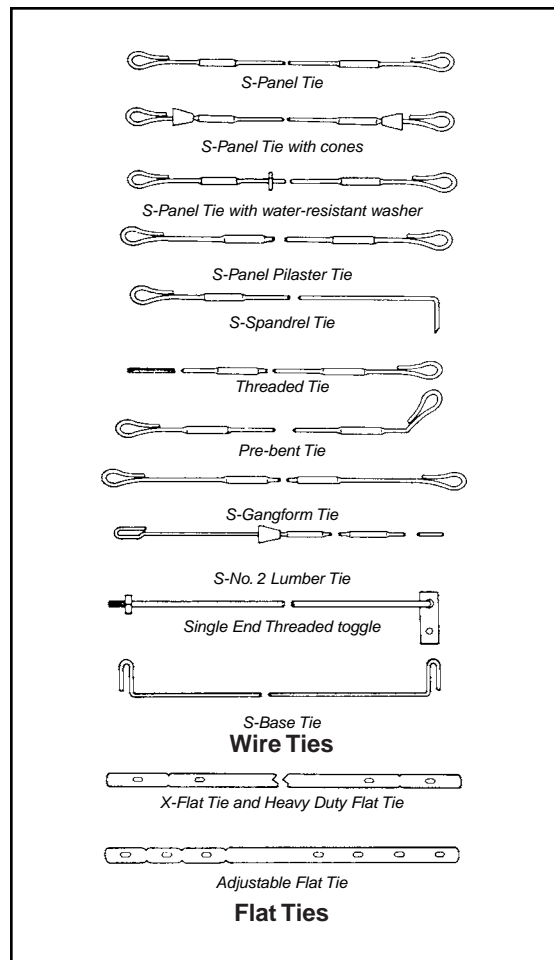


### **Quick-Hook Handle**

The Steel-Ply® panel is also available with a patented Quick-Hook™ Handle design. This exclusive design meets the OSHA 5000 lb capacity requirement for fall protection (Subpart M). The Quick-Hook Handle is integral to the panel design with staggered locations between the crossmembers. This provides convenient climbing and attachment points for personal safety equipment. The same Quick-Hook Handle is used to carry the panel.



Symons has the largest selection of standard and special ties in the industry. Wire ties and flat ties are used for standard Steel-Ply® tie spacing, and reusable load-gathering She-Bolts and Taper Ties are used for wider tie spacing.

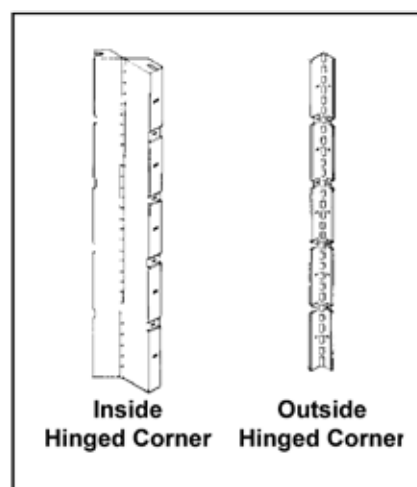
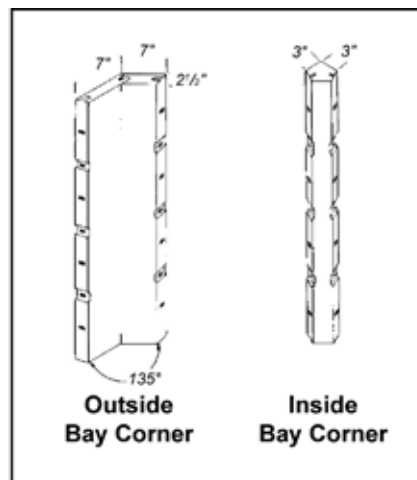


### Inside and Outside Corners

All-steel corners that lock adjoining forms together to make a 90° angle. Standard Inside Corners have a face of 4" x 4" or 6" x 6". Each Inside Corner is manufactured with reinforcing straps to maintain 90°.

### Bay Corners

Inside Bay Corners opposite Outside Bay Corners form a 135° angle. The Inside Bay Corner has a 3" x 3" face, and the Outside Bay Corner has a 7" x 7" face. Bay Corners can also be used horizontally to form wall haunches and "Y" walls.



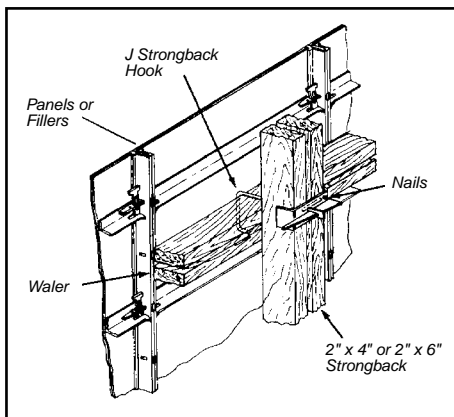
### Hinged Corners

The Inside Hinged Corner may be used to form inside corners down to a 45° angle. The Outside Hinged Corner forms outside corners from 135° down to a 5° angle.

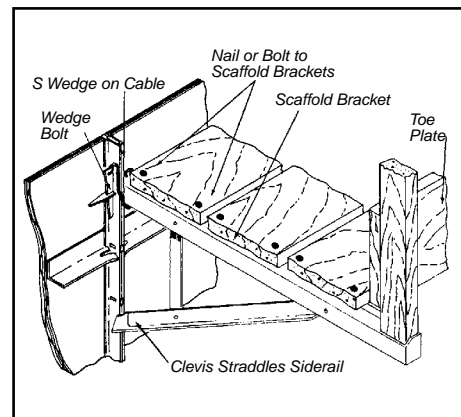
Corners must always be adequately waled, braced and blocked as required.

### Other Hardware:

- One-Piece Waler Bracket
- Z-Tie Holder
- J-Strongback Hooks
- Attachment Plate
- Turnbuckle
- Pipe Form Aligner
- Scaffold Bracket
- Adjustable Pilaster Form
- Culvert Form
- Double Duty Lift Bracket
- Waler Lift Bracket
- Column Lift Corner
- Form Extension Bracket
- Cantilever Bracket
- Brick Ledge Bracket



Strongback Attachment



Scaffold Bracket Attachment

**The Resi-Ply forming system is a 1-1/8" thick plywood with steel backing bars designed especially for residential foundations and low industrial concrete walls.**

The Resi-Ply system can be positioned and set quickly. Each form has attached hardware that secures the ties and adjacent form. This connection also helps align the formwork. Waler Brackets slide over the bolts to secure the lumber and bring formwork into alignment.

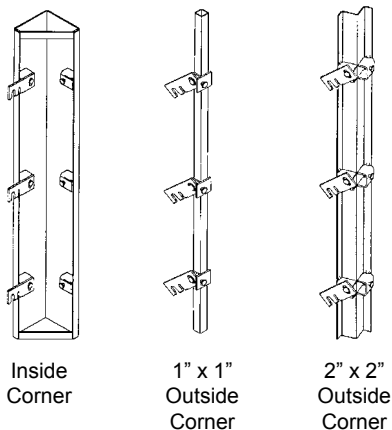
Resi-Ply panels, fillers, ties and other components are interchangeable with other 1-1/8" plywood forming systems, so there's no need to obsolete your current system in order to switch to the Resi-Ply system.

- Durable, 1-1/8" 100/100 HDO conforms to U.S. Product Standard PSI-83 for Structural 1 Plywood
- Attached hardware speeds setting and eliminates lost pieces
- Shallow depth takes up less room on the truck
- Extensive list of panels and fillers means no job-built fillers needed



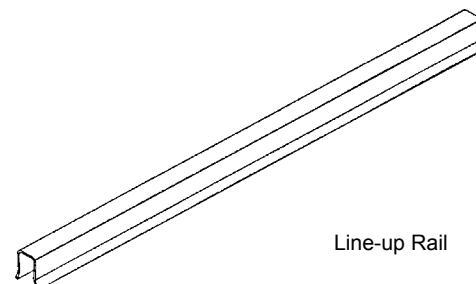
### Corners

Durable all-steel corners are available in heights of 2' through 10' in 1' increments. Reinforcement is added to maintain true 90° corners and save time. Inside Corners are available in 4" x 4", 4" x 6", or 6" x 6" dimensions, for added versatility. 1" x 1" Outside Corners are manufactured with latches for easy assembly. 2" x 2" Outside Corners provide yet another way to form corners.



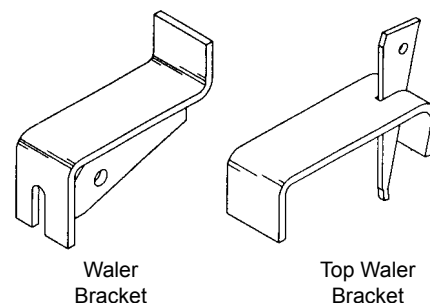
### Line-up Rail

The Line-up Rail eliminates the need for lumber walers. The flared steel design allows easy installation along the top edge of forms for alignment.

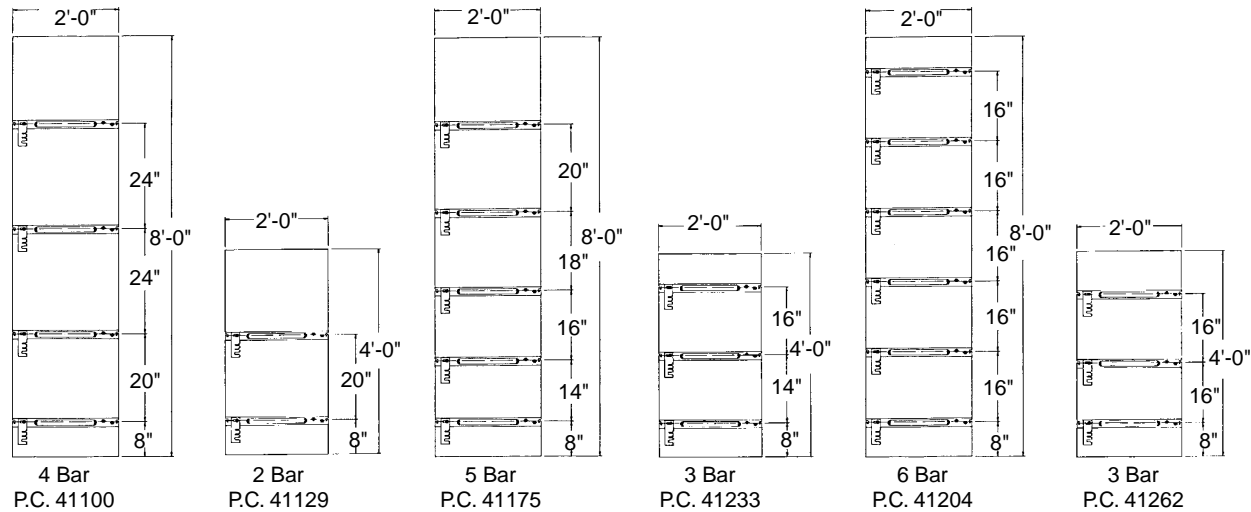


### Walers

With modular forming, the strength of the panels make walers necessary for alignment only. The Resi-Ply system requires only one row of walers for each tier of panels. Waler Brackets are available in nominal 6", 8", 10" and 12" sizes. When attached to panels and fillers, the Waler Bracket provides quick and easy form alignment using conventional lumber. The Top Waler Bracket is another waler option. Placed at top of the form with 2x4 lumber, it quickly aligns forms with a hammer blow to the wedge.



## Bar Spacing



Variety of form heights from 2' to 10' with 4-bar, 5-bar and 6-bar configurations provide extra versatility and compatibility.

## Ties

Resi-Ply™ ties are manufactured from high quality steel and designed to break back cleanly at the concrete surface. Straight or bent ties are available in any length, with an ultimate capacity of 5000 lb. A standard Break Off Tool is used to break tie ends for quick form stripping.

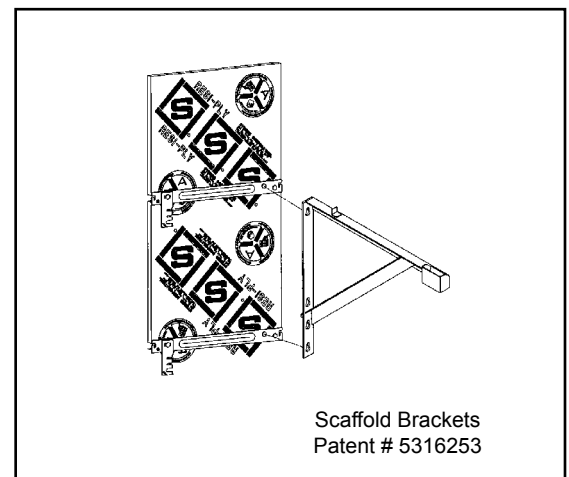
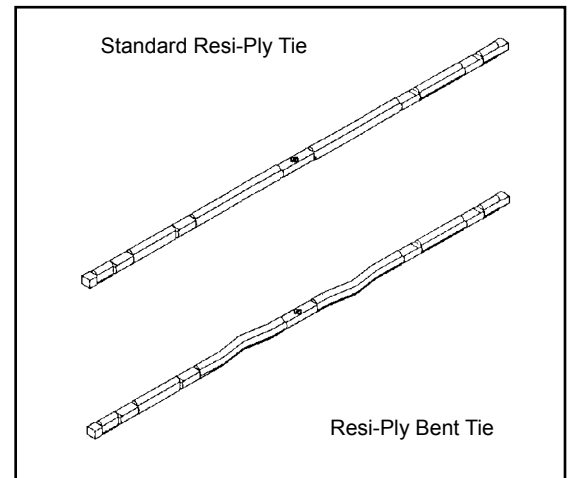
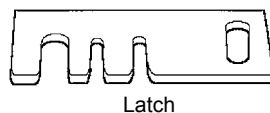
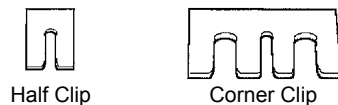
## Scaffold Brackets

The Scaffold Bracket provides a safe working platform for concrete placing operations and meets established OSHA recommendations. The Scaffold Bracket has four keyhole-shaped slots that fit over the shoulder bolts of the 4-bar, 5-bar or 6-bar system. It is designed with a clip angle for a 2" x 6" lumber waler.

**Note:** Scaffold Brackets are work platforms only and may not be used to support cantilevered soffit forms or materials.

## Other Hardware:

- Resi-Ply Aligners
- Hinged Corners
- Inside Bay Corners
- 45° Bay Corner Clips
- Outside Bay Corners
- Transition Fillers
- Stacking Panels
- Stacking Angles
- Stacking Plate
- Half Clips and Corner Clips
- Hardware Accessories

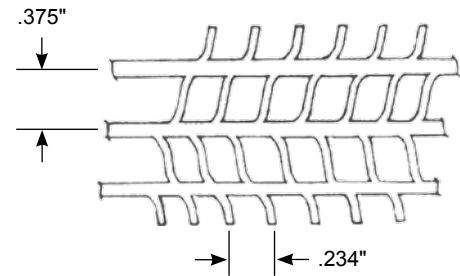




# STAY-FORM

## Features & Benefits

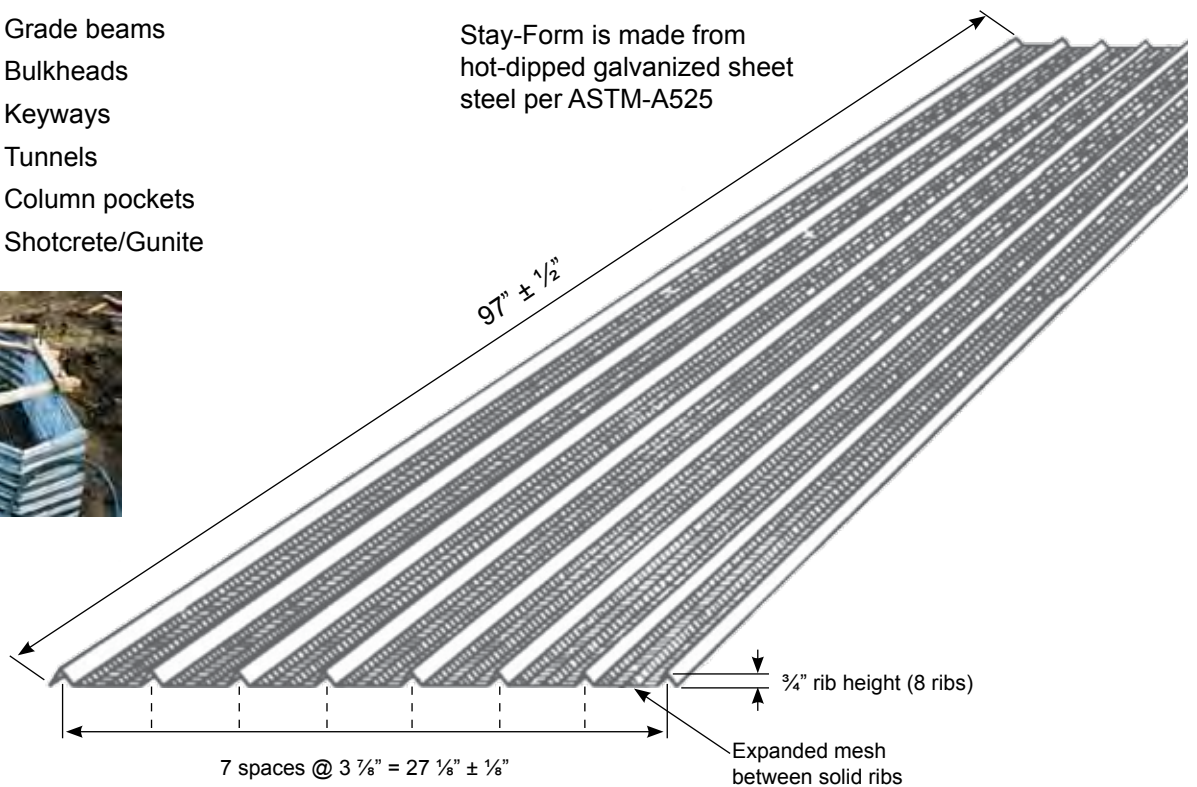
- Reduced labor cost—no stripping costs (bracing only)
- Lightweight sheets are easy to work with (install, cut, bend, etc.)
- Easy rebar and conduit penetrations
- Visual inspection of concrete pour and consolidation
- Retains surrounding soil while forming below grade structures
- Permits water to run out of formwork during concrete pour



## Applications:

Pile caps	Grade beams
Blindside walls	Bulkheads
Retaining walls	Keyways
Footings	Tunnels
Dams	Column pockets
Ductbanks	Shotcrete/Gunite

Stay-Form is made from hot-dipped galvanized sheet steel per ASTM-A525



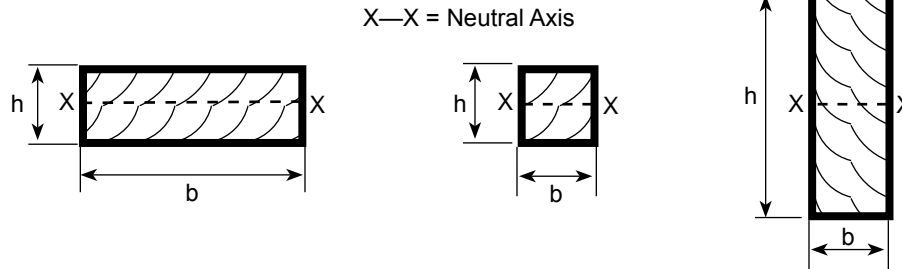
## Stay-Form #66 - 26 Gauge

V-Ribs	3/4" deep and 3-7/8" on center
Sheet size	27" wide x 97" long*
Pallet	250 sheets per pallet (4500 sq.ft.)
Bundle	5 sheets (90 sq.ft.)

\*Also available in 10' and 12' lengths



## PROPERTIES AND DIMENSIONS OF COMMON FORMWORK LUMBER



Nominal size in inches, b x h	American Standard sizes in inches, b x h S4S* 19% maximum moisture	Area of section A = bh, sq. in.		Moment of inertia, in. <sup>4</sup> $I = \frac{bh^3}{12}$		Section modulus, in. <sup>3</sup> $S = \frac{bh^2}{6}$		Board feet per linear foot of piece
		Rough	S4S	Rough	S4S	Rough	S4S	
4x1	3-1/2 x 3/4	3.17	2.62	0.20	0.12	0.46	0.33	1/3
6x1	5-1/2 x 3/4	4.92	4.12	0.31	0.19	0.72	0.52	1/2
8x1	7-1/4 x 3/4	6.45	5.44	0.41	0.25	0.94	0.68	2/3
10x1	9-1/4 x 3/4	8.20	6.94	0.52	0.32	1.20	0.87	5/8
12x1	11-1/4 x 3/4	9.95	8.44	0.63	0.39	1.45	1.05	1
4x2	3-1/2 x 1-1/2	5.89	5.25	1.30	0.98	1.60	1.31	2/3
6x2	5-1/2 x 1-1/2	9.14	8.25	2.01	1.55	2.48	2.06	1
8x2	7-1/4 x 1-1/2	11.98	10.87	2.64	2.04	3.25	2.72	1-1/2
10x2	9-1/4 x 1-1/2	15.23	13.87	3.35	2.60	4.13	3.47	1-2/3
12x2	11-1/4 x 1-1/2	18.48	16.87	4.07	3.16	5.01	4.21	2
2x4	1-1/2 x 3-1/2	5.89	5.25	6.45	5.36	3.56	3.06	2/3
2x6	1-1/2 x 5-1/2	9.14	8.25	24.10	20.80	8.57	7.56	1
2x8	1-1/2 x 7-1/4	11.98	10.87	54.32	47.63	14.73	13.14	1-1/3
2x10	1-1/2 x 9-1/4	15.23	13.87	111.58	98.93	23.80	21.39	1-2/3
2x12	1-1/2 x 11-1/4	18.48	16.87	199.31	177.97	35.04	31.64	2
3x4	2-1/2 x 3-1/2	9.25	8.75	10.42	8.93	5.75	5.10	1
3x6	2-1/2 x 5-1/2	14.77	13.75	38.93	34.66	13.84	12.60	1-1/2
3x8	2-1/2 x 7-1/4	19.36	18.12	87.74	79.39	23.80	21.90	2
3x10	2-1/2 x 9-1/4	24.61	23.12	180.24	164.89	38.45	35.65	2-1/2
3x12	2-1/2 x 11-1/4	29.86	28.12	321.96	296.63	56.61	52.73	3
4x4	3-1/2 x 3-1/2	13.14	12.25	14.39	12.50	7.94	7.15	1-1/3
4x6	3-1/2 x 5-1/2	20.39	19.25	53.76	48.53	19.12	17.65	2
4x8	3-1/2 x 7-1/4	26.73	25.38	121.17	111.15	32.86	30.66	2-2/3
4x10	3-1/2 x 9-1/4	33.98	32.38	248.91	230.84	53.10	49.91	3-1/3
6x3	5-1/2 x 2-1/2	14.77	13.75	8.48	7.16	6.46	5.73	1-1/2
6x4	5-1/2 x 3-1/2	20.39	19.25	22.33	19.65	12.32	11.23	2
6x6	5-1/5 x 5-1/2	31.64	30.25	83.43	76.26	29.66	27.73	3
6x8	5-1/2 x 7-1/2	42.89	41.25	207.81	193.36	54.51	51.56	4
8x8	7-1/2 x 7-1/2	58.14	56.25	281.69	263.67	73.89	70.31	5-1/3

\*Rough dry sizes are 1/8" larger, both dimensions.

Properties of American Standard Board, Plank Dimension and Timber Sizes Commonly used for Formwork Construction. Based on data supplied by the National Forest Products Association.

## A-2 Plastic Cone Snap Tie

Plastic cones can be added to A-3, A-4, A-44, A-46 or A-48 ties and act as positive form spreaders to aid in reducing concrete leakage. Plastic cones are available in 1", 1-1/4" and 1-1/2" nominal setbacks.



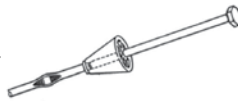
## A-3 Snap Tie Standard and Heavy

A-3 Snap Ties, Standard and Heavy, are equipped with 15/16" fl at washers and are manufactured for specified wall thicknesses. A-3 Snap Ties provide a 1" breakback from the concrete surface. Other breakbacks are available on special order.



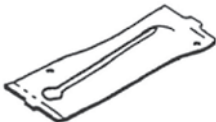
## A-4 Sure-Snap Hex Head Tie

A-4 Sure-Snap Hex Head Tie is produced with hot forged hexagon heads that permit easy breakback of short-end snap ties while the formwork is still in place.



## A-16 Omni Wedge

A-16 Heavy Steel Wedge is used with any standard or heavy Dayton Superior's Snap Tie to provide a quick and easy wedging action to securely hold the tie and formwork in place.



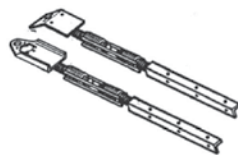
## A-21 Flat Tie

A-21 Flat Ties are available in several styles and breakbacks for use with various modular steel frame forming systems.



## A-27 Turnbuckle Form Aligner

A-27 Turnbuckle Form Aligner is designed to align and position all types of vertical forms. It is combined in the field with any size stud to allow easy adjustment for final form positioning and alignment.



## A-28 Adjustable Kicker

The Adjustable Kicker is the only steel brace that attaches to wood or steel forms and can be used on dirt, wood, or concrete surfaces. The quick adjustability allows for a faster, straighter wall line with zero waste. With three standard sizes — 8", 12", 16" — and custom sizes available, it can withstand up to a two foot pour. When the job is completed, it detaches and folds down for the next application. With an available bracket, the Adjustable Kicker quickly attaches to Steel-Ply® and curb forms.



## A-46 Loop Panel Tie, Standard and Heavy

A-46 Loop Panel Ties are designed for use with standard modular panel forming systems; available with various breakbacks, plastic cones and/or water resistant washer.



## A-48 Gang Loop Panel Tie, Standard & Heavy

A-48 Gang Loop Panel Ties are similar to the A-46 Ties, above, but have longer ends to allow them to be used with various modular systems' gang form bolts.



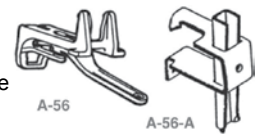
## A-55 Sure-Lock Tie

A-55 Sure-Lock Tie is a short-end loop tie fitted with high-impact, selfcentering plastic cones. The A-55 Sure-Lock Tie is used with the A-56 Sure-Lock Clamp or the A-56-A Speedy Bracket, shown below, for loose plywood forming.



## A-56 Sure-Lock Bracket and A-56-A Speedy Bracket

A-56 Sure-Lock Bracket and A-56-A Speedy Bracket are rugged units designed to accept the A-55 Sure-Lock Tie. They will accommodate a single 2x4, 3x4 or 4x4 waler; horizontally or vertically.



## A-57 Sure-Lock Strongback Clamp and A-57-A Stiffback Bracket

A-57 Sure-Lock Strongback Clamp and A-57-A Stiffback Bracket are used in conjunction with the Sure-Lock Bracket or the Speedy Bracket, respectively, to securely hold 2x4 strongbacks to the form. This provides added strength and alignment to the form.



## A-81 Jahn "A" Bracket

A-81 Jahn "A" Bracket is designed to be used with any standard Dayton Superior shortend snap tie. This durable bracket can be used with horizontal walers or vertical studs.



## A-82 Jahn "C" Bracket

A-82 Jahn "C" Bracket is used to attach vertical strongbacks to the formwork for added strength and alignment.



## A-90 Scaffold Bracket

A-90 Scaffold Bracket is used to support scaffolding on nearly any type of formwork. It can be flush mounted or adjusted to fit the various size vertical or horizontal walers or strongbacks. The Scaffold Bracket has a safe working load of approximately 1,000 pounds.

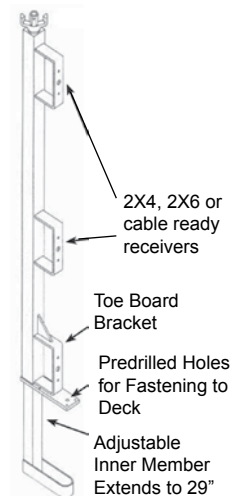


## A-93 Sure Guard Rail Post System

The Sure Guard Rail Post System opens wide and tightens quickly, allowing for application to practically any project. The post is easily installed utilizing a top adjusting wing nut which creates the ability to tighten from a standing position.

This post can adjust to any floor slab thickness between 4" - 29". A drop pin makes the Sure Guard Rail Post System simple and efficient to use. The 30 lb Sure Guard Rail Post System is also hot dipped galvanized for durability and designed to withstand the toughest jobsite conditions.

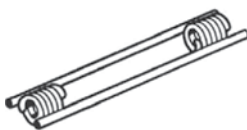
**WARNING:** Rail Post must be secured to deck with proper fasteners to ensure safety.





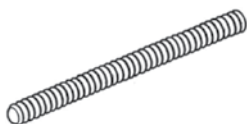
## B-1, B-2, B-3 Coil Tie

Coil Ties are strong, resistance welded ties designed for medium and heavy forming applications. Coil tie products are available in two or four struts, with screw-on plastic cones and water resistant versions. 1/2", 3/4", 1" and 1-1/4" diameters are available.



## B-12 Coil Rod

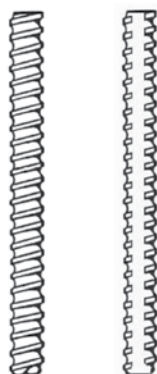
B-12 Coil Rod is continuous coil threaded rod available in 1/2" to 1-1/2" diameters in 1/4" increments. Available in special cut-to-length sizes or in standard 12' lengths, Coil Rod and threaded bar are used with other coil tie products in many different combinations and applications.



## B-12-A D/R Thread Bar and B-12-AD D/R Euro Thread Bar

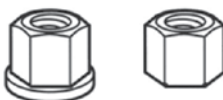
D/R Thread Bar is a high strength, 5/8" and 7/8" ductile steel with a full length, cold-rolled contour thread. The bar's 2-1/2 threads per inch offers fast installation and stripping. D/R Thread Bar is available in 20'-0" standard lengths and can be cut to specific project requirements.

The D/R Euro Thread Bar is a hot-rolled high strength steel with two flat sides in the thread pattern. The flat sides provide self-cleaning and allow a gripping surface for turning the bar. Euro Thread Bar is available in both 15mm (5/8") and 20mm (7/8") diameters and is standard in 19'-8" lengths. Euro Thread Bar is bendable.



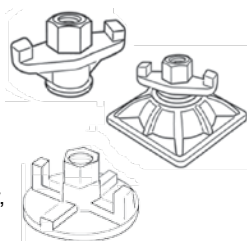
## B-12-ACN Cast Hex Nut and B-12-ASN D/R Steel Hex Nut

5/8" and 7/8" hex nuts, in cast and steel versions, are available with 2-1/2 threads per inch to be used in conjunction with the appropriate D/R Thread Bar.



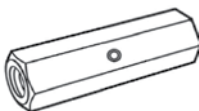
## B-12-AW D/R Wing Nut and B-12-ASW D/R Swivel Wing Nut B-12-AWN D/R Cast Nut Washer

5/8" and 7/8" Wing Nut is a high strength malleable steel nut with 2-1/2 threads per inch for use with the D/R Thread Bar. For added versatility, the Swivel Wing Nut features a heavy duty, ribbed washer base, reducing the number of loose working parts required.



## B-12-AC D/R Hex Coupler

5/8" and 7/8" Hex Couplers are available to couple two D/R Thread Bars. The Hex Coupler is supplied with 2-1/2 threads per inch and a positive stop.



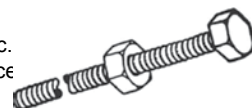
## B-14 Coil Bolt

B-14 Coil Bolts are hex head bolts threaded for the contour of the coil tie helical coil. Available in 1/2", 3/4", 1", 1-1/4" and 1-1/2" diameter and length as required in 1" increments.



## B-14-A Adjustable Coil Bolt

B-14-A Adjustable Coil Bolt is adaptable for special applications at corners, batter walls, etc. where one-size Adjustable Coil Bolt may replace several different lengths of the standard Coil Bolt.



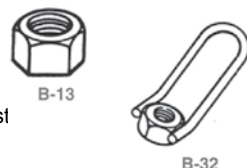
## B-11 Flat Washer

B-11 Flat Washers - flat steel plate available in sizes to fit all coil bolt, she-bolt and taper tie applications.



## B-13 Coil Nut and B-32 Handle Coil Nut

B-13 Coil Nut and B-32 Handle Coil Nut are available in 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4" and 1-1/2" diameters with coil thread. The Handle Coil Nut eliminates the need for a wrench and makes installation and stripping fast and simple.



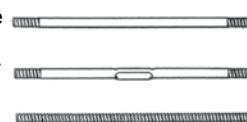
## D-2, D-30 She-Bolt

She-Bolts are high strength units suitable for heavy concrete construction. Manufactured with either Acme or Coil external threads, for use with gang and/or steel forms. She-Bolts are used in conjunction with inside tie rods (D-1, D-18).



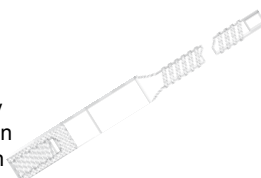
## D-1, D-18 Inside Tie Rod

D-1 and D-18 Inside Tie Rods for She-Bolts are manufactured in three styles; plain, with flats and continuous threaded. Positive stops and/or water-resistant models are available.



## D-30-A Thread Bar She-Bolt

DS Thread Bar She Bolts are heavy duty, reusable form ties for medium and heavy concrete construction. Two she bolts are used with a length of DS Thread Bar to tie formwork for any wall thickness. D-30-A She Bolts are available in 5/8" and 7/8" diameter. Other sizes available on request.



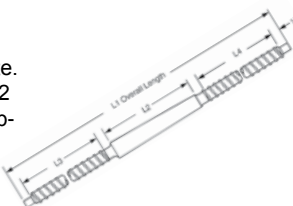
## D-9, D-19 Taper Tie

D-9 and D-19 Taper Ties are used where specifications permit complete removal of the form tie from the concrete. They are manufactured with either Acme or coil thread and with up to 90° of taper.



## D-9-A Thread Bar Taper Tie

DS Thread Bar Taper Ties (D-9-A) are used when specifications require or permit complete removal of the form tie from the concrete. The D-9-A features the DS Thread Bar's 2-1/2 threads per inch for rapid installation and stripping. Standard 5/8" and 7/8" diameter taper ties are available in 42", 50" and 58" overall length. 7/8" diameter taper also available in 66" overall length.



## D-40 He-Bolt

He-Bolts are used in conjunction with one of the many form anchorage units to provide an economical method of anchoring cantilever forms.





## B-39 Wing Nut

B-39 Wing Nuts are available in 1/2" through 1-1/2" diameters. Wing Nuts are normally supplied with coil threads. Acme thread is available on special order. Wing Nuts are typically used with she-bolts, he-bolts, taper ties and through bolting in heavy forming applications.



## B-42, D-22 Batter Washer

B-42 Batter Washers are designed to swing freely to any desired angle up to 45°. They are available in 1/2" through 1-5/8" diameters. Nail holes permit nailing to the waler and multiple grips on the underside help prevent slippage.



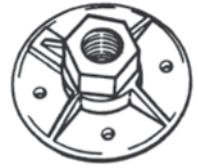
## D-34 Crimped Pigtail Insert

D-34 Crimped Pigtail Anchors are used for forming anchorage in mass concrete. Manufactured in 1/2" through 1" diameters with coil or NC machine thread.



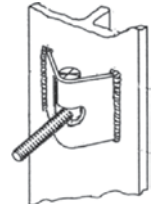
## B-27 and D-6 Nut Washer

B-27 and D-6 Nut Washers are one-piece ductile steel designs combining the washer and nut in a single unit. Nail Holes are provided to secure the washer to the formwork. B-27 Nut Washers are furnished with coil thread in 1/2" through 1" diameters for use with any coil thread device. The D-6 Nut Washer has 3/4" Acme thread and is used with the D-2 She-Bolt.



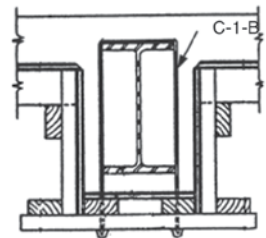
## D-24 Adjustable Weld Angle Bracket

D-24 Adjustable Weld Angle Bracket is designed to tie single-sided forming to steel piles, metal beams, etc. The brackets provide 110° of bolt adjustability and are available in 1/2", 5/8", 3/4", 7/8", 1" and 1-1/8" diameters.



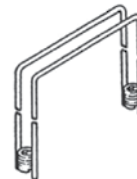
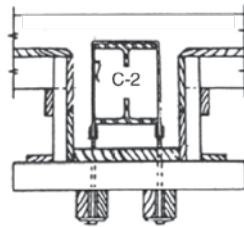
## C-1-B, C-1-C Wedge Hanger

Wedge Hangers are standard snap ties bent to fit over the flanges of a steel beam to support deck formwork. Standard breakback is 1", other breakbacks can be furnished on special order.



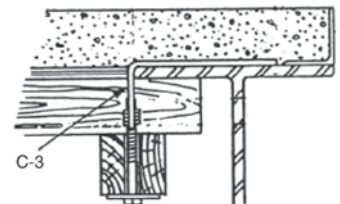
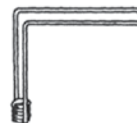
## C-2 Coil Hanger, Saddle Type

C-2 Coil Hanger is similar to the Wedge Hanger, above. It utilizes a two strut coil tie to support heavier forming loads.



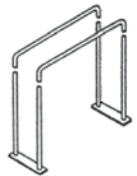
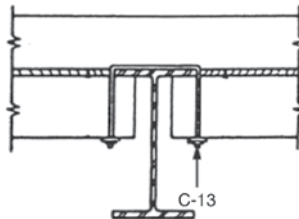
## C-3 Coil Half Hanger

C-3 Coil Half Hanger is designed to be welded to an exterior steel beam or bent around an exterior steel beam flange to support double ledgers.



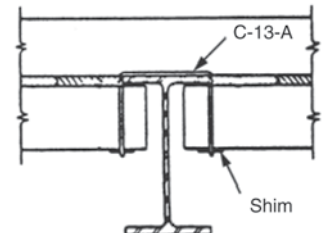
## C-13 Plate Saddle Hanger

C-13 Plate Saddle Hanger is placed over a beam to provide support for joists on both sides of the beam. Plate Saddle Hangers can be ordered with any drop and/or beam width to fit the application.



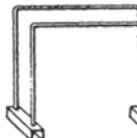
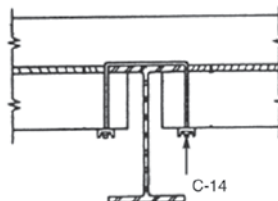
## C-13-A All-Wire Saddle Hanger

C-13-A All-Wire Saddle Hanger is similar in design and function to the C-13 above but without the plate.



## C-14 Channel Saddle Hanger

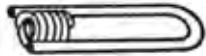
C-14 Channel Saddle Hanger is similar in design and use as the C-13 Hanger above but utilizes channels in place of the plates to reduce crushing of wood joists.



## B-16, B-17, B-18, B-33

### Coil Loop Insert

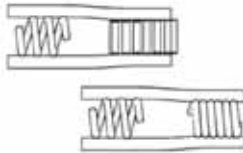
Dayton Superior's Coil Loop Inserts are made of a single looped wire welded to a helix coil. They are available in 1/2" to 1" diameters suitable for many concreting applications.



## F-56, F-57, F-58, F-59, F-60, F-61

### Expanded Coil Insert

Expanded Coil Inserts are coil or closed ferrule structural connection inserts available in two, four or six strut versions, in 1/2" through 1-1/2" diameters, with or without nailing washer.



## F-42 Loop Ferrule Insert

F-42 Loop Ferrule Insert is a versatile insert suited for structural connections and suspension of equipment, ceilings, piping, etc. Available in 1/4" to 1" diameter closed ferrules in 1/8" increments.



## F-44 Thin Slab Ferrule Insert

F-44 Thin Slab Ferrule Insert is used where the depth of embedment is limited. The F-44 is specially designed to develop good working loads in very thin concrete slabs. Available in 1/4" through 1" diameter, in 1/8" increments, closed ferrules.



## F-7, F-7-L, F-8 Shelf Angle Insert

Shelf Angle Insert is a malleable iron casting with a wedge shaped holding face that works in conjunction with a special Askew Head bolt. Available in standard and long configurations.



## F-54 Ductile Embed

F-54 Ductile Embed is a structural embed available in 5/8" through 1-1/4" diameters and is available in several configurations. This is an integrally forged embed with no welds. It is designed to develop pullout and shear loads exceeding A-325 bolt capacities.



## B-18, B-33, B-43

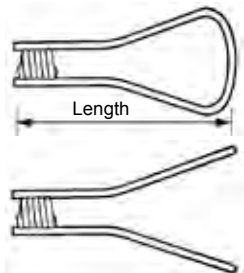
### Flared Coil Loop Insert

Flared Coil Loop Inserts are used with coil thread bolts to effectively anchor formwork. Available in several configurations with 3/4", 1", 1-1/4" and 1-1/2" diameter coil thread.



## B-17 Double Flared Coil Loop Inserts

B-17 Double Flared Coil Loop Insert is made with two looped wire struts welded to a helix coil. The B-17 insert is suitable for heavy form anchorage in mass concrete construction. Standard length is 12" for 1", 1-1/4" and 1-1/2" diameter units. Standard 6" nominal flares are supplied unless special size or shaped flares are requested.



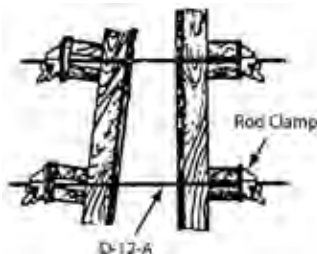
## D-12-A Pencil Rod

Wedge Hangers are standard snap ties bent to fit over the flanges of a steel beam to support deck formwork. Standard breakback is 1", other breakbacks can be furnished on special order.



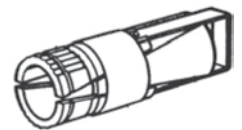
## D-12 Rod Clamp

C-2 Coil Hanger is similar to the Wedge Hanger, above. It utilizes a two strut coil tie to support heavier forming loads.



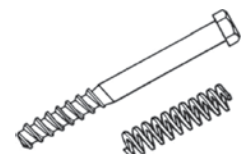
## B-31 Rock Anchor

Dayton Superior's B-31 Rock Anchor is designed for use in sound rock or concrete to secure one-sided forming. Available in 1/2", 3/4" and 1" nominal diameters with coil thread.



## F-1 Screw Anchor and F-2 Screw Anchor Bolt

F-1 Screw Anchor is a helical coil used in conjunction with the skein thread F-2 Screw Anchor Bolt. Available in 3/4" to 2" diameters, the screw anchor is very effective supporting cantilever forms and transferring the bolt load into the concrete.



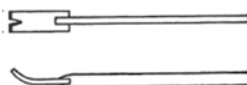
## D-45 Rebar Safety Cap

- Protects workers from protruding rebar
- Impalement protection
- One size fits #4 through #9 rebar
- Safety orange color
- Fully tested and approved (OSHA #C-1725-AC)
- Meets Cal OSHA max. drop test requirements
- Complies with Cal OSHA, Section 1712



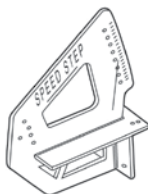
## A-95 Dayton Bar

C-3 Coil Half Hanger is designed to be welded to an exterior steel beam or bent around an exterior steel beam flange to support double ledgers.



## A-100 SpeedStep Bracket

C-13 Plate Saddle Hanger is placed over a beam to provide support for joists on both sides of the beam. Plate Saddle Hangers can be ordered with any drop and/or beam width to fit the application.



## D-48 Sure-Guard Rebar Protective Cap

D-48 Sure-Guard Rebar Protective Caps have been developed to protect workmen from the hazards of protruding rebar. Available in all rebar sizes, and packaged in bags of 50.

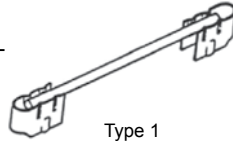


## Interior Hangers

Interior bridge deck hangers can be used on rolled structural steel beams, fabricated steel plate girders or precast/pre-stressed concrete girders.

### C-60 Pres-Steel Hanger, Type 1

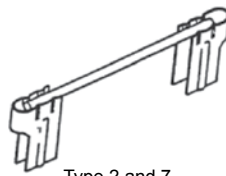
C-60 Pres-Steel Hanger, Type 1 permits installation and adjustment from above the deck. C-60 Pres-Steel Hanger, Type 1 has a nominal 3/8" setback and is used to support deck formwork on interior bridge beams.



Type 1

### C-60 Pres-Steel Hanger, Type 2 and Type 7

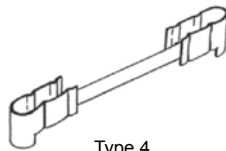
Dayton Superior's C-60 Pres-Steel Hangers, Type 2 and Type 7 are similar to Type 1 hanger, above, except Type 2 and Type 7 hangers provide for 1" to 2-3/4" haunch conditions, respectively.



Type 2 and 7

### C-60 Pres-Steel Hanger, Type 4

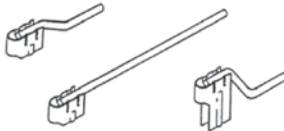
C-60 Pres-Steel Hangers, Type 4 are used on steel interior bridge beams to support deck formwork. The hanger's end sections extend over the edge of the beam to resist shifting.



Type 4

### C-24 Pres-Steel Half Hangers

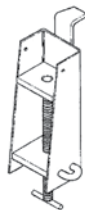
On occasion, there is a need for an interior half hanger that may be welded to the top flange of a steel beam, attached to the shear studs on a steel beam or the rebar shear connectors on concrete girders.



When any type of field welding is prohibited several types of clip-on hangers are available for use:

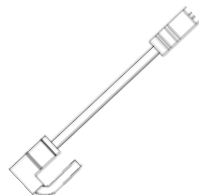
### C-65 Adjustable Joist Hanger

C-65 Adjustable Joist Hanger is available in two sizes that accept 2X and 4X joist material. The Adjustable Joist Hanger can be used on concrete beams, steel girders and box culverts. It is adjustable and completely reusable.



### Pres-Steel Hook Hanger, Type 1-B and Type 2-B

manufactured with a 1/2" 90° end section welded to the end of a wire strut. The other end of the wire strut is welded to a reinforced 180° "wrap-around" steel strap. The wrap-around end is designed to slip over the flange of a steel bridge beam. The type 2-B hanger is designed to accommodate up to 1" haunch height.



### C-68 Type 4B Ty-Down Half Hanger

This is an excellent hanger for applications requiring a heavy duty interior half hanger. Normally supplied hot dipped galvanized after fabrication as a portion of the hanger will normally not be encased in the concrete deck leaving the exposed portion to rapidly corrode if not protected with a heavy zinc coating.



## Exterior Hangers

Exterior hangers are especially designed to support bridge deck formwork loads, consisting of a live load, dead load, formwork load and usually on the exterior overhang a concrete conveyor and/or a finishing machine load.

### C-60 Pres-Steel Hanger, Type 1-A

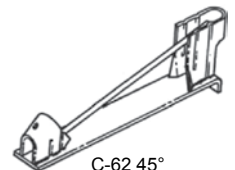
Dayton Superior's C-60 Pres-Steel Hanger, Type 1-A is designed with a 45° end section at one end and is used to support fascia overhang formwork.



Type 1-A

### C-62 45° Pres-Steel Hanger

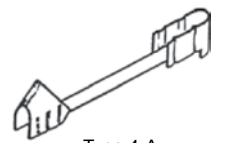
Dayton Superior's C-62 Pres-Steel Hanger is designed with a 45° end section at one end and is used to support fascia overhang formwork. Haunch heights up to 2-3/4" can be accommodated.



C-62 45°

### C-60 45° Pres-Steel Hanger, Type 4-A and Type 5-A

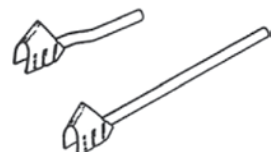
C-60 Pres-Steel Hangers, Type 4-A and Type 5-A are designed with a 45° end section at one end to support fascia overhang formwork. The 90° end section extends over the edge of the bridge beam for added support and resistance to shifting.



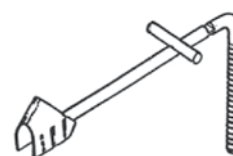
Type 4-A

## Exterior Half Hangers

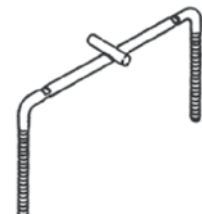
Occasionally, 45° half hangers may be required, especially for use in situations where prestressed concrete or steel stay-in-place forms are used to form the interior bays of a bridge deck.



### C-41 Coil Rod Hangers



C-41 45° Coil Rod Hanger, Type 1-A



C-41 Coil Rod Hanger

### C-25 Adjustable Half Hanger

Attaches to a bridge beam stirrup and is designed to support one-sided forming on applications where welding is not an option.



C-25



C-25 45° Type 1-A

### C-28 Haunch Carrier & C-29 Fillet Clip

Used to support haunch or filler strips.



Haunch Carrier



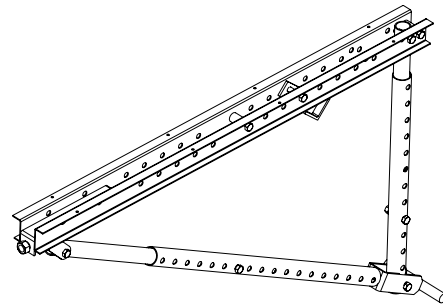
Fillet Clip

## C-49 Bridge Overhang Bracket

All Dayton Superior Bridge Overhang Brackets—including C-49 Bridge Overhang Brackets—are designed with maximum adjustability to meet the varied overhang forming requirements on either structural steel or precast/prestressed concrete beams.

C-49 accommodates an adjustment range of 30" to 70" and can be mounted to steel beams, precast concrete beams and concrete box beams with the appropriate hanger devices.

The C-49-JR Bridge Overhang Bracket is a smaller version of the C-49 for use on smaller bridge beams, with a vertical adjustment range of 16" to 28"

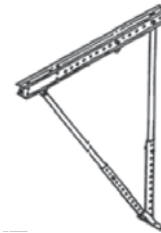


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## C-49-D Bridge Overhang Bracket For Deep Girders

Dayton Superior's C-49-D Bridge Overhang Bracket for deep girders supports bridge deck fascia formwork. It has been designed to mount to deep steel or concrete girders, using an appropriate hanging device.

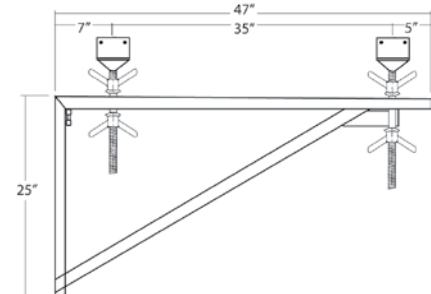
The C-49-D Bridge Overhang Bracket has all the features of the C-49 Bracket, but has longer vertical and diagonal legs.



## C-49-W Bridge Overhang Bracket

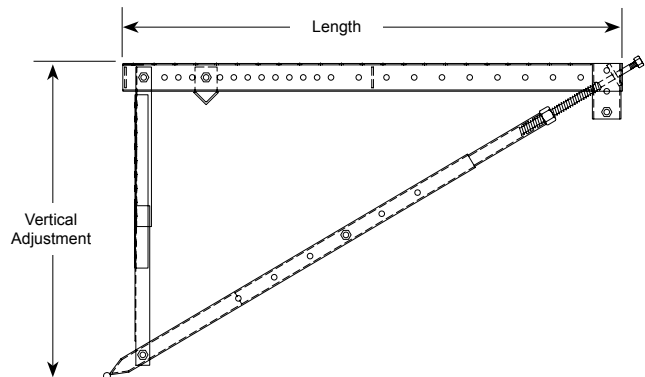
Dayton Superior's C-49-W Bracket aids in preventing web of beam from bending during construction of bridge deck. Constructed with all-steel support frame to improve stability and resist movement.

Meets ANSI Specification A 10.9, Sections 6.5.1, 6.6.1, 7.2.1 and ACI 347 Specification 2.4 Screw Jacks extend up to 6"



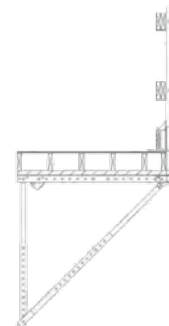
## C-89 Heavy Duty Bridge Overhang Bracket

C-89 and C-89-L Heavy Duty Bridge Overhang Brackets are designed for maximum adjustment and strength to meet the rigors of heavy cantilever/overhang applications. The C-89 bracket features 72" long, four inch horizontal channels and an overall vertical adjustment range of 27-5/8" to 66-3/4". The C-89-L bracket has 90" long, six inch horizontal channels and an overall vertical adjustment of 29-5/8" to 68-3/4". Both brackets come equipped with nail holes in the top of the horizontal channels for attaching 2x6 or 2x8 lumber (flat) and both brackets have built-in guardrail receptacles for 2x4 guardrail posts. The C-89 and C-89-L brackets can be used equally well on steel or precast concrete bridge girders with the appropriate 3/4" C-60 45° Pres-Steel Hanger (Type 9-A).



## C-52P Guard Rail Speed Bracket Assembly

The C-52P Guardrail Speed Bracket Assembly is designed for fast and easy attachment to the C-49 Bridge Overhang Bracket. The C-52P's Speed Bracket bolts securely to the C-49 Bridge Overhang Bracket and provides a base to simply install the Guardrail Post. The Guardrail Post has a nail down feature to prevent uplift. The C-52P is compatible with lumber or cable railings. The Guardrail Assembly weighs a convenient 15.6 lbs.





Dayton Superior manufactures a complete line of rebar and/or mesh supports. All Dayton Superior rebar supports are manufactured to the recommendations or specifications of the Concrete Reinforcing Steel Institute (CRSI) and comply with American Concrete Institute (ACI) ACI-50-66, ACI-315 and ACI-315R.

Dayton Superior rebar supports are shipped in convenient cartons, bundles or on skids and are clearly identified.

## Corrosion Protection

Bar supports are available as all plastic or from wire that is either bright basic, plastic dipped, epoxy coated, plastic tipped or stainless steel to meet the various corrosion protection specified by the state DOT's.



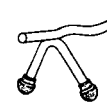
All Plastic



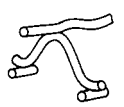
Plastic Dipped



Epoxy-Coated

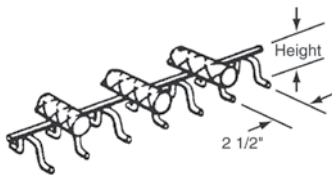


Plastic Tipped



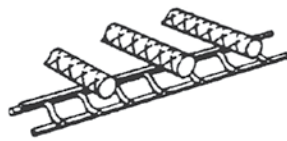
SS Tipped

## Wire Bar Supports



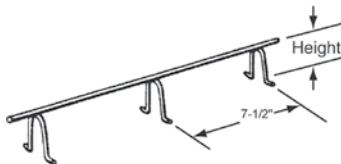
**SB-Slab Bolster**

Available in heights of 3/4" to 3" in increments of 1/4"



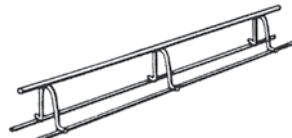
**SBU-Slab Bolster Upper**

Available in heights of 3/4" to 3" in increments of 1/4"



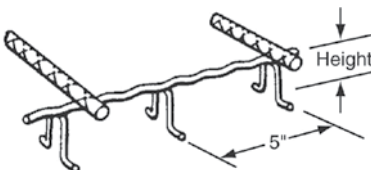
**BB-Beam Bolster**

Available in heights of 3/4" to 5" in increments of 1/4"



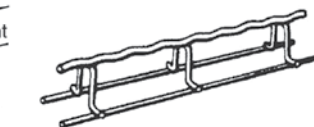
**BBU-Beam Bolster Upper**

Available in heights of 3/4" to 5" in increments of 1/4"



**CHC-Continuous High Chair**

Available in heights of 2" to 9-3/4" in increments of 1/4"



**CHCU-Cont. High Chair Upper**

Available in heights of 2" to 7" in increments of 1/4"

**NOTE:** Standard length for SB, BB, BBU, CHC and CHCU is 5'-0"



**BC-Bar Chair**

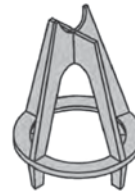
Available in heights of 3/4" to 2" in increments of 1/4"



**HC-Individual High Chair**

Available in heights of 2" to 12" in increments of 1/4"

## Plastic Bar Supports



**EZ Chair** (Patent #D334,133)

Available in heights of 3/4" to 6" in increments of 1/4"



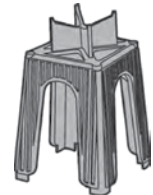
**Straddle Chair** (Patent pending)

Available in heights of 3" to 7-3/4" in increments of 1/4"



**Tower Chair™** (Patent #D428,501)

Available in heights of 3/4" to 10" in increments of 1/4"



**Bar Chair** (Patent #D428,501)

Available in heights of 3/4" to 10" in increments of 1/4"



**CHC-Continuous High Chair**

Available in heights of 2" to 9-3/4" in increments of 1/4"



**CHCU-Cont. High Chair Upper**

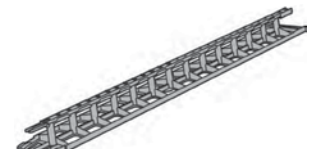
Available in heights of 2" to 7" in increments of 1/4"



**Strongback Slab / Beam Bolster™**

(Patent #D428,501)

Available in heights of 3/4" to 5" in increments of 1/4"



**Slab Bolster Upper**

(Patent #D6,948,291)

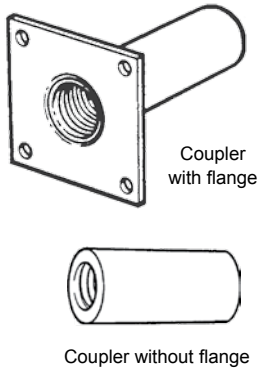
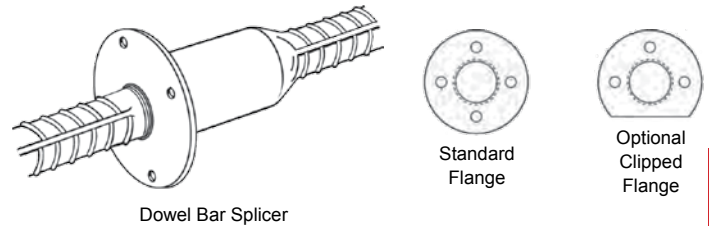
Available in heights from 1" to 3-1/4" in increments of 1/4"

**NOTE:** Plastic slab bolster can be used individually in 2'-6" lengths or locked together to create any length.

## Dowel Bar Splicing System

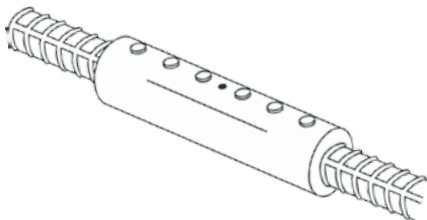
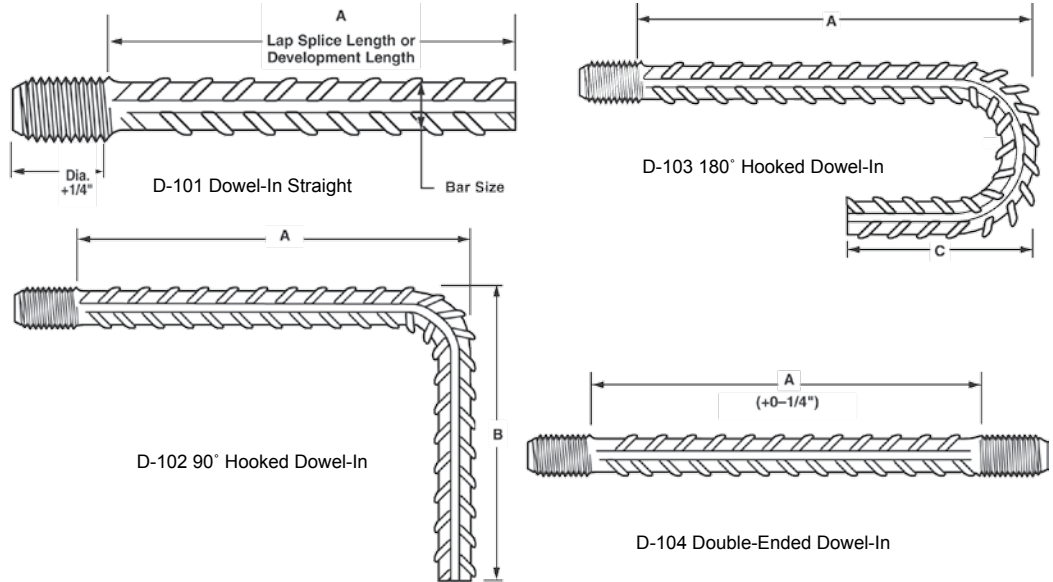
The Dowel-Bar Splicer System offers the contractor many advantages, including eliminating drilling of holes in the forms so rebars can pass through, eliminating any rebar protruding from the concrete and greatly reduces injuries from rebar protruding from the concrete.

DB-SAE Splicers and Dowel-Ins are one-piece forged units made from grade 60 rebar and are supplied with NC or UNC threads depending on size. Available in bar sizes #4 through #11 in straight, hooked, double-ended and bolt-headed configurations.



## Couplers

Available in sizes #4 through #18, the coupler is a convenient alternative to lap splicing or butt welding. Transition Coupler for joining different size rebar is also available.



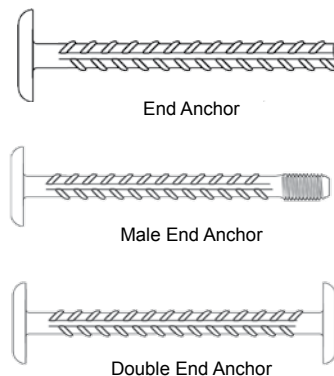
## Bar Lock™ Couplers

D-250 Bar Lock™ Couplers provide a simple, quick, cost effective method for splicing rebar in tension and/or compression. Bar Lock™ Couplers are available for use with smooth or deformed bars in sizes #4 through #18.

## End Anchorage System

Available in all rebar sizes and in various configurations.

- Eliminates rebar congestion and aids in concrete placement.
- Eliminates the need for hooked rebar.
- Reduces engineering design time.
- Provides ultimate capacities and simplifies load paths.
- Improves safety related issues on the job site by reducing protruding dowels.
- Conforms to ASTM A-970.

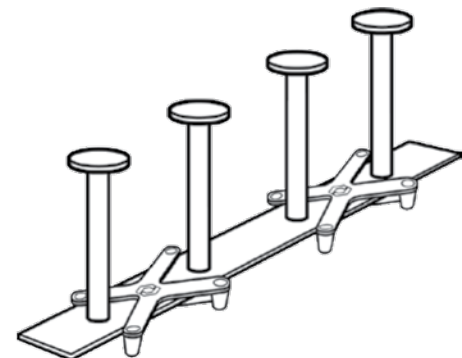


## Dayton Shear Resistance Rail

Dayton Shear Resistance DSR Products are a cost effective solution to punching shear at column/slab connections. DSR System rails reduce congestion around the column connections, while at the same time dramatically reducing labor costs.

### Specifications:

- Shear studs – Low carbon steel, C1015 in accordance with ASTM A108.
- Yield Strength – 51,000 psi minimum.
- Tensile Strength – 65,000 psi minimum.
- Elongation in 2" – 20%



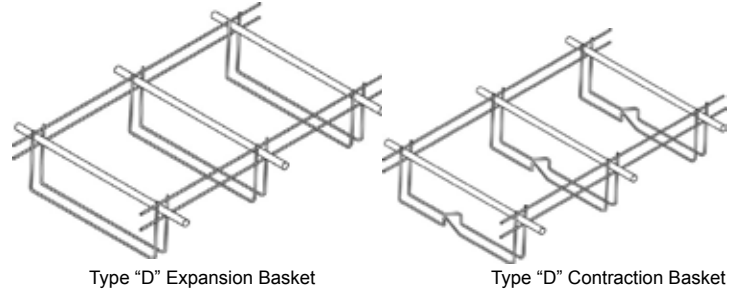
## Load Transfer Products

The dowel baskets and other load transfer devices developed by American Highway Technology and perfected with the manufacturing expertise of Dayton Superior make America's roads, airports, distribution centers and other heavy-use paving stronger. Our products can extend the usable life of pavement by decades.

### Wire Baskets (without Dowels)

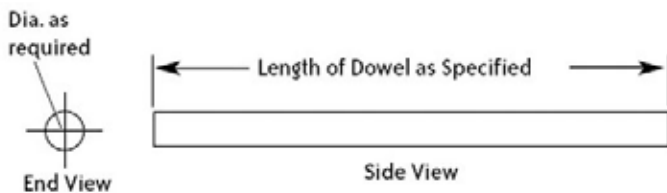
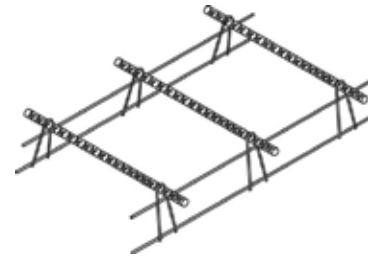
Dowel Baskets without dowels are available for contraction and expansion joints in slabs 4" to 9" thick. These are fabricated for 3/4", 1", or 1-1/4" diameter dowels as required. Type "D" Contraction Baskets and K-5 Type "D" Expansion Baskets are a standard 10" width.

**Note:** Dowel Bars, Dowel Caps, Basket Clips, and Basket Stakes are sold separately.



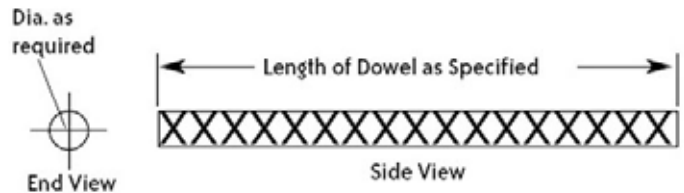
### Tie Bar Assembly

A basket supporting and positioning rebar dowels of various sizes as specified by the owner of the paving. It is commonly used for longitudinal joints in both DOT and commercial applications. Available in plain or epoxy coated.



### Dowel Bars

Available in many different diameters and lengths. Specify plain, painted or epoxy. Other options include: patched ends, tectyl bond-breaker, fully or 3/5 painted, square, or round.



### Tie Bars

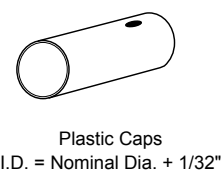
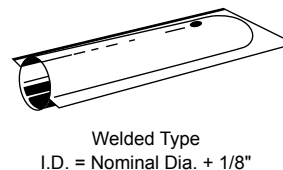
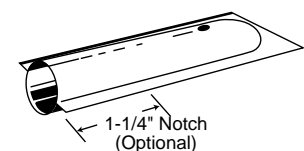
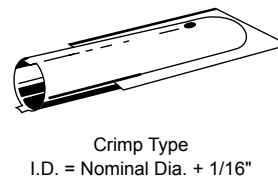
Tie bars are available in many different diameters and lengths. Straight or bent.

### Dowel Cap

Metal and plastic dowel caps are available to allow movement of dowels in expansion joints. Crimp type metal dowel caps are fabricated in 5/8"—1-1/4" diameters and 5" length.

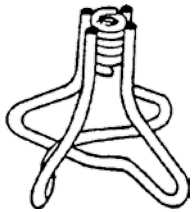
Welded type metal dowel caps are fabricated in 3/8"—2" diameters and 5" and 6" lengths. Flanges on the welded type caps must be notched back when installing caps on dowels in baskets.

Plastic dowel caps are fabricated in 1/2"—1-7/8" diameters and 4" length.

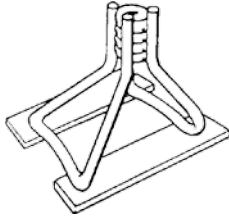


### Screed Chair Bases

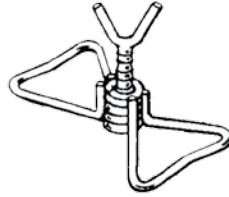
Dayton Superior has a variety of screed bases available to meet the requirements of flat slab work. Adjustable, free-fit, sub-grade, etc., are used with the cradle heads, below, to support the screed rails.



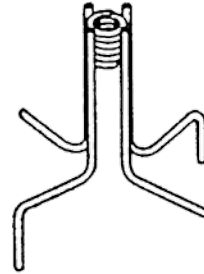
Standard Screed Base



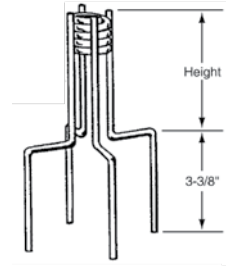
Screed Base  
with Sand Plate



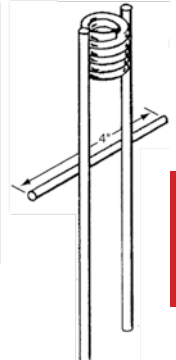
Screed Base  
for Steel Deck



Joist Type Adjustable  
Screed Bases



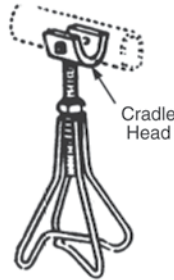
Screed Bases  
Drive Type



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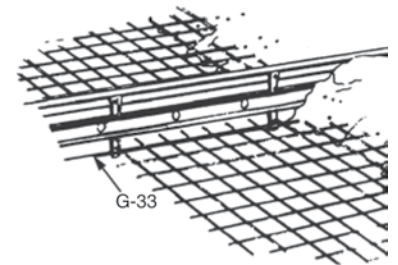
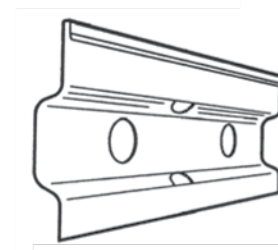
### Cradle Heads (Pipe Holders)

Cradle Heads are used in conjunction with the various screed bases to support the screed rails. Various styles and sizes are available to fit the job requirements.



### Screed Key Joint

G-33 Screed Key Joint is an economical replacement for bulkhead slab forms. Available in 10' lengths for 4", 5", 6", 8" and 10" thick slabs.



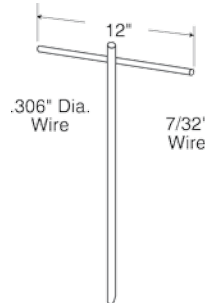
### Paving Stakes

Dayton Superior offers paving stakes in several configurations for all your jobsite needs:



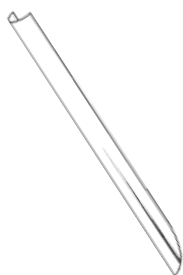
**Basket Stake**

Available in lengths of 6" to 21"  
For dowel baskets anchoring



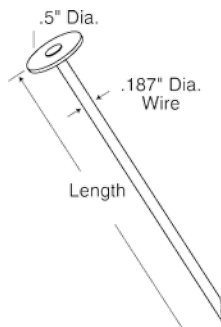
**Mat Stake**

Available in 9", 12",  
18", and 24" lengths.



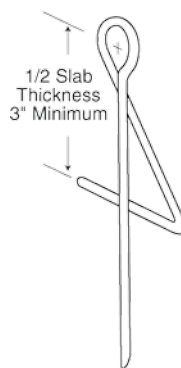
**Channel Stake**

Available in 15" to 24" lengths.  
Fabricated in 14 & 16 gauge.



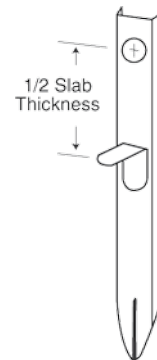
**Fabric Stake**

Available in 18" lengths.  
For anchoring geotextile fabrics.



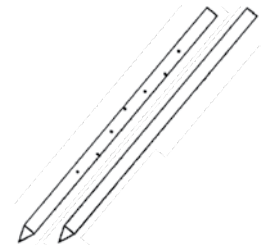
**FS Stake**

For holding dowel bars or tie bars  
in 6"—21" thick slabs.  
Fabricated in 5 gauge wire for  
1/2"—1-1/2" bar dia.



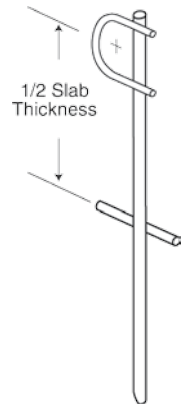
**MS Stake**

For holding dowel bars or tie bars  
in 6"—21" thick slabs.  
Fabricated in 16 & 18 gauge  
metal for 1/2", 5/8" & 3/4" bar dia.



### Round Stakes

G-27 Round Stakes are manufactured from high quality steel and feature a machined point and a spiral pattern of nailing holes. Available in 3/4", 7/8" and 1" diameters in 12", 18", 24", 30", 36", 42" and 48" lengths.



**PS Stake**

For holding dowel bars or tie bars in  
6"—18" thick slabs.  
Fabricated in #1/0 gauge wire for 1/2",  
5/8", 1", 1-1/4" & 1-1/2" bar dia.



## Curb Smart Forming System

G-60 Curb Smart Forming System is easily adaptable to many different concrete forming applications. It is well suited for forming sidewalks, driveways, curb and gutters, pavement, footings and industrial slabs. Curb Smart features durable steel construction, precision welded for maximum service life. These components are precision-welded to provide a system that lasts far longer than conventional lumber edge forms.

### G-60 Curb Smart Straight Form

Curb Smart straight forms are available in 10' lengths with heights ranging from 4" to 24". Each form section has reinforced stake pockets which allows the form to be securely positioned with 3/4" or 7/8" steel stakes. The rounded nose end of the form nests into the box end of the next section for accurate alignment and continuity. G-60 straight forms are most often used as edge forms for slabs or for various curb and gutter configurations.

The bottom edge of the form can rest on sub-grade or the form may be positioned at the proper elevation utilizing the steel stakes. Straight forms can be stacked for thicker slab applications.

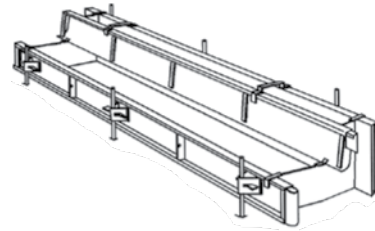
Curb dimensions will determine the shape of the Division Plates (or Skeleton Plates) which are positioned over the straight forms. The final concrete finish is done after removal of the plates, but before final set.

### Form G-61 Curb Smart Flexible

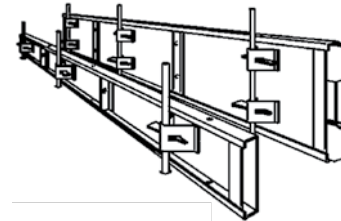
Curb Smart Flexible Form is available in 10' lengths with heights ranging from 4" to 24". Each form has seven reinforced stake pockets to secure and position the form during concrete placement. The flexible form's end connections are accomplished with a simple keybolt and wedge or nut and bolt.

### 2 in 1 Forms

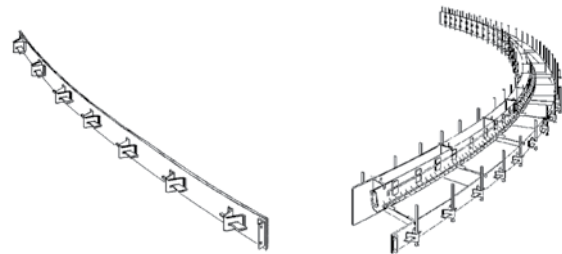
This permits the placement of two slab thicknesses with one reversible form.



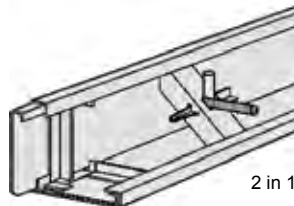
Curb and Gutter Configuration



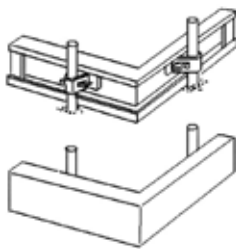
Straight Forms



Flexible Forms



2 in 1 Forms



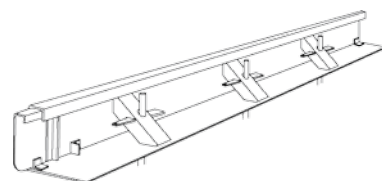
Corner Curb Forms



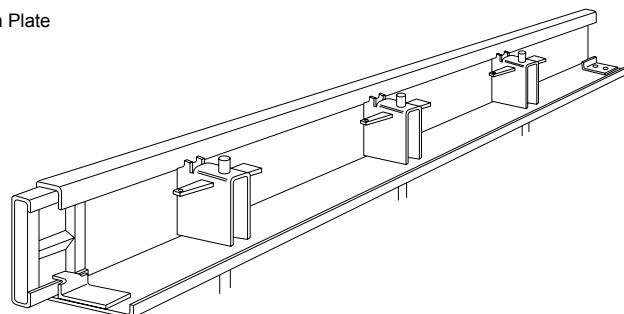
Division Plate



Skeleton Plate



Heavy Forms



### Paving Form Options:

- Double Wedge Stake Pockets
- Reinforcing Gussets
- Dowel Bar Support Assemblies
- Keyway Attachments
- Turned Up Bottom Flange

## Professional Formliners for the Construction Industry.

When forming walls, using a quality formliner can add long lasting beauty and strength to a wall for generations to come at an affordable price. American Formliners' high level of service and quality meet the high expectations required for tilt-up, precast or cast-in-place applications.



**Over 100 quality patterns & textures to choose from!**

We have an extensive array of standard molds, which include trapezoid, stone, wood, fractured, and brick/block patterns. Choose from over one hundred standard formliner patterns currently being used by State Departments of Transportation, airports, architectural/engineering firms and designers across the United States and Canada. In addition to these patterns, we also accept custom projects and have the capabilities to provide endless design possibilities with outstanding results. Most of our formliner patterns can be produced in single use plastic (HIPS), multi-use plastic (ABS), and extended use urethane (PE) material.



### Design and Specifications

**Finished Texture** - Detailed finishes are successfully accomplished with a flexible, high grade formliner material.

**Design Depth** - High relief designs can be reproduced successfully and cost-effectively.

**Design Shape** - Geometric designs can use reproduced using HIPS, ABS, PE or PPE liners. Undercut designs will be successfully replicated using a highly flexible liner material such as urethane.

**Design Specifications** - formliners are often specifically designed to meet your particular job requirements.

### Budget Specifications

**Project Budget** -We will work to fit your budget and time lines!

**Labor Budget** - Our consultants can help avoid unnecessary job site labor costs such as trimming, material backing or sacking/patching.

### Attachment to Formwork

Formliners can be used in precast, tilt-up or cast-in-place applications. Single-use HIP is most frequently used for tilt-up applications and can be installed using Tek drywall screws or pneumatic staplers, spacing should be approximately 6" to 12" on center around the perimeter and 18" to 24" through the center. Double sided tape, "Formica Top" adhesive, heavy duct tape or silicone caulk are all the common ways to attach formliners. Make sure all surfaces are clean, dry and free of dust and debris. Formliner PE & PPE liners for precast use are attached from the back with 3/8" bolts when optional T-nuts are installed.

## Add Visual Impact to the Architectural Concrete

### Quality and Selection

Wide selection of formliners. We offer over a hundred standard patterns. If looking for a specific pattern, our craftsman can design and manufacture to your specifications. Our formliners are easy to install and strip.



### Flexibility

Our liners can be detailed for most pre-cast, tilt-up or cast-in-place concrete jobs. We offer five different material compositions, from single use high impact polystyrene plastic to our 100+ reuse premium polyurethane elastomeric liners.

### Cost Effectiveness

Let our experienced staff work for you! We rely on our extensive knowledge and skills to create the best form liner for you and your project.

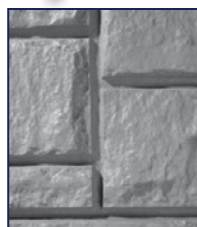
## Make an *Impression* in Your Concrete!



Brick\Block



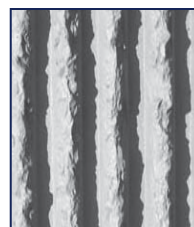
Trapezoid



Stone



Wood



Fractured



DOT/Special

### THERMOFORM

HIPS High Impact PolyStyrene

ABS Acrylonitrile Butadiene Styrene

ABSH Acrylonitrile Butadiene Styrene Heavy

### ECONOMIC FORMLINERS

HIPS Formliners can be used to provide a textured concrete surface in a limited application at an affordable price. Single use only.

ABS Formliners exhibit excellent impact resistance and contain an ultraviolet shielding compound, which reduces the damaging effects of sunlight. Medium re-use formliner.

ABSH Formliners exhibit excellent impact resistance and contain an ultraviolet shielding compound, which reduces the damaging effects of sunlight. Heavy re-use formliner.

### ELASTOMERIC

PE Polyurethane Elastomeric

PPE Premium Polyurethane Elastomeric

### PREMIUM MULTI-USE FORMLINERS

These are rigid elastomeric liners, which are ideal for tilt-up or cast-in-place applications.

PE Formliners combine great resilience and high tensile strength. Heavy re-use formliner.

PPE Formliners provide superior toughness and wear resistance so the reproduction of even the most difficult undercut and complex designs are consistent, even after many re-uses.



## Decorative Concrete Column Solution

The CFT Column Cast™ System – A revolutionary process to form decorative columns with never-before-achieved labor and material saving. Winner of the 2009 Most Innovative Product / Experts Choice award from the World of Concrete.

The CFT System Features:

- ✓ Reusable
- ✓ Highly Efficient
- ✓ Minimal Storage
- ✓ Easy to Clean Up
- ✓ Full Liquid Head Rating
- ✓ No Power Tools Needed
- ✓ No Hassle Setup and Strip
- ✓ Fully Recyclable Material
- ✓ Custom Design Available



**New patent pending latch system!**



## ClimatePRO™ easy-POUR™ Construction Forms

Features include:

- ✓ ClimatePRO™ technology improves weather resistance
- ✓ Light-weight, economical, easy to store, handle and erect.
- ✓ Versatile - Can be sawed, bored or notched
- ✓ Full Range of Diameters to 60" (5')
- ✓ Standard or custom lengths
- ✓ Recyclable

The innovative leader in service and supply, Caraustar Construction Products are the First Choice for sustainable form solutions.



**REINFORCING STEEL**

ASTM STANDARD REINFORCING BARS							
Bar Size Designation		Weight		Nominal Dimensions - Round Selections			
				Diameter		Cross-Section Area	
Imperial	Metric	lb/ft	kg/m	in.	mm	in. <sup>2</sup>	mm <sup>2</sup>
#3	#10	.376	.560	.375	9.5	.11	71
#4	#13	.668	.994	.500	12.7	.20	129
#5	#16	1.043	1.552	.625	15.9	.31	199
#6	#19	1.502	2.235	.750	19.1	.44	284
#7	#22	2.044	3.042	.875	22.2	.60	387
#8	#25	2.670	3.973	1.000	25.4	.79	510
#9	#29	3.400	5.060	1.128	28.7	1.00	645
#10	#32	4.303	6.404	1.270	32.3	1.27	819
#11	#36	5.313	7.907	1.410	35.8	1.56	1006
#14	#43	7.650	11.380	1.693	43.0	2.25	1452
#18	#57	13.600	20.240	2.257	57.3	4.00	2581

COMMON STOCK STYLES OF WELDED WIRE FABRIC			
Style Designation		Steel Area in. <sup>2</sup> / ft	Weight Approx. lb / 100 ft <sup>2</sup>
New Designation (By W-number)	Old Designation (By Steel Wire Gauge)		
ROLLS			
6 x 6 – W1.4 x W1.4	6 x 6 – 10 x 10	.03	21
6 x 6 – W2.1 x W2.1	6 x 6 – 8 x 8	.04	30
6 x 6 – W2.9 x W2.9	6 x 6 – 6 x 6	.06	42
6 x 6 – W4.0 x W4.0	6 x 6 – 4 x 4	.08	58
4 x 4 – W1.4 x W1.4	4 x 4 – 10 x 10	.04	31
4 x 4 – W2.1 x W2.1	4 x 4 – 8 x 8	.06	44
4 x 4 – W2.9 x W2.9	4 x 4 – 6 x 6	.09	62
4 x 4 – W4.0 x W4.0	4 x 4 – 4 x 4	.12	85
SHEETS			
6 x 6 – W2.9 x W2.9	6 x 6 – 6 x 6	.06	42
6 x 6 – W4.0 x W4.0	6 x 6 – 4 x 4	.08	58
6 x 6 – W5.4 x W5.4	6 x 6 – 2 x 2	.11	80
4 x 4 – W4.0 x W4.0	4 x 4 – 4 x 4	.12	86

***The only complete detectable warning and way finding solutions for the visually impaired.***



Only Armor-Tile provides a complete range of tactile systems designed for the safety and convenience of the visually impaired, in full compliance with the Americans with Disabilities Act (ADA) and the State of California Building Code Title 24. We offer detectable warning products for:

- Curb Ramps
- Vehicular Areas
- Parking Structures
- Stairways
- Pedestrian Crossings
- Escalator Approaches
- Transit Platforms
- Multi-Modal Transit Stations

Please visit [www.Armor-Tile.com](http://www.Armor-Tile.com) for information on ADA regulations, detailed product specifications, detail drawings, installation instructions, videos and more.....

**ASTM & UL TESTING DATA**

ASTM	TEST DESCRIPTION	TEST RESULT
D570-98	Water Absorption	Less than 0.08%
C1028-96	Slip Resistance	Greater than 0.80
D695-02a	Compressive Strength	Greater than 28,000 psi
D638-02a	Tensile Strength	Greater than 28,000 psi
D790-03	Flexural Strength	Greater than 25,000 psi
D543-95	Chemical Stain	No discoloration or staining
D2486-00	Abrasive Wear	6000 cycles/Less than 0.060
C501-84	Wear Resistance	Greater than 500
G155-05a	Accelerated Weathering	300 hours/No fading or chalking
B117-03	Salt Spray	200 hours/No deterioration
D1037-99	Freeze/Thaw	No cracking, delamination, or other defects

Available In The Following Sizes And Colors:

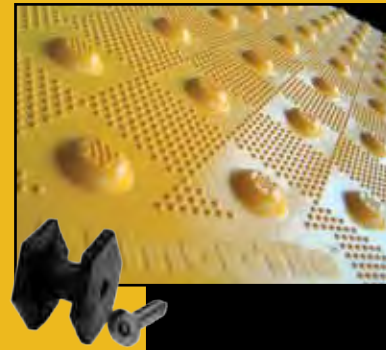
**12"x12" • 24"x24" • 24"x36" • 24"x48" • 24"x60" • 36"x48" • 36"x60"**



## Replaceable Cast in Place System

The NEW Replaceable Cast in Place system features the ability to easily replace the tile surface without the removal and replacement of concrete. The tamper-proof stainless steel fastener maintains a flush tile surface and the corrosion resistant hexagonal anchor integrates with the concrete for optimal anchoring power.

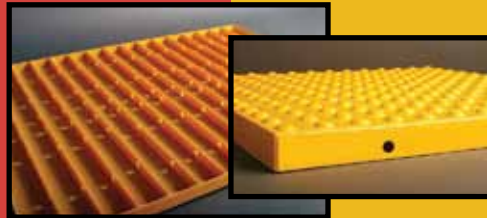
- Easy Removal for Maintenance
- ADA / Title 24 Compliant
- Installation Flexibility
- Enhanced Anti-Slip Surface
- Supports Heavy Vehicle Loads



## Cast in Place System

The traditional Cast in Place detectable warning tile is an ideal solution for tactile needs and boasts the lowest installation cost available. The integral embedment flanges are the complete anchoring system and the tile is easily cut for angle or radius applications.

- Certified to meet ADA and State requirements
- Integral embedment flanges are the complete anchoring system
- Sustains dynamic vehicle loading, AASHTO HS20-44 wheel load test



## Surface Applied System

A cost effective solution for retrofit applications or new construction, the Surface Applied tile is supplied as a complete system including the Tile, Adhesive, Fasteners and Sealant. The beveled perimeter edge ensures a smooth transition from the substrate to the detectable warning surface and meets ADA requirements. In addition, the Surface Applied tile is easily cut to conform to angle or radius ramps.

- Beveled edges for smooth transition meeting ADA requirements
- Light weight and easy to handle
- Advanced warning strip - 3" x 48", used to create a color contrast around perimeter



## Modular Paver System

The Armor-Tile™ Modular Paver is the solution of choice to integrate with landscape pavers, the high strength modular paver can be dry laid on compacted fill or set in a grout bed or drypac. It is also easily cut for angle or radius ramps.

- High strength modular paver can be dry laid on compacted fill or set in a grout bed or drypac
- Sustains dynamic vehicle loading, AASHTO HS20-44 wheel load test
- Easily cut to conform to angled and radius ramps
- Available in 12"x12" or 24"x24".



### POLYCAST® 600 Series Drain System

The POLYCAST® 600 Series Presloped System is an extremely versatile, 4.25" internal width drain system. Designed to have flow rates equal to or greater than, most larger poured-in-place trench drains. With the proper components, flow rates of 470 GPM per outlet are attainable. The precast trench sections and grates are made up of 2' and 4' lengths. Certain 4' channels and all half channels have 4" bottom cut-outs for pipe connections. POLYCAST® 600 Series is available in either polyester or Vinyl Ester polymer concrete. The polyester polymer concrete is used for most drainage applications. Vinyl Ester polymer concrete is used for high corrosive and high temperature applications. Available with cast iron frames to stand up even the most harsh environments.

#### Ideal For:

- Shopping malls
- Commercial areas
- Parking lots & garages
- Airports
- Heavy duty industrial areas
- Military bases

#### The Benefits Of Polycast

- Strong
- Lightweight
- Easy to Install
- Built-in Slope
- Smooth Interior
- Cost Effective
- Corrosion Resistant
- Not Water Absorbent



#### Application Load Class A

Pedestrian, bicycles, golf carts. Designed for a distributed load of 2 psi (300 pounds per square foot). ADA compliant for accessible routes. Meets ASTM C-857.

- Galvanized Steel Perforated
- Stainless Steel Perforated
- Galvanized Steel Solid
- Stainless Steel Solid



#### Application Load Class B

Automobiles, light pickup trucks, general aviation aircraft, low speeds (parking areas, driveways). Designed for a distributed load of 62 psi (9,000 pounds per square foot).

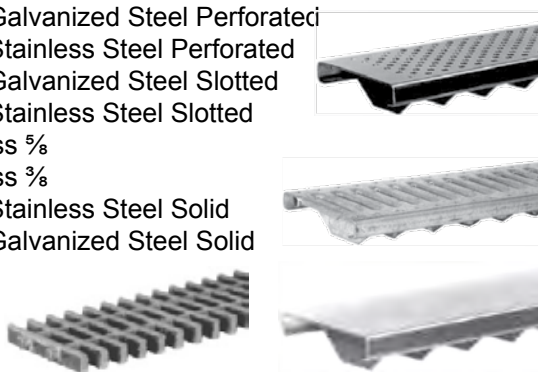
- Stainless Steel Slotted
- Galvanized Steel Slotted
- DURAGUARD® Slotted
- DURAGUARD® Longitudinal Slotted



#### Application Load Class C

Pneumatic tire vehicles and highway vehicles, low to moderate speeds, (parking areas, driveways). Designed for a distributed pressure of 260 psi (37,440 pounds per square foot).

- Double Galvanized Steel Perforated
- Double Stainless Steel Perforated
- Double Galvanized Steel Slotted
- Double Stainless Steel Slotted
- Fiberglass ⅝
- Fiberglass ¾
- Double Stainless Steel Solid
- Double Galvanized Steel Solid



#### Application Load Class D

Highway vehicles, commercial aircraft (exceeds FAA Airport Pavement Design Loads per AC 150/5320-6D), low speeds, low frequency (parking areas, driveways, warehouses). Designed for 450 psi (64,800 pounds per square foot) distributed load.

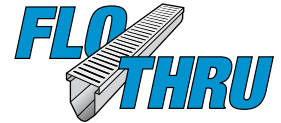
- Ductile Iron Longitudinal Slotted
- Gray Iron Slotted
- Gray Iron Solid





## FLO-THRU® TRENCH DRAIN PRODUCTS

- ✓ **Durable and Lightweight** – Strong corrosionresistant material
- ✓ **Radiused Bottom** – Better flow rate, less solids build-up
- ✓ **Extra Long Runs** – Sidewall extensions allow pre-slope runs longer than 120'
- ✓ **Variety of Gratings**



Z882



Z884



Z886



Z812

### PERMA-TRENCH HDPE TRENCH

FEATURES AND BENEFITS (Z882, Z884, Z886)

- **Z882 Eight-Foot Modular Sections with 24\"**
- **Z886 80\"**
- **Z882 1.04%, Z886 .75% Built-In Slopes** – Handles greater flows, uniform slope
- **Smooth High Density Polyethylene Structural Composite Interior** – 0% water absorption

### FLO-THRU® FIBERGLASS TRENCH

FEATURES AND BENEFITS (Z806, Z812)

- **Ten-Foot Modular Sections**
- **Z806 .75%, Z812 1.04% Built-In Slopes** – Handles greater flows, uniform slope
- **Tie Strap Every 20\"**
- **Versatility of Outlet Locations** – Easier to install, flexible outlet location.

### LLDPE HIGH CAP SLOT DRAIN CHANNEL SYSTEM

FEATURES AND BENEFITS (Z888-12, Z888-18, Z888-36)

- **80\"**
- **“V” Shaped Bottom** – Better flow rate, less solids build-up.
- **Smooth Polyethylene Interior** – 0% water absorption and superior chemical resistance
- **Chemical Resistance** – Strong corrosion-resistant material
- **Positive Mechanical Joint Connection** – Keeps trench system straight, rigid and liquid tight
- **Tie Down Leveling Device Every 20\"** – Positive anchoring to place and set installation to the desired elevation
- **Load Distribution** – Rebar stances ensure that installation becomes a solid structure in concrete and able to withstand high traffic loads
- **Integral Protective “Zip Strip”** – Keeps body clean of debris and materials during installation
- **Extra-Heavy-Duty Frame** – Optional extra heavy-duty top frame or heavy-duty ductile iron frame complete with anchor studs for additional protection when needed



Z888-12



Z888-18



Z888-36

### SANI-FLO STAINLESS STEEL TRENCH

FEATURES AND BENEFITS (Z890, Z891, Z895)

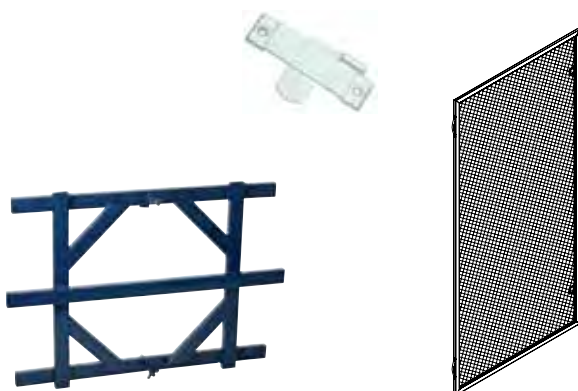
- **60\"**
- **1.04% Built-in Slope**
- **Smooth Seamless Construction**
- **Custom Fabrications**



Z890

### Complete Residential Window System!

- ✓ Window Frames
- ✓ Glass Inserts (Single & Double Insulated, Low E, Argon Filled)
- ✓ Straight Back Window Wells
- ✓ Metal Grates and Escape Ladders
- ✓ Plastic Covers for Metal Grates
- ✓ Accessories



**NEW & IMPROVED !**  
Locking system available only from SureBuilt Manufacturing

1

#### Window Frames (Bucks)

- ❑ Available in 18 gauge steel with G-90 galvanized coating with white finish
- ❑ Pour in place units
- ❑ Sizes from 30"x 21" to 60"x 40" for 8", 9", 10" and 12" full & nominal walls



#### Glass Inserts

- ❑ Ideal for all residential building purposes
- ❑ Available in Single & Double Insulated, Low E Glass, and Argon Filled Glass
- ❑ Meets egress codes (refer to your local building codes)
- ❑ Available in 30" x 21" to 60" x 40" sizes
- ❑ Plastic trim kit helps to reduce airflow and drafts



### Window Wells

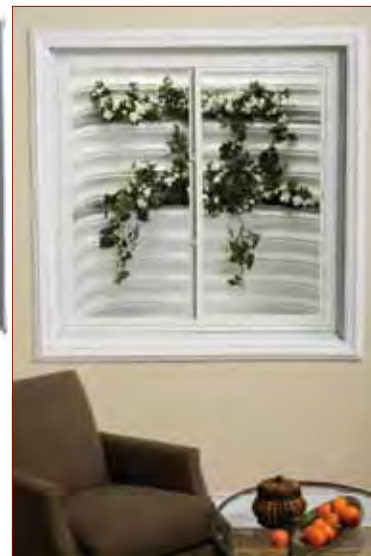
- ❑ 18 gauge steel with G-90 galvanized coating with white finish
- ❑ ¾ roll top with plastic cap strip on top of well
- ❑ 24" or greater projection meets most egress code requirements. Consult local codes before ordering.
- ❑ Buck mount designed to anchor to the bolts provide in the window frames
- ❑ Wall mount designed to anchor to the concrete wall
- ❑ 36" or greater projection meets 2006 IRC 310.2 code requirements

#### Sizes:

- Available in widths from 40" to 80"
- Projections from 20" to 48"
- Heights available from 12" to 84"



Tier III Step Well



### Exclusive Modular Window Well System

#### Tier II & Tier III Step Wells

- ❑ Enjoy 1/3 more light with TIER II and TIER III Step-wells
- ❑ Width up to 80"
- ❑ Projections up to 48"
- ❑ Height up to 96"
- ❑ Material: Painted 18 Gauge Steel with G-90 Coating for Maximum Corrosion Protection
- ❑ ¾ roll top with plastic cap strip on top of well
- ❑ 6" and 12" Step width
- ❑ Buck and wall mount available for Tier II & Tier III

### Window Well Grates and Ladders

- ❑ Grates are designed to keep people and pets out of window well
- ❑ Grate holds the weight of standard foot traffic
- ❑ Easily lift out grates for exit requirements
- ❑ Ladders made from hi-grade steel
- ❑ Ladders available in 4', 5' and 6' length (3, 4 and 5 rung)









### Window Well Plastic Covers

- ❑ Made with GE Lexan material
- ❑ Shatter Proof - Virtually Indestructible
- ❑ Prevents injury to children
- ❑ Eliminates constant cleaning
- ❑ Keeps out rain and snow
- ❑ Life-time guarantee against breakage
- ❑ Support up to 500 lb of weight
- ❑ UV protected cover translucent & allows maximum light penetration



## THE RIGHT LINE OF CONCRETE SPECIALTY PRODUCTS

### EXPANSION JOINT MATERIALS

Material	Conforms to Specification	Standard Thickness	Slab Widths	Standard Lengths	Description
 <b>Right-Flex</b>	<ul style="list-style-type: none"> <li>AASHTO M 213</li> <li>ASTM D 1751</li> <li>AASHTO M 153</li> <li>FAA Specification Item P-501-2-4</li> <li>Corps of Engineers CRD-C 509, Type I</li> <li>Federal Specification HH-F-341 F, Type I</li> </ul>	1/4", 3/8", 1/2" 3/4", 1"	36"	2" to 36" in 1/2" increments	Composed of 100% recyclable materials – a proprietary blend of discarded car tires and reclaimed rubber granules. This very workable material has a recovery rate of 95% or more of the original thickness and a density approximating 30 pounds/cu. ft.
 <b>Fibre</b>	<ul style="list-style-type: none"> <li>ASTM D 1751</li> <li>FAA Specification Item P-610-2.7</li> <li>Various State D.O.T. Approvals</li> <li>AASHTO M 213</li> <li>Corps Of Engineers CRD-C 508</li> </ul>	1/4", 3/8", 1/2" 3/4", 1"	36" & 48"	5' & 10'	A composite blend of cellulose long strand fibers in an asphaltic binder securely bonded together and formed into a semi-rigid board.
 <b>All Purpose Roll Foam</b>	<ul style="list-style-type: none"> <li>ASTM D 3575</li> <li>ASTM D 1622</li> <li>IL D.O.T. 1051.08</li> </ul>	1/4", 3/8", 1/2"	48" & 60"	50', 75', 100', 125', 150'	Is a lightweight, polyethylene, closed cell expansion joint filler for use with all cold applied sealants.
 <b>Standard Cork</b>	<ul style="list-style-type: none"> <li>ASTM D 1752, Type II</li> <li>AASHTO M 153, Type II</li> <li>FAA Specification Item P-610-2.7</li> <li>Corps of Engineers CRD-C 509, Type II</li> <li>Federal Specification HH-F-341 F, Type II, Class B</li> <li>NAVY BY&amp;D: 4 YF item 1-05, YF item 2-14, 46YA item 2-04(2)</li> <li>ANSI A37.114, Type II</li> </ul>	1/4", 3/8", 1/2" 3/4", 1"	36"	5' & 10'	Is composed of clean, granulated cork, bonded together securely with a phenolic resin. It is highly resilient, will compress without extrusion and has a recovery rate of 95% or more of the original thickness.
 <b>Sponge Rubber</b>	<ul style="list-style-type: none"> <li>ASTM D-1752, Type I</li> <li>AASHTO M-153, Type I</li> <li>FAA P-610-2.7</li> <li>Corps of Engineers CRD-C 509, Type I</li> <li>FED SPEC HH-F-341 F, Type II, Class A</li> </ul>	1/4", 3/8", 1/2" 3/4", 1"	36"	4.5'	Is composed of economical re-bonded sponge rubber particles manufactured to a consistent density and size. It has a recovery rate of 95% or more of the original thickness and a density exceeding 30 pounds/cu. ft.
 <b>Neoprene</b>	<ul style="list-style-type: none"> <li>ASTM D-1056-91 Type II D-E1</li> <li>SCE 41/2A1/RE41</li> <li>SAE Specifications 18-R</li> <li>MIL-R 6103C Type and grade 2A Soft</li> </ul>	-	-	-	Black / Dark Gray Polymer - Neoprene/SBR

### CHEMICAL LIQUIDS

Material	Conforms to Specification	Packaging	Description
<b>Clear Water Resin</b> Concrete Curing Compound	<ul style="list-style-type: none"> <li>ASTM-C 309, Type I, Class B</li> <li>AASHTO M148, Type I, Class B</li> </ul>	5 gallon pails 55 gallon drums 275 gallon tote	A membrane forming treatment utilizing a dissipating hydrocarbon resin base combined in a treated clear water solution. This environmentally friendly V.O.C. compliant compound is designed to provide maximum curing to freshly-laid exterior concrete paving applications. Provided in a ready-to-use formula
<b>Linseed Oil 50/50</b> <b>Anti-Spall</b>	<ul style="list-style-type: none"> <li>AASHTO M-233</li> <li>ASTM D-260 Boiled linseed oil</li> <li>Fed spec A-A-371</li> <li>ASTM D-235 Mineral Spirits</li> <li>IL D.O.T. section 1023.01 (TT-L-190D)</li> </ul>	5 gallon pails 55 gallon drums	A 50% mineral spirits, 50% boiled linseed oil that functions as a fast drying, penetrating concrete sealer. Designed to prevent the spalling and scaling of concrete, especially those structures that are exposed to the destructive effects of de-icing salts, freeze-thaw cycles, and ponding surface water. It's a "must use" for optimum first winter season protection.
<b>Right Bond</b> Liquid Bonding Admixture	<ul style="list-style-type: none"> <li>ASTM C 1059, Type I</li> </ul>	1 Gallon / 6 Pack 5 Gallon Pails 55 Gallon Drums	A high solids liquid bonding admixture which significantly improves adhesion, tensile, compressive and flexural strengths of cement based materials.
<b>Right Weld</b> Re-Emulsifiable Bonding Agent For Concrete	<ul style="list-style-type: none"> <li>ASTM C1059, Type I</li> </ul>	5 Gallon Pails 55 Gallon Drums	A water based polyvinyl acetate bonding agent designed for bonding concrete, plaster or stucco to existing surfaces. When fresh cement based materials are applied to a RIGHT WELD treated surface, the RIGHT WELD rewets and develops a mechanical and chemical bond between the two surfaces.

**EXPANSION JOINT MATERIALS, WATERPROOFING MATERIALS, CHEMICAL LIQUIDS, CEMENTITIOUS PATCHING, RESTORATION, WATERPROOFING, JOINT SEALANTS**





## Ironworker's Work Pliers – High-Leverage

- Twists and cuts soft annealed rebar tie wire.
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs.
- Hook bend handle.
- Spring-loaded action for self-opening.
- Heavy-duty knurled jaws.



Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
213-9ST	Square	9-1/4" (235 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plain	n/a	1.02
D213-9ST	Square	9-3/8" (238 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	dark blue	1.10
<b>2000 Series* – Heavy-duty cutting knives</b>									
D2000-9ST	Square	9-3/8" (238 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	royal blue	1.10

\*Cuts ACSR, screws, nails, and most hardened wire. Features combination polished and black-oxide finish.

## Ironworker's Work Pliers

- Twists and cuts soft annealed rebar tie wire.
- Hook bend handle.
- Spring-loaded action for self-opening.
- Heavy-duty knurled jaws.



Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
201-7CST	Square	9-1/8" (232 mm)	1-9/32" (33 mm)	1-5/32" (29 mm)	1/2" (13 mm)	5/8" (16 mm)	plain	n/a	0.67
D201-7CST	Square	9-1/4" (232 mm)	1-9/32" (33 mm)	1-5/32" (29 mm)	1/2" (13 mm)	5/8" (16 mm)	plastic-dipped	dark blue	0.63
<b>2000 Series* – Heavy-duty cutting knives</b>									
D2000-7CST	Square	9-1/4" (235 mm)	1-9/32" (33 mm)	1-5/32" (29 mm)	1/2" (13 mm)	5/8" (16 mm)	plastic-dipped	royal blue	0.63

\*Cuts ACSR, screws, nails, and most hardened wire. Features combination polished and black-oxide finish.

## Side-Cutting Pliers

- Sure-gripping, cross-hatched knurled jaws.



Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
<b>Streamlined Design</b>									
D201-7NE	New England	7-7/16" (189 mm)	1-9/32" (33 mm)	1-1/16" (27 mm)	1/2" (13 mm)	5/8" (16 mm)	plastic-dipped	dark blue	0.55
D201-8NE	New England	8-11/16" (221 mm)	1-7/16" (37 mm)	1-3/16" (30 mm)	5/8" (16 mm)	23/32" (18 mm)	plastic-dipped	dark blue	0.92
D201-9NE	New England	9-3/8" (238 mm)	1-19/32" (41 mm)	1-5/16" (33 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	dark blue	1.09



## Rebar Hickey

- Lightweight rebar hickey has exceptionally durable steel-alloy head and extra-strong handle to withstand punishing service conditions.



Cat. No.	Bends Rebar Size	Handle Length	Head Type and Bending Angle	Hickey Size	Weight (lbs.)
64308	#3 (.375" dia.), #4 (.500" dia.)	24" (610)	single 65°	1	2.50

## Grizzly® Bar

- A heavy, strong, multi-purpose tool that saves time and effort on the job.
- The 3" (76 mm) width protects concrete when stripping forms.
- Efficient blade angle and 55-1/2" (141 cm) total length provide high leverage as a crow bar and nail and spike puller.
- Blade is forged and hardened alloy with keyhole nail-pulling slot in center and V-notch in tapered edge.
- Very efficient nail-pulling tool even in awkward positions.
- Can also be used to help align walls during tilt-up construction, to roll and align large pipe, to remove shingles and flooring, and for many other stripping and prying tasks.



Cat. No.	Overall Length	Weight (lbs.)
64306	55-1/2" (1410)	12.00

## Broad Head Bull Pins

- Forged, heat-treated bull pin increases efficiency by providing a larger striking surface.
- Head design also reduces chance of pin slipping from the hand when aligning holes.
- Angled head and smooth blending of radii increase strength and reduce the danger of chipping.
- Below the head, squared-off shoulders have been forged to provide a surface for applying wrench to loosen wedged bull pins.
- Long, even taper reduces binding and hang-up.
- Added resistance to "mushrooming" permitting much longer use than is possible with conventional designs.
- Heat-treated for strength.
- Black finish for rust resistance.



Cat. No.	Top Diameter	Point Diameter	Length	Weight (lbs.)
3255	1-1/4" (32 mm)	5/16" (8 mm)	13-3/4" (349 mm)	2.90
3256	1-1/16" (27 mm)	1/4" (6 mm)	10" (254 mm)	1.60

*Note: OSHA 1926.301 (c) specifically states: "Impact tools, such as drift pins, wedges, and chisels, shall be kept free of mushroomed heads."*

## Barrel-Type Drift Pin

- Machined from quality alloy steel.
- Tapers are uniform and blend into body diameter.
- Tough, forged steel will properly end-pein in use.
- Heat-treated for strength.
- Black finish for rust resistance.



Cat. No.	Max Diameter	Point Diameter	Overall Length	Weight (lbs.)
3262	15/16" (24 mm)	1/2" (13 mm)	8" (203 mm)	1.10



## Adjustable-Head Construction Wrench

- Versatile wrench fits all nuts and bolts to 1-1/2" (38 mm).
- Eliminates the need for carrying several fixed-size wrenches.
- Forged from select alloy steel with continuous-taper handle for aligning bolt and/or rivet holes.
- Industrial black finish for corrosion resistance.



Cat. No.	Length	Maximum Size Capacity	Weight (lbs.)
3239	16" (406 mm)	1-1/2" (38 mm)	2.30

## 1/2"-Drive Ratcheting Construction Wrench

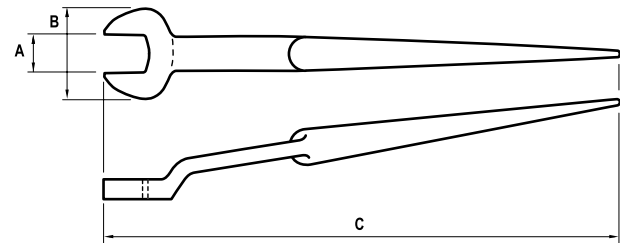
- Accepts 1/2" square-drive hex socket.
- Reversible ratchet.
- Eliminates the need for carrying several fixed-size wrenches.
- Forged from select alloy steel with continuous-taper handle for aligning bolt holes.
- Industrial black finish for corrosion resistance.



Cat. No.	Overall Length	Weight (lbs.)
3238	15" (381 mm)	2.10

## Erection Wrenches

- Forged from select alloy steel to withstand high-leverage and heavy loads.
- Extra-heavy-duty head area gives maximum strength and durability.
- Continuous taper of handle makes lining-up bolt holes easy and works on a range of bolt and/or hole sizes without binding.
- Extra-large hub area works on larger diameter holes than other wrenches.
- Catalog number, bolt size and nominal opening size are stamped on every wrench for easy identification.
- American Bridge design.



A - Bolt Size/Nominal Opening  
B - Head Width  
C - Overall Length

Cat. No.	Nut Type	Bolt Size	Nom. Opening	Head Width	Taper Diameter	Overall Length	Weight (lbs.)
3212	U.S. heavy	3/4"	1-1/4"	2-1/2"	1" to 1/4"	16-5/8"	1.98
3213	U.S. heavy	7/8"	1-7/16"	3"	1-1/8" to 9/32"	17-3/8"	2.72
3214	U.S. heavy	1"	1-5/8"	3-5/8"	1-1/8" to 1/4"	18"	3.36
3219	U.S. regular	1/2"	3/4"	2-1/4"	7/8" to 8/16"	14-3/4"	1.36
3220	U.S. regular	1/2"	13/16"	2-1/4"	7/8" to 3/16"	14-3/4"	1.35
3221	U.S. regular	5/8"	1"	2-1/4"	7/8" to 3/16"	14-3/4"	1.31
3222	U.S. regular	3/4"	1-1/8"	2-1/2"	1" to 1/4"	16-5/8"	2.00
3223	U.S. regular	7/8"	1-5/16"	3"	1-1/8" to 9/32"	17-3/8"	2.87

## Hex Bars & Round Bars

- Provides extra leverage when positioning steel members and aligning bolt holes.
- Forged fit-up bar is pointed on one end.
- Chisel-end is at a 15° angle to give greater leverage.



Cat. No.	Diameter	Length	Weight (lbs.)
<b>Hex Bars</b>			
3242	3/4" (19 mm)	30" (762 mm)	3.50
3243	7/8" (22 mm)	36" (914 mm)	6.00
<b>Round Bars</b>			
3245	3/4" (19 mm)	30" (762 mm)	3.30
3248	7/8" (22 mm)	30" (762 mm)	4.30

## Walking Edger

- Quality tempered steel with riveted on, cast magnesium adjustable handle bracket
- Threaded upper bracket is supplied using 1-3/4" float handle thread size
- Edger sizes 10" and 12" wide have stiffeners welded across ends to assure flatness
- Available in sizes: 12"x12", 10"x10", 9"x7", 9"x5", 8"x8" and with 1/4", 3/8", 1/2", 3/4" Radius



## Walking Groover

- Quality stainless steel groovers are available in several sizes and are extremely durable, with cast magnesium adjustable handle bracket riveted in place
- 10" and 12" wide groovers have stiffeners welded across ends to assure flatness
- Available in sizes: 12"x12", 10"x10", 9"x7", 9"x5", 8"x8" and with 1/4", 3/8", 1/2", 3/4" Radius



## Hand Edger

- Manufactured of hard, polished stainless steel
- Blade leaves a slick, even edge finish with minimum effort
- Hardwood handle fits tightly to handle bracket with plated screw nails
- Available in several sizes: 6"x2", 6"x3", 6"x4", 7"x3", 7"x4", 8"x3", 8"x5", 9"x3", 9"x5" and with 1/8", 1/4", 3/8", 1/2" radius



## Hand Groover

- Gives a slick, even finish
- Heavy gauge stainless steel construction assures long service life
- Hardwood handle is fitted tightly to handle bracket with plated screw nails
- Available in sizes: 6"x4", 6"x6", 8"x5", 8"x8", 9"x5", 10"x10" and with 1/8", 1/4", 3/8", 1/2" radius



## Round End Fresno Trowel

- Made of the finest quality stainless steel
- Extruded magnesium mounting fastens to blade with stainless steel rivets
- Full radius on both ends reduces trowel marks in concrete from square tools
- Available in sizes: 36"x7", 36"x5", 30"x7", 30"x5"



## Outside Step Tool

- 7" in length
- Inside step tool has tapered end for easy access to corners
- Available in sizes: 7"x 4-1/2" with 1/2" and 3/8" radius



## Inside Step Tool

- 7" in length
- Inside step tool has tapered end for easy access to corners
- Available in sizes: 7"x 4-1/2" with 1/2" and 3/8" radius



## 2 1/2" x 30" Magnesium Darby

- Cast magnesium construction allows for accuracy and long service.
- This tool line includes the same high-quality materials and workmanship found in our hand floats.
- Lightweight precise balance make this darby easy to use.



## 16" x 3 1/4" Cast Magnesium Hand Float

- High quality material and workmanship make this hand float one of the most popular finishers' hand tools available in the metal float line.
- Cast magnesium construction combines light weight with superb durability for the exact shape and balance demanded in the cement masonry field.
- Its value is proven many times over on every job.



## Cast Magnesium Float

- This is the original "Haivala" heavy duty cast magnesium float, still offering maximum durability and service to the cement industry.
- Our cast float construction gives you, the contractor, the best results possible from the first day on the job.
- This tool is manufactured to and ideal float surface and proper set to easily process your slab to the desired condition for final finishing procedures.
- Available in sizes: 53"x6-3/4", 48"x8", 42"x8", 42"x6"





## Magnesium Bull Float

- Lightweight, long wearing magnesium floats
- Multi-ribbed top for extra strength
- Complete with (4) hole bracket assembly
- Sizes range from 36"x8" up to 72"x8"

## EZY-TILT® II

### Double Action Float Bracket

- Rugged lightweight aluminum
- Pitch of float blade is controlled by turning handle...eliminates bending & lifting
- Fits all (2) or (4) hole metal bull floats
- Quick, easy coupling for 1-3/4" or 1-3/8" button handles



## Extension Handles

- Lightweight, extra strong magnesium or aluminum handle
- Molded thread plugs join handles together
- Available in sizes from 4' to 12'
- Fits all Kraft bull floats
- 1-3/4" Dia aluminum button handles use with all Kraft Bronco(tm), tilt brackets and EZY-TILT® brackets
- 6' Handle length (swaged)
- Choice of 6', 8', 10' or 12' handle (with insert)



## Fresno Trowels

- All-Angle Steels Fresnos
- Available in Round or Square End
- Choice of Carbon or Blue Steel
- Fitted with 360 degree all angle bracket
- Sizes from 24"x5" up to 48"x5"



## Magnesium Hand Floats

- Made of very hard and durable magnesium
- Ends are beveled and blade is broken in with rounded corners.
- Choice of wide magnesium float, fine line magnesium float, thin line magnesium float
- Blade widths of 3-1/8", 3-1/4" & 3-1/2" with lengths of 12", 14" and 16"



## Beveled Redwood Floats

- Made of select redwood
- Float face is beveled to make it possible to work in the tightest quarters
- Blade width is 3-1/2" with lengths of 15" & 18"
- Floats also available in teakwood, bodark wood and laminated canvas-resin.



## Concrete Spreaders

Designed for spreading and grading of concrete

- Choice of aluminum or steel blades
- Fitted with 54" wood jam, 60" shovel type wood or 60" snap button aluminum handle
- Braces available for extra strength
- Blade width of 19-1/2", 20", 24" or 30"



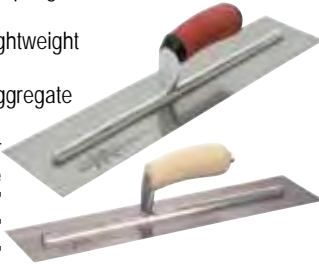
## Cast Aluminum Blade Support Asphalt Lutes

- Dual Purpose head enables the spreading and grading of asphalt
- Lute heads are available in 24", 30", 36" or 42" width
- Use with 7' or 9' magnesium handle



## High Carbon Steel Xtralite® Finishing Trowels

- Highest grade hardened and tempered spring steel blade, properly shaped
- Aluminum alloy Xtralite® mounting is lightweight but very strong
- Beveled work edges prevent surface aggregate popping
- Choice of resilient DuraSoft® handle or Smooth natural finish hardwood handle
- Size: 12" x 4" 16" x 4" 18" x 4"  
14" x 4" 16" x 5" 20" x 4"  
14" x 5" 16" x 4 3/4" 20" x 5"



## Blue Steel Xtralite® Finishing Trowels

- Made from the highest grade blue spring steel, properly shaped and tempered
- Aluminum alloy Xtralite® mounting is lightweight but very strong
- Choice of resilient DuraSoft® handle or Smooth natural finish hardwood handle
- Size: 16" x 4", 16" x 5"



## Rounded End Xtralite® Finishing Trowels

- Highest grade hardened and tempered spring steel blade, properly shaped
- Aluminum alloy Xtralite® mounting is lightweight but very strong
- Choice of resilient DuraSoft® handle or Smooth natural finish hardwood handle
- Size: 16" x 4", 18" x 4", 20" x 4", 20" x 5", 24" x 5"



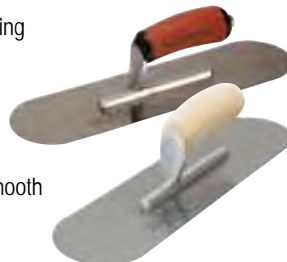
## Fully Rounded Xtralite® Finishing Trowels

- Highest grade hardened and tempered spring steel blade, properly shaped
- Aluminum alloy Xtralite® mounting is lightweight but very strong
- Resilient DuraSoft® handle provides a soft feel, reduces fatigue, and offers excellent durability
- Size: 14" x 4", 16" x 4", 20" x 4"



## High Carbon Steel Xtralite® Pool Trowels

- Highest grade hardened and tempered spring steel blade, properly shaped
- Aluminum alloy Xtralite® mounting is lightweight but very strong
- Blade is flexible enough to bend to almost any radius
- Choice of resilient DuraSoft® handle or Smooth natural finish hardwood handle
- Size: 14" x 4"



## Big "I" Edger

- Heavy gauge 301 premium stainless steel blade
- Resilient DuraSoft® handle provides a soft feel, reduces fatigue, and offers excellent durability
- Size: 10" x 6" 3/8" Radius with 1/2" Lip,  
1/2" Radius with 5/8" Lip,  
5/8" Radius with 7/8" Lip,



## Molded Rubber Float

- Molded black rubber pad is very comfortable and has a dense texture
- Float face is permanently cemented to the lightweight aluminum backing
- The ideal float for bringing sand to the surface
- Used by concrete finishers & plasterers
- Size 9" x 4"



## Rubber Floats

- 5/8" thick red rubber bonded to aluminum backing plate for long wear
- Used by plasterers & other finishers for rough or/and textured finishes
- Size 9" x 4"



## Wood Hand Floats

- Made from clear 3/4" thick seasoned redwood
- Primarily used for leveling an smoothing concrete prior to final finish
- Also ideal when a slightly rougher concrete is desired
- Wood Handle
- Size 16" x 3-1/2"



## Xtra-Hard Wood Hand Floats

- Made from imported Jarrah hardwood, which is harder than teak
- Outlasts many ordinary wood floats and won't "fuzz up"
- Wood Handle
- Size: 16" x 3-1/2", 18" x 3-1/2"



## Mahogany Darby

- Made from imported Jarrah hardwood, which is harder than teak
- Outlasts many ordinary wood floats and won't "fuzz up"
- Wood Handle
- Size: 28", 36"



## Magnesium Floats, Beveled Ends

- Extruded from very hard, durable, lightweight magnesium
- Our most popular float design
- Comfortable wood or DuraSoft® handle
- Handles are secured with torque pad screws that will not back out
- Recommended for use with air entrained concrete
- Magnesium floats produce a smoother finish than wood
- Size: 12" x 3-1/8", 16" x 3-1/8", 20" x 3-1/8"



## Chicago Groover

- Heavy gauge stainless steel construction with welded capped ends
- DuraSoft® handle provides a soft feel, reduces fatigue, and offers excellent durability
- 10" X 10" Groover - 1/2" Radius - 3/4" Deep



2

## Fresno Trowels

- Has a superior quality high carbon steel blade
- Mounting block has center hole for swivel type bracket and end holes for two-hole brackets
- Adjustable Threaded Bracket or Swivel Bracket included
- Size: 24" x 5", 30" x 5"



## Magnesium Bull Floats

- Made from the finest extruded magnesium available
- Lightweight, long wearing and properly balanced to provide the finish you want
- No other heavy duty bull float outlasts this one
- Square end or round end
- Replacement blades available
- Sizes: 45" x 8", 48" x 8", 60" x 8"



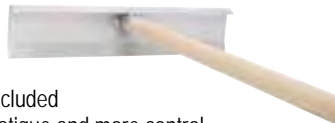
## Magnesium Channel Bull Floats

- Made from the finest extruded magnesium available
- Stiffer and more resistant to warping than standard bull floats
- Perfect tool to use when high "F" numbers are required
- Size: 60" x 6"



## 20" Push-N-Pull Placer

- Ideal for pushing and pulling concrete into place
- Sturdy, oversized 60" wood handle included
- Lightweight aluminum head for less fatigue and more control



## QLT All Aluminum Placer without Hook

- Aluminum construction, powder coated
- Braced for additional strength
- 60" Long
- Soft grip end-cap
- 19 1/2" X 4" Blade



## Power Trowel Blades

- Used in conjunction with power trowels for finishing large areas of concrete or concrete that is too stiff to handle otherwise.
- Available in three blade types: finish, combination or float.
- Some available in two mounting styles: bar or channel mount.



## 72" Threaded Aluminum Handle Section

- Aluminum Construction
- The large threads can be combined with similar handles made by others
- Diameter 1-3/4"



## 72" Magnesium Push Button Handle Section

- Ultra lightweight and extra strong thick wall magnesium tubing
- 1/3 less weight than aluminum poles
- White powder coated finish
- Designed to fit Marshalltown aluminum push button handle sections, brackets, & adapters
- Diameter 1-3/8"



## Push Button to Male Threaded End Adapter

- Fits 1 3/8" and 1 3/4" push button handles
- Use with bull floats, fresnos, brooms, etc.
- Male Thread



## RotaLeveler® - Chain Driven Bull Float Adapter

- Fits all two and four hole bull floats without adapters
- Features easy control adjustment, smooth operation, and a large protected grease reservoir
- Chain driven
- Accepts most 1 3/4" and 1 3/8" push button handles without adapter



## 360 Degree Twist Bracket - Universal 6-Hole Head

- Compatible with bull floats, groovers, edgers, fresnos, brooms and more
- Allows quick, easy adjustments on the job
- 0 to 90 degree handle-angle adjustment and full 360 degree rotation of finishing tool



## DuraSoft® Float Handle

DuraSoft® handle fits all of our Magnesium hand floats



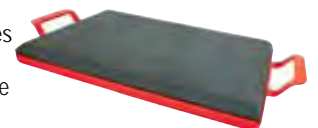
## Stainless Steel Knee Boards with Knee Pads

- Made of 18 gauge stainless steel
- Built-in toe brackets for easy back and forth motion
- Replaceable knee pads come with straps and buckle; sold by the pair



## QLT Kneeler Board

- Offers extra-comfortable support for knees
- Extra large handle grips
- Black foam pad securely fastened to large polypropylene tray





## 12" Horsehair Broom

- Long wearing 2 1/2" 100% horsehair bristles set solidly into a natural lacquered hardwood block
- Threaded hole accepts any standard broom handle
- Ideal for applying non-slip finish to newly finished concrete surfaces
- Set in a thin style hardwood block



## 24" Aluminum Back Concrete Broom - Horsehair

- Used to brush concrete after floating
- Clevis handle mounting bracket included
- Horsehair Bristles



## Aluminum Back Concrete Broom - Polypropylene

- 3" black poly fibers set in a lightweight aluminum back
- Used to brush concrete after floating
- Clevis handle mounting bracket included
- Available in 36" and 48"



## Large Wood Concrete Broom

- 3 rows of 3" long soft plastic bristles
- Equipped with strong, adjustable handle socket, bull float tip and standard handle tip
- Fits any 15/16" diameter standard threaded handle
- Used for large concrete areas where grain finish needs to extend for long distances
- Available in 24" and 30"



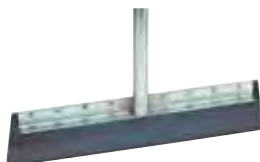
## 22" Blue Steel Scraper Head Assembly Only

- Blade of heavy gauge spring steel
- Wide 22" blade with angle stiffener
- Removable handle
- Handle sold separately
- Replacement blade available



## 20" Steel Floor Scraper

- 60" steel handle welded to angle iron bracket
- 1 1/8" diameter handle
- Plastic grip on handle
- Blade is made of heavy gauge spring steel
- Replacement blade available



## Canvas Tool Bag

- Made of heavy duty canvas with lock stitched seams
- Waterproof masonite bottom with four metal studs
- Built on a 12-gauge steel frame
- Handles, billets, and buckles are riveted to frame
- Inside pocket to prevent small tools from being lost
- Size-in: 20" x 15"



## 11" Narrow London Brick Trowel

- Forged from a single piece of high grade tool steel
- Impact area is stronger
- DuraSoft® handle rise is set for the correct hang and balance
- Blade is taper ground and polished



## Pointing Trowel w/ Wooden Handle

- Forged from a single piece of high carbon steel
- Hardwood handle
- Sizes: 6" x 2-3/4", 7" x 3"



## Margin Trowel with Wooden Handle

- Tempered steel blade is fully ground and polished
- Hardwood handle
- Size: 5" x 2"



## Margin Trowel with Wooden Handle

- Forged from a single piece of high carbon steel
- Tempered, ground, and polished from toe to heel
- Hardwood handle
- Size: 5" x 1-1/2", 5" x 2", 6" x 2", 8" x 2"



## Tuck Pointer with Wood Handle

- Forged from one piece of high carbon steel
- Tapered for the required sturdiness and correct flexibility
- High shank and high lift give plenty of hand room
- Hard wood handle with metal ferrule is securely attached
- Sizes: 6-1/2" x 1/4"      6-3/4" x 5/16"
- 6-3/4" x 3/8"      6-3/4" x 1/2"
- 6-3/4" x 5/8"      6-3/4" x 3/4"
- 6-3/4" x 7/8"      6-3/4" x 1"



## Brick Jointers

- Made from high carbon steel
- Brick jointers have a convex face for striking concave joints.
- Each end is a different size for making different size joints.
- Tooled joints are recommended for exterior applications because the jointer compacts the mortar to keep moisture from penetrating the joint.
- Concave joint helps conceal small irregularities in laying and emphasizes the pattern.
- 10 1/2" in length
- Sizes: 3/4" & 7/8"
- 5/8" & 3/4"
- 3/8" & 1/2"





**Fender Wash Brushes - 8" Handle**

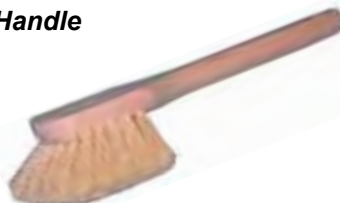
Filling material is staple set in a wax tumbled hardwood block with hang up hole in handle.  
Block size: 8"L x 3"W  
Length of Trim: 2"

- No. 40** Palmyra Fiber  
**No. 41** White Tampico


**Fender Wash Brushes - 12" Handle**

Filling material is staple set in a wax tumbled hardwood block with hang up hole in handle.  
Block size: 12"L x 3"W  
Length of Trim: 2"

- No. 49** White Tampico


**Coater Brush**

**Heavy filled White Tampico** fiber staple set in wax tumbled hardwood block with 5½ inch handle attached.  
Block size: 4½"L x 1¾"W  
Length of Trim: 3"

- No. 563** 4 rows wide


**Polypropylene Deck Brushes**
**Acid-Proof Polypropylene**

Filled with high quality polypropylene. Staple set in a smooth sanded hardwood block with one threaded and one tapered handle hole.  
Length of Trim: 3"

- No. 310** 10 inch Brown


**Mason Acid Brushes**
**Heavily filled White Tampico Fiber**

staple set in wax tumbled hardwood block.  
Block size: 7½"L x 2¾" W  
Length of Trim: 2½ inches  
No. of rows: 5 x 17

- No. 177 H.D. Mason Acid**



Block size: 8¾"L x 3"W  
Length of Trim: 1¼ inch  
No. of rows: 7 x 18

- No. 178 w/o Handle Hole**


**All Steel Squeegees**

Economy Line all steel floor squeegees with tapered handle socket..

**Straight**

- No. EC 4130-TP 30"** Blk. Rubber  
**No. EC 4136-TP 36"** Blk. Rubber

**Curved**

- No. EC 4630-TP 30"** Blk. Rubber  
**No. EC 4636-TP 36"** Blk. Rubber



**Also available:** Paint Rollers & Frames, Warehouse Brooms, Handles, Mops, Buckets, Wire Scratches and more. Ask for info.


**No. 37 Line Floor Brush**

**Silver flagged-tip plastic.** Staple set in clear lacquered half-round hardwood block. Will sweep finest dust or grit.  
**DO NOT USE WITH OIL BASE SWEEPING COMPOUND.**  
Length of Trim: 3"

- No. 3730** 30 inch  
**No. 3736** 36 inch


**No. 35 Line Floor Brush**

**Center rows Coarse Brown Plastic and border rows Silver Flagged-tip Plastic.** Staple set in clear lacquered hardwood block with two threaded handle holes.  
Length of Trim: 3"

- No. 3530** 30 inch  
**No. 3536** 36 inch


**No. 22 Line Garage Brushes**

**Coarse brown plastic.** Staple set in clear lacquered hardwood block. Will not soften when exposed to water, oils or greases.  
Length of Trim: 3"

- No. 2230** 30 inch  
**No. 2236** 36 inch


**No. 21 Concrete Finishing Brush**

Staple set in clear lacquered hardwood block with one threaded handle hole.  
Three rows of filling material.  
Length of Trim: 3"

- |                 |            |                            |                              |
|-----------------|------------|----------------------------|------------------------------|
| <b>No. 2118</b> | <b>18"</b> | <b>Black Polypropylene</b> | <b>Medium To Fine Finish</b> |
| <b>No. 2124</b> | <b>24"</b> | <b>Black Polypropylene</b> | <b>Medium To Fine Finish</b> |
| <b>No. 2130</b> | <b>30"</b> | <b>Black Polypropylene</b> | <b>Medium To Fine Finish</b> |
| <b>No. 2136</b> | <b>36"</b> | <b>Black Polypropylene</b> | <b>Medium To Fine Finish</b> |

**Concrete Finishing Brush**

**Soft Horsehair.** Staple set in clear lacquered hardwood block. Two rows of soft horsehair make this an ideal brush for applying a fine brush finish on small area concrete jobs.  
Length of Trim: 2"

- No. 190** 12" Horsehair Fine Finish



## Polar/Solar® Outdoor Extension Cords

### T\*Prene® Insulated All-Purpose Cord with Power Indicator Light

POLAR/SOLAR Plus™ SJEOW extension cord with power indicator light in the cord connector.

Gauge	Length	Conductor	Cable O.D	Current rating
14/3	10 ft, 25 ft	41/30 BC	0.352 in	15A
	50 ft			13A
12/3	25 ft, 50 ft 100 ft	65/30 BC	0.420 in	15A

#### Applications:

Industrial and construction job site power where you require tough, durable extension cords

#### Industry Approvals:

- UL Listed & CSA Certified outdoor use cord set
- Meets OSHA requirements for outdoor use



## Polar/Solar® Tri-Source® Extension Cords

### High Impact Power Block with T\*Prene® Insulation and Power Indicator Light

POLAR/SOLAR Plus™ SJEOW extension cord with Tri-Source® three outlet cord connector with power indicator light.

Gauge	Length	Conductor	Cable O.D	Current rating
12/3	25 ft, 50 ft 100 ft	65/30 BC	0.420 in	15A

#### Applications:

Provides additional outlets for power distribution on industrial or construction job sites where you require tough, durable extension cords.

#### Approvals:

- UL Listed & CSA Certified outdoor use cord set
- Meets OSHA requirements for outdoor use



## Polar/Solar® Coiled Extension Cords

### Tangle-free Self-Coiling Cord Never Needs Winding

SJEOW coil cord with right angle plug and straight cord connector. A shock cord with belt clip is attached.

Coil length range (nom): 1 ft. to 5 ft  
Length of "tails" (nom): 1 ft.

#### Approvals:

- UL Listed outdoor use cord set
- Meets OSHA Specifications for general use



## Multi-Outlet Vinyl Extension Cords

### Tri-Source® Three-Way Power Block

Tri-Source® STW three receptacle adapter cord set.

Cord length: 2 ft

Cord connector configuration: NEMA 5-15R x 3

#### Approvals:

- UL/cUL/ETL Listed
- Meets OSHA requirements for outdoor use



## GFCI - Ground Fault Circuit Interrupters

Manual reset portable GFCI cord set with Tri-Source® cord connector.

Cord length: 2.5 ft in-line or 2 ft right angle

Cord connector configuration: 3 x NEMA 5-15R

#### Applications:

- Provide personal protection from ground faults and open neutral conditions anywhere electrical equipment is used
- Protection for the job site, plant floor or workshop

#### Industry Approvals:

- UL Listed and CSA Certified Class A Ground Fault Circuit Interrupter;
- Complies with OSHA requirements for personnel protection in temporary wiring installations.



## Generator Cords and Adapters

10/3 STOW twist lock "Y" adapter cord set. Y Adapters converts 30 Amp and 20Amp locking outlets to common NEMA 5-20 & L5-20 Outlets.

Cord set length: 3 ft. total, 2 ft plug to "Y"  
Attachment plug configuration: NEMA L5-30P

#### Applications:

- Construction and Maintenance (for most generator receptacles)
- Commercial, industrial, and residential
- Convert standard generator NEMA configurations to maximize job-site power and performance

#### Industry Approvals:

- UL Listed and CSA Certified Class A Ground Fault Circuit Interrupter;
- Complies with OSHA requirements for personnel protection in temporary wiring installations.



## Lighting

### 500W HALOGEN LIGHT W/PIVOT HANDLE

#### Features:

- 500W halogen light with adjustable pivot handle
- Hand held, padded
- Sled base
- On/Off switch
- Red
- 5 ft. cord

#### Applications:

- Commercial, industrial, large residential construction and rehab projects
- Nighttime outdoor and indoor construction
- Suitable for use in wet locations

#### Industry Approvals:

- UL/cUL Listed

Dimensions: 6.6" W x 10" D x 12" H (nom)



### (2)500W DUAL HALOGEN WORK LIGHT W/TRIPOD

#### Features:

- (2) 500W halogen light with dual pivoting heads
- Adjustable tripod base
- Separate on/off power switches for each fixture
- Yellow
- 7 ft. cord

#### Applications:

- Residential construction and rehab projects
- Nighttime outdoor and indoor construction
- Suitable for use in wet locations

#### Industry Approvals:

- UL/cUL Listed

Dimensions: 22" W x 8" D x 77" H (nom)





## MEASURING TAPES / CHALK REELS / MARKING

### RoadRunner® Outdoor/Long-Run Wheels

- Measure curved, horizontal and asymmetrical surfaces.
- Weighs less than 2 lb
- 5-digit, easy-read, magnified counter measures 9,999 ft., 11" (or 9/10ths of a foot with engineers' models, or meters and decimeters) without resetting. That's almost two miles.
- Heavy-duty, ABS wheel with improved, clean three-spoke design
- Curved, telescoping handle adjusts to comfort level.

Model	dia.	circ.
RR318N	12 1/2 in.	3 ft.



### Ultra-Glass Blade - OTR

The world's premier fiberglass long tape in a built-for durability housing!

- Tough, molded handle is easy to grasp.
- The crank handle is reinforced with metal to provide years of rugged use.
- Double-throat rollers guide the blade return and prevent the tape from twisting.
- The shovel handle is ideal for rapid reeling.
- Available in 100, 165, 200 and 300 length with hook end and hook attachment.



### Perma-Clad™ Nylon-Reinforced Steel Blade

- Tough, double nylon-coated steel.
- Break resistant.
- The 3/8" wide blade.
- Metal-reinforced crank handle with hook end and hook attachment.



## MARKING

### Braided Nylon Mason Twine

Because the twine is braided, it doesn't come apart even after multiple unwindings. It is perfect for large jobs and everyday use. 18-gauge line with an approximate tensile strength of 155 pounds.



### Marking Whiskers

- Available in 7 colors: blue, green, orange, glo-pink, red, white, yellow
- Boxes of 1000

### Surveyor Stake Flags

2 1/2-inch x 3 1/2-inch flags on a 21" stake. Bundles of 100.

Available colors: blue, green, glo-lime, glo-orange, glo-pink, glo-red, white, yellow.



### Paint Crayons, Valve Paint Markers (paint pens) & Markers

**Paint crayons** - Marks through oil and water, Lead-free, non-toxic.

**Valve paint markers** - Marks on all surfaces: metal, wood, glass, plastic, rubber, cardboard and paper.

**Point markers** - Smear resistant, water resistant, fast drying.

**Giant markers** - Water resistant, fade resistant, high intensity ink, mark large on cardboard, ceramic, wood, metal and glass.



## CHALK AND REELS

### High-Speed Chalk Catching Giant!

The world's premier chalk boxes for frequent snaps and bold lines!

- Super high speed 3 x 1 rewind.
- Ergonomic design for less wrist strain.
- Patented Spring Cleaner® keeps the chalk from spraying.
- Our Chalk Catcher also reduces waste and keeps the chalk from ending up on your clothes.
- "Glovable" grip for cold weather or rough conditions.
- Huge BigMouth™ opening to ease fill up and a no-leak stopper to keep it shut until you want to chalk up.
- Recessed handle clasp stores the handle out of the way.
- ABS case takes a beating and the Keson orange can be found quickly in the clutter.



Model	Housing	Handle	Capacity
G3X100	ABS	ABS	12 oz.
G110	plastic	metal	12 oz.
G130	plastic	metal	27 oz.



### Chalk Line Saver

Clear Spray with an Inverted Tip

Clear spray protects chalk line from wind and rain. Save hours of rework by protecting your layout!



### Standard Chalk Boxes

Whatever the application, we've got a chalk box that will meet your needs!

**RWM1** - Geared rewind, rubber-gripped, tear-drop shaped, metal box for years of use

**RWP1** - Geared rewind, tear-drop shaped, plastic box

**P100** - A great box for coner work. Braided Twine

**GB1** - 3x1 Rewind!

**FB2** - A Classic

**K1** - Metal Case

### Ultra-Fine Chalk

- Standard grade marking dye
- Up to 8 lines possible with proper techniques
- 4-5 strikes usual line yield
- Brilliant color
- Great flow for easy box fill-up

Mode	Color	Weight
8R	red	8 oz.
8Y	yellow	8 oz.
105B	blue	5 lbs
105BLACK	black	5 lbs
105GO	glo-orange	5 lbs





Part #	Description
1551900	<b>Classic</b> Square Point Shovel with Poly D-grip, High carbon tempered steel blade for durability, Width 9.5", L 40.25"
1551400	<b>Classic</b> Round Point Shovel with Poly D-grip, #2 carbon steel blade 8.5" x 11.5, L 39.5"
1682500	<b>Classic</b> #12 Aluminum Scoop with Poly D-grip, Aluminum blade, is lightweight, non-sparking and naturally rust proof, Width 14.5", L 46"
1940100	<b>J-350, Blue Max</b> Concrete/Forming Shovel, Tempered, carbon steel blade measures 6" x 9 1/2", L 51.25"
1201100	<b>J-450, Pony</b> Square Point Shovel with Solid Shank and No-step, Double-tapered forged blade, Extended blade socket, Width 9.25" L 57.5"
1201500	<b>J-450, Pony</b> Round Point Shovel with Solid Shank and Armor D-grip, Width 9", L 37.25"
1201900	<b>J-450, Pony</b> Round Point Shovel with Solid Shank, Industry-standard solid shank blade, Width 8.5", L 56"
1230200	<b>J-450, Pony</b> Garden Spade with Solid Shank and Armor D-grip, 27" handle with armor D-grip, Width 7", L 40.25"
1233200	<b>J-450, Pony</b> 16-in Drain Spade with Solid Shank, For digging and clearing trenches, Width 6", L 67"
1234000	<b>J-450, Pony</b> Ditch/Post Shovel with Armor D-grip, 16"#2 tempered steel head with a forward turned-step, Width 6", L 44.25"
1248800	<b>J-450, Pony</b> Square Point Shovel with Solid Shank and Armor D-grip, Forged steel blade with extended blade socket, Width 9", L 38.5"
1868700	<b>J-450, Pony</b> Mortar Hoe, Forged, 10" head, 66" hardwood handle with a steel ferrule, Length 67.5"
1886300	<b>J-450, Pony</b> 16-tine Bow Rake, Forged, One-piece forged 16-tine tempered-steel head, Width 17", L 66.5"





Part #	Description
1305100	<b>J-250, Kodiak</b> Garden Spade with Closed-back Design, Width 7", L 58"
1309300	<b>J-250, Kodiak</b> Square Point Shovel with Armor D-grip, Extended blade socket, 14-gauge steel blade, Width 9.75", L 41.5"
1309600	<b>J-250, Kodiak</b> Round Point Shovel with Armor D-grip, Commercial grade, 14-gauge, carbon steel blade, Width 9", L 41.25"
1309800	<b>J-250, Kodiak</b> Round Point Shovel, Commercial grade, 14-gauge, carbon steel blade, Width 9.5", L 59.5"
1556600	<b>J-250, Kodiak</b> 5-in Trenching Shovel, The 4" blade is designed for digging a narrow trench, Tempered steel blade, Width 4.5", L 57"
1646300	<b>J-250, Kodiak</b> 7-Inch Scraper, 7-inch x 6-inch blade, Forged head, 48" North American ash handle, L 57.5"
1671200	<b>J-250, Kodiak</b> #12 Aluminum Scoop with Armor D-grip, No. 1 Grade, Width 14", Length 45"
1706100	<b>J-250, Kodiak</b> Post Hole Digger, Heavy duty carbon steel head with Hercules pattern, 6.25" point spread, 12-gauge blade, L 58.75"
1838100	<b>True Temper</b> 5-oval tine Manure Fork, Forged 5-tine head is strong and durable, Tempered steel for maximum strength, Width 9", L 60.5"
1693300	<b>True Temper</b> The Brute 7-Inch Scraper, D-Grip, Multi-purpose heavy duty, 7" x 9" forged blade, Sharp, beveled edges, L 53"
1647800	<b>True Temper</b> Sidewalk scraper, 7" x 5" blade, Welded Shank, L 53"
1646200	<b>True Temper</b> 7-Inch Scraper, 7" x 5" blade, Forged head, L 54"
1868600	<b>True Temper</b> Welded mortar mixer hoe, Perforated blade, 6.5" x 4" Head, Length 50.75"
TPHD	<b>True Temper</b> Post hole digger, Tempered steel blades for easy soil penetration, 5.5-inch point spread, head 8" x 5.5", L 53"



## Fiberglass Handle Tools

The Structron brand tool line- The most rugged tools available for the heaviest-duty construction, industrial, and commercial applications. You can't buy better or stronger tools!

### Features:

- Thicker steel shovel heads
- Rear rolled steps
- PermaGrip™ steel connectors
- Forged tool heads
- Thickest wall yellow fiberglass handles
- Solid fiberglass handle core inserts
- ProGrip™ foam comfort grip



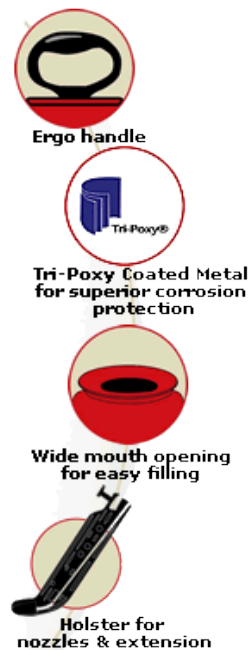
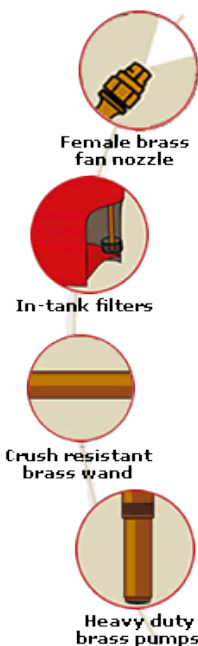


**Innovative Solutions**  
Our goal is to deliver unwavering innovation, quality and value. Enjoy your Chapin Sprayer.

**Sprays up to 30- 35% Solids**

**Resistant to the Most Extreme Chemicals and high Concentrations of Acetone®, Naphtha®, Xylene®, and Toluene® (19049)**

- Exclusive TRI-POXY™ lined steel for triple protection against corrosion, rust and damage from denting
- Wide mouth for easy filling and cleaning
- Exclusive: Poly Holster keeps wands and tips secure
- Brass fan spray nozzle for even coverage
- Brass spray handle with "Lock-on" and quick release design. Threaded coupling for easy removal
- VITON™ o-rings and gaskets for maximum resistance to chemical attack (1949)
- Hose reinforced with nylon braid and vinyl core to resist chemical attack, crimping, cracking and leaking
- Exclusive In-tank anti-clog filter standard Optional for 1949, (part #6-7745)
- Exclusive Ergo handles



**Industrial Viton Cleaner/Degreaser - 2G (22350)**

- Acid and chemical resistant seals and gaskets
- Wide opening for easy filling and cleaning
- Auto/manual high pressure relief valve
- "Lock-off" feature to prevent accidental discharge
- Adjustable poly cone nozzle sprays cone to stream



22350  
2.0G/7.6L



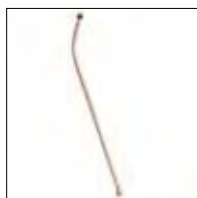
**Replacement parts**



6-6062  
Industrial Brass Shutoff  
Handle w Fitting



6-6091  
48 Industrial Hose  
w Fittings



6-7703  
24 Industrial Brass  
Male Extension Wand



6-6000  
Brass Adjustable Cone  
Nozzle w Viton



6-5797  
Industrial Brass Fan Tip  
Nozzle



6-4627  
Seal and Gasket Kit



## Special Deluxe Line

Albion Special Deluxe manual drive models are designed for today's higher viscosity materials and the demands of cold weather use.

### Standard Features:

- Reinforced construction for high-pressure applications
- Smooth, durable finish, welded heavy gauge steel
- Epoxy-coated handle for comfort and corrosion resistance
- T-pull with 5/16" square smooth piston rod
- Swivel handle rotates, allowing for easy change of direction and uninterrupted flow



MODEL	DESCRIPTION	CAPACITY	PRESSURE
103-15	JUMBO diameter, 3/4" nozzle	80 oz	50 psi
DL-59-T13	Bulk, 1/2" nozzle	30 oz	120 psi
DL-45-T13	Bulk, 1/2" nozzle	20 oz	120 psi
DL-45-T14	Bulk/Sausage, 1/2" nozzle	20 oz	120 psi
DL-24-T14	Bulk/Sausage, 1/2" nozzle	10 oz	120 psi

## Battery Powered E-Drive Tools

Albion's battery powered models offer state-of-the-art performance, portability and control.

### Standard Features:

- Ergonomic design** — reduces wrist strain
- Heavy Duty** — all-metal gear box develops 620 lbs of force
- Fast** — 20 seconds to dispense entire load at full speed
- Dispensing Control** — adjustable trigger speed
- Power Efficient** — 50+ loads on one charge
- Auto-reverse** — relieves pressure and reduces cartridge run-on
- 14.4 Volt Battery** — included with one-hour charger
- Easy Changeover** — kits available for easy conversion to cartridge, bulk, or sausage dispensing
- Compatibility** — accepts all Albion air and manual gun accessories



**How Fast is Fast!**  
A Cordless Gun can dramatically decrease the amount of time on a work site.

## Accessories

### Ladder Hook Pull

Replaces standard T-Pull. Performs two jobs. They're a T-Pull and a handy hook for hanging gun on ladder. Screw onto the piston rod of any Albion model.



### Mixing Paddle

Speeds blending. Paddle openings reduce resistance. 3" blade, fits 1/4" drill chuck.  
**162-G02** - 8" shaft  
**162-G03** - 18" shaft



### Catalyst Mixer

Designed for mixing two-component urethane sealants. Fits 1/2" drill chuck.

- 381-G01** - 6" blade x 18" shaft
- 381-G02** - 4" blade x 18" shaft
- 381-G03** - 6" blade x 28" shaft
- 381-G04** - 4" blade x 28" shaft



### Barrel Brushes

Brass bristle brush cleans the inside of 2" diameter steel barrels.

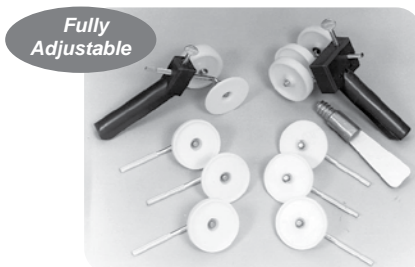


- 800-G01** - Curved handle for manual cleaning
- 800-G02** - Straight shank for use with drill
- 800-G03** - Replacement brush head

### Backer Rod Insertion Tools

Places the backer rod at any desired depth. All models include 1/8", 1/4", 3/8" and 1/2" wide insertion wheels. Replacement wheels available for all models.

- 640-5** - Standard Model, threaded to accept a broom handle, also includes tamping blade.
- 640-6** - Corner Model, designed for filling joints in a corner.
- 640-3** - This set includes both Standard and Corner models.
- 640-4** - Road Model similar to 640-6, except handle is reinforced with resin and tamping blade is omitted.



### Caulk-Knife

Removes old-caulk and cleans joints. Durable all-steel construction. Easy grip knurled handle. Holds standard utility blade. (Not included.)

- 816-G01** 12" reach
- 816-G02** 18" reach



### Bucket Scrapers

Stainless steel with wood handle. Square tipped, ground knife-edge easily scrapes material from container sidewalls. Offset handle prevents scraping knuckles.

- 258-33715** - 2" x 5" blade
- 258-33718** - 2" x 8" blade
- 258-33719** - 2-1/2" x 8" blade



### Follow Plate

Fits inside can. Speeds bulk loading. Specify model and can size when ordering.

- Model 117** - Sheet metal specify disc diameter: 6-7/16", 8-3/8", 10-7/8"
- Model 504** - For 2" dia. models only. Sheet metal with nitrile seal for tapered pails. Specify range of disc diameters: 7-3/4" to 9-1/8" or 9-7/8" to 11-3/8".



### Stainless Steel Spatula

Sturdy, flat, flexible rounded tip blade. Comfortable hardwood handle.

- 258-3TPS** - 3" x 9/16" -3/8" blade
- 258-3S** - 3" x 5/8" blade
- 258-4S** - 4" x 3/4" blade
- 258-5S** - 5" x 7/8" blade
- 258-6S** - 6" x 1" blade
- 258-8S** - 8" x 1-1/4" blade





### CARTRIDGE

#### MODELS 250 / 255

- 18:1 Thrust Ratio
- Zinc Alloy Handle & Trigger
- Precision Sintered Friction Plate
- Easy Release Star-Burst Reverse-Punched Gripping Plate
- Seal Puncture Tool
- Patented Spout Cutter
- Ladder Hook
- Replacement Parts Available



**Model 250** - 1/10 gal.

**Model 255** - 1/4 gal.



**Effective Trigger Grip:**  
Achieve maximum trigger action  
with every stroke

#### MODEL 375-XSP

- 26:1 X-Tra Super Power
- Extra Durable Heat-Treated Piston Rod
- Hammer Finished Zinc Alloy Handle With Comfort Grip
- Precision Sintered Friction Plate
- Easy Release Star-Burst Reverse Punched Gripping Plate
- Ladder Hook



**Effective Trigger Grip:**  
Achieve maximum trigger action  
with every stroke

#### STANDARD MODEL 77

- 5:1 Thrust Ratio
- All Steel Welded Construction
- 1/10 gal.
- Ratchet Rod Cradle



### GATOR TRIGGER™

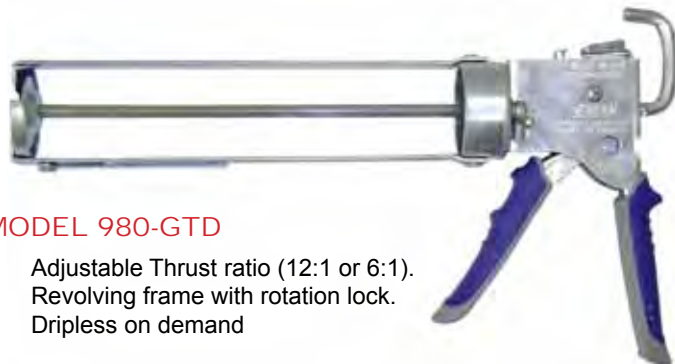
#### Caulking Made More Ergonomic

- Zinc chromate plating.
- Built-In spout cutter.
- Ladder hook.
- Patent pending Gator Trigger™ Comfort Grip.



#### MODEL 950-GTS

- 12:1 Thrust ratio.
- Seal puncture tool.



#### MODEL 980-GTD

- Adjustable Thrust ratio (12:1 or 6:1).
- Revolving frame with rotation lock.
- Dripless on demand

### DUAL COMPONENT

#### MODEL 535-XSP

- 26:1 Thrust Ratio
- Easily Converts in Just Seconds to 300 ml x 300 ml; 300 ml x 150 ml; 150 ml x 150 ml; and 150 ml x 75 ml
- Patented Cartridge Stabilizing Plate
- Snap In/Snap Out Push Disks
- Extra Durable, Heat Treated Push Rods
- Precision Sintered Friction Plate
- Easy Release Star-Burst Reverse Gripping Plate
- Hammered Finished Alloy Handle with Comfort Grip



Heavy Duty STERLING Contractor Wheel barrows outlast, outperform all other brands on the job. Special deep narrow tray design plus Far Forward position on undercarriage means EASIER Lifting and Transport. Carry Heavier Loads with Less Effort.

### Steel Tray Wheelbarrows



### Poly Tray Wheelbarrows

Heavy duty contractor wheelbarrows with Sterling-Lite Plus trays offer a lighter weight, no rust alternative to steel trayed units without sacrificing long in-service life. Special Extra High Density Polyethylene compound for high strength, low temperature impact resistance and maximum durability. UV stabilized and black color for maximum protection against ultra violent rays. 10 year limited warranty.



**Model # WB 6P-4U with RSU option**  
Sterling 6 cubic foot poly tray wheelbarrow with solid flat free (Poly U) tires



**Model # WB 8PR-44-S with RSU option**  
Sterling 8 cubic foot poly tray wheelbarrow with steel handles, pneumatic tires and roll bar support option.

### Poly Lite Mixing Box

#### Model #MB-10P

Offers the light weight no rust alternative to heavy steel boxes. Special Extra High Density Polyethylene compound for high strength, low temperature impact resistance and maximum durability. UV stabilized and black color for maximum protection against ultra violet rays. Dimensions: 60"x 35.5" Top dimension slopes to 58.5"x32" bottom. 12" depth.



### Dual Wheeler Option

Available for all models



Poly Tray with Dual Wheel Pneumatic Option Shown

## Carpet Protection

### Carpet Shield

Carpet Shield clear, self-adhering film protects all types of carpeting for up to 45 days without leaving any adhesive residue. Highly resistant to tears or punctures, Carpet Shield's non-slip surface is ideal during remodeling, painting and moving and helps minimize clean-up time and damage claims. No tape required. Available in a variety of sizes, the larger rolls are reverse-wound for faster application.



## Hard Surface Protection

### Builder Board

Save on construction time, stay on schedule and within budget with Builder Board.

- 100% recyclable - at least 33% post consumer
- Heavy-duty, reusable temporary floor protection
- Tough enough to be driven on
- Less expensive and 1/3 the weight of 1/8" masonite
- Can be seamed together for large areas
- Allows moisture, vapors etc. to escape for curing
- Non staining

Protects: Granite, Travertine, Marble, Terrazzo, Stone, Colored Concrete, Tile, Wood, Carpet, Linoleum, etc.

Stock Size: 38"x 100' Roll



### Water Shield Reinforced Kraft Paper

Non-staining, water resistant WATER SHIELD is made from a lamination of two strong kraft papers with nylon scrim reinforcement. Water Shield protects flooring surfaces like hardwood, laminate and tile and does not tear under normal traffic wear, eliminating the need to constantly replace torn paper. Water Shield is moisture resistant and durable enough to be re-used, making it a more economical choice than other products such as red-rosin paper. Available in 300' rolls by: 36", 48", 60", 72" and 96".



### Clean Mat

CLEAN MAT is a polyethylene film mat with a tacky surface that removes dust and dirt from footwear and prevents it from being tracked. Each mat contains 30 sheets which are tabbed for easy removal of each layer. Clean mat stays firmly in place and is easy to use and dispose of! (Do not adhere to carpeted surfaces). Available in 24" x 36" and 36" x 36" four mats per case. Both sizes are available in blue or white.



## Dust Containment

### Dust Shield PRO Adjustable Poles

This unique system makes constructing temporary walls to control dust quick and simple! The DUST SHIELD Pole locks the screening material firmly against the ceiling. The Dust Shield poles can be extended up to 12 feet. Made of heavy gauge aluminum.

Each kit contains 2 poles

*VISQUINE poly sheeting sold separately.*



### Zip n Close® Zipper Doorway System



ZIP n CLOSE® can create any size doorway with poly sheeting or canvas to control dust, reduce heat loss or create an instant entrance / exit to any closed area. For interior or exterior use. Zip n Close® is perfect for all types of construction. Meets federal containment specs for asbestos removal.

Sizes: 1.5"x 7' Red Zipper Individually Boxed (2 Pack)

2.75"x 7' Blue Zipper Individually Boxed (2 Pack)

### Plastic Shoe Covers

Plastic Shoe Covers are the perfect choice for protection from the elements. Keep feet dry and protect floors and carpets from mud, moisture, scuffs and heel marks. Show your customers that you care by wearing these waterproof, disposable shoe covers.

Ideal for:

- Cable installers
- Carpet cleaners
- Contractors
- Movers
- Plumbers

Available in a 200 individual shoe cover bulk pack.



### The Step n Peel™ Clean Mat



The Step n Peel clean mat is a polyethylene film mat with a tacky surface to remove dust and dirt from footwear. This unique product features a sturdy, reusable platform constructed of rigid polystyrene, available with a nonskid backing that holds it securely to floor

surfaces such as carpeting, tile, concrete and more. Containing 30 tabbed layers of film mounted on a black frame, the Step n Peel clean mat is available in white and sandstone.

Refill mats are available





# Grip-Rite™ Tarpaulins

Economy Weight Tarps

## Grip-rite Medium Duty Tarps

Grip-rite Medium Duty Tarps - More weight, tighter weave make these blue covers a durable alternative. Suitable for a wide range of rough-service residential and commercial uses.



2

Tarps				
SKU	Color	Cut Size	Finished Size	Qty per Carton
ETARP810	Blue	8 ft. x 10 ft.	7 ft. 4 in. x 9 ft. 6 in.	25
ETARP1012	Blue	10 ft. x 12 ft.	9 ft. 4 in. x 11 ft. 4 in.	15
ETARP1216	Blue	12 ft. x 16 ft.	11 ft. 4 in. x 15 ft. 6 in.	8
ETARP1225	Blue	12 ft. x 25 ft.	11 ft. 4 in. x 24 ft. 4 in.	7
ETARP2040	Blue	20 ft. x 40 ft.	19 ft. x 39 ft. 4 in.	2
ETARP3050	Blue	30 ft. x 50 ft.	28 ft. 10 in. x 49 ft. 2 in.	1

# Foundation Coatings

Grip-Rite coatings and sealants offer maximum protection designed to repair, seal, bond, coat or patch and project from your roof to you foundation to your street.

Grip-Rite coatings and sealants are made by the top coating manufacturers so you can depend on them for durability and strength, even in the toughest weather conditions.



Coating & Sealants		
SKU	Product Description	Package Size
GRWDPRC5	Grip-Rite Wet of Dry Plastic Roof Cement	5 gal.
GRWDPRC1	Grip-Rite Wet of Dry Plastic Roof Cement	1 gal.
GRNFFC5	Grip-Rite Asphalt Emulsion Foundation Coating	5 gal.





### 3 Gal Water Cooler

Keep the whole group hydrated with the Rubbermaid 3 Gal Water Cooler that has a drip-resistant spigot.

- Durable construction resists scratching, denting and fading.
- Drip-resistant spigot; screw-tight lid
- Extra-thick insulation ensures superior thermal retention.
- Stain and odor resistant, easy-to-clean liner.
- Swing-top bail handle for easy carrying
- Rubbermaid® is the industry leader in water coolers



### 7 Gal Water Cooler

Bring it to every game, practice or barbeque to keep your crowd hydrated! The 7 Gal Water Cooler has durable construction and extra-thick insulation.

- Durable construction resists scratching, denting and fading.
- Drip-resistant spigot; screw-tight lid
- Extra-thick insulation ensures superior thermal retention.
- Stain and odor resistant, easy-to-clean liner.
- In-molded handles
- Rubbermaid® is the industry leader in water coolers



### 10 Gal Water Cooler

Bring water for the whole team. The Rubbermaid 10 Gal Water Cooler has a durable construction to take whatever the team throws at it.

- Durable construction resists scratching, denting and fading.
- Drip-resistant spigot; screw-tight lid
- Extra-thick insulation ensures superior thermal retention.
- Stain and odor resistant, easy-to-clean liner.
- In-molded handles
- Rubbermaid® is the industry leader in water coolers

## Accessories

### Cup Holder

This durable, weather-resistant construction cup holder is created specifically for Rubbermaid® water coolers. Designed to hold Rubbermaid® 4 oz and 6 oz Paper Cups



Cup Holder mounted on water cooler



### 4 oz and 6 oz Paper Cups

Have a cup for everyone. Share the water from Rubbermaid® water coolers with cups designed specifically for them.

### Mounting Bracket

Easily fasten any Rubbermaid water cooler to a truck bed, table, etc. with this mounting bracket. Designed specifically for Rubbermaid water coolers, the Mounting Bracket has durable, weather-resistant construction. Made for horizontal mounting.



## Rotomolded Tilt Trucks

Industrial strength construction transports heavy loads with ease.

- Easy to handle and maneuver through commercial doorways and onto elevators.
- Constant force design allows for controlled dumping by one person.
- Inset wheels on 1/2 cu. yd. (.4 m³) and 1 cu. yd. (.8 m³) models protect walls, fixtures and patrons.
- Smooth surface is easy to clean and resists pitting and corroding.



**Model 1025**



**Model 1304**



**Model 1315**

Item#	Description	Length	Width	Height	Mass Capacity	Material	Process	Volume Capacity
1025	Tilt Truck, Standard Duty	80 1/2 in	43 in	49 1/2 in	1200 lb	MDPE	Rotational Molding	1 1/2 yd3
1026	Tilt Truck, Heavy-Duty	80 1/2 in	43 in	49 1/2 in	2100 lb	MDPE	Rotational Molding	1 1/2 yd3
1035	Tilt Truck, Standard Duty	81 1/4 in	46 3/4 in	50 in	1900 lb	MDPE	Rotational Molding	2 yd3
1036	Tilt Truck, Heavy-Duty	81 1/4 in	46 3/4 in	50 in	2300 lb	MDPE	Rotational Molding	2 yd3
1045	Tilt Truck, Standard Duty	81 1/2 in	55 1/2 in	50 in	1900 lb	MDPE	Rotational Molding	2 1/2 yd3
1046	Tilt Truck, Heavy-Duty	81 1/2 in	55 1/2 in	50 in	2300 lb	MDPE	Rotational Molding	2 1/2 yd3
1304	Tilt Truck, Utility Duty	56 3/4 in	28 in	38 5/8 in	450 lb	MDPE	Rotational Molding	1/2 yd3
1305	Tilt Truck, Standard Duty	60 1/2 in	28 in	38 5/8 in	850 lb	MDPE	Rotational Molding	1/2 yd3
1306	Tilt Truck, Heavy-Duty	60 1/2 in	28 in	38 5/8 in	1400 lb	MDPE	Rotational Molding	1/2 yd3
1314	Tilt Truck, Utility Duty	72 1/4 in	33 1/2 in	43 3/4 in	850 lb	MDPE	Rotational Molding	1 yd3
1315	Tilt Truck, Standard Duty	72 1/4 in	33 1/2 in	43 3/4 in	1250 lb	MDPE	Rotational Molding	1 yd3
1316	Tilt Truck, Heavy-Duty	72 1/4 in	33 1/2 in	43 3/4 in	2100 lb	MDPE	Rotational Molding	1 yd3



The industry's most extensive line of heavy-duty equipment designed to make transporting items easier and more secure.



**Frameless Motor Technology**

- Superior airflow for increased motor durability
- Replaceable brushes

**Steel Drill Lock**  
Positively locks in drill mode

**Dual-Collar Design**  
Change mode without changing clutch setting

**Front-to-Back Speed Shifter**  
Smooth feel with positive placement

**Patented 3-Speed Transmission**

- Faster application speed
- 30% longer run time
- All steel durability

**Self-Tightening Chuck**

- 2X Bit holding strength
- All metal durability

**Bright L.E.D. Worklight**  
Increased productivity in dark areas

**LITHIUM ION**

1/2" (13mm) 18V Cordless XRP™ Li-Ion Hammerdrill/Drill/Driver Kit

1/2" (13mm) 18V Cordless XRP™ Hammerdrill/Drill/Driver Kit

**LITHIUM ION**

1/2" (13mm) 18V Cordless Compact Li-Ion Hammerdrill Kit

### HAMMERDRILLS

SPECIFICATIONS	DCD970KL	DCD950KX	DCD775KL
Voltage	18V	18V	18V
Max Power	450 UWO	450 UWO	350 UWO
# of Speed Settings	3	3	2
Max RPM	0-500/0-1,250/0-2,000	0-500/0-1,250/0-2,000	0-500/0-1,700
Max BPM	0-8,500/0-21,250/0-34,000	0-8,500/0-21,250/0-34,000	0-8,500/0-29,000
Chuck Size	1/2"	1/2"	1/2"
Chuck Type	metal, self-tightening	metal, self-tightening	metal, ratcheting
Tool Weight	5.25 lbs	6.25 lbs	4.1 lbs
Charger/Batteries	1 hour / (2) 18V XRP™ Li-Ion	1 hour / (2) 18V XRP™	30 min / (2) 18V Compact Li-Ion
Includes	360° side handle	360° side handle	



**LITHIUM ION**

1/2" (13mm) 18V Cordless Compact Li-Ion Drill/Driver Kit

### DRILL/DRIVERS

SPECIFICATIONS	DCD940KX	DCD760KL
Voltage	18V	18V
Max Power	450 UWO	350 UWO
# of Speed Settings	3	2
Max RPM	0-500/0-1,250/0-2,000	0-500/0-1,700
Chuck Size	1/2"	1/2"
Chuck Type	metal, ratcheting	plastic, ratcheting
Tool Weight	6.25 lbs	4.0 lbs
Charger/Batteries	1 hour / (2) 18V XRP™	30 min / (2) 18V Compact Li-Ion
Includes	360° side handle	



**LITHIUM ION**

1/4" (6.4mm) 18V Cordless Compact Li-Ion Impact Driver Kit

### IMPACT DRIVERS & WRENCHES

SPECIFICATIONS	DCF826KL	DC835KA
Voltage	18V	14.4V
Drive Size	1/4" hex shank quick release	1/4" hex shank quick release
No Load Speed	0-2,400 rpm	0-2,400 rpm
Impacts/Min	0-2,700 ipm	0-2,700 ipm
Max. Torque	1,330 in-lbs	1,240 in-lbs
Max. Torque	111 ft-lbs	103 ft-lbs
Tool Weight	3.1 lbs	3.9 lbs
Tool Length	5-3/4"	5-3/4"
Charger/Batteries	30 min / (2) 18V Compact Li-Ion	1 hour / (2) 14.4V XRP™



1/2" (13mm) 18V Cordless XRP™ Li-Ion Impact Wrench Kit



1/2" (13mm) 18V Cordless XRP™ Impact Wrench Kit



1/4" (6.4mm) 18V Cordless XRP™ Li-Ion Impact Driver Kit



1/4" (6.4mm) 18V Cordless XRP™ Impact Driver Kit

### IMPACT DRIVERS & WRENCHES

SPECIFICATIONS	DC822KL	DC820KA	DC827KL	DC825KA
Voltage	18V	18V	18V	18V
Drive Size	1/2" square with detent pin retention	1/2" square with detent pin retention	1/4" hex shank quick release	1/4" hex shank quick release
No Load Speed	0-2,400 rpm	0-2,400 rpm	0-2,400 rpm	0-2,400 rpm
Impacts/Min	0-2,700 ipm	0-2,700 ipm	0-2,700 ipm	0-2,700 ipm
Max. Torque	1,740 in-lbs	1,740 in-lbs	1,330 in-lbs	1,330 in-lbs
Max. Torque	145 ft-lbs	145 ft-lbs	111 ft-lbs	111 ft-lbs
Tool Weight	3.7 lbs	4.6 lbs	3.7 lbs	4.6 lbs
Tool Length	5-3/4"	5-3/4"	5-3/4"	5-3/4"
Charger/Batteries	1 hour / (2) 18V XRP™ Li-Ion	1 hour / (2) 18V XRP™	1 hour / (2) 18V XRP™ Li-Ion	1 hour / (2) 18V XRP™



**LITHIUM ION**  
1/2" (13mm) 36V Cordless  
Li-Ion Impact Wrench Kit



**LITHIUM ION**  
1/2" (13mm) 18V Cordless  
XRP™ Impact Wrench Kit

### HIGH TORQUE WRENCHES

SPECIFICATIONS	DC800KL	DC821KA
Voltage	36V	18V
Drive Size	1/2"	1/2" square with detent pin retention
No Load Speed	1,400 rpm	0-2,100 rpm
Impacts/Min	2,500 ipm	0-3,000 ipm
Max. Torque	in-lbs	1,920 in-lbs
Max. Torque	325 ft-lbs	160 ft-lbs
Tool Weight	7.5 lbs	5.3 lbs
Tool Length	10-3/4"	7-5/8"
Charger/Batteries	1 hour / (2) 36V Li-Ion	1 hour / (2) 18V XRP™



**LITHIUM ION**  
3/8" (10mm) 18V Cordless  
Li-Ion Right Angle Drill Kit

### RIGHT ANGLE DRILLS/DRIVERS

SPECIFICATIONS	DCD690KL
Voltage	18V
Max Power	270 UW0
Chuck Size	3/8"
# Of Speed Settings	2
RPM	0-500/0-1,500
Chuck Type	plastic, ratcheting
Tool Weight	3.9 lbs
Charger/Batteries	30 min / (2) 18V Compact Li-Ion
Includes	screwdriver bit



**LITHIUM ION**  
18V 7/8" (22mm)  
Cordless SDS Hammer Kit



**LITHIUM ION**  
36V 1" (25mm) Cordless Li-Ion  
SDS Rotary Hammer Kit

### SDS ROTARY HAMMERS

SPECIFICATIONS	DC212KA	DC233KL
Concrete Optimum	5/32" - 1/2"	5/32" - 5/8"
Impact Energy	1.7 ft-lbs	1.9 ft-lbs
No Load Speed	0-1,100 rpm	0-1,150 rpm
Beats/Min	0-4,100 bpm	0-4,400 bpm
Chipping	No	Yes
Vibration Control	Yes - SHOCKS™	Yes - SHOCKS™
Tool Length	10.5"	10.5"
Tool Weight	7.6 lbs	7.8 lbs
Charger/Batteries	1 hour / (2) 18V XRP™	1 hour / (2) 36V Li-Ion
Warranty - Service Contract	1 Yr	1 Yr



**LITHIUM ION**  
18V Cordless XRP™  
Reciprocating Saw Kit

### RECIPROCATING SAWS

SPECIFICATIONS	DC385K
Voltage	18V
Keyless Blade Clamp	Yes
Strokes/Min	0,3000 spm
Stroke Length	1-1/8"
Electric Brake	Yes
Tool Weight	8.2 lbs
Charger/Batteries	1 hour / 18V XRP™



**LITHIUM ION**  
7-1/4" (186mm) 36V Cordless  
Li-Ion Circular Saw Kit



**LITHIUM ION**  
6-3/4" (173mm) 18V Cordless  
Metal Cutting Circular Saw Kit

### CIRCULAR SAWS

SPECIFICATIONS	DC300K	DW934K-2
Voltage	36V	18V
No Load Speed	4,000 rpm	3,200 rpm
Blade Diameter	7-1/4"	6-3/4"
Bevel Capacity	0-50°	N/A
Arbor Size	5/8"	20 mm
Depth Of Cut At 45°	1- 5/8"	N/A
Depth Of Cut At 90°	2-7/16"	2-3/8"
Tool Weight	9.9 lbs	9.5 lbs
Charger/Batteries	1 hour / 36V Li-Ion	1 hour / (2) 18V XRP™
Includes	carbide tipped blade	6-3/4" 40-tooth titanium carbide



**LITHIUM ION**  
4-1/2" 36V Cordless  
Li-Ion Cut-Off Tool Kit



**LITHIUM ION**  
4-1/2" 18V Cordless  
XRP™ Cut-Off Tool Kit

### CUT-OFF TOOLS

SPECIFICATIONS	DC415KL	DC411KA
Voltage	36V	18V
No Load Speed	6,500 rpm	6,500 rpm
Spindle Lock	Yes	Yes
Spindle Thread	5/8" -11"	5/8" -11"
Tool Weight	7.2 lbs	7.0 lbs
Use Wheels RPM Above	10,000 rpm	10,000 rpm
Charger/Batteries	1 hour / (2) 36V Li-Ion	1 hour / (2) 18V XRP™
Includes	Type 27 guard	Type 27 guard



**LITHIUM ION**  
18V Cordless  
Fluorescent Area Light

### FLASHLIGHTS

SPECIFICATIONS	DC527
Voltage	18V
Bulb	13 Watt
Run-Time	3.5 hrs
Tool Weight	1.25 lbs
Battery	sold separately

### CUT-OUT TOOLS

18V Cordless XRP™ Cut-Out Tool Kit

SPECIFICATIONS	DC550KA
Voltage	18V
No Load Speed	26,000 rpm
Collet Diameter	1/4", 1/8"
Adjustable Guide	Yes
Tool Weight	4.5 lbs
Charger/Batteries	1 hour / (2) 18V XRP™
Includes	1 general purpose bit



### VACUUMS



2 Gallon Cordless/Cordless Wet/Dry Vac

SPECIFICATIONS	DC500
Tank Size	2 gal
Hose Diameter	1-1/4"
Hose Length	5'
Voltage (DC Operation)	12-18V
Blower	Yes
Tool Weight	7.2 lbs
Charger/Batteries	sold separately
Includes	5' heavy-duty rubber hose, crevice tool and wide nozzle



## 18 VOLT COMBO KITS



**18V Cordless XRP™  
Li-Ion 4-Tool Combo Kit**



**18V Cordless XRP™  
Li-Ion 2-Tool Combo Kit**



**18V Cordless XRP™  
2-Tool Combo Kit**



**18V Cordless XRP™  
2-Tool Combo Kit**

SPECIFICATIONS	DCK475L	DCK275L	DCK255X	DCK251X
Voltage	18V	18V	18V	18V
Hammerdrill/Drill/Driver	DCD970	DCD970	DCD950	DCD950
Circular Saw	—	—	—	—
Reciprocating Saw	DC385	—	—	DC385
Impact Driver	DC827	DC827	DC825	—
Flexible Floodlight	DW919	—	—	—
Charger/Batteries	1 Hour / (2) 18V XRP™ Li-Ion	1 Hour / (2) 18V XRP™ Li-Ion	1 Hour / (2) 18V XRP™	1 Hour / (2) 18V XRP™
Includes	360° side handle and contractor bag	360° side handle and contractor bag	360° side handle and contractor bag	360° side handle and contractor bag

## RADIO CHARGER



**7.2V-18V Worksite  
Radio/Charger NiCd/NiMH**

SPECIFICATIONS	DC012
Voltage	7.2V to 18V (except Univolt)
Radio Output	79 dB
Charge Time	1 hr or less charges NiCd/NiMH
Tool Weight	14.25 lbs



**DC9360**  
36V Li-Ion



**DC9091**  
14.4V



**DC9144**  
14.4V Li-Ion



**DC9096**  
18V



**DC9180**  
18V XRP™ Li-Ion



**DC9181**  
18V Compact Li-Ion

## BATTERIES/CHARGERS



**28V/36V 1 Hour Charger**



**7.2V-18V 1 Hour Charger  
NiCd/NiMH/Li-Ion**



**7.2V-18V 1 Hour Vehicle  
Charger NiCd/NiMH/Li-Ion**



**7.2V-18V Dual Port 1 Hour  
Charger NiCd/NiMH/Li-Ion**

SPECIFICATIONS	DC9000	DC9310	DC9319	DC9320
DC9360 36V Li-Ion	60 min.	X	X	X
DC9280 28V Li-Ion	60 min.	X	X	X
DW0242 24V	X	X	X	X
DC9096 18V	X	60 min.	60 min.	60 min.
DC9180 18V XRP™ Li-Ion	X	60 min.	60 min.	60 min.
DC9181 18V Compact Li-Ion	X	30 min.	30 min.	30 min.
DC9144 14.4V Li-Ion	X	60 min.	60 min.	60 min.
DC9091 14.4V	X	60 min.	60 min.	60 min.
DC9071 12V	X	60 min.	60 min.	60 min.
DW9061 9.6V	X	45 min.	45 min.	45 min.
DW9057 7.2V	X	30 min.	30 min.	30 min.

## BOX LASERS



**Self Leveling Level, Plumb,  
& Square, 4 Beam Laser Kit**



**Laser Plumb Bob  
Kit**



**Self-Leveling Line Laser Kit  
(Horizontal and Vertical)**

SPECIFICATIONS	DW084K	DW082K	DW087K
Accuracy per 100 ft.	±1/4 in	±1/4 in	±1/8" @ 30'
Power Supply	(4) AA Alkaline batteries	(4) AA Alkaline batteries	(3) AA Alkaline batteries
Indoor Visibility Range	±100 ft	±100 ft	±50 ft
Laser Class	II (<1mW) @ 635nm	II (<1mW) @ 635nm	II (<1mW) @ 635nm
Includes	kit box	kit box	kit box

## MEASURER



**Laser Distance  
Measurer**

SPECIFICATIONS	DW030P
Operating range	100 ft
Accuracy	1/8"
Laser Class	II (<1mW) @ 635nm
Power Supply	(2) AAA Alkaline batteries



### RECIPROCATING SAWS



13.0 Amp Reciprocating Saw Kit



10.0 Amp Reciprocating Saw Kit

SPECIFICATIONS	DW311K	DW304PK
Amps	13.0 Amps	10.0 Amps
Strokes/Min	0-2,700 spm	0-2,800 spm
Stroke Length	1-1/8"	1-1/8"
Keyless Blade Clamp	Twist	Lever
4-Position Blade Clamp	No	Yes
Adjustable Shoe	Yes	Fixed
Variable-Speed Trigger	Yes	Yes
Variable-Speed Dial	Yes	No
Orbital Action	Yes	No
Anti-Slip Comfort Grip	Yes	No



7-1/4" (184mm) Worm Drive Circular Saw

### CIRCULAR SAWS

SPECIFICATIONS	DW5535/ DW5535T
Amps	15.0 Amps
Max Watts Out	2,100 W
No Load Speed	4,800 rpm
Bevel Capacity	53°
Bevel Stops	45° / 22.5°
Rear Pivot	No
Electric Brake	No
Blade Diameter	7-1/4"
Depth Of Cut At 90°	2-7/16"
Depth Of Cut At 45°	1-7/8"



Variable Speed Top-Handle Jig Saw Kit

### JIG SAWS

SPECIFICATIONS	DW331K
Amps	6.5 Amps
Strokes/Min	500-3,100 spm
Stroke Length	1"
Keyless Blade Clamp	Yes
Dust Blower	Yes
Orbital Action	4-position
Tool Weight	6.4 lbs



10" Compact Job Site Table Saw with Site-Pro™ Modular Guarding System

### TABLE SAWS

SPECIFICATIONS	DW745
Amps	15.0 Amps
No Load Speed	3,850 rpm
Blade Diameter	10"
Arbor Size	5/8"
Dust Port Diameter	2-1/2"
Depth Of Cut At 90°	3-1/8"
Depth Of Cut At 45°	2-1/4"
Max Rip To Right Of Blade	16"
Max Rip To Left Of Blade	12"



12" (305mm) Double-Bevel Sliding Compound Miter Saw



10" (254mm) Double-Bevel Sliding Compound Miter Saw



12" (305mm) Double-Bevel Compound Miter Saw

### MITER SAWS

SPECIFICATIONS	DW718	DW717	DW716
Amps	15.0 Amps	15.0 Amps	15.0 Amps
No Load Speed	3,600 rpm	4,000 rpm	3,600 rpm
Blade Diameter	12"	10"	12"
Arbor Size	5/8" or 1"	5/8"	5/8" or 1"
Vertical Capacity: Baseboard Against Fence	6-1/2"	6" Left - 3-1/2" Right"	6-1/2"
Vertical Capacity: Crown Molding Vertically Nested	6-5/8"	6 1/4"	6-5/8"
Horizontal Capacity: Baseboard Lying Flat	16"	14"	8" (10" with back fence)
Horizontal Capacity: Crown Molding Lying Flat	11-1/4"	10-3/4"	6-1/2"
45° Bevel Cut Capacity (dimensional lumber)	2x14 (2x16 with back fence)	2x12 (2x14 with back fence)	2x8 (2x10 with back fence)
90° Cross-Cut Capacity (dimensional lumber)	2x14 (2x16 with back fence)	2x12 (2x14 with back fence)	2x8 (2x10 with back fence)



### 3/8" VSR DRILLS



SPECIFICATIONS	DWD112
Chuck Size	3/8"
Keyless Chuck	Yes
Amps	7.0 Amps
No Load Speed	0-2,500 rpm
Max Watts Out	650 W
Kit Box	No
Capacity In Wood (Spade Bit)	1"
Capacity In Wood (Hole Saw)	1-1/8"
Capacity In Steel (Twist Bit)	3/8"
Tool Weight	4.1 lbs

### 1/2" VSR DRILLS



SPECIFICATIONS	DWD215G	DWD210G	DW235G
Chuck Size	1/2"	1/2"	1/2"
Amps	10.0 Amps	10.0 Amps	7.8 Amps
No Load Speed	0-1,200 rpm	0-1,200 rpm	0-850 rpm
Max Watts Out	980 W	980 W	600 W
Keyless Chuck	Yes	No	No
Capacity In Wood (Spade Bit)	1-1/2"	1-1/2"	1-1/2"
Capacity In Wood (Auger Bit)	1-1/2"	1-1/2"	1-1/8"
Capacity In Steel (Twist Bit)	1/2"	1/2"	1/2"
Capacity In Steel (Hole Saw)	2"	2"	2"
Tool Weight	5.2lbs	4.9lbs	4.2 lbs

### 1/2" SPECIALTY DRILLS



SPECIFICATIONS	DW130V
Chuck Size	1/2"
Amps	9.0 Amps
No Load Speed	0-550 rpm
Max Watts Out	600 W
Kit Box	No
Mechanical Clutch	No
Capacity In Wood (Auger Bit)	1-1/2"
Capacity In Steel (Twist Bit)	1/2"
Capacity In Steel (Hole Saw)	3"
Tool Weight	7.5 lbs

### SCREWDRIVERS



SPECIFICATIONS	DW255	DW252	DW272/W/WT	DW268	DW284
Amps	6.0 Amps	6.0 Amps	6.3 Amps	6.5 Amps	6.5 Amps
No Load Speed	0-5,300 rpm	0-4,000 rpm	0-4,000 rpm	0-2,500 rpm	0-2,500 rpm
Clutch	Standard	Standard	Standard	VERSA-CLUTCH™ System	Positive
Torque	60 in-lbs	60 in-lbs	81 in-lbs	132 in-lbs	132 in-lbs
Max Fastener Size	#8	#8	#8	#14	#14
Tool Weight	2.9 lbs	2.8 lbs	3.1 lbs	3.7 lbs	3.3 lbs

W = 50 ft. cord

WT = 50 ft. twist lock cord

### IMPACT WRENCHES



SPECIFICATIONS	DW292/K	DW294
Amps	7.5 Amps	7.5 Amps
No Load Speed	2,100 rpm	2,100 rpm
Max. Torque	345 ft-lbs	345 ft-lbs
Impacts/Min	2,700 ipm	2,700 ipm
Anvil Type	Detent Pin	Detent Pin
Tool Length	11-1/4"	11-1/4"
Tool Weight	7.0 lbs	7.0 lbs
Kit Box	No/Yes	No

## HAMMERDRILLS



1/2" VSR Pistol Grip Hammerdrill

SPECIFICATIONS	DWD520/K
Amps	10.0 Amps
Max Watts Out	980 W
No Load Speed	0-1,200 / 0-3,500 rpm
Blows/Min	0-56,000 bpm
Capacity In Steel	1/2"
Capacity In Wood	1-1/2"
Concrete Optimum	5/32" - 7/16"
Kit Box	No/Yes
Tool Length	14"
Tool Weight	6.0 lbs

## SDS ROTARY HAMMERS



1" Pistol Grip Three Mode SDS Hammer Kit



1" D-Handle SDS Rotary Hammer Kit



1" L-Shape Three Mode SDS Hammer Kit

SPECIFICATIONS	D25123K	D25223K	D25323K
Optimal Concrete Drilling	5/32" - 5/8"	5/32" - 5/8"	5/32" - 5/8"
Amps	8.0 Amps	8.0 Amps	8.0 Amps
Impact Energy	2.5 ft-lbs	2.5 ft-lbs	2.5 ft-lbs
No Load Speed	0-1,150 rpm	0-1,150 rpm	0-1,150 rpm
Blows/Min	0-4,300 bpm	0-4,300 bpm	0-4,300 bpm
Chipping	Yes	Yes	Yes
Clutch	Yes - Factory Set	Yes - Factory Set	Yes - Factory Set
Tool Length	14.2"	17.7"	12.4"
Tool Weight	5.7 lbs	7.0 lbs	7.5 lbs
Warranty - Service Contract	1 Yr	2 Yr	2 Yr

## SDS MAX ROTARY HAMMERS



1-9/16" SDS Max Rotary Hammer Kit



1-3/4" SDS Max Rotary Hammer Kit



1-7/8" SDS Max Combination Hammer Kit



2" SDS Max Combination Hammer Kit

SPECIFICATIONS	D25501K	D25602K	D25712K	D25762K
Optimal Concrete Drilling	3/8" - 1-1/4"	1/2" - 1-3/8"	1" - 1 5/8"	1" - 1-3/4"
Amps	12.0 Amps	13.5 Amps	13.0 Amps	15.0 Amps
Impact Energy	8.0 ft-lbs	9.5 ft-lbs	11.7 ft-lbs	15.0 ft-lbs
Vibration Control	No	Yes - SHOCKS™	Yes - SHOCKS™	Yes - SHOCKS™
No Load Speed	490 rpm	210 - 415 rpm	137-275 rpm	125-250 rpm
Blows/Min	3300 bpm	1,430 - 2,840 bpm	1,260-2,520 bpm	1,150-2,304 bpm
Clutch	Yes - Factory Set	Yes - 2 Stage CTC®	Yes - 2 Stage CTC®	Yes - 2 Stage CTC®
Tool Length	18.6"	18.6"	20.5"	23.0"
Tool Weight	13.55 lbs	15.1 lbs	17.5 lbs	19.2 lbs
Warranty - Service Contract	1 Yr	2 Yr	2 Yr	2 Yr

## SPLINE ROTARY HAMMERS



1-9/16" Spline Rotary Hammer Kit



1-3/4" Spline Rotary Hammer Kit

SPECIFICATIONS	D25553K	D25651K
Optimal Concrete Drilling	3/8" - 1-1/4"	1/2" - 1-3/8"
Amps	11.0 Amps	13.5 Amps
Impact Energy	8.0 ft-lbs	9.5 ft-lbs
No Load Speed	490 rpm	210 - 415 rpm
Blows/Min	3,300 bpm	1,430 - 2,846 bpm
Chipping	Yes	Yes
Clutch	Yes - Factory Set	Yes - 2 Stage CTC®
Tool Length	18.6"	18.6"
Tool Weight	14.0 lbs	15.5 lbs
Warranty - Service Contract	3 Yr / 1 Yr	3 Yr / 1 Yr

## CHIPPING HAMMERS



SDS Max Chipping Hammer Kit



Spline Chipping Hammer Kit



Large SDS Max Chipping Hammer Kit

SPECIFICATIONS	D25831K	D25851K	D25891K
Amps	13.5 Amps	13.5 Amps	15.0 Amps
Impact Energy	9.5 ft-lbs	9.5 ft-lbs	15.0 ft-lbs
Vibration Control	Yes - SHOCKS™	Yes - SHOCKS™	Yes - SHOCKS™
Blows/Min	1,430 - 2,840 bpm	1,430-2,840 bpm	1,152-2,304 bpm
Variable Impact Control Dial	Yes - 7 Settings	Yes - 7 Settings	Yes - 8 Settings
Chisel Rotation	Manual	Manual	Yes
Tool Length	18.6"	18.6"	23"
Tool Weight	13.6 lbs	14 lbs	19.0 lbs
Warranty - Service Contract	2 Yr	2 Yr	2 Yr

## PAVEMENT BREAKER

Pavement Breaker with Hammer Truck and Steel

SPECIFICATIONS	D25980K
Steel Type	1-1/8" Hex
Amps	15.0 Amps
Impact Energy	61.0 ft-lbs
Blows/Min	900 bpm
Vibration Control	Yes - SHOCKS™
Tool Length	27.5"
Tool Weight	68.3 lbs
Hand Truck	Multipurpose
Warranty - Service Contract	2 Yr



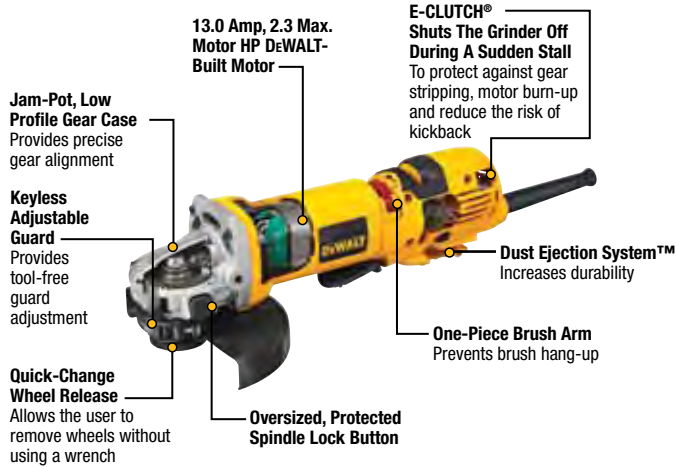
## DEMOLITION HAMMER

22 lb. SDS Max Demolition Hammer with SHOCKS®

SPECIFICATIONS	D25901K
Amps	14.0 Amps
Impact Energy	3.7-18.5 ft-lbs
Loaded Speed (BPM)	1,020-2,040 bpm
Max Watts Out	750W
Vibration Control	Yes - SHOCKS™
Chisel Rotation	One-step, 12 Positions
Tool Length	26.8"
Tool Weight	21.6 lbs
Warranty - Service Contract	2 Yr







### LARGE ANGLE GRINDERS

7" & 9" 5.3 HP Large Angle Grinder

SPECIFICATIONS	D28499X
Amps	15.0 AC/DC Amps
Max Watts Out / Horsepower	3,950 W / 5.3 HP
No Load Speed	6,000 rpm
Use Accessories RPM Above	6,000 rpm
Spindle Lock	Yes
Spindle Thread	5/8"-11
Motor Abrasion Protection	Yes
Steel-Cut Gears	Yes
Tool Length	20.7"
Tool Weight	14.5 lbs

### MEDIUM ANGLE GRINDERS

7" (180mm) Medium Angle Grinder

SPECIFICATIONS	DW840
Amps	13.0 AC/DC Amps
Max Watts Out / Horsepower	2,250 W / 3.0 HP
No Load Speed	8,000 rpm
Use Accessories RPM Above	8,000 rpm
Spindle Lock	Yes
Spindle Thread	5/8"-11
Tool Length	16.1"
Tool Weight	8.0 lbs

### SMALL ANGLE GRINDERS

4-1/2" (115mm) Small Angle Grinder

4-1/2" Small Angle Grinder w/ No Lock-On

4-1/2" (115mm) Small Angle Grinder

SPECIFICATIONS	D28402	D28402N	D28110
Amps	10.0 AC/DC Amps	10.0 AC/DC Amps	7.0 AC/DC Amps
Max Watts Out / Horsepower	1,200 W / 1.6 HP	1,200 W / 1.6 HP	800 W / 1.1 HP
No Load Speed	11,000 rpm	11,000 rpm	11,000 rpm
Use Accessories RPM Above	11,000 rpm	11,000 rpm	11,000 rpm
Spindle Thread	5/8"-11	5/8"-11	5/8"-11
Switch Type	Paddle w/ lock-on	Paddle no lock-on	Slide
Dust Ejection System	Yes	Yes	No
Tool-Free Flange System	Yes	Yes	Yes
Tool Length	11-1/4"	11-1/4"	10-3/4"
Tool Weight	4.6 lbs	4.6 lbs	4.1 lbs

### HP SMALL ANGLE TRIGGER GRIP

5" / 6" High Performance Grinder w/ No-Lock On Trigger Grip

SPECIFICATIONS	D28065N
Amps	13.0 Amps AC/DC
Max Watts Out / Horsepower	1,700 W / 2.3 HP
No Load Speed	9,000 rpm
Spindle Thread	5/8"-11
Switch Type	Trigger
Dust Ejection System™	Yes
Tool-Free Flange System	Yes
E-Clutch®/ Overload Protection	No
Tool Length	15.25"
Tool Weight	4.75 lbs

### HP SMALL ANGLE BODY GRIP

6" High Performance Cut-Off/Grinder

6" High Performance Cut-Off/Grinder

4-1/2" / 5" High Performance Grinder

SPECIFICATIONS	D28144	D28144N	D28114N
Amps	13.0 AC Amps	13.0 AC Amps	13.0 AC Amps
Max Watts Out / Horsepower	1,700 W / 2.3 HP	1,700 W / 2.3 HP	1,700 W / 2.3 HP
No Load Speed	9,000 rpm	9,000 rpm	11,000 rpm
Spindle Thread	5/8"-11	5/8"-11	5/8"-11
Switch Type	Paddle w/ lock-on	Paddle no lock-on	Paddle no lock-on
Dust Ejection System™	Yes	Yes	Yes
Tool-Free Flange System	Yes	Yes	Yes
E-Clutch®/ Overload Protection	Yes	Yes	Yes
Tool Length	13.0"	13.0"	13.0"
Tool Weight	4.6 lbs	4.6 lbs	4.6 lbs

## SHEARS



18 Gauge Swivel Head Shear

SPECIFICATIONS	DW890
Amps	5.0 AC/DC Amps
Max Watts Out	470 W
Strokes/Min	0-2,500 spm
Capacity (Mild Steel)	18 ga.
Capacity (Stainless Steel)	20 ga.
Replacement Parts-Left/Right Blade	DW8999/DW8900
Center Blade	DW8901
Tool Length	9.1"
Tool Weight	5.0 lbs

## BAND SAWS



Deep Cut Band Saw

SPECIFICATIONS	DWM120/K
Amps	10 AC Amps
Ft./Min.	100 - 350 fpm
Max Capacity (Rectangular)	5" X 4-3/4"
Max Capacity (Round)	5"
Front Handle Style	Multi Position Bale
LED Light	Yes
AC/DC Capability	No
Rubber Bumpers	Yes w/ serviceable shroud
Tool Length	21"
Tool Weight	15.0 lbs

## CHOP SAWS



14" Chop Saw w/ Quick-Change Keyless Blade Change System

SPECIFICATIONS	D28715
Amps	15.0 AC/DC Amps
No Load Speed	4,000 rpm
Horsepower	5.5 HP
Quick Lock Vise	Yes
Wheel Arbor	1"
Wheel Diameter	14"
Max Capacity (Round)	5"
Max Capacity (Rectangular)	4-1/2" x 6-1/2"
Blade Change	Quick Change
Tool Weight	39.0 lbs

## MULTI-CUTTER® SAW



14" (355mm) Multi-Cutter® Saw

SPECIFICATIONS	DW872
Amps	15.0 AC/DC Amps
No Load Speed	1,300 rpm
Spindle Lock	Yes
Quick Lock Vise	Yes
Wheel Arbor	1"
Wheel Diameter	14"
Max Capacity (Round)	5-3/16"
Max Capacity (Rectangular)	6-1/2" x 4-1/2"
Tool Length	21"
Tool Weight	47.0 lbs

## CUT-OFF MACHINES



14" (355mm) Cut-Off Machine



12" Cut-Off Machine

SPECIFICATIONS	D28755	D28754
Amps	15.0 AC/DC Amps	15.0 AC/DC Amps
No Load Speed	4,300 rpm	5,000 rpm
Depth of Cut	5"	4-1/2"
Horsepower	5.3 HP	5.3 HP
Dust Collection	Yes	No
Wheel Diameter	14"	14"
Wheel Rotation	clockwise/counter clockwise	clockwise/counter clockwise
Motor Abrasion Protection	Yes	Yes
Tool Length	21"	21"
Tool Weight	15.0 lbs	15.0 lbs

## HAND CARRY - ELECTRIC



2 Gallon, 150 PSI Max, Trim Compressor



1.1 HP Continuous 4 Gallon Compressor w/ Control Panel

SPECIFICATIONS	D55141	D55152
Horsepower	0.6 continuous HP	1.1 Continuous HP
Drive	Belt	Direct
Tank Size	2.0 gal	4 gal
Power Supply	120V, 60Hz, 8 amps., universal motor.	120V AC, 15 amps, 60 Hz, 2 pole induction motor
CFM @100 PSI	1.8 CFM	3.8 CFM
Pump Speed	2,200 rpm	3,400 rpm
Tool Length	21.25"	18.0"
Tool Width	19.0"	18.0"
Tool Height	10.5"	16.0"

## DUST MANAGEMENT



12 Gallon Dust Extractor with VCS



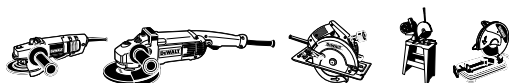
10 Gallon Dust Extractor Vacuum

SPECIFICATIONS	D27904	D27905
Tank Size	12 gal	10 gal
Amps	9 Amps	9 Amps
Max. CFM	129 CFM	129 CFM
Water Lift	83"	83"
Automatic Filter Clear	Yes	No
Size (L x H x W)	12x18x12"	12x16x12"
Decibel	70 dBA	70 dBA
Variable-Speed Dial	Yes	Yes
Power Cord	21 ft	21 ft
Hose Diameter	1-1/4"	1-1/4"
Hose Length	14'	14'
Weight	32 lbs	29 lbs

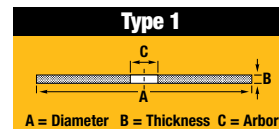
### DUST MANAGEMENT ACCESSORIES

D279042 – Paper Filter Bag for D27904	D279052 – Paper Filter Bag for D27905
D279042F – Fleece Filter Bag for D27904	D279052F – Fleece Filter Bag for D27905
D279059 – Dust Extractor 5 Piece Accessory Kit	

## TYPE 1 BONDED ABRASIVES



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>.045" Metal and Stainless Cutting</b>							
DW8850	4"	.045"	5/8"	Z60T	Metal & Stainless Cutting	15,200	25
DW8851	4-1/2"	.045"	7/8"	Z60T	Metal & Stainless Cutting	13,300	25
DW8852	5"	.045"	7/8"	Z60T	Metal & Stainless Cutting	12,200	25
DW8853	6"	.045"	7/8"	Z60T	Metal & Stainless Cutting	10,100	25
DW8854	7"	.045"	7/8"	Z60T	Metal & Stainless Cutting	8,700	25
<b>Metal Abrasive Saw Blades</b>							
DW8056	7"	1/8"	5/8"-♦	TA24T	Metal Cutting	8,700	25
<b>Metal Chop Saw Blades</b>							
DW8057	12"	7/64"	1"	TA24T	Metal Stud Cutting	5,000	10
DW8059	14"	7/64"	1"	TA24T	Metal Stud Cutting	4,300	10



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### SMALL DIAMETER CUTTING WHEELS



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>.045" Masonry Cutting</b>							
DW8071	4"	.045"	5/8"	C60T	Concrete & Masonry Cutting	15,200	25
DW8072	4-1/2"	.045"	7/8"	C60T	Concrete & Masonry Cutting	13,300	25
<b>.045" Metal Cutting</b>							
DW8061	4"	.045"	5/8"	A60T	Metal & Stainless Cutting	15,200	25
DW8062	4-1/2"	.045"	7/8"	A60T	Metal & Stainless Cutting	13,300	25
DW8063	5"	.045"	7/8"	A60T	Metal & Stainless Cutting	12,200	25
DW8725	6"	.040"	7/8"	A60T	Metal & Stainless Cutting	10,100	25
DW8726	6"	.045"	7/8"	A60T	Metal & Stainless Cutting	10,100	25
DW8065	7"	.045"	7/8"	A60T	Metal & Stainless Cutting	8,700	25
<b>Small Diameter Cutoff Wheels Metal and Stainless Cutting</b>							
DW8703	2-1/2"	.035"	1/4"	A36T	Fast Metal and Stainless Cutting	30,500	50
DW8701	2-1/2"	.035"	1/4"	A60T	Long Life Metal and Stainless Cutting	30,500	50
DW8702	2-1/2"	.035"	3/8"	A36T	Fast Metal and Stainless Cutting	30,500	50
DW8700	2-1/2"	.035"	3/8"	A60T	Long Life Metal and Stainless Cutting	30,500	50
DW8708	3"	.035"	1/4"	A36T	Fast Metal and Stainless Cutting	24,400	50
DW8706	3"	.035"	3/8"	A36T	Fast Metal and Stainless Cutting	24,400	50
DW8712	3"	.035"	3/8"	A60T	Long Life Metal and Stainless Cutting	24,400	50
DW8704	3"	1/16"	1/4"	A36T	Fast Metal and Stainless Cutting	24,400	50
DW8705	3"	1/16"	3/8"	A36T	Fast Metal and Stainless Cutting	24,400	50
DW8711	3"	1/16"	3/8"	A60T	Long Life Metal and Stainless Cutting	24,400	50
DW8710	3"	1/8"	1/4"	A24R	Metal and Stainless Grinding	24,400	50
DW8709	3"	1/8"	3/8"	A24R	Metal and Stainless Grinding	24,400	50
DW8717	4"	.035"	3/8"	A36T	Fast Metal and Stainless Cutting	19,000	25
DW8720	4"	.035"	3/8"	A60T	Long Life Metal and Stainless Cutting	19,000	25
DW8724	4"	.035"	5/8"	A60T	Long Life Metal and Stainless Cutting	19,000	25
DW8713	4"	1/16"	1/4"	A36T	Fast Metal and Stainless Cutting	19,000	25
DW8715	4"	1/16"	1/4"	A60T	Long Life Metal and Stainless Cutting	19,000	25
DW8716	4"	1/16"	3/8"	A36T	Fast Metal and Stainless Cutting	19,000	25
DW8719	4"	1/16"	3/8"	A60T	Long Life Metal and Stainless Cutting	19,000	25
DW8722	4"	1/16"	5/8"	A36T	Fast Metal and Stainless Cutting	19,000	25
DW8723	4"	1/16"	5/8"	A60T	Long Life Metal and Stainless Cutting	19,000	25
DW8718	4"	1/8"	3/8"	A24R	Metal and Stainless Grinding	19,000	25
DW8727	6"	.045"	3/8"	A60T	Long Life Metal and Stainless Cutting	13,300	25
<b>Stainless Steel Cutting Wheels CONTAMINANT FREE</b>							
DW8080	4-1/2"	1/8"	7/8"	A30S	Stainless Steel Cutting	13,300	25

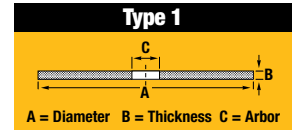


### TYPE 1 BONDED ABRASIVES (continued)

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#### CUTTING WHEELS



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>Metal Chop Saw Wheels</b>							
DW8005	10"	7/64"	5/8"	A24R	General Purpose Metal Cutting	6,100	10
DW8004	12"	7/64"	1"	A24R	General Purpose Metal Cutting	5,000	10
DW8001	14"	7/64"	1"	A24R	General Purpose Metal Cutting	4,300	10
DW8002	14"	7/64"	1"	A24S	Fabrication Cutting	4,300	10
DW8003	14"	7/64"	1"	A24T	Stud Cutting	4,300	10
DW8010	16"	7/64"	1"	A24R	General Purpose Metal Cutting	3,800	10
DW8019	20"	3/16"	1"	A24R	General Purpose Metal Cutting	3,000	10
<b>Masonry Stationary and Chop Saw Cutoff Wheels</b>							
DW8009	10"	1/8"	5/8"	C24R	Masonry Cutting	6,100	10
<b>Stainless Steel Stationary and Chop Saw Cutoff Wheels CONTAMINANT FREE</b>							
DW8015	12"	7/64"	1"	A30S	Stainless Steel Cutting	5,000	10
DW8016	14"	7/64"	1"	A30S	Stainless Steel Cutting	4,300	10
<b>Metal Cutting Abrasive Saw Blades</b>							
DW3508	6-1/2"	1/8"	5/8"-◆	A24R	Metal Cutting	9,400	25
DW3511	7"	1/8"	5/8"-◆	A24R	Metal Cutting	8,700	25
DW3531	8"	1/8"	5/8"-◆	A24R	Metal Cutting	7,600	25
<b>Masonry Cutting Abrasive Saw Blades</b>							
DW3509	6-1/2"	1/8"	5/8"-◆	C24R	Masonry Cutting	9,400	25
DW3521	7"	1/8"	5/8"-◆	C24R	Masonry Cutting	8,700	25
DW3532	8"	1/8"	5/8"-◆	C24R	Masonry Cutting	7,600	25



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#### HIGH SPEED WHEELS



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>Metal Cutting</b>							
DW8020	14"	1/8"	1"	A24R	High Speed Metal Cutting	5,500	10
DW8021	14"	1/8"	20mm	A24R	High Speed Metal Cutting	5,500	10
DW8022	12"	1/8"	1"	A24R	High Speed Metal Cutting	6,400	10
DW8023	12"	1/8"	20mm	A24R	High Speed Metal Cutting	6,400	10
<b>Masonry Cutting</b>							
DW8024	14"	1/8"	1"	C24P	High Speed Concrete Cutting	5,500	10
DW8025	14"	1/8"	20mm	C24P	High Speed Concrete Cutting	5,500	10
DW8026	12"	1/8"	1"	C24P	High Speed Concrete Cutting	6,400	10
DW8027	12"	1/8"	20mm	C24P	High Speed Concrete Cutting	6,400	10
DW8038	14"	3/16"	1" pinhole	C24P	Walk Behind Cured Concrete Cutting	4,300	10
DW8039	14"	3/16"	1" pinhole	C24N	Walk Behind Green Concrete & Asphalt Cutting	4,300	10
<b>Ductile Pipe Cutting</b>							
DW8030	14"	1/8"	1"	A24/C24P	High Speed Ductile Cutting	5,500	10
DW8031	14"	1/8"	20mm	A24/C24P	High Speed Ductile Cutting	5,500	10
DW8032	12"	1/8"	1"	A24/C24P	High Speed Ductile Cutting	6,400	10
DW8033	12"	1/8"	20mm	A24/C24P	High Speed Ductile Cutting	6,400	10
<b>Asphalt Cutting</b>							
DW8034	14"	1/8"	1"	C24N	High Speed Asphalt Cutting	5,500	10
DW8035	14"	1/8"	20mm	C24N	High Speed Asphalt Cutting	5,500	10
DW8036	12"	1/8"	1"	C24N	High Speed Asphalt Cutting	6,400	10
DW8037	12"	1/8"	20mm	C24N	High Speed Asphalt Cutting	6,400	10





## TYPE 27 BONDED ABRASIVES



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>.045" Metal and Stainless Cutting</b>							
DW8856	4"	.045"	5/8"	Z60T	Metal & Stainless Cutting	15,200	25
DW8857	4-1/2"	.045"	7/8"	Z60T	Metal & Stainless Cutting	13,300	25
DW8857H	4-1/2"	.045"	5/8"-11	Z60T	Metal & Stainless Cutting	13,300	10
DW8858	5"	.045"	7/8"	Z60T	Metal & Stainless Cutting	12,200	25
DW8858H	5"	.045"	5/8"-11	Z60T	Metal & Stainless Cutting	12,200	10
DW8859	6"	.045"	7/8"	Z60T	Metal & Stainless Cutting	10,100	25
DW8859H	6"	.045"	5/8"-11	Z60T	Metal & Stainless Cutting	10,100	10
DW8860	7"	.045"	7/8"	Z60T	Metal & Stainless Cutting	8,700	25
DW8860H	7"	.045"	5/8"-11	Z60T	Metal & Stainless Cutting	8,700	10
<b>3/32" Metal and Stainless Cutting and Notching</b>							
DW8800	4"	3/32"	5/8"	Z24R	Metal & Stainless Cutting & Notching	15,200	25
DW8804	4-1/2"	3/32"	7/8"	Z24R	Metal & Stainless Cutting & Notching	13,300	25
DW8805	4-1/2"	3/32"	5/8"-11	Z24R	Metal & Stainless Cutting & Notching	13,300	10
DW8810	5"	3/32"	7/8"	Z24R	Metal & Stainless Cutting & Notching	12,200	25
DW8811	5"	3/32"	5/8"-11	Z24R	Metal & Stainless Cutting & Notching	12,200	10
DW8816	6"	3/32"	7/8"	Z24R	Metal & Stainless Cutting & Notching	10,100	10
DW8817	6"	3/32"	5/8"-11	Z24R	Metal & Stainless Cutting & Notching	10,100	10
DW8822	7"	3/32"	7/8"	Z24R	Metal & Stainless Cutting & Notching	8,700	10
DW8823	7"	3/32"	5/8"-11	Z24R	Metal & Stainless Cutting & Notching	8,700	10
DW8828	9"	3/32"	7/8"	Z24R	Metal & Stainless Cutting & Notching	6,600	10
DW8829	9"	3/32"	5/8"-11	Z24R	Metal & Stainless Cutting & Notching	6,600	10
<b>Pipeline Cutting and Grinding</b>							
DW8801	4"	1/8"	3/8"	Z24R	Metal & Stainless Cutting & Grinding	15,200	25
DW8802	4"	1/8"	5/8"	Z24R	Metal & Stainless Cutting & Grinding	15,200	25
DW8806	4-1/2"	1/8"	7/8"	Z24R	Metal & Stainless Cutting & Grinding	13,300	25
DW8807	4-1/2"	1/8"	5/8"-11	Z24R	Metal & Stainless Cutting & Grinding	13,300	10
DW8812	5"	1/8"	7/8"	Z24R	Metal & Stainless Cutting & Grinding	12,200	25
DW8813	5"	1/8"	5/8"-11	Z24R	Metal & Stainless Cutting & Grinding	12,200	10
DW8818	6"	1/8"	7/8"	Z24R	Metal & Stainless Cutting & Grinding	10,000	10
DW8819	6"	1/8"	5/8"-11	Z24R	Metal & Stainless Cutting & Grinding	10,000	10
DW8824	7"	1/8"	7/8"	Z24R	Metal & Stainless Cutting & Grinding	8,700	10
DW8825	7"	1/8"	5/8"-11	Z24R	Metal & Stainless Cutting & Grinding	8,700	10
DW8830	9"	1/8"	7/8"	Z24R	Metal & Stainless Cutting & Grinding	6,600	10
DW8831	9"	1/8"	5/8"-11	Z24R	Metal & Stainless Cutting & Grinding	6,600	10
<b>1/4" Metal and Stainless Grinding</b>							
DW8803	4"	1/4"	5/8"	Z24R	Metal & Stainless Grinding	15,200	25
DW8808	4-1/2"	1/4"	7/8"	Z24R	Metal & Stainless Grinding	13,300	25
DW8809	4-1/2"	1/4"	5/8"-11	Z24R	Metal & Stainless Grinding	13,300	10
DW8814	5"	1/4"	7/8"	Z24R	Metal & Stainless Grinding	12,200	25
DW8815	5"	1/4"	5/8"-11	Z24R	Metal & Stainless Grinding	12,200	10
DW8820	6"	1/4"	7/8"	Z24R	Metal & Stainless Grinding	10,100	10
DW8821	6"	1/4"	5/8"-11	Z24R	Metal & Stainless Grinding	10,100	10
DW8826	7"	1/4"	7/8"	Z24R	Metal & Stainless Grinding	8,700	10
DW8827	7"	1/4"	5/8"-11	Z24R	Metal & Stainless Grinding	8,700	10
DW8832	9"	1/4"	7/8"	Z24R	Metal & Stainless Grinding	6,600	10
DW8833	9"	1/4"	5/8"-11	Z24R	Metal & Stainless Grinding	6,600	10

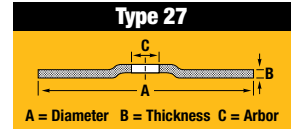


### TYPE 27 BONDED ABRASIVES *(continued)*

**HIGH**

**Performance**

#### MASONRY CUTTING & GRINDING WHEELS



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>Masonry Cutting</b>							
DW4428	4"	1/8"	5/8"	C24R	Masonry Cutting	15,200	25
DW4528	4-1/2"	1/8"	7/8"	C24R	Masonry Cutting	13,300	25
DW4552	4-1/2"	1/8"	5/8"-11	C24R	Masonry Cutting	13,300	10
DW4628	5"	1/8"	7/8"	C24R	Masonry Cutting	12,200	25
DW4658	5"	1/8"	5/8"-11	C24R	Masonry Cutting	12,200	10
DW4728	7"	1/8"	7/8"	C24R	Masonry Cutting	8,700	10
DW4758	7"	1/8"	5/8"-11	C24R	Masonry Cutting	8,700	10
DW4928	9"	1/8"	7/8"	C24R	Masonry Cutting	6,600	10
DW4929	9"	1/8"	5/8"-11	C24R	Masonry Cutting	6,600	10
<b>Masonry Grinding</b>							
DW4429	4"	1/4"	5/8"	C24R	Masonry Grinding	15,200	25
DW4524	4-1/2"	1/4"	7/8"	C24R	Masonry Grinding	13,300	25
DW4551	4-1/2"	1/4"	5/8"-11	C24R	Masonry Grinding	13,300	10
DW4629	5"	1/4"	7/8"	C24R	Masonry Grinding	12,200	25
DW4553	5"	1/4"	5/8"-11	C24R	Masonry Grinding	12,200	10
DW4554	7"	1/4"	7/8"	C24R	Masonry Grinding	8,700	10
DW4759	7"	1/4"	5/8"-11	C24R	Masonry Grinding	8,700	10
DW4557	9"	1/4"	7/8"	C24R	Masonry Grinding	6,600	10
DW4959	9"	1/4"	5/8"-11	C24R	Masonry Grinding	6,600	10



**HIGH**

**Performance**

#### STAINLESS STEEL CUTTING & GRINDING WHEELS



CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>Stainless Steel Cutting CONTAMINANT FREE</b>							
DW8452	4-1/2"	1/8"	7/8"	A30S	Stainless Cutting	13,300	25
DW8454	5"	1/8"	7/8"	A30S	Stainless Cutting	12,200	25
DW8456	7"	1/8"	7/8"	A30S	Stainless Cutting	8,700	10
DW8458	9"	1/8"	7/8"	A30S	Stainless Cutting	6,600	10
<b>Stainless Steel Grinding CONTAMINANT FREE</b>							
DW8410	4"	1/4"	5/8"	A30S	Stainless Grinding	15,200	25
DW8414	4-1/2"	1/4"	7/8"	A30S	Stainless Grinding	13,300	25
DW8415	4-1/2"	1/4"	5/8"-11	A30S	Stainless Grinding	13,300	10
DW8464	5"	1/4"	7/8"	A30S	Stainless Grinding	12,200	25
DW8416	5"	1/4"	5/8"-11	A30S	Stainless Grinding	12,200	10
DW8466	7"	1/4"	7/8"	A30S	Stainless Grinding	8,700	10
DW8417	7"	1/4"	5/8"-11	A30S	Stainless Grinding	8,700	10
DW8468	9"	1/4"	7/8"	A30S	Stainless Grinding	6,600	10
DW8419	9"	1/4"	5/8"-11	A30S	Stainless Grinding	6,600	10

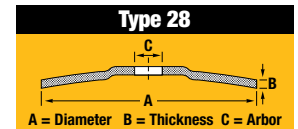


### TYPE 28 BONDED ABRASIVES

**HIGH**

**Performance**

#### GRINDING WHEELS



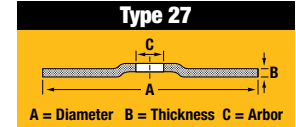
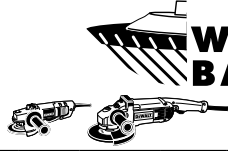
CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
<b>Metal Grinding</b>							
DW8445	7"	1/4"	7/8"	A24R	Flat Metal Grinding	8,700	10
DW8446	7"	1/4"	5/8"-11	A24R	Flat Metal Grinding	8,700	10
DW8447	9"	1/4"	7/8"	A24R	Flat Metal Grinding	6,600	10
DW8448	9"	1/4"	5/8"-11	A24R	Flat Metal Grinding	6,600	10



### TYPE 27 FLAP DISCS



**WEARABLE BACKING  
FLAP DISCS**



CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8210	4-1/2"	7/8"	Z40	13,300	10
DW8211	4-1/2"	7/8"	Z60	13,300	10
DW8212	4-1/2"	7/8"	Z80	13,300	10
DW8213	4-1/2"	7/8"	Z120	13,300	10
DW8210H	4-1/2"	5/8"-11	Z40	13,300	5
DW8211H	4-1/2"	5/8"-11	Z60	13,300	5
DW8212H	4-1/2"	5/8"-11	Z80	13,300	5
DW8213H	4-1/2"	5/8"-11	Z120	13,300	5
DW8214	5"	7/8"	Z40	12,200	10
DW8215	5"	7/8"	Z60	12,200	10
DW8216	5"	7/8"	Z80	12,200	10
DW8217	5"	7/8"	Z120	12,200	10
DW8214H	5"	5/8"-11	Z40	12,200	5
DW8215H	5"	5/8"-11	Z60	12,200	5
DW8216H	5"	5/8"-11	Z80	12,200	5
DW8217H	5"	5/8"-11	Z120	12,200	5

CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8222	6"	7/8"	Z40	10,100	10
DW8223	6"	7/8"	Z60	10,100	10
DW8224	6"	7/8"	Z80	10,100	10
DW8225	6"	7/8"	Z120	10,100	10
DW8222H	6"	5/8"-11	Z40	10,100	5
DW8223H	6"	5/8"-11	Z60	10,100	5
DW8224H	6"	5/8"-11	Z80	10,100	5
DW8225H	6"	5/8"-11	Z120	10,100	5
DW8218	7"	7/8"	Z40	8,700	10
DW8219	7"	7/8"	Z60	8,700	10
DW8220	7"	7/8"	Z80	8,700	10
DW8221	7"	7/8"	Z120	8,700	10
DW8218H	7"	5/8"-11	Z40	8,700	5
DW8219H	7"	5/8"-11	Z60	8,700	5
DW8220H	7"	5/8"-11	Z80	8,700	5
DW8221H	7"	5/8"-11	Z120	8,700	5

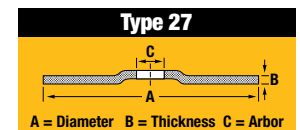


CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8250	4-1/2"	7/8"	Z40	13,300	10
DW8251	4-1/2"	7/8"	Z60	13,300	10
DW8252	4-1/2"	7/8"	Z80	13,300	10
DW8253	4-1/2"	7/8"	Z120	13,300	10
DW8254	4-1/2"	5/8"-11	Z40	13,300	5
DW8255	4-1/2"	5/8"-11	Z60	13,300	5
DW8256	4-1/2"	5/8"-11	Z80	13,300	5
DW8257	4-1/2"	5/8"-11	Z120	13,300	5
DW8258	5"	7/8"	Z40	12,200	10
DW8259	5"	7/8"	Z60	12,200	10
DW8260	5"	7/8"	Z80	12,200	10
DW8261	5"	7/8"	Z120	12,200	10
DW8262	5"	5/8"-11	Z40	12,200	5
DW8263	5"	5/8"-11	Z60	12,200	5
DW8264	5"	5/8"-11	Z80	12,200	5
DW8265	5"	5/8"-11	Z120	12,200	5

CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8274	6"	7/8"	Z40	10,100	10
DW8275	6"	7/8"	Z60	10,100	10
DW8276	6"	7/8"	Z80	10,100	10
DW8277	6"	7/8"	Z120	10,100	10
DW8274H	6"	5/8"-11	Z40	10,100	5
DW8275H	6"	5/8"-11	Z60	10,100	5
DW8276H	6"	5/8"-11	Z80	10,100	5
DW8277H	6"	5/8"-11	Z120	10,100	5
DW8266	7"	7/8"	Z40	8,700	10
DW8267	7"	7/8"	Z60	8,700	10
DW8268	7"	7/8"	Z80	8,700	10
DW8269	7"	7/8"	Z120	8,700	10
DW8270	7"	5/8"-11	Z40	8,700	5
DW8271	7"	5/8"-11	Z60	8,700	5
DW8272	7"	5/8"-11	Z80	8,700	5
DW8273	7"	5/8"-11	Z120	8,700	5



### TYPE 27 FLAP DISCS



CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8300	4"	5/8"	Z36	15,200	10
DW8302	4"	5/8"	Z60	15,200	10
DW8303	4"	5/8"	Z80	15,200	10
DW8304	4"	5/8"	Z120	15,200	10
DW8350	4-1/2"	7/8"	Z24	13,300	10
DW8351	4-1/2"	7/8"	Z40	13,300	10

CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DW8352	4-1/2"	7/8"	Z60	13,300	10
DW8353	4-1/2"	7/8"	Z80	13,300	10
DW8354	4-1/2"	7/8"	Z120	13,300	10
DW8355	4-1/2"	5/8"-11	Z24	13,300	5
DW8356	4-1/2"	5/8"-11	Z40	13,300	5
DW8357	4-1/2"	5/8"-11	Z60	13,300	5



## FLAP WHEELS

### ANGLE GRINDER FLAP WHEELS



CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DAGH1G0410	4-1/2"	5/8"-11	40	13,300	10
DAGH1G0610	4-1/2"	5/8"-11	60	13,300	10

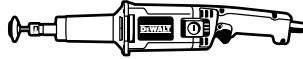
CAT #	DIA.	ARBOR	GRIT	MAX RPM	PACK
DAGH1G0810	4-1/2"	5/8"-11	80	13,300	10
DAGH1G1210	4-1/2"	5/8"-11	120	13,300	10



### HIGH

Performance

### FLAP WHEELS



CAT #	DIA.	WIDTH	ARBOR	GRIT	MAX RPM	PACK
DAFE1P0410	3/4"	3/4"	1/4" shaft	40	25,000	10
DAFE1P0610	3/4"	3/4"	1/4" shaft	60	25,000	10
DAFE1P0810	3/4"	3/4"	1/4" shaft	80	25,000	10
DAFE1P1210	3/4"	3/4"	1/4" shaft	120	25,000	10
DAFE1A0410	1"	1/2"	1/4" shaft	40	25,000	10
DAFE1A0610	1"	1/2"	1/4" shaft	60	25,000	10
DAFE1A0810	1"	1/2"	1/4" shaft	80	25,000	10
DAFE1A1210	1"	1/2"	1/4" shaft	120	25,000	10
DAFE1A1810	1"	1/2"	1/4" shaft	180	25,000	10
DAFE1A2410	1"	1/2"	1/4" shaft	240	25,000	10
DAFE1B0410	1"	1"	1/4" shaft	40	25,000	10
DAFE1B0610	1"	1"	1/4" shaft	60	25,000	10
DAFE1B0810	1"	1"	1/4" shaft	80	25,000	10
DAFE1B1210	1"	1"	1/4" shaft	120	25,000	10
DAFE1B1810	1"	1"	1/4" shaft	180	25,000	10
DAFE1B2410	1"	1"	1/4" shaft	240	25,000	10
DAFE1D0410	1-1/2"	1"	1/4" shaft	40	25,000	10
DAFE1D0610	1-1/2"	1"	1/4" shaft	60	25,000	10
DAFE1D0810	1-1/2"	1"	1/4" shaft	80	25,000	10
DAFE1D1210	1-1/2"	1"	1/4" shaft	120	25,000	10
DAFE1D1810	1-1/2"	1"	1/4" shaft	180	25,000	10
DAFE1D2410	1-1/2"	1"	1/4" shaft	240	25,000	10
DAFE1E0410	2"	1/2"	1/4" shaft	40	25,000	10
DAFE1E0610	2"	1/2"	1/4" shaft	60	25,000	10
DAFE1E0810	2"	1/2"	1/4" shaft	80	25,000	10
DAFE1E1210	2"	1/2"	1/4" shaft	120	25,000	10
DAFE1E1810	2"	1/2"	1/4" shaft	180	25,000	10
DAFE1E2410	2"	1/2"	1/4" shaft	240	25,000	10
DAFE1R0410	2"	3/4"	1/4" shaft	40	25,000	10
DAFE1R0610	2"	3/4"	1/4" shaft	60	25,000	10
DAFE1R0810	2"	3/4"	1/4" shaft	80	25,000	10
DAFE1R1210	2"	3/4"	1/4" shaft	120	25,000	10
DAFE1R1810	2"	3/4"	1/4" shaft	180	25,000	10

CAT #	DIA.	WIDTH	ARBOR	GRIT	MAX RPM	PACK
DAFE1R2410	2"	3/4"	1/4" shaft	240	25,000	10
DAFE1F0410	2"	1"	1/4" shaft	40	25,000	10
DAFE1F0610	2"	1"	1/4" shaft	60	25,000	10
DAFE1F0810	2"	1"	1/4" shaft	80	25,000	10
DAFE1F1210	2"	1"	1/4" shaft	120	25,000	10
DAFE1F1810	2"	1"	1/4" shaft	180	25,000	10
DAFE1F2410	2"	1"	1/4" shaft	240	25,000	10
DAFE1Q0410	2-1/2"	1"	1/4" shaft	40	25,000	10
DAFE1Q0610	2-1/2"	1"	1/4" shaft	60	25,000	10
DAFE1Q0810	2-1/2"	1"	1/4" shaft	80	25,000	10
DAFE1Q1210	2-1/2"	1"	1/4" shaft	120	25,000	10
DAFE1Q1810	2-1/2"	1"	1/4" shaft	180	25,000	10
DAFE1Q2410	2-1/2"	1"	1/4" shaft	240	25,000	10
DAFE1G0410	3"	1/2"	1/4" shaft	40	20,000	10
DAFE1G0610	3"	1/2"	1/4" shaft	60	20,000	10
DAFE1G0810	3"	1/2"	1/4" shaft	80	20,000	10
DAFE1G1210	3"	1/2"	1/4" shaft	120	20,000	10
DAFE1G1810	3"	1/2"	1/4" shaft	180	20,000	10
DAFE1G2410	3"	1/2"	1/4" shaft	240	20,000	10
DAFE1H0410	3"	1"	1/4" shaft	40	20,000	10
DAFE1H0610	3"	1"	1/4" shaft	60	20,000	10
DAFE1H0810	3"	1"	1/4" shaft	80	20,000	10
DAFE1H1210	3"	1"	1/4" shaft	120	20,000	10
DAFE1H1810	3"	1"	1/4" shaft	180	20,000	10
DAFE1H2410	3"	1"	1/4" shaft	240	20,000	10
DAFK1M0510	6-1/2"	1"	1"	50	5,800	10
DAFK1M0610	6-1/2"	1"	1"	60	5,800	10
DAFK1M0810	6-1/2"	1"	1"	80	5,800	10
DAFK1M1210	6-1/2"	1"	1"	120	5,800	10
DAFK1N0510	6-1/2"	2"	1"	50	5,800	10
DAFK1N0610	6-1/2"	2"	1"	60	5,800	10
DAFK1N0810	6-1/2"	2"	1"	80	5,800	10
DAFK1N1210	6-1/2"	2"	1"	120	5,800	10

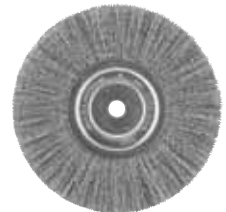


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## WIRE BRUSHES

### BENCH GRINDER BRUSHES

CAT #	DIA.	WIRE SIZE	WIRE STYLE	MATERIAL	ARBOR	WIDTH	LENGTH	MAX RPM	PACK
DW4904	6"	.014"	Crimped	Carbon	5/8"-1/2"	3/4"	1-1/8"	6,000	1
DW4905	6"	.014"	Crimped	Carbon	5/8"-1/2"	1"	1-1/8"	6,000	1
DW4906	8"	.014"	Crimped	Carbon	5/8"	3/4"	1-9/16"	4,000	1
DW4907	8"	.014"	Crimped	Carbon	5/8"	5/8"	1-9/16"	4,000	1
DW4908	10"	.014"	Crimped	Carbon	3/4"	1-9/16"	2-1/2"	3,600	1





**WIRE BRUSHES** *(continued)*
**XP EXTENDED Performance CUP BRUSHES**

CAT #	DIA.	WIRE SIZE	WIRE STYLE	MATERIAL	ARBOR	TRIM LENGTH	MAX RPM	PACK
DW49150	3"	.014"	Crimped	Carbon	5/8"-11	13/16"	14,000	6
DW49151	4"	.014"	Crimped	Carbon	5/8"-11	1-1/8"	9,000	6
DW49152	5"	.014"	Crimped	Carbon	5/8"-11	1-3/8"	8,000	4
DW49153	6"	.014"	Crimped	Carbon	5/8"-11	1-3/8"	6,600	4
DW49154	3"	.014"	Crimped	Stainless	5/8"-11	13/16"	14,000	6
DW49155	4"	.014"	Crimped	Stainless	5/8"-11	1-1/8"	9,000	6
DW49156	5"	.014"	Crimped	Stainless	5/8"-11	1-3/8"	8,000	4
DW49157	3"	.020"	Knotted	Carbon	5/8"-11	7/8"	14,000	6
DW49158	4"	.020"	Knotted	Carbon	5/8"-11	1-1/8"	9,000	6
DW49159	6"	.020"	Knotted	Carbon	5/8"-11	1-3/8"	6,600	4
DW49160	3"	.020"	Knotted	Stainless	5/8"-11	7/8"	14,000	6
DW49161	4"	.020"	Knotted	Stainless	5/8"-11	1-1/8"	9,000	6
DW49162	6"	.020"	Knotted	Stainless	5/8"-11	1-3/8"	6,600	4


**DIAMONDS**
**XP EXTENDED Performance CUP GRINDING WHEELS**


CAT #	DIA.	ARBOR	# OF ROWS	APPLICATION	MAX RPM
DW4770	4"	5/8"-11	Single	General Purpose Masonry Grinding	15,000
DW4772	4"	5/8"-11	Double	Heavy-Duty Masonry Grinding	15,000
DW4774	4-1/2"	5/8"-11	Double	Heavy-Duty Masonry Grinding	13,300
DW4771	7"	5/8"-11	Single	General Purpose Masonry Grinding	8,600
DW4773	7"	5/8"-11	Double	Heavy-Duty Masonry Grinding	8,600


**XP EXTENDED Performance SEGMENTED BLADES**


CAT #	DIA.	EDGE THICKNESS	SEGMENT HEIGHT	ARBOR SIZE	APPLICATION	MAX RPM
DW4710	4"	.250"	8mm	5/8", 7/8", 20mm	Tuck Pointing	15,200
DW4740	4-1/2"	.250"	8mm	5/8", 7/8"	Tuck Pointing	13,300
DW4711	4"	.080"	7mm	5/8", 7/8", 20mm	Masonry Cutting	15,200
DW4713	4-1/2"	.080"	7mm	5/8", 7/8"	Masonry Cutting	13,300
DW4714	7"	.095"	7mm	5/8", 7/8", Diamond	Masonry Cutting	8,700
DW4716	12"	.125"	7mm	1", 20mm	General Purpose Cutting	6,300
DW4747	12"	.125"	7mm	1", 20mm	Fast Cutting	6,300
DW4743	12"	.125"	7mm	1", 20mm	Cured Concrete Cutting	6,300
DW4745	12"	.125"	7mm	1", 20mm	Asphalt or Green Concrete Cutting	6,300
DW4742	14"	.125"	7mm	1", 20mm	General Purpose Cutting	5,400
DW4748	14"	.125"	7mm	1", 20mm	Fast Cutting	5,400
DW4744	14"	.125"	7mm	1", 20mm	Cured Concrete Cutting	5,400
DW4746	14"	.125"	7mm	1", 20mm	Asphalt or Green Concrete Cutting	5,400


**XP EXTENDED Performance TILE BLADES**


CAT #	DIA.	EDGE THICKNESS	SEGMENT HEIGHT	ARBOR SIZE	APPLICATION	MAX RPM
DW4729	4"	.060"	5mm	5/8", 7/8", 20mm	Ceramic Tile - Wet or Dry	15,200
DW4760	7"	.060"	6.5mm	5/8"	Ceramic Tile - Wet	8,700
DW4761	10"	.060"	6.5mm	5/8"	Ceramic Tile - Wet	5,400



## METAL CUTTING SAW BLADES

### FERROUS METALS

CAT #	DESCRIPTION	DIA.	TEETH	ARBOR	HOOK ANGLE	KERF	PLATE THICKNESS	TOOTH GRIND	MAX RPM
<b>Corded</b>									
DW7766	Ferrous Metal Cutting	7-1/4"	48	5/8"/Uni	0°	.079"	.063"	ATB	5,800
<b>Cordless</b>									
DW7763	Ferrous Metal Cutting	6-3/4"	40	20mm	0°	.069"	.055"	M-ATB	3,500
<b>Stationary</b>									
DW7747	Heavy Gauge Ferrous Metal Cutting	14"	70	1"	0°	.087"	.071"	M-ATB	1,800
DW7737	Heavy Gauge Ferrous Metal Cutting	12"	60	1"	0°	.087"	.071"	M-ATB	1,800
DW7745	Light Gauge Ferrous Metal Cutting	14"	90	1"	0°	.087"	.071"	M-ATB	1,800
DW7739	Stainless Steel Metal Cutting	12"	80	1"	0°	.087"	.071"	M-ATB	1,800
DW7749	Stainless Steel Metal Cutting	14"	90	1"	0°	.087"	.071"	M-ATB	1,800



## PORTABLE CONSTRUCTION SAW BLADES

### CARBIDE TIPPED

CAT #	DESCRIPTION	DIA.	TEETH	ARBOR	HOOK ANGLE	KERF	PLATE THICKNESS	TOOTH GRIND
DW3161	Thin Kerf Circular Saw Blade	6-1/2"	18	5/8" rd	+25°	.071"	.045"	ATB
DW3171	Thin Kerf Circular Saw Blade	7-1/4"	16	5/8" rd	+25°	.071"	.045"	ATB
DW3192	Thin Kerf Circular Saw Blade	7-1/4"	18	5/8" rd	+15°	.071"	.045"	ATB
DW3592B10	Thin Kerf Circular Saw Blade (Bulk)	7-1/4"	18	5/8" rd	+15°	.071"	.045"	ATB
DW3174	Pressure Treated/Wet Lumber	7-1/4"	20	5/8" rd	+25°	.071"	.045"	ATB
DW3178	Thin Kerf Framing Blade	7-1/4"	24	5/8" rd	+18°	.071"	.045"	ATB
DW3578B10	Thin Kerf Framing Blade (Bulk)	7-1/4"	24	5/8" rd	+18°	.071"	.045"	ATB
DW3599	Ultra Thin Kerf Framing	7-1/4"	24	5/8" rd	+18°	.065"	.039"	ATB
DW3599B10	Ultra Thin Kerf Framing Blade (Bulk)	7-1/4"	24	5/8" rd	+18°	.065"	.041"	ATB
DW3176	Thin Kerf Circular Saw Blade	7-1/4"	36	5/8" rd	+15°	.071"	.045"	ATB
DW3576B10	Thin Kerf Circular Saw Blade (Bulk)	7-1/4"	36	5/8" rd	+15°	.071"	.045"	ATB
DW3182	Framing Blade	8-1/4"	24	5/8" rd	+20°	.076"	.050"	ATB
DW3582B10	Thin Kerf Circular Saw Blade (Bulk)	8-1/4"	24	5/8" rd	+20°	.076"	.050"	ATB
DW3184	Thin Kerf Circular Saw Blade	8-1/4"	40	5/8" rd	+15°	.076"	.050"	ATB



### HARDIPLANK

CAT #	DESCRIPTION	DIA.	TEETH	ARBOR	HOOK ANGLE	KERF
DW3193	PCD Diamond Fiber Cement Blade	7-1/4"	6	5/8"	-5°	.090"

### NAIL CUTTING

CAT #	DESCRIPTION	DIA.	TEETH	ARBOR	HOOK ANGLE	KERF	PLATE THICK-NESS	TOOTH GRIND
DW3191	Nail Cutting Circular Saw Blade	7-1/4"	18	5/8" rd	+15°	.071"	.045"	ATB
DW3591B10	Nail Cutting Circular Saw Blade (Bulk)	7-1/4"	18	5/8" rd	+15°	.071"	.045"	ATB



## PRECISION TRIM SAW BLADES

### PRECISION TRIM

CAT #	DESCRIPTION	DIA.	TEETH	ARBOR	HOOK ANGLE	KERF	PLATE THICK-NESS	TOOTH GRIND	MAX RPM
DW7118PT	Premium Finish	8-1/2"	60	5/8"	-5°	.094"	.063"	ATB	9,000
DW7124PT	Fast Ripping	10"	24	5/8"	+20°	.098"	.071"	FT	6,000
DW7140PT	General Purpose	10"	40	5/8"	+20°	.098"	.071"	ATB	6,000
DW7150PT	Combination	10"	50	5/8"	+15°	.098"	.071"	ATB+R	6,000
DW3215PT	Smooth Crosscutting	10"	60	5/8"	+7°	.098"	.071"	ATB	6,000
DW3218PT	Ultra Fine Finish	10"	80	5/8"	+7°	.098"	.071"	ATB	6,000
DW3216PT	Smooth Crosscutting	12"	60	1"	+7°	.102"	.079"	ATB	4,800
DW3232PT	Ultra Fine Finish	12"	80	1"	+7°	.102"	.079"	ATB	4,800
DW72100PT	Ultra Miter	12"	100	1"	-5°	.102"	.079"	ATB+R	4,800
<b>Non-Ferrous</b>									
DW7119PT	Non-Ferrous	8-1/2"	60	5/8"	-5°	.094"	.063"	TCG	9,000
DW3219PT	Plastic	10"	80	5/8"	-5°	.098"	.071"	TCG	6,000
DW7296PT	Fine Trim	12"	96	1"	-5°	.102"	.079"	TCG	4,800



## HOLE SAWS

### BI-METAL HOLE SAWS

CAT #	SIZE Inches	SIZE Metric	MAX SPEED
D180009	9/16"	14mm	550
D180010	5/8"	16mm	530
D180011	11/16"	17mm	500
D180012	3/4"	19mm	460
D180098	-	20mm	425
D180013	13/16"	21mm	425
D180014	7/8"	22mm	390
D180015	15/16"	24mm	370
D180016	1"	25mm	350
D180017	1-1/16"	27mm	325
D180018	1-1/8"	29mm	300
D180019	1-3/16"	30mm	285
D180020	1-1/4"	32mm	275

CAT #	SIZE Inches	SIZE Metric	MAX SPEED
D180021	1-5/16"	33mm	260
D180022	1-3/8"	35mm	250
D180023	1-7/16"	37mm	240
D180024	1-1/2"	38mm	230
D180025	1-9/16"	40mm	220
D180026	1-5/8"	41mm	210
D180027	1-11/16"	43mm	205
D180028	1-3/4"	44mm	195
D180029	1-13/16"	46mm	190
D180030	1-7/8"	48mm	180
D180032	2"	51mm	170
D180033	2-1/16"	52mm	165

CAT #	SIZE Inches	SIZE Metric	MAX SPEED
D180034	2-1/8"	54mm	160
D180036	2-1/4"	57mm	150
D180038	2-3/8"	60mm	140
D180040	2-1/2"	64mm	135
D180041	2-9/16"	65mm	130
D180042	2-5/8"	67mm	130
D180043	-	68mm	125
D180044	2-3/4"	70mm	125
D180046	2-7/8"	73mm	120
D180048	3"	76mm	115
D180050	3-1/8"	79mm	110
D180052	3-1/4"	83mm	105
D180054	3-3/8"	86mm	100

CAT #	SIZE Inches	SIZE Metric	MAX SPEED
D180056	3-1/2"	89mm	95
D180058	3-5/8"	92mm	95
D180060	3-3/4"	94mm	90
D180062	3-7/8"	98mm	85
D180064	4"	102mm	85
D180066	4-1/8"	105mm	85
D180068	4-1/4"	108mm	80
D180072	4-1/2"	114mm	75
D180076	4-3/4"	121mm	70
D180080	5"	127mm	65
D180088	5-1/2"	140mm	60
D180096	6"	152mm	55



## RECIPROCATING SAW BLADES

### METAL CUTTING RECIPROCATING SAW BLADES



CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>2 Packs</b>			
DW4808-2	6"	14	Straight
DW4810-2	4"	18	Straight
DW4811-2	6"	18	Straight
DW4813-2	6"	24	Straight
<b>5 Packs</b>			
DW4807	4"	14	Straight
DW4808	6"	14	Straight
DW4809	8"	14	Straight
DW4838	12"	14	Straight
DW4810	4"	18	Straight
DW4811	6"	18	Straight

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>5 Packs (continued)</b>			
DW4821	8"	18	Straight
DW4812	4"	24	Straight
DW4813	6"	24	Straight
DW4846L	9"	10/14	Straight
<b>25 Packs</b>			
DW4807B25	4"	14	Straight
DW4808B25	6"	14	Straight
DW4809B25	8"	14	Straight
DW4810B25	4"	18	Straight
DW4811B25	6"	18	Straight
DW4821B25	8"	18	Straight

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>25 Packs (continued)</b>			
DW4822B25	12"	18	Straight
DW4812B25	4"	24	Straight
DW4813B25	6"	24	Straight
<b>100 Packs</b>			
DW4807B	4"	14	Straight
DW4808B	6"	14	Straight
DW4809B	8"	14	Straight
DW4811B	6"	18	Straight
DW4821B	8"	18	Straight
DW4813B	6"	24	Straight



### WOOD CUTTING RECIPROCATING SAW BLADES

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>2 Packs</b>			
DW4802-2	6"	6	Taper
DW4804-2	12"	6	Taper
DW4847-2	6"	5/8	Taper
<b>5 Packs</b>			
DW4801	6"	3	Taper
DW4802	6"	6	Taper
DW4803	9"	6	Taper
DW4804	12"	6	Taper
DW4847	6"	5/8	Taper
DW4848	9"	5/8	Taper
DW4849	12"	5/8	Taper
DW4850	6"	6	Straight

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>25 Packs</b>			
DW4802B25	6"	6	Taper
DW4803B25	9"	6	Taper
DW4804B25	12"	6	Taper
DW4847B25	6"	5/8	Taper
<b>100 Packs</b>			
DW4802B	6"	6	Taper
DW4803B	9"	6	Taper
DW4804B	12"	6	Taper

### MULTI-MATERIAL RECIPROCATING SAW BLADES

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>2 Packs</b>			
DW4806-2	6"	10	Straight
DW4845-2	6"	10/14	Straight
<b>5 Packs</b>			
DW4845	6"	10/14	Straight
DW4846	9"	10/14	Straight
<b>25 Packs</b>			
DW4806B25	6"	10	Straight
DW4845B25	6"	10/14	Straight
DW4846B25	8"	10/14	Straight
DW4839B25	12"	10/14	Straight
<b>100 Packs</b>			
DW4806B	6"	10	Straight
DW4845B	6"	10/14	Straight
DW4846B	8"	10/14	Straight
DW4839B	12"	10/14	Straight

### DEMOLITION RECIPROCATING SAW BLADES



CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>5 Packs</b>			
DW4862	6"	6	Taper
DW4863	9"	6	Taper
DW4860	12"	6	Taper
DW4861	4"	10	Straight
DW4864	6"	10	Straight
DW4865	9"	10	Straight
DW4870	12"	10	Straight
DW4866	6"	14	Straight
DW4868	9"	14	Straight
DW4867	6"	18	Straight
DW4869	9"	18	Straight
DW4871	12"	18	Straight

CAT #	BLADE LENGTH	TPI	BLADE TYPE
<b>25 Packs</b>			
DW4863B25	9"	6	Taper
DW4864B25	6"	10	Straight
DW4865B25	9"	10	Straight
DW4868B25	9"	14	Straight
<b>100 Packs</b>			
DW4863B	9"	6	Taper
DW4864B	6"	10	Straight
DW4865B	9"	10	Straight
DW4866B	6"	14	Straight
DW4868B	9"	14	Straight



### 18 VOLT CORDLESS TOOLS

#### *SDS Plus Rotary Hammer, 18V Li-Ion, 3.0Ah*

DH18DL

Shank ..... SDS Plus  
Impact Energy ..... 1.0 ft/lb  
Battery Ah..... 3.0  
Battery Type..... Lithium Ion  
Length..... 9-15/16"  
Weight ..... 5.1 lb



#### *1/2" Driver Drill, 18V Li-Ion, 3.0Ah*

DS18DL

Chuck Size ..... Keyless 1/2"  
No-Load Speed ..... 0-200/400/  
900/1800 RPM  
Battery Ah..... 3.0  
Battery Type..... Lithium Ion  
Weight ..... 4.6 lb



#### *Impact Driver, 18V Li-Ion, 3.0Ah*

WH18DL

Drive ..... 1/4" Hex  
No-Load Speed .... 0-2,600 RPM  
Battery Ah..... 3.0  
Battery Type..... Lithium Ion  
Length..... 6-3/8"  
Weight ..... 3.5 lb



#### *Reciprocating Saw, 18V Li-Ion, 3.0Ah*

CR18DL

Stroke ..... 1-1/8"  
No-Load Speed ..... 0-2,100 SPM  
Battery Ah..... 3.0  
Battery Type..... Lithium Ion  
Length..... 18-3/16"  
Weight ..... 7.5 lb



#### *4-1/2" Grinder, 18V Li-Ion, 3.0Ah*

G18DL

Wheel Diameter ..... 4-1/2"  
Switch Type.....Slide  
No-Load Speed..... 9,100 RPM  
Battery Ah. .... 3.0  
Battery Type..... Lithium Ion  
Length..... 12-25/32"  
Weight..... 4.2 lb



#### *4-piece Combo Kit, 18V Li-Ion, 3.0Ah*

KC18DBL



#### **Includes:**

18V 1/2" Hammer Drill..... DV18DL  
18V Reciprocating Saw..... CR18DL  
18V Circular Saw..... C18DL  
14.4V/18V 2-Mode Lantern..... UB18DL  
Universal Charger..... UC18YRL  
3.0Ah Li-Ion Batteries (x2) EBM1830..... 326241  
Carrying Case..... EP9004  
Wrench Hex ..... 944458  
Wrench (4mm)..... 940543  
Rip Guide..... 302756

### CORDED DRILLS



	D10VH	D10VF	D13VF	D13
Chuck	3/8" Keyless	3/8"	1/2"	1/2"
No-Load Speed	0-2,500 RPM	0-3,000 RPM	0-850 RPM	550 RPM
Max Torque	108.1 in-lb	139 in-lb	416.6 in-lb	477.4 in-lb
Amps	6.0	9.0	9.0	6.2
Weight	3.1 lb	4.0 lb	4.6 lb	7

### Drywall Screwdriver 6.6 Amp

W6V4



Bit Shank ..... 1/4" Hex  
No-Load Speed ..... 0-4,500 RPM  
Clutch ..... Silent Clutch  
Amps ..... 6.6  
Weight ..... 3.1 lb

### SuperDrive Kit VSR 4,500 rpm

W6V4SD - Collated Screw System

Bit Shank ..... 1/4" Hex  
No-Load Speed ..... 0-4,500 RPM  
Clutch ..... Silent Clutch  
Amps ..... 6.6  
Weight ..... 3.1 lb w/o Extension



### 1/2" Impact Wrench Square Drive

WR16SA



Drive ..... 1/2" Square  
No-Load Speed ..... 1,900 RPM  
Impact Rate ..... 2,100 ipm  
Amps ..... 4.2  
Weight ..... 6.2 lb

### 3/4" Impact Wrench Square Drive

WR22SA



Drive ..... 3/4" Square  
No-Load Speed ..... 1,800 RPM  
Impact Rate ..... 2,000 ipm  
Amps ..... 7.5  
Weight ..... 10.6 lb



### ROTARY HAMMERS



	DH24PF3	DH38YE	DH40MRY
Shank	15/16" SDS Plus	1-1/2" Spline	1-9/16" SDS Max
No-Load Speed	0-1,150 RPM	380 RPM	240-480 RPM
Power Input	800 W	870 W	950 W
Mode	3-Mode	2-Mode	2-Mode
Amps	7.0	8.0	9.2
Weight	5.3 lb	17.0 lb	15.0 lb

### DEMOLITION HAMMERS



	H45MRY	H65SD2
Shank	SDS Max	1-1/8" Hex
Impact Rate	3,000 BPM	1,400 BPM
Power Input	950 W	1,240 W
Amps	9.5	10.8
Weight	13.0 lb	40.8 lb

### 70 lb Breaker

H90SE



Bit Type	1-1/8" Hex, Collared or Slotted
Power Input	1,450 W
Impact Rate	850 BPM
Amps	13.3
Length (retainer extended)	33-13/16"
Weight	70.5 lb



**C7BMR**



**C7SB2**

Blade Diameter	7-1/4"
Max Watts Out	2,100 W
No-Load Speed	5,800 RPM
Bevel Capacity	55°
Amps	15.0
Weight	10.5 lb

Blade Diameter	7-1/4"
Max Watts Out	2,100 W
No-Load Speed	5,800 RPM
Bevel Capacity	55°
Amps	15.0
Weight	10.1 lb

### Low Vibration Reciprocating Saw

CR13VBY



Amps	12
No-Load Speed	0-3,000 SPM
Stroke Length	1-1/4"
Weight	9.7 lb

### Reciprocating Saw

CR13V



Amps	10
No-Load Speed	0-2,800 SPM
Stroke Length	1-1/8"
Weight	7.3 lb

### Jig Saw Electronic Variable Speed, Orbital

CJ110MV

Amps	5.8
No-Load Speed	850-3,000 SPM
Stroke Length	1"
Orbital Action	4-Stage
Keyless Blade Clamp	Yes
Dust Blower	Yes
Weight	4.9 lb





### SLIDING MITER SAWS

**Sliding Compound Miter Saw Twin Rail**  
C8FB2



Blade Diameter .....	8-1/2"
No-Load Speed .....	4,900 RPM
Bevel Angle Range .....	Left 0-47°
Amps .....	9.5
Weight .....	38.6 lb

**Dual Compound Miter Saw with Laser Marker**  
C10FSH



Blade Diameter .....	10"
No-Load Speed .....	3,800 RPM
Bevel Angle Range .....	Right and Left 0-45°
Amps .....	12.0
Weight .....	43.0 lb

### GRINDERS



**G10SR3**



**G12SR3**



**G12SE2**

Wheel Diameter	4"
Switch Type	Slide
No-Load Speed	10,000 RPM
Max Watts Out	950 W
Amps	6.0
Weight	3.1 lb

Wheel Diameter	4-1/2"
Switch Type	Slide
No-Load Speed	10,000 RPM
Max Watts Out	950 W
Amps	6.0
Weight	3.1 lb

Wheel Diameter	4-1/2"
Switch Type	Paddle
No-Load Speed	10,000 RPM
Max Watts Out	1,900 W
Amps	9.5
Weight	4.2 lb



**G18SCY**

**G23SCY**

Wheel Diameter	7"
Switch Type	Trigger
No-Load Speed	6,000 RPM
Max Watts Out	3,500 W
Amps	15.0
Weight	11.2 lb

Wheel Diameter	9"
Switch Type	Trigger
No-Load Speed	6,000 RPM
Max Watts Out	3,500 W
Amps	15.0
Weight	11.2 lb



**G18SCY**



**G23SCY**

### PORTABLE CUT-OFF SAWS

*Cut-Off Saw AC/DC*



**CC12Y**

*Chop Saw*



**CC14SF**

*Dry Cutting Saw for Metal*



**CD14F**

Wheel Diameter	12"
Motor	Single Phase 115V AC/DC 60Hz
No-Load Speed	5,000 RPM
Amps	15.0
Weight	23.1 lb

Wheel Diameter	14"
Motor	Single-Phase AC 60Hz
No-Load Speed	3,800 RPM
Amps	15.0
Weight	36.4 lb

Wheel Diameter	14"
Motor	2.5 hp
No-Load Speed	1,490 RPM
Amps	15.0
Weight	52.9 lb

3

### FRAMING NAILERS



**NR83A2**



**NR83AA3**



**NR90AE**



**NR90AD**

	<b>NR83A2</b>	<b>NR90AE</b>	<b>NR83AA3</b>	<b>NR90AD</b>
Fastener Type	Full Round-Head Plastic Strip Collation	Full Round Head Plastic Strip Collation	Clipped Head Paper Strip Collation	Clipped Head Paper Strip Collation
Magazine Angle	20°	20°	34°	35°
Fastener Length Capacity	2" – 3-1/4"	2" – 3-1/2"	2" – 3-1/4"	2" – 3-1/2"
Fastener Diameter Range	.113 to .131	.113 to .148	.113- .131	.113 to .148
Magazine Capacity	64-70	64	86-94	86 (.131)
Magazine Loading	Top	Rear	Rear	Rear
Actuation	Selective (Sequential/Contact)	Selective (Sequential/Contact)	Selective (Sequential/Contact)	Selective (Sequential/Contact)
Weight	7.9 lb	7.5 lb	8.4 lb	7.0 lb

### GAS FRAMING NAILERS

- Operates on fuel cell and cordless battery; no hoses, no compressors
- Battery indicator light, and one hour charge time maximize efficiency
- Integrated, collapsible rafter hook frees up your hands when not fastening
- Drives up to 2 nails per second and 1000 per hour



NR90GR



NR90GC

	NR90GR	NR90GC
Fastener Type	Full Round Head Plastic Strip Collation	Clipped Head Paper Strip Collation
Magazine Angle	20°	35°
Fastener Length Capacity	2" – 3-1/2"	2" – 3-1/2"
Fastener Diameter Range	.113 – .131	.120 – .131
Magazine Capacity	1 Strip	1 Strip
Magazine Loading	Rear	Rear
Actuation	Sequential	Sequential
Weight	7.9 lb	7.7 lb

### SPECIALTY NAILERS



Roofing Nailer  
NV45AB2



Strap-Tite Fastening System  
NR65AK



Cap Nailer  
NV50AP3



Siding Nailer  
NV65AH

	NV45AB2	NR65AK	NV50AP3	NV65AH
Fastener Type	Coil Wire Collation	Strap-Tite Paper Strip Collation	Full Round Head Coil, Wire Collation	Coil, Wire/Plastic Sheet Collation
Magazine Angle	16°	36°	16°	16°(Wire) 15°(Plastic)
Fastener Length Capacity	7/8" to 1-3/4"	1-1/2" – 2-1/2"	7/8" – 2"	1-1/2" – 2-1/2"
Fastener Diameter Range	.120	.131-.162	.083	.090 – .099
Magazine Capacity	120	44	350 Nails, 350 Caps	200 – 300
Magazine Loading	Side	Rear	Nails Side, Caps Rear	Bottom
Actuation	Contact Optional Sequential	Sequential	Selective (Sequential/Contact)	Contact Optional Sequential
Weight	5.5 lb	5.7 lb	5.52 lb	4.6 lb

### COIL SIDING NAILERS

- Easy side load pop-out magazine
- Tool-less depth adjustment
- Comfortable, long-lasting rubber grip

	NV75AG	NV83A2
Fastener Type	Coil, Wire/Plastic Sheet Collation	Full Round Head Coil Wire Collation
Magazine Angle	16°(Wire) 15°(Plastic)	16°
Fastener Length Capacity	1-3/4" – 3"	2" – 3-1/4"
Fastener Diameter Range	.090 to .131	.099" to .131"
Magazine Capacity	200 – 300	200 – 300
Magazine Loading	Side	Side
Actuation	Contact,Optional Sequential	Contact,Optional Sequential
Weight	5.5 lb	8.2 lb



Utility Nailer  
NV75AG



Framing Nailer  
NV83A2

### FINISH NAILERS



NT65M2



NT65MA3



NT50AE2

Fastener Type	16 Gauge Finish Nails	15-Gauge Finish Nails	18-Gauge Finish Nails
Magazine Angle	Straight	34°	Straight
Fastener Length Capacity	1" – 2-1/2"	1-1/4" - 2-1/2"	5/8" - 2"
Magazine Capacity	100	100	100
Magazine Loading	Top	Rear	Side
Air Duster	Yes	Yes	No
Actuation	Selective (Sequential/Contact)	Selective (Sequential/Bump)	Selective (Sequential/Bump)
Weight	3.7 lb	4.2 lb	2.2 lb

### Narrow Crown Stapler

N3804AB3

Fastener Type	18-Gauge Narrow Crown 1/4"
Fastener Length Capacity	1/2" - 1-1/2"
Magazine Capacity	130 Staples
Actuation	Selective (Sequential/Bump)
Jam Clearing	Yes (Front Lever)
Weight	2.3 lb





### COMPRESSORS



**Portable 2 HP Electric Air Compressor**

EC12



**Portable 1.6 HP Electric Air Compressor**

EC119SA

Power Output .....	2 HP
Amps .....	14.5
Power Supply .....	110 V
Tank Capacity .....	4.0 gal
Lubrication .....	Oil
Start/Stop Control .....	100/125 psi
Recovery Time .....	14 sec
Weight .....	60.0 lb

Power Output .....	1.6 HP
Amps .....	15.0
Power Supply .....	120 V
Tank Capacity .....	4.0 gal
Lubrication .....	Oil
Start/Stop Control .....	105/135 psi
Recovery Time .....	12 sec
Weight .....	63.7 lb

### GENERATORS



**8 HP 4,300 Watt Generator**

E43



**11 HP 6,000 Watt Generator**

E60

Max Power Output .....	4,300 Watts
Rated Power Output .....	3,800 Watts
Rated Current at 120V .....	31.7 amps
Rated Current at 240V .....	15.9 amps
120V GFCI Receptacles .....	4
120V Twist Lock (30A) .....	1
120V/240V .....	1 (20A)
Fuel Tank Capacity .....	5 Gal
Dry Weight .....	157.0 lb

Max Power Output .....	6,000 Watts
Rated Power Output .....	5,000 Watts
Rated Current at 120V .....	41.7 amps
Rated Current at 240V .....	20.8 amps
120V GFCI Receptacles .....	4
120V Twist Lock (30A) .....	2
120V/240V .....	1 (30A)
Fuel Tank Capacity .....	5 Gal
Dry Weight .....	181.0 lb



**W780**  
4 1/2" Angle Grinder



**WP780**  
4 1/2" Angle Grinder



**W8-115 Kit**  
4 1/2" Angle Grinder



**W8-115**  
4 1/2" Angle Grinder



**W8-115 Quick**  
4 1/2" Angle Grinder

Order #	606701420	606711420	600259850	600259420	600264420
Maximum wheel diameter	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
No-load speed (RPM)	11000	11000	10000	10000	10000
Amps	7.1	7.2	8.0	8.0	8.0
Rated input watts	780	780	850	850	850
Arbor size	7/8"	7/8"	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Tool weight	4.7 lb	4.7 lb	5.4 lb	5.4 lb	5.4 lb
Shipping weight	6.0 lb	6.1 lb	9.6 lb	6.3 lb	6.2 lb
Length	10 7/8"	10 7/8"	11 3/4"	11 3/4"	11 3/4"
Carrying case	344454180 (optional)	344454180 (optional)	344454180 (standard)	344454180 (optional)	344454180 (optional)
Description	<ul style="list-style-type: none"> <li>• Spindle lock</li> <li>• Low profile aluminum die-cast gear housing</li> <li>• Ergonomic side handle</li> <li>• Switch with lock on capability</li> <li>• Burst-proof guard</li> <li>• Auto-stop carbon brushes</li> </ul>	<ul style="list-style-type: none"> <li>• Spindle lock</li> <li>• Non-locking paddle switch</li> <li>• Low profile aluminum die-cast gear housing</li> <li>• Ergonomic side handle</li> <li>• Switch with lock on capability</li> <li>• Burst-proof guard</li> <li>• Auto-stop carbon brushes</li> </ul>	<ul style="list-style-type: none"> <li>• Switch with lock on capability</li> <li>• Spindle lock</li> <li>• Tool-less guard adjustment</li> <li>• 2-position side handle</li> <li>• Auto stop carbon brushes</li> <li>• Safety slip clutch</li> <li>• Winding protection grid</li> </ul>	<ul style="list-style-type: none"> <li>• Switch with lock on capability</li> <li>• Spindle lock</li> <li>• Tool-less guard adjustment</li> <li>• 2-position side handle</li> <li>• Auto stop carbon brushes</li> <li>• Safety slip clutch</li> <li>• Winding protection grid</li> </ul>	<ul style="list-style-type: none"> <li>• Switch with lock on capability</li> <li>• Spindle lock</li> <li>• Tool-less guard adjustment</li> <li>• 2-position side handle</li> <li>• QUICK wheel change system</li> <li>• Safety slip clutch</li> <li>• Winding protection grid</li> </ul>



**WE14-150 Quick Electronic**  
5/ 6" Angle Grinder



**WEP14-150 Quick "Deadman"**  
Electronic 6" Angle Grinder/Cut-off  
Non-locking paddle switch



**W24-230**  
9" Angle Grinder

Order #	600160420	600290420	606448420
Maximum wheel diameter	6"	6"	9"
No-load speed (RPM)	9000	9000	6600
Amps	12.2	12.2	15.0
Rated input watts	1450	1450	2400
Arbor size	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11
Tool weight	6.1 lb	6.1 lb	13.6 lb
Shipping weight	7.6 lb	7.6 lb	17.3 lb
Length	12.25"	12.25"	18"
Carrying case	656304000 (optional)	656304000 (optional)	623874000 (optional)
Description	<ul style="list-style-type: none"> <li>• Switch with lock-on capability</li> <li>• Spindle lock</li> <li>• 2 position side handle</li> <li>• Current interruption protection</li> <li>• Electronic speed stabilization</li> <li>• QUICK wheel change system</li> <li>• Winding protection grid</li> <li>• Safety slip clutch</li> <li>• Current interruption protection</li> </ul>	<ul style="list-style-type: none"> <li>• Non-locking paddle switch</li> <li>• Spindle lock</li> <li>• 2 position side handle</li> <li>• Current interruption protection</li> <li>• Electronic speed stabilization</li> <li>• QUICK wheel change system</li> <li>• Winding protection grid</li> <li>• Safety slip clutch</li> <li>• Current interruption protection</li> </ul>	<ul style="list-style-type: none"> <li>• Spindle lock</li> <li>• Anti-vibration (3 position) side handle</li> <li>• Switch with lock-on capability</li> <li>• Twister 3 position rear handle for cutting/grinding</li> <li>• Toolless guard adjustment</li> <li>• Double winding protection grid</li> <li>• Safety lock-out switch</li> <li>• AC/DC operation</li> </ul>



**BHE 2243**  
7/8" SDS Rotary  
Hammer

**604480420**



**KHE-D24 1" SDS**  
Rotary Hammer  
w/Rotostop

**600223420**



**KHE-D28**  
1 1/8" SDS Rotary  
Hammer w/Rotostop

**600224420**



**KHE56**  
1 1/2" - 1 3/4" SDS-Max  
Rotary Hammer

**600340420**



**SBE710**  
1/2" Hammer Drill

**600862620**

Order #	604480420	600223420	600224420	600340420	600862620
Drilling Capacity:					
- concrete using solid bits	7/8"	1"	1 1/8"	1 3/4"	3/4"
- mild steel	1/2"	1/2"	1/2"	concrete using core bits - 4"	1/2"
- softwood	13/16"	1 3/16"	1 9/16"		1 9/16"
No-load Speed RPM	0-1,150	0-1,000	0-1,000	0-450	0-1,000/3,000
No load BPM	0-5,400	0-4,600	0-4,600	0-2,840	0-59,000
Amps	6.0	5.6	8.2	14.0	5.8
Rated Input Watts	800	720	1010	1300	710
Description	<ul style="list-style-type: none"> <li>• Variospeed (V) electronics</li> <li>• Suitable for chiseling work</li> <li>• Long lasting motor</li> <li>• Metabo slip clutch</li> <li>• Aluminum die-cast gear housing</li> <li>• Winding protection grid</li> <li>• Reversing switch</li> <li>• Winding protection grid</li> </ul>	<ul style="list-style-type: none"> <li>• Variospeed(V) electronics</li> <li>• Percussion stop</li> <li>• Aluminum die-cast gear housing</li> <li>• Auto-stop carbon brushes</li> <li>• Operation modes: hammer/drill, drill only, &amp; drill only for light chiseling</li> </ul>	<ul style="list-style-type: none"> <li>• Variro tacho constamatic (VTC) electronics</li> <li>• Quick-change chuck system</li> <li>• Reversing facility</li> <li>• Carbon brushes wear indicator</li> <li>• Operation modes: hammer/drill, drill only, &amp; drill only for light chiseling</li> </ul>	<ul style="list-style-type: none"> <li>• Variro tacho constamatic (VTC) electronics</li> <li>• Suitable for chiseling work</li> <li>• MVT Vibration damping construction</li> <li>• Impact reduction switch</li> <li>• Metal die-cast gear housing</li> <li>• Electronic speed stabilizer</li> </ul>	<ul style="list-style-type: none"> <li>• Variospeed (V)electronics</li> <li>• 2-speed gear-box</li> <li>• Long lasting motor</li> <li>• Auto-Stop carbon brushes</li> <li>• Reversing switch</li> <li>• Aluminum die-cast gear housing</li> <li>• Winding protection grid</li> </ul>

**5" Dustless Shroud**  
#655153000

For 4 1/2" or 5" diamond cup wheels



**7" Dustless Shroud**  
#655154000

For 7" diamond cup wheels

**ASR35 Heavy Duty Vacuum**  
#602055420



**Dust Extraction Kit**  
#631600000



- Dust extraction kit for corded and cordless drills, hammer drills, and SDS-Plus rotary hammers
- Includes handle, hose, and 2 vacuum adaptors

- 1400 Watts/12 Amps
- 130 CFM
- 9.25 Gallon Capacity
- Wet/Dry
- Stable/Low Profile Design
- Lockable Front Casters

**Vacuum Includes:**

- 1 pc. Suction hose 1-1/2" x 16 ft (341148180)
- 1 pc. Shroud adaptor (630316000)
- 1 pc. PVC collection bag (630325000)
- 2 pcs. Pleated filters (631934000)

Product	Application	Technical Specifications
<b>FLAT SAWS</b>		
<b>Husqvarna FS 400</b> 	<ul style="list-style-type: none"> <li>Ideal for small road repair jobs in concrete or asphalt.</li> <li>Cutting trenches for pipe laying.</li> <li>Making expansion joints in concrete floors.</li> <li>Cutting channels for impedance loop fittings or cable laying.</li> </ul>	Power, gasoline .....11 hp Blade diameter, in (mm) .....18 (450) Depth of cut, in (mm) .....6-5/8 (168) Weight, lbs (kg) .....219 (99)
<b>Husqvarna FS 309</b> 	<ul style="list-style-type: none"> <li>Ideal for very small road repair jobs.</li> <li>Cutting small trenches for pipe laying.</li> <li>Cutting in difficult-to-access job sites.</li> </ul>	Power, gasoline .....8-1/2 hp Blade diameter, in (mm) .....14 (350) Depth of cut, in (mm) .....4-5/8 (117) Weight, lbs (kg) .....117 (53)
<b>SOFF-CUT® ULTRA EARLY ENTRY™ SAWS</b>		
<b>Husqvarna Soff-Cut 150</b> 	<ul style="list-style-type: none"> <li>Ultra Early Entry™ concrete cutting system to reduce random cracking.</li> <li>Designed for residential and light commercial applications such as driveways and parking lots.</li> </ul>	Power .....4.3 hp Blade diameter, in (mm) .....6 (152) Depth of cut, in (mm) .....1-3/16 (30) Weight, lbs (kg) .....87 (39)
<b>Husqvarna Soff-Cut 390</b> 	<ul style="list-style-type: none"> <li>Ultra Early Entry™ concrete cutting system to reduce random cracking.</li> <li>Electric saw designed for residential and light commercial applications.</li> <li>Designed especially for the contractor who wants a no-hassle way to make decorative cuts.</li> </ul>	Voltage/amps .....110/15 Blade diameter, in (mm) .....5-1/2 (140) Depth of cut, in (mm) .....1-1/8 (29) Weight, lbs (kg) .....27 (12)
<b>POWER CUTTERS</b>		
<b>Husqvarna K 760</b> 	<ul style="list-style-type: none"> <li>Cuts concrete and masonry in alteration, renovation and new construction work.</li> <li>Cuts smaller holes and adjusts window and door openings.</li> <li>Cuts curbstones and pavers in landscaping.</li> <li>Pipe cutting in installation work.</li> <li>Asphalt cutting in roadwork and pre-cutting in pipe trenches.</li> <li>Metal cutting.</li> </ul>	Engine .....Air-cooled 2-stroke engine Displacement, cu in (cc) .....4.5 (74) Power, hp (kW) .....5 (3.7) Blade diameter, in (mm) .....12/14 (305/350) Depth of cut, in (mm) .....4/5 (100/127) Max blade RPM (no load) .....5,400 Fuel capacity, qt (l) ......95 (.9) Max weight without fuel and cutting equipment, lbs (kg) .....21.6 (9.8)
<b>Husqvarna K 960 Ring</b> 	<ul style="list-style-type: none"> <li>Cuts holes in alteration, renovation and new construction work.</li> <li>Adjustment of window and door openings.</li> <li>Pipe cutting for installation work.</li> </ul>	Engine .....Air-cooled 2-stroke engine Displacement, cu in (cc) .....5.7 (94) Power, hp (kW) .....6.1 (4.5) Blade diameter, in (mm) .....14 (350) Depth of cut, in (mm) .....10 (254) Max blade RPM (no load) .....5,400 Fuel capacity, qt (l) .....1.1 (1.0) Weight without fuel and cutting equipment, lbs (kg) .....28.8 (13.1)
<b>Husqvarna K 3000 Cut-n-Break</b> 	<ul style="list-style-type: none"> <li>Efficient electric cutter with convenient method for cutting up to 16" deep.</li> <li>An excellent choice for flush cutting, i.e. cutting tight against walls and floors.</li> <li>Well suited for indoor use and smaller jobs where you want to avoid overcutting at the corners.</li> <li>Ideal for cutting pipes in trenches, grooves for cabling, expansion joints and crack renovation.</li> </ul>	Electric motor, volt .....120 Rated output, watt .....1,800 Rated current, amp .....15 Blade diameter, in (mm) .....9 (230) Depth of cut, in (mm) .....16 (400) Max blade RPM (no load) .....4,500 Weight, without blade, lbs (kg) .....18 (8.2)



### BHT3 Turbo

Use the BHT3 blade for fast, smooth cutting on a variety of critically hard concrete, stone and masonry materials. Total segment height is .500" (.400" diamond depth; .100" segment base).

**Application:** Universal, Brick, Building block, Concrete, Granite, Hard material, Masonry, Stone

**Blade Sizes - Inches (mm):**

12 (305) x .125 x 1 DP - 20mm B  
14 (350) x .125 x 1 DP - 20mm B  
16 (400) x .140 x 1 DP - 20mm B



### EH Series

General Purpose, Abrasive Materials, Asphalt Blades

- **EH5** is a general purpose blade used for cutting concrete, masonry and stone.
- **EH8** blade will cut a wide range of abrasive materials such as soft brick, abrasive block and green concrete or cured concrete with soft aggregate.
- **EH10** blade has a slightly harder bond for a longer life when cutting a wide range of abrasive materials such as soft brick, abrasive block, green concrete and asphalt.
- The total segment height for the EH series is .450" (.350" diamond depth; .100" segment base).

**Blade Sizes - Inches (mm):**

12 (305) x .125 x 1 DP - 20mm B  
12 (305) x .125 x 20mm  
14 (350) x .125 x 1 DP - 20mm B  
14 (350) x .125 x 20mm  
16 (400) x .140 x 1 DP - 20mm B



### LW Dri Disc®

The LW2 is for long life and smooth finish (double rim) on concrete, masonry, stone and similar materials.

The Turbo disc is for longer life and smoother finish (segment turbo) on concrete, masonry, stone and similar materials.

Total segment height is .200" diamond segment

**Blade Sizes - Inches (mm):**

4 (100) x 5/8 - 11 THD  
4 (100) x 7/8 - 5/8 B  
7 (178) x 5/8 - 11 THD  
7 (178) x 7/8 - 5/8 B



### TSD-S Dri Disc®

The TSD-S is our most affordable segmented blade for fast cutting a wide variety of materials including concrete, masonry, brick and stone. Total segment height of this blade is .275" diamond depth.

**Blade Sizes - Inches (mm):**

4 (100) x .080 x 7/8 - 20mm - 5/8 B  
4-1/2 (114) x .080 x 7/8 - 20mm - 5/8 B  
5 (127) x .080 x 7/8 - 20mm - 5/8 B  
6 (152) x .095 x 7/8 - 5/8 B  
7 (178) x .095 x DM - 7/8 - 5/8 B  
8 (203) x .095 x DM - 7/8 - 5/8 B  
9 (230) x .100 x 7/8 - 5/8 B  
10 (254) x .100 x DM - 7/8 - 5/8 B



### Ultra Early Entry™ Saw Blades

#### Excel 3000 Series Red

The Husqvarna Excel 3000 Series Red features unique triangular arbor configuration and cuts medium to hard aggregate, medium abrasive sand.

**Blade Sizes - Inches (mm):**

5 (127) x .095  
5.16 (131) x .225  
5-1/2 (140) x .095  
6 (152) x .100  
6 (152) x .225  
8 (203) x .100  
8 (203) x .225  
9 (230) x .100  
10 (254) x .100  
10 (254) x .250  
10 (254) x .380



12 (305) x .120  
12 (305) x .250  
12 (305) x .380  
12 (305) x .500  
13-1/2 (350) x .120  
13-1/2 (343) x .250  
13-1/2 (350) x .380

#### Excel 4000 Series Orange

The Husqvarna Excel 4000 Series Orange features unique triangular arbor configuration and cuts medium aggregate, medium abrasive sand.

**Blade Sizes - Inches (mm):**

6 (152) x .100  
8 (203) x .100  
10 (254) x .100  
12 (305) x .120  
12 (305) x .220  
13-1/2 (343) x .120

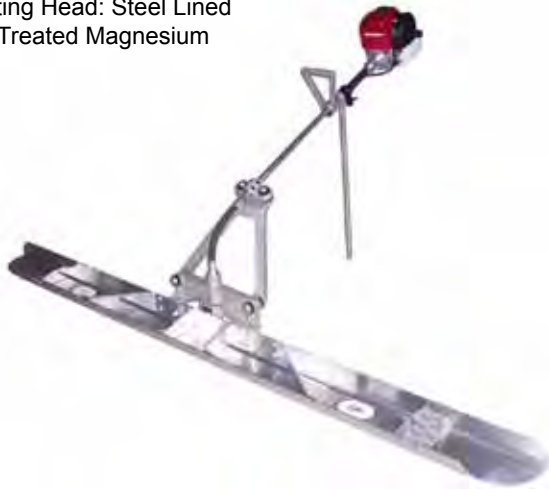


## Vibra Strike I Power Screed

The original Vibra Strike single handle vibratory screed, better known as the **Vibra Strike I**, shown fitted with **Lindley Incorporated's original F1 Pan Style Float**. This is the float that started it all. Back by popular demand. This float is the choice of many original Vibra Strike owners when the time comes to replace their aging equipment.

### Specification:

Weight: 30 pounds  
Engine: Honda/GX35 4 Stroke  
Frame: Cast Heat Treated Magnesium  
Eccentric Weight: 12L 14 Steel  
Vibrating Head: Steel Lined  
Heat Treated Magnesium



## Vibra Strike II Power Screed

**The Top-of-the-Line In Power Screeding.** The Vibra Strike II is just as quick and versatile as the original, and with the 4 stroke engine this is a power screed that delivers performance. Because of popular demand, we designed this Vibrastrike with two handles for easy maneuverability. Think of it as a Vibra Strike I with an attitude. Shown fitted with **Lindley Incorporated's 2 in 1 float**, the mark again is raised, with respect to portable, easy to use screeding equipment.

### Specification:

Weight: 36 pounds  
Engine: Honda/GX35 4 Stroke  
Frame: Cast Heat Treated Magnesium  
Eccentric Weight: 12L 14 Steel  
Vibrating Head: Steel lined  
Heat Treated Magnesium



## Vibra Strike Rattler

The Rattler is a self-contained, gas powered, concrete vibrator that is simple to operate, even for the single worker. The powerful, yet compact, Honda Engine eliminates the need for backpacks, restrictive straps, and dedicated power sources. The result is an efficient and affordable vibrator that is instantly ready for any vertical form. Extremely durable steel-reinforced cable housing for extended life that stands up to day-in, day-out use.

### Specification:

Weight: 20 pounds  
Engine: Honda 4 Stroke  
Cable Housing: Megaflex, steel reinforced  
Available in 4'-16' lengths  
Vibrating Head: DOM CRS tubing



3

## Vibra Strike Float Bars

**F1 Float (Channel Float Style)** - The float that started it all. Rugged, reliable, and easy to maintain. The original F1 Float is now available again by popular demand!

Uses: Wet Screeding

Width: 6"

Height: 4"

Lengths: 4', 5', 6', 8', 10', 12', 14', 16'



**F4 Float (AKA the EZ clean 2 in 1 Float)** - The innovative design of the 2-in-1 EZ Clean Floater combines the performance of both a wet screed and curl-edge float. Tension rod adjustment is easy accessible. Float can be quickly straightened using a standard open-end wrench.

Uses: Wet Screeding

and Form to Form

Width: 6"

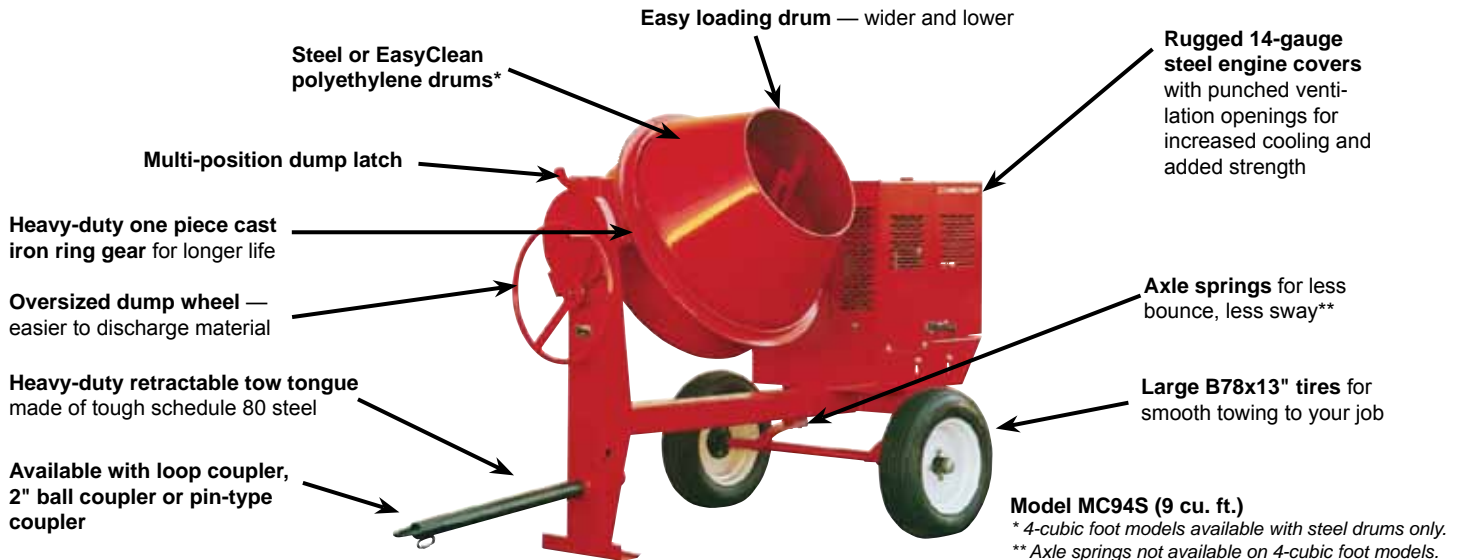
Height: 4"

Lengths: 4', 5', 6', 8', 10', 12', 14', 16'



Float Bars "F1" and "F4" can be used with both VS-I and VS-II Power Screed Models.

## “The ultimate in heavy duty concrete mixers.”



### Our innovative EasyClean mixers incorporate polyethylene drums to put an end to clean up problems.

If a load of material is allowed to dry in a steel-drum mixer, removing that material may take several hours — and more often than not, drums can be dented or damaged in the process.

Our tough polyethylene drums can be cleaned in minutes. A simple tap with a rubber mallet does the job — without dents, rust or cracks!



**Model MC94P (9 cu. ft.)**

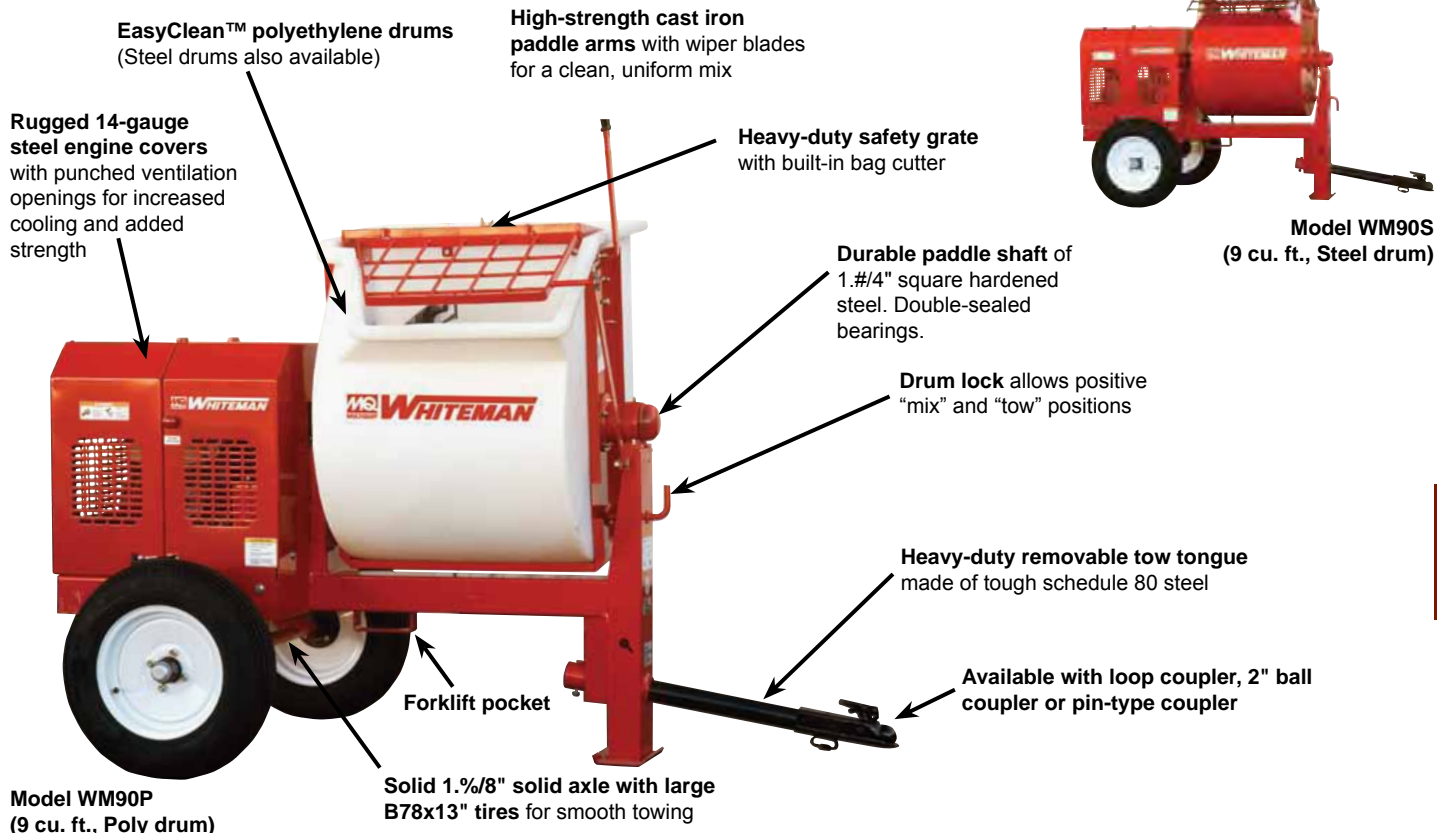
	Steel Drum Models			Polyethylene Drum Models	
Model	MC44S	MC64S	MC94S	MC64P	MC94P
Capacity — cu.ft. (liters)	4 (110)	6 (165)	9 (248)	6 (165)	9 (248)
Power Sources**	0.5 HP 1Ø 115V Elect. 3.5 HP Honda	1.5 HP 1Ø 115/230V Elect. 4.8 HP Honda 7.1 HP Honda	1.5 HP 1Ø 115/230V Elect. 7.1 HP Honda	1.5 HP 1Ø 115/230V Elect. 4.8 HP Honda 7.1 HP Honda	1.5 HP 1Ø 115/230V Elect. 7.1 HP Honda
Average weight* — lbs. (kg)	495 (225)	685 (311)	810 (367)	685 (311)	800 (363)
Length w/tongue x W x H - in.	87x51x54	102X51X59	106x51x63	102X51X59	106x51x63
Discharge height — in.	23	23	23	23	23
Drum opening — in.	17.5	19	21	19	21
Drum depth — in.	26	29	31	29	31
Tires	B78x13	B78x13	B78x13	B78x13	B78x13
Drive	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt
Dump Action	Manual	Manual	Manual	Manual	Manual

\* Mixer weight shown is an average; exact weight is dependent upon power source.

\*\* Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. MultiQuip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.



## For the professional contractor!



**Whiteman mixers have the features, quality, and engineering excellence** preferred by the contractor and the equipment rental industry. Our heavy-duty mixers are reliable, easy to maintain and are available in a full range of sizes and engine configurations for most any application.

Choose from steel or EasyClean™ polyethylene drums. Whatever your selection, Whiteman sets the standard. Available in 7-, 9-, and 12-cubic foot capacities, with your choice of power and drum materials.

	Steel Drum Models			Poly-Drum Models		
Model	WM70S	WM90S	WM120SHD (Hydraulic)	WM70P	WM90P	WM120PHD (Hydraulic)
Capacity — cu.ft. (liters)	7 (93)	9 (248)	12 (340)	7 (93)	9 (248)	12 (340)
Capacity — bags	1½ to 2½	2½ to 3½	3½ to 4	1½ to 2½	2½ to 3½	3½ to 4
Power Sources**	1.5 HP 1ø 115/230V Electric 4.8 HP Honda 7.1 HP Honda	3 HP 1ø 230V Electric 7.1 HP Honda	11 HP Honda	1.5 HP 1ø 115/230V Electric 4.8 HP Honda 7.1 HP Honda	3 HP 1ø 230V Electric 7.1 HP Honda	11 HP Honda
Average weight* — lbs. (kg)	690 (313)	785 (356)	1,010 (454)	690 (313)	785 (356)	1,010 (454)
Length w/tongue x W x H - in.	98x50x56	98x50x59	82x51x60	98x50x56	98x50x59	82x51x60
Height including handle - in.	73	77	75	73	77	75
Discharge height — in.	21	21	17	21	21	17
Drive	V-Belt	V-Belt	Hydraulic	V-Belt	V-Belt	Hydraulic
Dump Action	Manual	Manual	Hydraulic Dump	Manual	Manual	Hydraulic Dump

\* Mixer weight shown is an average; exact weight is dependent upon power source.

\*\* Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Multiquip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.





### ***Oil-injected Vibratory Rammers***

A unique patented oil-injection system provides reliable performance by eliminating spark plug fouling and carbon buildup. An amazing fuel to oil ratio of 120:1 allows for longer and cleaner running times... up to 65 hours on a single tank of oil. Rugged rammers designed for the compaction of cohesive, mixed and granular soils in confined areas.

	<b>BS 50-2i</b>	<b>BS 60-2i</b>	<b>BS 70-2i</b>
Shoe size (w x l)	11" x 13"	11" x 13"	11" x 13" or 13" x 13"
Operating weight	313 lb	145 lb	164 lb
Percussion rate	up to 700 blows/min	up to 700 blows/min	up to 700 blows/min



6555He

### ***DPU Reversible Vibratory Plates***

These new-generation vibratory plates offer maximum efficiency to meet the most stringent professional demands. The optimized two-shaft exciter technology, the power (centrifugal force) of which has been increased by 10 to 12.5 %, ensures the greatest possible compaction performance on almost all soils.

	<b>5545He, 55kN</b>	<b>6555He, 65kN</b>
Operating weight	915 lb	1049.4 lb
Base plate (W x L)	17.7" x 35.4"	21.7" x 35.4"
Centrifugal force	12,364.4 lb	14,612.6 lb

### ***RT 82-SC-2 Vibratory Trench Rollers***

Articulated trench rollers feature a dual joystick control box for easy steering. If the operator comes within three feet of the roller's front or rear sensing eye with the control box, the unit will stop moving and vibrating. A smart machine for any jobsite.

Operating weight	3,247 lb
Drum width	32 in
Centrifugal force	7700/15,400 lb



### ***RD 12A-90 Hydrostatic Vibratory Roller***

Dual drum drive and articulated steering for extremely accurate control. Outstanding overall roller performance and a high exciter frequency allows compaction at faster speeds while still delivering even coverage and excellent results.

Operating weight	2,490 lb
Drum width	35.4 in
Centrifugal force	3,400 lb



### Electrical Power Unit for Internal Vibrator

Economical concrete consolidation for every need. The electrically driven HMS system is extremely versatile. These high frequency flex-shaft internal vibrators can be adapted to every type of application. Heads and shafts can be easily combined and rapidly exchanged to match the right equipment to the job. Unique hybrid heads offer optimum concrete consolidation and movement.

	<b>M 1000</b>	<b>M 2000</b>	<b>M 3000</b>
Power	1.3 hp	2.3 hp	3.1 hp
Weight	11.7 lb	13.0 lb	17.8 lb



M2000 Model

### Shafts

- High frequency and amplitude of the vibrator head
- Integrated quick disconnect couplings on shafts
- Oil resistant reinforced rubber shafts with steel reinforced coils on the quick disconnect end



	<b>SM1-E</b>	<b>SM2-E</b>	<b>SM4-E</b>	<b>SM0-S</b>	<b>SM1-S</b>	<b>SM2-S</b>	<b>SM3-S</b>	<b>SM4-S</b>	<b>SM5-S</b>	<b>SM7-S</b>	<b>SM9-S</b>
Length	3.3 ft	6.6 ft	13.1 ft	1.6 ft	3.3 ft	6.5 ft	9.8 ft	13.1 ft	16.4 ft	23 ft	29.5 ft
Weight	3.1 lb	5.1 ft	9.5 lb	5.1 lb	6.6 lb	9.5 lb	14.8 lb	18.7 lb	23.2 lb	30.9 lb	39.0 lb

### Vibrator Head

- The exclusive shape of the high amplitude hybrid heads provides excellent consolidation and movement of concrete
- Quick and easy flex-shaft replacement with the quick disconnect coupling



	<b>H25HA</b>	<b>H35HA</b>	<b>H45HA</b>	<b>HR48</b>	<b>H50HA</b>	<b>H65</b>	<b>HR65</b>	<b>HR70</b>
Diameter	1.0 in	1.4 in	1.8 in	1.9 in	2.0 in	2.6 in	2.5 in	2.75 in
Weight	2.6 ft	4.4 lb	6.8 lb	6.0 lb	7.9 lb	13.2 lb	8.5 lb	11.0 lb

### Ø57 mm Internal Vibrator with Inverter

- Flexible for all types of applications
- Maintenance-free, long-life motor
- Absolutely wear-free in the area of the inverter
- High equipment safety

	<b>IRFU 57</b>
Head diameter	2.3 in
Hose length	16.4 ft
Compaction Diameter	33.5 in



### Low Vib Electric Breaker

- The only machine in the industry that dampens vibrations in the entire upper housing including the handles for reduced HAV and optimum operator comfort
- Unit ideally suited for breaking concrete floors, walls, sidewalks, stones, brickwork, frozen ground, heavy clay and similar materials; cutting and breaking asphalt pavement; driving posts, soil probes, ground rods, stakes and tamping small backfill areas.



	<b>EH 27</b>
Voltage	120 1~ V
Weight (w/o tool)	58.5 lb



## TROWELS

### *Walk-behind Trowel*

- Optimum weight distribution reduces the lateral force from the trowel for reduced operator fatigue
- Trowels feature a 30-degree blade pitch for better concrete burnishing

	<b>CT 36-4A</b>	<b>CT 48-8A</b>
Trowel diameter	36 in	48 in
Speed range	60-125 rpm	60-125 rpm
Horsepower	5.5 hp	8 hp



CT 48-8A

### *CRT 48-35V Ride-on Trowel*

- Units offer the highest blade speeds in mechanical drive ride-on trowel class
- A center engine design provides for better visibility and protection of engine components
- Improved durability
- Three engine choices
- Ideally suited for panning and burnishing applications

Speed range	25-165 rpm
Max rated power	35 hp @ 3800 rpm

## PUMPS

### *PS2 500 50mm Submersible Pump 220V/60Hz*

Lightweight, portable, single phase submersible pumps are designed to handle water and solids. Built for the demands of construction, mining, municipality and farm applications.

Discharge diameter	2 in
Operating weight	21 lb
Max head	39.5 ft
Max discharge	62.4 gal/min
Power	2/3 hp



### *Centrifugal Trash Pump*

- Self-priming high performance pump capable of handling solids up to 1"/1.5"
- Hardened ductile iron impeller and volute with a patented volute insert
- High strength, lightweight aluminum housing, compact with easy access

	<b>PT 2A</b>	<b>PT 3A</b>
Suction & discharge diameter	2 in	3 in
Operating weight	96 lb	141 lb
Max discharge	210 gpm	400 gpm



### **Value Generators For Reliable Jobsite Power**

- Compact, low profile design reduces storage space requirements
- All units feature a 4-cycle Honda engine for reliable power and long life. Plus a large, oversized fuel tank allows for long run times
- These generators feature the best available Class H insulation for operation in high heat conditions and overall longer generator life
- Overload prevention through a protective circuit breaker for long life and added equipment protection



	<b>GV 2500A</b>	<b>GV 3800A</b>	<b>GV 5600A</b>	<b>GV 6600A</b>
Dry weight	99.2 lb	143.3 lb	172 lb	174.2 lb
Maximum output	2500 W	3800 W	5600 W	6600 W
Max rated power	4.8 hp@3600rpm	7.1 hp@3600rpm	9.5 hp@3600rpm	11 hp@3600rpm

**3**

### **Inverter Generators**

- Lightweight units that are quiet and fuel efficient
- Inverter technology allows for variable engine speed that automatically adjusts to the power needs of the connected equipment
- High surge capacity provides for output as high as 120% over rated power for up to 20 seconds
- Multi-Monitor information display (GP(S)i3200) shows the generator performance, voltage, frequency, hours of operation and overload condition
- GFCI protected 110V duplex outlet meet OSHA jobsite standards
- Closed frame models (GPSi 3200) feature: - fully enclosed featuring foam lined, resin side panels and a steel base with sound absorbing lining



GPi 1700

	<b>GPi 1700</b>	<b>GPSi 3200</b>
Dry weight	45.2 lb	130 lb
Continuous output	1350 W	2800 W
Max rated power	2.8 hp @4200	6.4 hp @3600



GPSi 3200





## MOBILE GENERATORS

### *Generators with Trailers*

- Unit offers low noise, mobile power for virtually any sound-sensitive application
- Brushless generator features a separate excitation winding for excellent motor starting and an enhanced ability to run non-linear loads
- Durable features like stainless steel external hardware and automotive corrosion treatment of select body parts
- Generator control panel swings open as one complete unit for easy servability
- Single-axle trailers are fully equipped and highway ready with DOT lighting, chains, height adjustable coupler and electric or hydraulic surge brakes



G 70 Generator

	<b>G 25</b>	<b>G 50</b>	<b>G 70</b>
Prime output	19.5 kW	38 kW	58 kW
Rated standby power	32.1 hp @ 1800rpm	67 hp @ 1800rpm	99 hp @ 1800rpm

## LIGHT TOWERS

### *LTN 6L Light Tower (Narrow Body)*

- Elliptical light fixtures offer more diffused, uniform light coverage for better job site illumination
- Lockable, impact resistant plastic doors are rust and dent proof
- Four-point jack stands provide for easy leveling and superior wind stability
- Mast-mounted base winch can be cranked while the operator is standing
- Stamped, one piece, steel skid tub provides superior strength and full protection from ground debris
- Large capacity fuel tank allows for up to 68 hours of continuous lighting/run time
- Fully equipped highway-ready trailer offers a ball hitch, 13-inch (33cm) tires, four tie-downs, lighting and chains
- Reliable diesel engine features glow plug preheat system for long service life and easier cold weather starting



Output	6 kW
Coverage	12,960 sq.ft
Max rated power	13.4 hp @ 1800 rpm

**DryAir delivers with climate control solutions for all your heating, thawing, curing and drying requirements... safe, reliable and cost-effective!**

## The DRYAIR System

- Propane, natural gas or diesel central heating systems available in a range of output sizes.
- Glycol based liquid heat exchange.
- Capable of multi-tasking... able to handle heating, thawing & curing tasks...all at the same time!
- Low supervision and cost-effective portable heating solutions!
- Cuts your heating costs by as much as 50%!
- No toxic fumes!
- Absolutely no project fire risk!
- No water introduced to the work environment!
- No staining & moisture damage to drywall & millwork.



## Central Heating Modules



2100-0900



2000-1200



2000-0250

## Portable Heat Exchangers



Model 80



Model 200

## System



2200-0900 GTP Ground Thaw Package

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## HEATING

- Residential developments
- Multi-storied complexes
- Large commercial buildings
- Remote structures or camps with no access to power
- Public functions such as trade shows or other social events
- Emergency heat source
- Operates in high fire risk environments

## DRYING

- Structure dryouts
- Water damage recovery

## THAWING, CURING & FROST PREVENTION

- Ground thaw (3000 & 12000 ft<sup>2</sup>)
- Curing and frost prevention of all footings, grade and elevated slabs, columns and walls.

**Why Wait 28 Days When You Can Cure Your Concrete In 7 Days!**

### PVC DISCHARGE HOSE 80 PSI

Discharge	Length	Part#	Weight
2"	50 ft	DIS250PVC	12.5 lb
3"	50 ft	DIS350PVC	20.2 lb
4"	50 ft	DIS450PVC	30.0 lb

Water discharge hose. Aluminum shank coupling with MNPSM threads and aluminum/brass swivel coupling with FNPSM threaded fittings. Max temp 150°F, max pressure 80 PSI. PVC tube material, strong fiber reinforcement, resists burst. Includes gasket.

### CANVAS DISCHARGE HOSE 125 PSI

Discharge	Length	Part#	Weight
2"	50 ft	DIS250MIL	11.8 lb
3"	50 ft	DIS350MIL	22.0 lb

Water discharge hose. Aluminum shank male and female with brass swivel fittings. Fitting size 2/3 npsm. Max temp 180°F, max pressure 125 psi. SBR/natural rubber tube material, polyester jacket reinforcement, resists burst. Includes gasket.

### PVC SUCTION HOSE 65 PSI

Size	Part#	Weight
2" x 20 ft	SUC220	10.0 lb
3" x 20 ft	SUC320	16.0 lb

Light weight, small bending radius, high strength, anticorrosion, good resistance to negative pressure, deformation, and bad weather, good flowability. Widely used for drawing and conveying powder, grain, water and oil in factories, agriculture and civil engineering. Good substitute for rubber and metal hose in most application. Working temperature from 23°F to 150°F.

### JACKHAMMER AIR HOSE 250 PSI

Size	Part#	Weight
3/4" x 50 ft	AIR3450	23.2 lb

A quality hose for use with mobile air compressors. Oil mist resistant rubber tube, two braid equivalent of polyester spiral reinforcement. Abrasion and sunlight resistant EPDM rubber cover. Assembly includes universal couplings attached with band-it clamps on each end. Working Pressure 250 PSI.

### HD WATER HOSE 150 PSI

Size	Part#	Weight
3/4" x 50 ft	400425	11.4 lb

Heavy duty contractor water hose for abusive service requirements where garden hose is not suitable. 150 PSI working pressure. Black rubber tube, treaded ends.







## Truck & Van Storage Equipment

Saddle Boxes  
Model 117-0-02



Dimensions:  
H: 18 1/2 W: 27 1/2 L: 71 1/2  
Weight (lbs.): 101  
Cubic feet: 15.3

Underbed Boxes  
Model 117-0-02



Dimensions:  
H: 24 W: 24 L: 24 1/8  
Weight (lbs.): 49  
Cubic feet: 8

Transfer Tanks  
Model 354-3-01



Dimensions:  
H: 26 W: 52 L: 30  
Weight (lbs.): 185

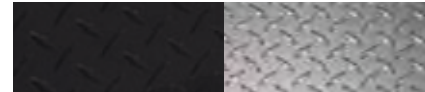
Roof Racks  
Model 205-3



2 Member All-Purpose Rack  
Dimensions:  
H: 16" W: 8" L: 70-1/2"  
Weight (lbs.): 42

### WEATHER GUARD® Exclusives

- **EXTREME PROTECTION™ Lock** Tamper-resistant retracting lock protects against break-ins
- **90° cover opening** for easy access
- **Crimp-free/drill-free install mounting brackets**
- **12V pass-through** provides easy, weatherproof power cord access
- **Heavy-duty Gas Springs** assist for smooth opening
- **Automotive-style rotary latch** features smooth "one-touch" opening
- **Latch linkage protection** helps eliminate damage from shifting loads
- **Level storage** secures 48" level
- **Full weather seal** protects against the elements
- **Limited Lifetime Warranty** for peace of mind
- **Adjustable tray** provides storage for small items



ALUMINUM. Looks great and withstands weather with a durable clear or BLACK ARMOR TUF® POWDER coat finish.



STEEL. Resists dents and rust with BLACK or WHITE ARMOR TUF® powder coat finish.

3

## Jobsite Storage Equipment



Mobile Heavy Duty Field Station  
Model 119



Dimensions: H: 82 W: 42 L: 60  
Weight (lbs.): 624  
Cubic feet: 115.2

STORAGEMASTER® Chest  
Model 89



Dimensions: H: 46 W: 30 L: 60  
Weight (lbs.): 337  
Cubic feet: 47.8

JOBMASTER® Chest  
Model 60



Dimensions: H: 23" W: 24" L: 60"  
Weight (lbs.): 190  
Cubic feet: 20.25



## 5.2XL

### **Laser Pointer & Line Generator - Two tools in one!**

#### **Features & Benefits**

- Self-leveling provides fast, easy operator setup
- Versatile, self-leveling five beam laser for plumb up, plumb down, level and square plus horizontal and vertical lines
- Can be used up to 250 ft. with optional laser detector
- Withstands a drop of 3 ft. onto concrete
- Water, mud, and shock resistant for improved reliability
- Three year warranty - 2 years parts and labor, 1 additional year of Service Protection Plan, 3 total plan years.
- Two tools in one: 5-Beam Laser Pointer & Horizontal/Vertical Laser Line Generator eliminates the need to purchase two separate laser tools



## LL300

### **Medium-range, highly accurate leveling solution**

The Spectra Precision® Laser LL300 features a rugged design with "hard hat" rotor protection that provides superior drop and weather protection. Built to withstand severe drops of up to 3 ft directly onto concrete, or up to 5 ft when pushed over on a tripod.

The LL300's fully automatic self-leveling capability provides fast, accurate setup. Single cross-axis manual slope mode with cross-axis self-leveling allows grade matching for basic slope work, while maintaining accuracy in the cross-slope. Optional RC601 remote control required to perform grade match. 2-year warranty.



#### **Features & Benefits:**

- Increases productivity with fast setups, fewer mechanical parts, and automatic self-leveling
- Maintains performance even in rainy, dusty and other harsh job site and weather conditions
- Durable design reduces downtime due to drops and tripod tipovers
- Minimizes power costs, increases reliability with choice of rechargeable or alkaline batteries
- Increases flexibility with remote control slope option
- Range 1,300 feet diameter. Accuracy + or - 3/32" @ 100'
- Standard package comes with HL450 Receiver & Rod Clamp

### **LL300-2 Laser Level Kit - A Leveling Crew in a Case**

The LL300-2 kit includes the LL300 laser along with (1) HL450 Receiver and rod clamp, (4) D-alkaline batteries, (1) GR152 - 15' telescopic grade rod in inches, and (1) aluminum tripod all packaged in a hard shelled carrying case.

## LL400

### **Durable, highly accurate LL400 Laser Level withstands the toughest job site**

The fully automatic, self-leveling Spectra Precision® Laser LL400 Laser Level sets a new standard in rugged reliability, handling a wide variety of general and concrete construction applications. The LL400 Laser Level features easy, one-button operation for basic leveling and provides reliable, highly accurate, long-range measurements, even for machine control applications.



The LL400 is designed to be durable and reliable, day in and day out, and can be operated in the rain for superior drop and weather protection. The rugged LL400 can withstand drops of up to 3 ft onto concrete and tripod tipovers up to 5 feet. This strength, combined with full weatherproofing and dust-proofing, results in reduced downtime and lower repair costs. 2-year warranty.

#### **Features & Benefits:**

- Fast setup, minimal training time and automatic self-leveling minimize operating costs and boost productivity
- Highly rugged design and unique patent-pending lighthouse seal protects the transmitter head and glass, offering superior drop and weather protection for reduced downtime
- One-person operation reduces labor costs
- Highly accurate at 1/16 inches at 100 feet for precise measurements on the job
- Temperature-calibrated, high accuracy for consistent performance across larger jobsites
- IP66 dust and waterproof for continual performance in harsh conditions
- Range 2,600 feet diameter

## LL500

### **Reliable lifelong accuracy and stability**

The world's best selling laser level: the Spectra Precision® laser LL500 is a one-person leveling system designed for the most rugged environment. Accurate, stable and reliable, the LL500 is ideal for longer range measurements across your entire site. It comes complete with a hand held or rod-mounted receiver and is also compatible with machine control receivers. Range 1,600 feet diameter. Accuracy + or - 1/16" @ 100'. 2-year warranty.



#### **Applications**

- Checking elevations
- Setting concrete forms (small and large jobs)
- Checking foundations
- Digging footings

## LL100-2

### A New Standard in Affordable Professional Laser Tools

A tripod and grade rod is included with the laser and HR320 receiver in one hard-shelled, portable, system carrying case. It's easy to transport, easy to carry, easy to store, and especially easy to use.



#### Features & Benefits:

- Complete leveling crew in a case - laser, tripod, receiver and clamp, choice of grade rod, alkaline batteries in a portable hard shelled carrying case
- Easy to transport, easy to carry, easy to store
- Automatic electronic self-leveling - turn it on and start working
- Simple one-button operation for quick start up
- Height of Instrument Alert - unit stops rotating when jarred to avoid erroneous readings
- Job site durable and tough - withstands a 3 ft (1 m) drop on concrete or a 5 ft (1.5 m) tip over without breakage. Rugged design reduces downtime
- Single axis manual slope mode to match known references. Slopes can be set up to 100 ft (30 m) away with the optional RC601 remote control
- Energy-efficient design offers long battery life on 2 D-cell alkaline batteries
- Rotor cage can be removed for precise 360° coverage
- Exclusive 3-year limited warranty with instant "over the counter" exchange policy eliminates downtime
- Range 1,000 feet diameter. Accuracy + or - 1/8" @ 100'

## GL422

### Automatic Dual Grade Laser

#### Features & Benefits:

- GL422 is a dual grade plus horizontal and vertical. Simple accurate dial in grade from -10% to +15%
- Up to 2,600 ft working diameter which increases productivity by reducing need for multiple set-ups on a large job site
- Fully automatic self-leveling in both grade axis, horizontal, and vertical which provides fast, accurate setup in all applications
- Highly rugged design protects the rotor head and glass and offers superior drop and weather protection for reduced downtime
- 2-way full function remote control allows grade changes to be made from anywhere on the jobsite
- Temperature calibrated for high accuracy over wide temperature changes
- IP66 dust - and water-proof to withstand harsh jobsite conditions
- Mask mode eliminates interference from other crews on the jobsite
- 2-year warranty



#### Applications:

- Leveling concrete forms and footers
- General construction vertical alignment and plumb such as anchor bolt and form alignment
- "over the top" sewer and storm drain pipe installations
- Sports fields, tennis courts and driveways
- Grading and excavating
- Steep slope road embankments and ditch banks
- Ramps and drainage

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## Accessories

### Tripods



**Model # 1161**  
Tripod, heavy duty wood, screwlock  
Extends from 3 ft 2 in to 5 ft 3 in

**Model # 2161**  
Heavy-duty aluminum tripod  
Extends from 3 ft 6 in to 6 ft 1 in



### Receivers



**Model # HL700**  
"Laserometer" Receiver  
• 3-year "no excuses" warranty  
• digital readout 2" above and 2" below on-grade reading  
• "anti-strobe" filter

#### Model # CR600

- High, low or on-grade information up to 1,500 ft radius
- Super-bright LED display
- Five on-grade sensitivities to customize for application needs
- 270° reception for easy visibility of on-grade beam
- Shipped standard with magnetic mount for mini-excavators & backhoes
- Also includes grade rod clamp



### Grade Rods

**Model # GR151**  
• 5 section grade rod  
• 10ths  
• 15 feet  
• aluminum

**Model # GR152**  
• 5 section grade rod  
• inches  
• 15 feet  
• aluminum



### Debris Chutes

SureBuilt Manufacturing offers an economical and complete line of debris chutes and accessories to handle all of your waste management needs. Our system can be mounted to various types of structures including flat roofs or scaffolding applications, window openings and parapet walls. We also offer a 150' manual winch for all your lifting needs. All products are easy to install, light weight and long lasting.



All trash chutes and hoppers are manufactured with polyethylene and are rotational molded. This helps to prevent stress cracking and improves low temperature impact strength. All metal components are hot dipped galvanized for corrosion resistance and longer life.

SureBuilt Manufacturing offers competitive pricing and pre-paid freight on large orders. All products manufactured in the United States with our main distribution plant centrally located in Bellwood, Illinois.

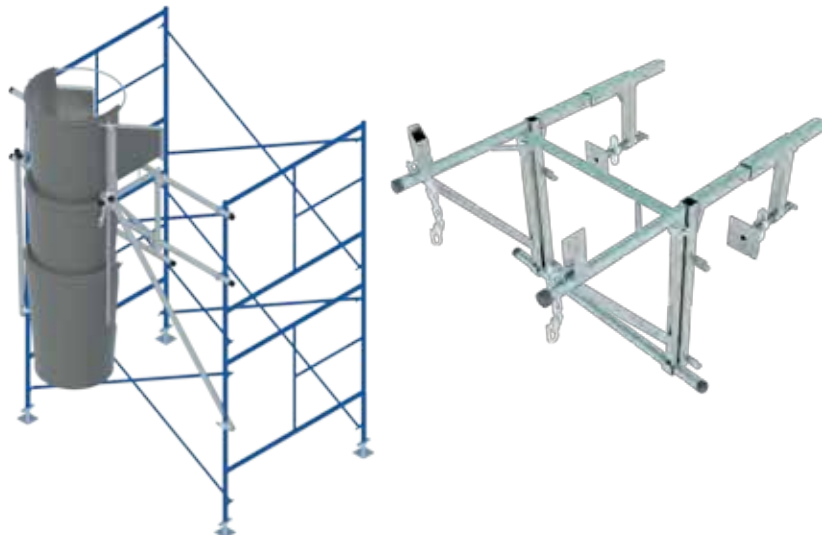
### PVC Components

- Trash Chute w/ Chain
  - Intake Hopper w/ Retaining Bar
  - Intermediate Hopper w/ Safety Flap
  - Trash Chute Reinforced Liner
  - Retaining Bar w/ Safety Flap
- Custom labeling available on all chutes and hoppers.



### Metal Components

- Basic Support Frame
- Hopper Stands
- Window/Parapet Outrigger Set
- Flat Roof Outrigger Set
- Scaffold Outrigger
- Flat Roof Safety Frame





# Pro-Twist® Construction Fasteners - The most complete fastener line for the professional



Pro-Twist® construction fasteners are engineered for professional-grade use in commercial, industrial, and residential applications. Whether the job involves drywall, steel framing, mobile home construction, electrical or plumbing work, plastering, or metal roofing, Pro-Twist has the optimal fastener for every situation. Sturdy, color-coded packaging makes fastener selection easy and minimizes waste both in your yard and at the jobsite. Triple-tested and head-stamped for accountability, Pro-Twist is the brand you and your exacting professional customers can trust.

The Pro-Twist Construction Fasteners commitment to quality:

- Manufactured at ISO 9002-approved mills
- Manufactured in C1004-93 environments
- ASTM-certified
- Carries ICBO evaluation #5454
- Meet ICBO ESAC 118 (tapping screws)

Pro-Twist's color-coded packaging is designed to keep the fasteners contained, clean, and dry, reducing waste and saving money for dealers and for installers.

- Bulk boxes are triple-walled and poly-lined
- Clear, resealable, reusable plastic tubs set a new industry standard
- 1-pound plastic tubs packed 20 per master, 5-pound tubs 6 per master
- Larger piece-count plastic buckets have easy-to-carry handles
- Color-coding simplifies fastener selection for your project.

## White Packaging

- Drywall Screws — Bugle Fine
- Drywall Nails — Cupped Head Phosphate Coated Smooth or Ring Shank, Ring Shank Bright, Cement Coated Smooth, Vinyl Coated Barbed, Blued Plasterboard

## Yellow Packaging

- Drywall Screws — Bugle Coarse, High and Low Thread, Laminator, and Trim Head
- Light Gauge Steel Screws — Pan Framer, Modified Truss, Slotted Hex Washer Head

## Light-Blue Packaging

- Self-Drilling Screws — Bugle Head, Trim Head, Bugle Head or Flat Head Pilot Point, Wafer Head or Flat Head with Wings.
- Self-Drilling Steel Framing Screws — Pan Framer, Pancake Framer, Phillips Pan Head, Modified Truss, Low Profile Truss
- Heavy Gauge Metal-to-Metal Screws — Hex Washer Head with or without Neoprene Bonded Washer, High-Hex Washer Head, Stitch/Lap Hex Washer Head with or without Neoprene-Bonded Washer

## Dark-Blue Packaging

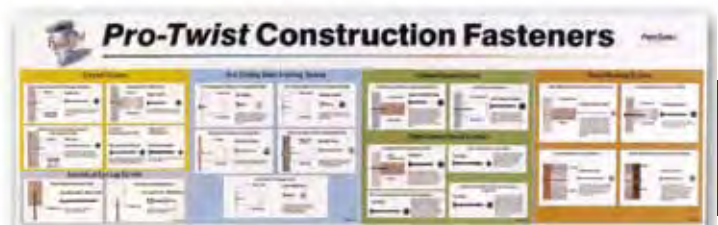
- Concrete Screw Anchors — Hex Washer Head Slotted, Flat Head Phillips Carbide Masonry Bits

## Green Packaging

- Cement Board Screws — Spade-Point with Nibs, Self-Drilling with nibs
- Fiber Cement Board Screws

## Orange Packaging

- Wood Working Screws — Particle Board, Hardwood, Cabinets, and Coarse Screws





# Drives, Heads, Shanks/Threads & Points



## Screw Drives & Heads

**Phillips drive:** "+" shaped recess designed to cam out before being overdriven.



### Bugle Phillips

For fastening gypsum and soft woods. Tapered bugle head seats flush with either drywall or wood application.



### Flat Phillips

For wood to steel



### Low Profile Truss

Low profile for light gauge steel connections.



### Pan Framing Phillips

For framing track to stud.



### Pan Phillips

For steel to steel. Flat bearing surface is ideal for attaching light-gauge steel to light-gauge steel.



### Pancake Phillips

Low profile for steel to steel



### Wafer Phillips

For wood to steel.



### Modified Truss Phillips

Low profile for steel track, k-lath, and hat section to studs. Provides a larger bearing area for working with softer materials.

## Square/Robertson Drive

Fits securely on driver bit, enabling one-handed fastening.



### Trim Head Square

For wood to steel. Countersunk like finishing nails.

## Combo Drive

Combination Phillips and #2 square drive. Eight-sided drive system that provides optimal driving power in wood applications.



### Combo Drive

Combination square and Phillips for 8-point drive

## Hex Washer Head

Hex head can be driven with nut driver.



### Hex Washer Head

For steel to steel.



### Hex Washer Head With

Neoprene Washer

For exterior steel to steel, such as steel roofing. Neoprene washer "seals" pieces together.



### Slotted Hex Washer Head

Has slot in head to accommodate flat-bladed bit.

## Screw Shanks/Threads

**Coarse Thread** Provides superior holding power when attaching to wood.



**Fine Thread** Provides superior holding power when attaching to light-gauge steel.



**High-Low Thread** For attaching drywall to light-gauge steel studs or wood studs. Provide higher strip-out resistance.



**Twin-Lead/Double-Lead** Two helixes spiraling around the screw shank. Provides increased holding power and potentially faster application speed. Provide higher strip-out resistance.



## Screw Points Wood Applications:



**Sharp Point** Standard screw point for fastening into wood and other medium to soft materials.



**Spade Point** Resembles a shovel or spade. Used primarily to attach cement board to wood or light-gauge steel. The spade point penetrates the board without cracking it.



**Type 17** Long, sharp point with flute, which creates its own pilot point as well as displaces some of wood pitch.

## Metal Applications:



**Self-Piercing Point** Needle point designed for use in relatively thin sections. The point literally stabs through the material, making a hole slightly smaller than the minor diameter of the threads. This allows the threads to extrude the metal for increased thread engagement and reduces the tendency to strip-out.



**Self-Drilling Point** Point designed to drill through very thin sections too thick to be pierced. The number of the point determines the drilling capacity of the fastener. The higher the number, the thicker the material can be drilled.

## Wood to Metal Applications

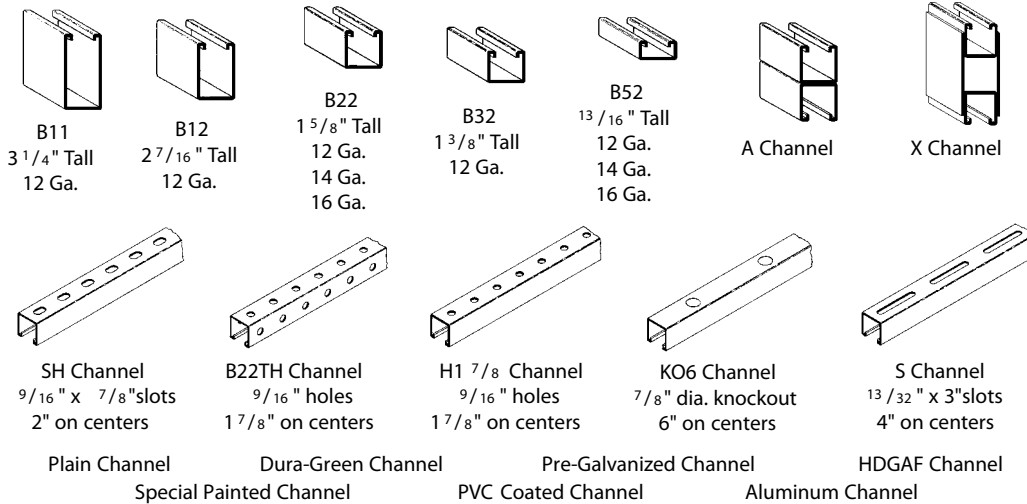


**Winged** Used with self-drilling point when attaching wood to steel or other hard material. Wings or "reamers" eliminate pre-drilling of the wood. Wings break off when they hit the second material to allow the threads to engage for a tight joinery.

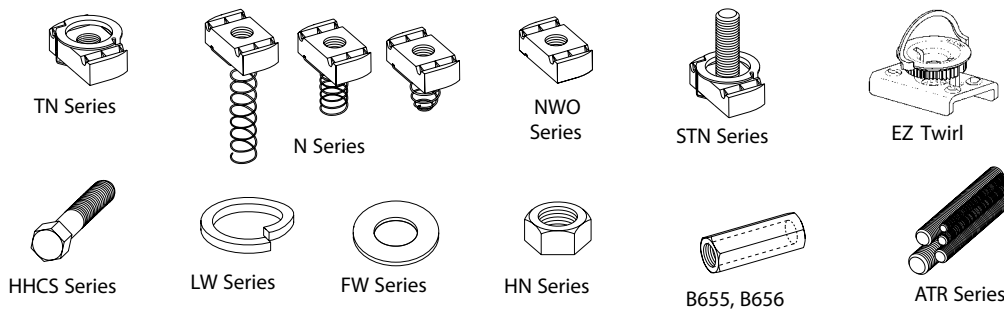


**Pilot** Used for attaching up to 3/4" to 1-1/8" materials to thin gauge steel. The leading blank shank eliminates thread engagement, which is the primary cause of jacking.

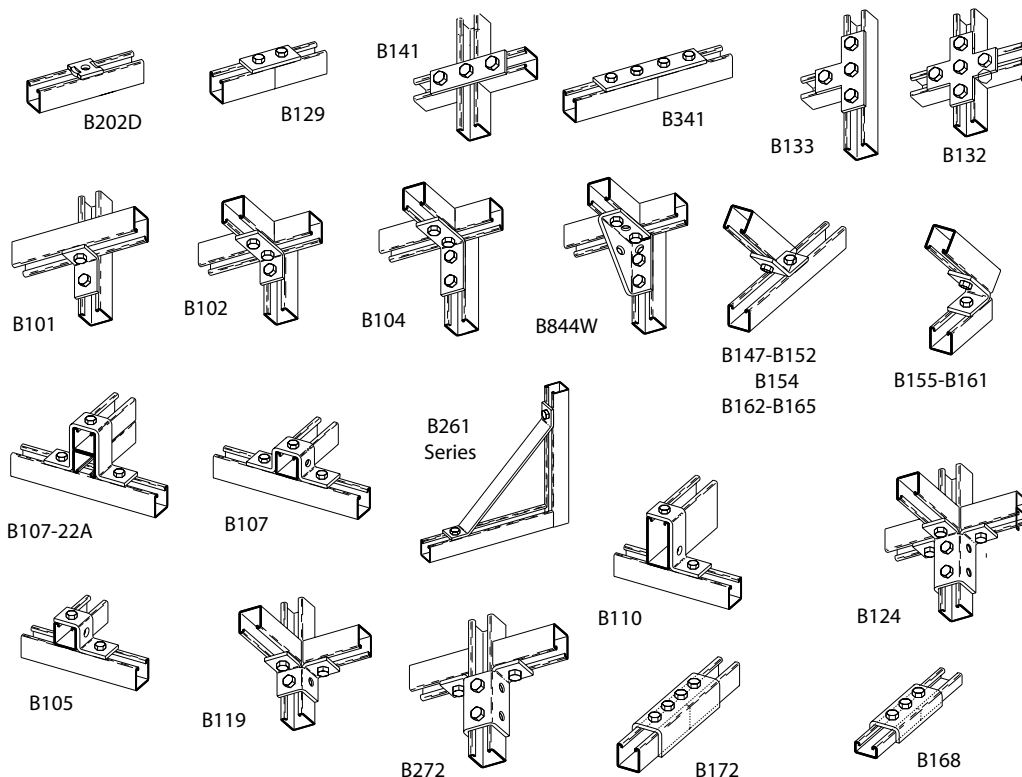
### Basic Channel 1 5/8" Wide Sections, Combinations & Hole Patterns



### Channel Nuts & Hardware



### Strut Fittings



### General Information (Channel & Fittings)

**Applications:** B-Line Systems channel is a basic structural member of the channel framing system. Use of the channel along with the appropriate fittings and attachments permit the rapid and economical construction of a virtually unlimited variety of rigid metal support structures. Channel sections are roll formed from strip steel coils while fittings are made from either steel coils or sheet. Refer to page 15 of the B-Line Strut Systems catalog for Channel Selection Table, pages 16-37 for Channel Load Data and pages 4-13 for Technical Data. Other sizing charts for conduit, pipe and tubing as well as threaded rod load charts are shown on pages 207-211 of the Strut Systems catalog.

**Materials:** B-Line's standard roll formed channels are made from Pre-Galvanized steel conforming to ASTM A653 SS, Grade 33 G90 (.45 oz. zinc/ft.<sup>2</sup>). Plain finish channels are roll formed from hot-rolled, pickled and oiled steel conforming to ASTM A570, Grade 33. Certain sections are available in Stainless Steel Type 304 & 316 (consult factory). Aluminum alloy 6063-T6 is used to extrude several channel sections and combination sections (consult factory).

**Finishes:** B-Line's standard finishes on channels are Dura-Green Epoxy and Pre-Galvanized (as shown above) while standard finishes for fittings are Dura-Green Epoxy and Zinc Plated. Plain finish is also available. (HDGAF) Hot-Dipped Galvanized After Fabrication is available on both channel and fittings (not recommended on threaded items) and conforms to one of the following applicable specifications: ASTM A123 or ASTM A153. Electro Galvanized Zinc (ZNPLT), ASTM B633, is available on most fittings and can be placed on channels per customer order. PVC coated and special paint colors are available on both channel and fittings per customer order (please consult factory).

See B-Line's Strut Systems (SS99) and Pipe Hangers & Supports (PH-00) Engineering Catalogs for more product information.

Many products comply with the following:

Manufacturers Standardization Society Specifications MSS-SP-58 and MSS-SP-69.

Federal Specification WW-H-171e.

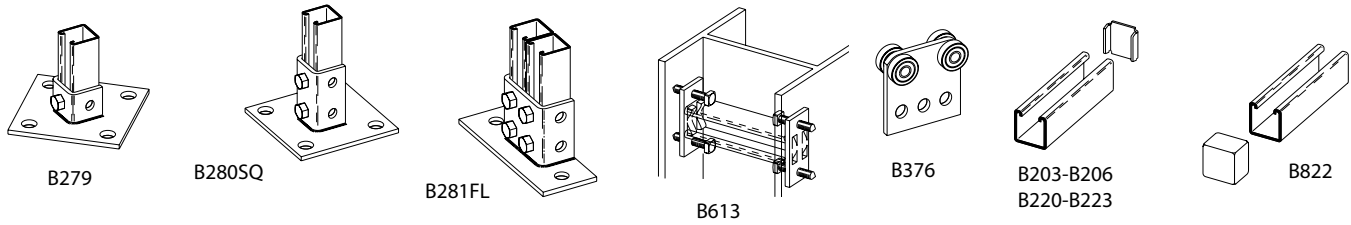
Underwriters Laboratories Surface Metal Raceways.

ASTM B633.

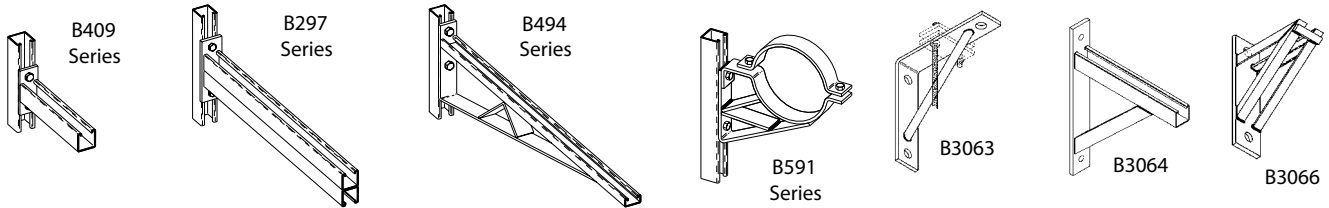
ASTM A653 SS, Grade 33 G90

ASTM A570, Grade 33

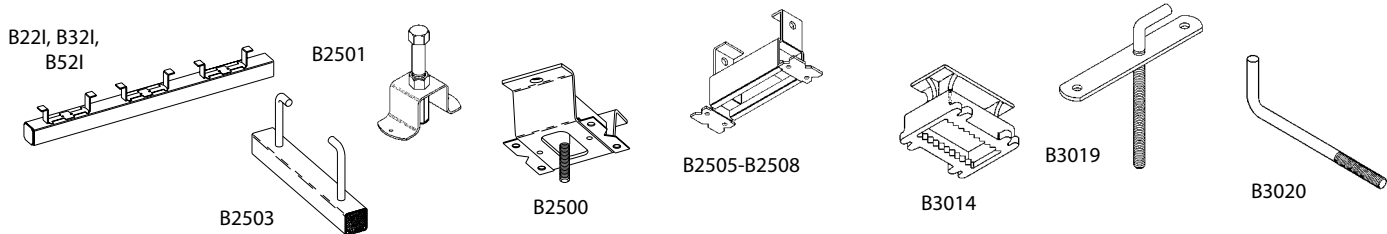
**Strut Fittings**



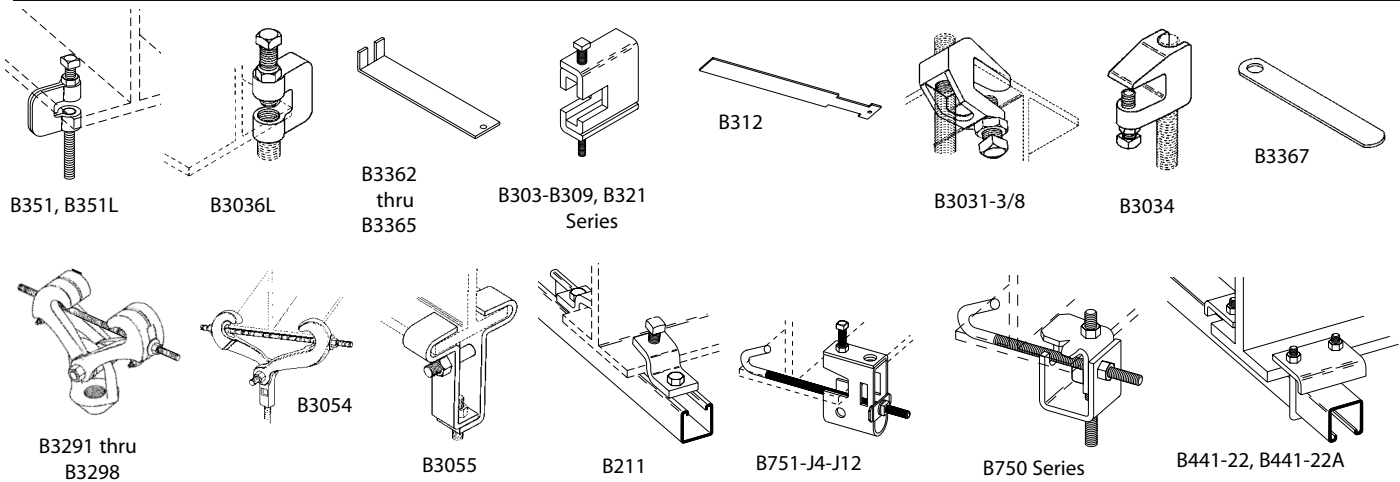
**Brackets**



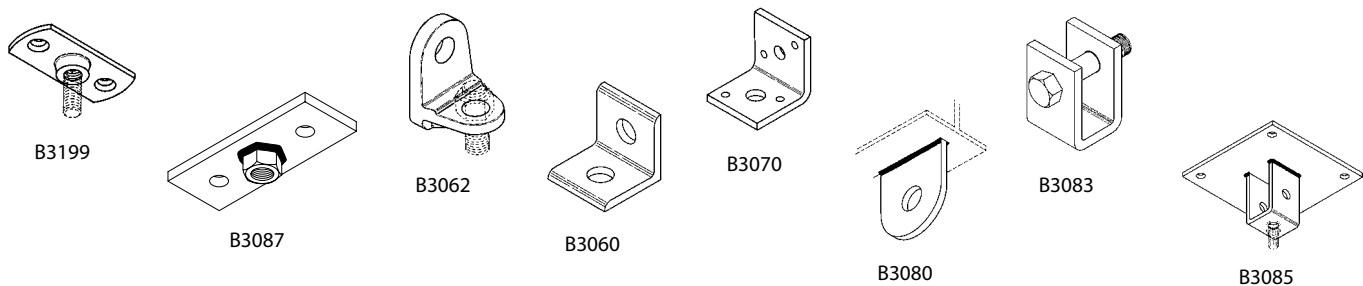
**Concrete Inserts - Continuous & Spot**



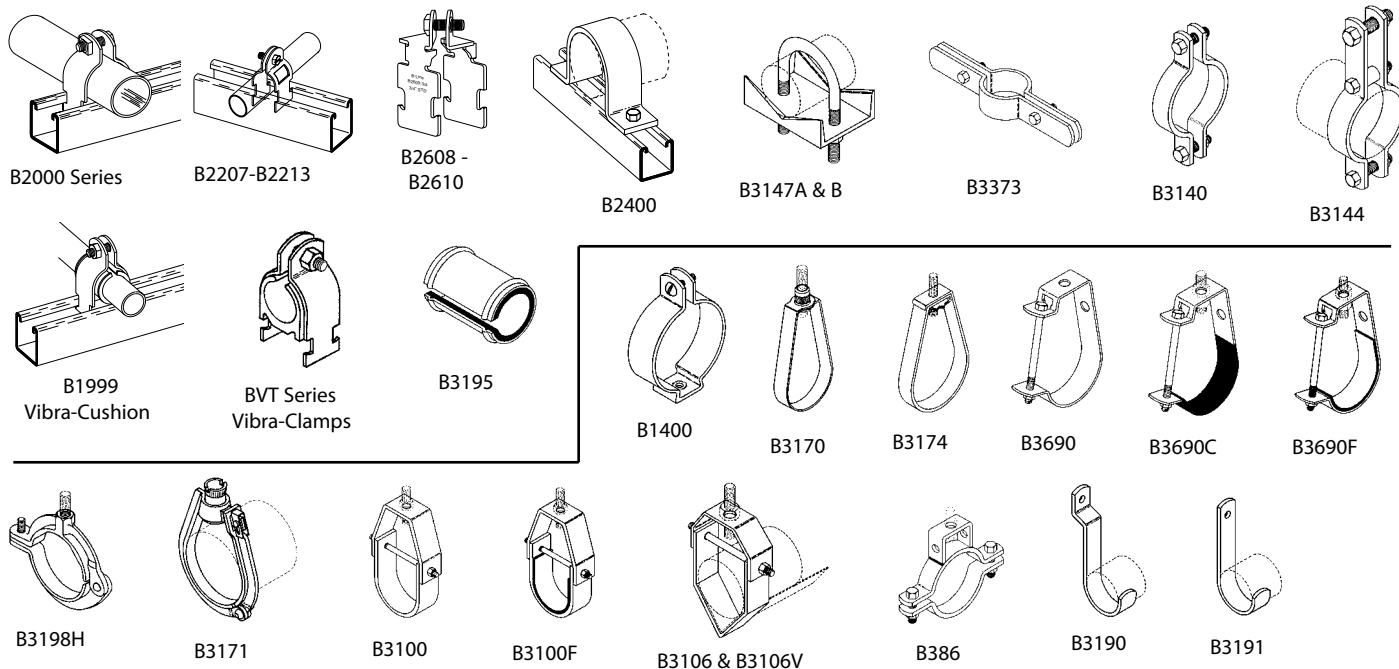
**Beam Clamps**



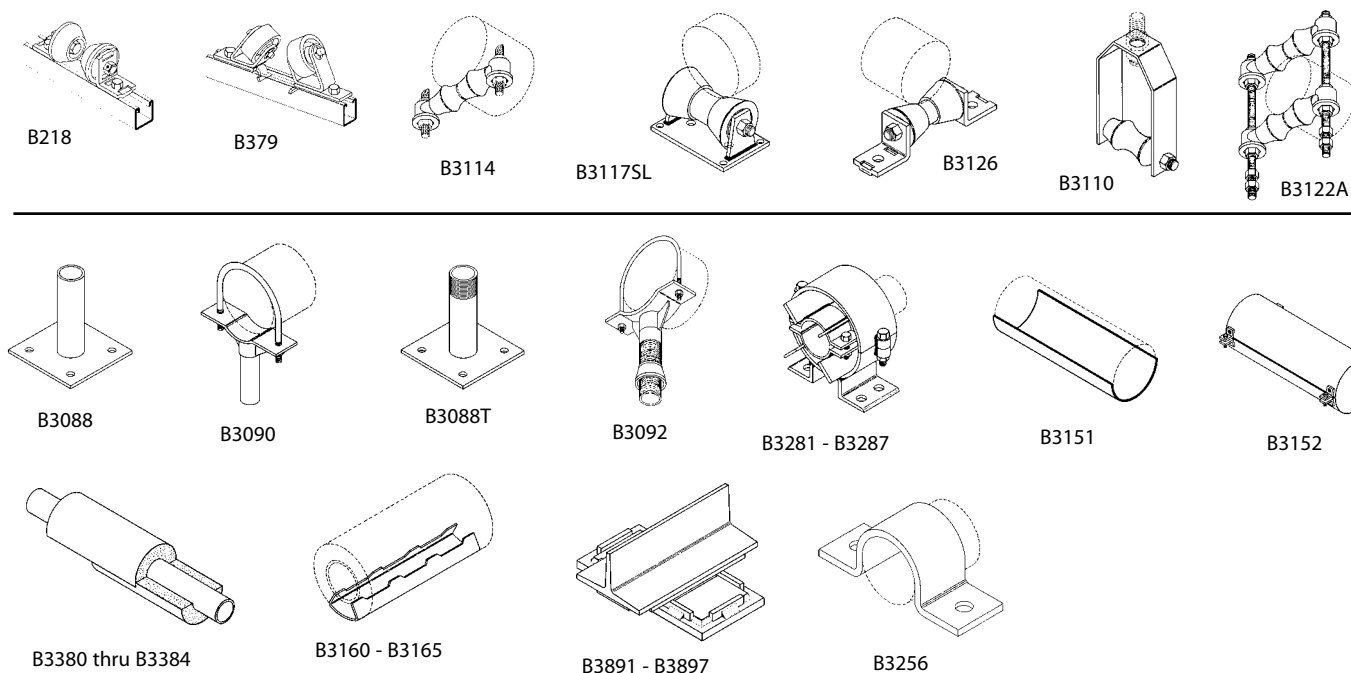
**Upper Attachments**



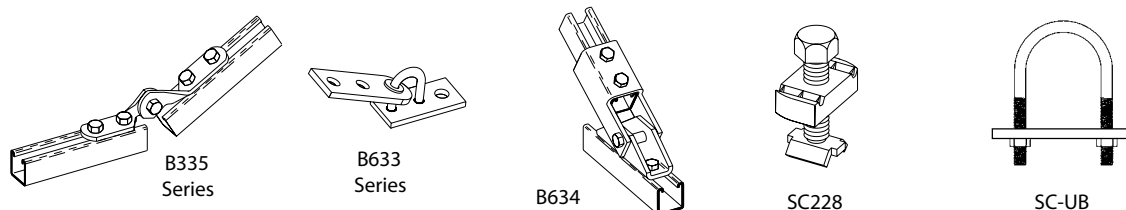
## Pipe Clamps & Hangers



## Rollers, Guides & Saddles



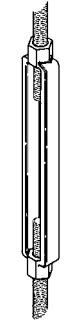
## Seismic Fittings



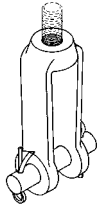


## Pipe Hangers & Supports

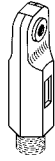
### Accessories



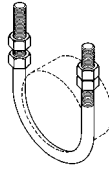
B3202



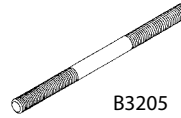
B3201



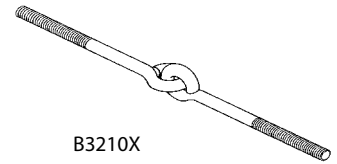
B3203



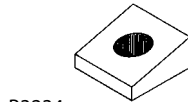
B3188



B3205



B3210X



B3234



B3213

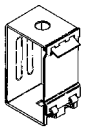


B3200

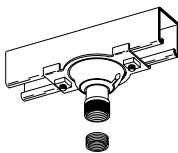


B3223

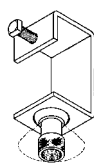
### Electrical Accessories



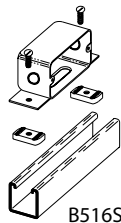
B616  
Series



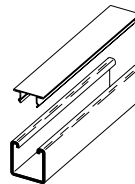
B390S



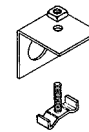
B465



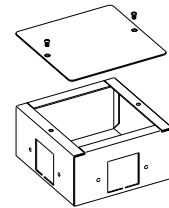
B516S



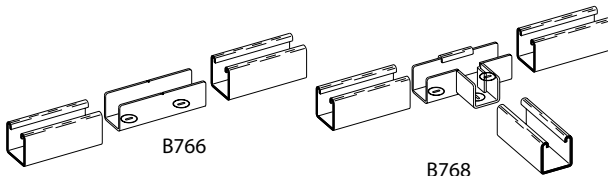
B217, B217P



B392  
Series

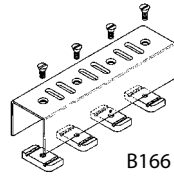


B718

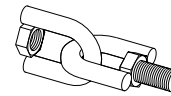


B766

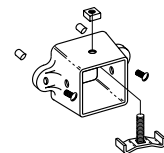
B768



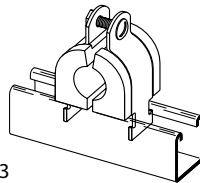
B166  
Series



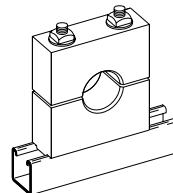
B446 Series



B719

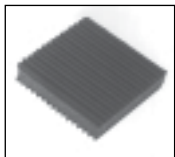


B4060 thru B4093  
Porcelain Clamps



B4033 Series  
Maple Clamps

### VibraTrol™ Accessories



CNP



VRP



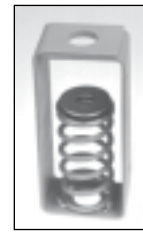
ANH



HMLT/HMT



HMLE/HME



HSL/HS



HESL/HES

## AHD Access Door Non-Rated General Purpose

**Material:** 16 gauge steel  
**Hinge:** hidden pin hinge continuous piano type over 24" (height or width)  
**Lock/latch:** screwdriver operated cam latch  
**Finish:** phosphate dipped steel with DuPont high quality grey powder coat epoxy primer  
**Packaging:** wrapped individually

### OPTIONS

**Locks:** cylinder lock and key, anti-theft screws, Allen head hex lock, handle operated cam latch  
**Material:** stainless steel 304 #4 (brushed finish)  
**Finish:** white  
**Gasketing:** neoprene gasket



## CTR Access Door General Purpose with Hidden Flange

**Material:** 16 gauge steel  
**Hinge:** concealed, exclusive hinge design  
**Lock/latch:** screwdriver operated cam latch  
**Finish:** phosphate dipped steel with DuPont high quality grey powder coat epoxy primer  
**Packaging:** wrapped individually

### OPTIONS

**Locks:** cylinder lock and key, anti-theft screws, Allen head hex lock, handle operated cam latch  
**Material:** stainless steel 304 #4 (brushed finish)  
**Finish:** white  
**Gasketing:** neoprene gasket



## TRH Roof Hatch

**Cover:** 14 gauge galvanized steel with 1" fiberglass insulation  
**Curb:** 14 gauge galvanized steel with 1" fiber board insulation  
**Seal:** "D" -foam adhesive gasket provides a flush and tight fit  
**Finish:** rust-inhibiting grey primer  
**Components:** 2 gas cylinders, retaining bar handles

### OPTIONS

**Material:** stainless steel  
 Telescopic pole  
 Safety bar



## PFI Access Door Fire Rated Insulated For ceilings, walls and floors

**Fire rating:** 2 hour fire barrier, 1 ½ hour B label, maximum temperature rise after 30 minutes 250° F (139° C) after 60 minutes 450° F (250° C) Warnock Hersey file #: L-14031 for ceiling one (1) hour combustible rating and three (3) hour non-combustible rating MEA # 507-06-M  
**For wall:** in conformity with the following codes: UL10b, UL-555, ASTM E152, NFPA 252 & ULC-S104

**For ceiling and floor:** in conformity with the following code: UBC 43-7 for ceiling installation

**Material:** 16 gauge steel frame and 20 gauge satin coated steel door  
**Insulation:** mineral wool  
**Hinge:** continuous piano hinge allows opening to 165°  
**Lock/latch:** self latching tool-key operated latch and /or ring operated latch, both included

**Inside panel release:** standard on all doors

**Automatic panel closer:** standard on all doors  
**Finish:** DuPont high quality grey powder coat epoxy primer  
**Packaging:** wrapped individually in a box



## PFN Access Door Fire Rated Uninsulated For walls only

**Fire rating:** 2 hour fire barrier, 1 ½ hour B label, Warnock Hersey file #: L-14031 in conformity with the following codes: UL10b, UL-555, ASTM E152, NFPA 252 and ULC-S104 MEA # 507-06-M

**Material:** 16 gauge steel  
**Hinge:** continuous piano hinge allows opening to 165°  
**Lock/latch:** self latching tool-key operated latch and /or ring operated latch, both included

**Inside panel release:** standard on all doors

**Automatic panel closer:** standard on all doors  
**Finish:** phosphate dipped steel with DuPont high quality grey powder coat epoxy primer  
**Packaging:** wrapped individually in a box



## 16 GAUGE FINISH AIR NAILERS

**T250A-F16 - ANGLED #500910**

**T250S-F16 - STRAIGHT #501680**

- Designed for precision work, cleanly sets nails with open line of sight
- 16 gauge, for high quality craftsmanship
- Compact, able to get into tight spots
- Powerful, drives 3/4" – 2 1/2" nails into the hardest wood



T250S-F16



T250A-F16

## CORDLESS 16 GAUGE FINISH NAILERS

**#900600 - ANGLED**

**#902000 - STRAIGHT**

- Precise and compact, open line of sight shoots where you want it to!
- Reliable power, delivers consistent drive energy in all types of wood
- Lightweight, easy on the arms!
- Powerful, drives 3/4" – 2 1/2" nails into the hardest wood



Uses short yellow fuel #650039  
- 1200 shots per cell



## CORDLESS FRAMING SYSTEM

**CF325 #902200**

- Redesigned nose for toe-nailing at any angle
- Faster, more productivity
- 5x longer before cleaning
- New quicklode™ fuel, just drop in and go!
- Drives 2" – 3 1/4" nails, full head/clipped



### **Fuel+Nail** Combo PACK

3,000 nails & 3 fuel cells or 1,000 nails & 1 fuel cell — more than enough fuel to shoot an entire box!



Drives deeper through the hardest lumber, even LVL!

## CORDLESS 18 GAUGE BRAD NAILER

**#901000**

- 18 gauge, virtually eliminates marring and wood splitting
- Reliable, accurately nails cabinetry and all fine materials
- Lightweight, easy on the arms!
- Powerful, drives 5/8" – 2" nails into the hardest wood



Uses short yellow fuel #650039  
- 1200 shots per cell

## Track-It® C3 & C3ST - Speed & Durability in One Tool

### 1/2" STEEL PIN (STEP SHANK WITH ROLLED POINT)

PART#	DESCRIPTION	BOX	CARTON
55020	1/2" Steel Pin	1000	5000

Designed for use in A36 and A572 steel beams and purlins.

### STANDARD PINS (SMOOTH SHANK WITH ROLLED POINT)

PART#	DESCRIPTION	BOX	CARTON
55022B	3/4" Black	1000	5000
55024	1" Zinc	1000	5000
55026	1-1/4" Zinc	1000	5000
55028	1-1/2" Zinc	1000	5000

Designed for use in Concrete and Masonry. All pins are zinc plated for a minimum level of corrosion resistance.

### STANDARD PINS WITH BREAK-FREE COLLATION (SMOOTH SHANK WITH ROLLED POINT)

PART#	DESCRIPTION	BOX	CARTON
55032	3/4" Zinc	1000	5000
55033	1" Zinc	1000	5000
55034	1-1/4" Zinc	1000	5000
55035	1-1/2" Zinc	1000	5000

Plastic collation breaks completely free of pin during installation.

### PLYWOOD TO STEEL PIN (SPIRAL KNURL SHANK WITH ROLLED POINT)

PART#	DESCRIPTION	BOX	CARTON
50036	1-3/8" Mechanica Zinc	1000	5000

Designed for use to attach plywood to light gage steel framing.

### BULLSEYE PINS (STEP SHANK WITH ROLLED POINT)

PART#	DESCRIPTION	BOX	CARTON
55085	680 Step Shank Pin	1000	5000
55087	730 Step Shank Pin	1000	5000

Designed for use in hard aggregate and precast concrete.

### TRACK-IT POLE TOOL

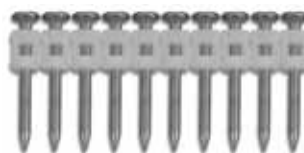
PART#	DESCRIPTION	BOX
55049*	6' Pole Tool	1
55051*	8' Pole Tool	1
*Pole Tool comes complete with C3ST Track-It Tool (Short Track Tool)		
55053	6' Pole Tool	1
55055	8' Pole Tool	1



55020



55022



55032



55036



55085



55010



55040



55011



55002

The original Track-It Gas Fastening Tool is significantly lighter, faster and more reliable than competitive gas tools. This durable tool will keep your project on schedule and reduce downtime due to maintenance and repairs.

Compact design allows for more maneuverability in tight spots.

### WASHERS

PART#	DESCRIPTION	BOX	CARTON
55040	1" with holes	100	1000
55157	Denz-Tight™ Washer	100	1000

### TRACK-IT FUEL CELL

55010	Track-It Fuel Cell	20	80
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Works in temperatures down to 10° F.

### TRACK-IT C3 & C3ST TOOLS

55011	C3 Track-It	1	1
55002	C3 Track-It (Short Track)	1	1

Tools comes with case, charger and two batteries.



## The revolutionary Track-It® C4 - Versatile!



The Trak-It C4 and C4EX gas fastening systems were developed for use in high volume production applications. Powerful rugged tools for fastening wood to concrete or steel. The systems are designed for speed, increased power and durability. The C4 CZ tool was designed for use with single shot powder pins together with gas fastening technology. Operation of a gas fastening system does not require licensing.



### TRACK-IT FUEL CELL

55115	C4 Track-It Fuel Cell	20	80
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Works in temperatures down to 10° F.

### C4 STRAIGHT AND TAPER PINS

PART#	DESCRIPTION	BOX	CARTON
55111	3/4" Pin	800	4000
55113	1" Pin	800	4000
55130	3/4" Straight Shank Pin	800	4000
55132	1" Straight Shank Pin	800	4000
55124	2-1/4" Pin	800	4000
55128	2-1/2" Pin	800	4000
55145	2-9/16" Taper Pin	800	4000
55147	2-9/16" Taper Pin w/Washer	800	4000
55161	.500 Pin, (Knurled)	800	4000
55163	.680 Pin, (Knurled)	800	4000
55165	.730 Pin, (Knurled)	800	4000
55116	1-1/4" Pin	800	4000
55118	1-1/2" Pin	800	4000
55172	1" Wood / Steel Pin, (Knurled)	800	4000
55173	1-1/4" Wood / Steel Pin, (Knurled)	800	4000
55174	2" Wood / Steel Pin, (Knurled)	800	4000

### C4 STEP SHANK PINS

PART#	DESCRIPTION	BOX	CARTON
55134	1-1/4" Step Shank Pin	800	4000
55136	1-1/2" Step Shank Pin	800	4000
55141	1-7/8" Step Shank Pin, (Knurled)	800	4000
55138	2-3/8" Step Shank Pin	800	4000
55140	2-1/2" Step Shank Pin	800	4000
55139	2-1/4" Step Shank Pin	800	4000

### C4 COATED STEP SHANK PINS (ACQ)

PART#	DESCRIPTION	BOX	CARTON
55167	1" Step Shank Pin ACQ, (Knurled)	800	4000
55169	1-1/4" Step Shank Pin ACQ, (Knurled)	800	4000
55171	2" Step Shank Pin ACQ, (Knurled)	800	4000

### WASHER

55149	1" Square Washer (Stick E)	800	-
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Each box of pins come packaged with one fuel cell.

### TRACK-IT C4 TOOLS

PART#	DESCRIPTION	BOX	CARTON
55112	C4 Track-It	1	1
55127	C4-EX Track-It	1	1
55133	C4-CZ Track-It	1	1



55165



55139



55171



55149

## The Industry's Newest, Lightest and Most Powerful Gas Tool



### Trak-It® C5

The all new fuel injected Trak-It C5 cordless concrete pin nailer is the lightest and smallest tool in its class, resulting in less operator fatigue and a better overall ergonomic feel. C5 has the greatest power output at 105 Joules, which allows for shooting into even the hardest concrete, able to shoot pins up to 1-1/2" in length, and is the only tool in its class that shoots .102, .108, .120 and .145 diameter pins. No other tool can make this claim! Size - Lower profile is achieved by a new patented combustion chamber design

#### TRACK-IT C5 TOOLS

PART#	DESCRIPTION	BOX	CARTON
55142	C5 Deep Track (1.25)	1	1
55144	C5 Short Track (1.25)	1	1
55148	C5 Long Track (1.5)	1	1

#### C5 TRACK-IT FUEL CELL

55302	C5 Track-It Fuel Cell	20	80
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Works in temperatures down to -10° F.



55336



55340

#### STANDARD .102 STRAIGHT PINS

PART#	DESCRIPTION	BOX	CARTON
55310	3/4" Zinc	800	4000
55312	1" Zinc	800	4000
55314	1-1/4" Zinc	800	4000
55316	1-1/2" Zinc	800	4000

#### STANDARD .145 STRAIGHT PINS

PART#	DESCRIPTION	BOX	CARTON
55318	3/4" Zinc	800	4000
55320	1" Zinc	800	4000

#### CONCRETE AND STEEL PINS STRUCTURAL

PART#	DESCRIPTION	BOX	CARTON
55336	1" Zinc Knurled	800	4000
55338	1-1/4" Zinc Knurled	800	4000
55322	1-1/4" Zinc	800	4000
55324	1-1/2" Zinc	800	4000

#### SPECIALTY TAPERED SHORT PINS

PART#	DESCRIPTION	BOX	CARTON
55326	1/2" Zinc Knurled	800	4000
55328	.680 Zinc Knurled	800	4000
55330	.730 Zinc Knurled	800	4000
55342	.780 Zinc Knurled	800	4000

#### SPECIALTY SPIRAL KNURL PIN

PART#	DESCRIPTION	BOX	CARTON
55340	1-3/8" Zinc Knurled/Spiral	800	4000

#### PRESSURE TREATED LUMBER PINS

PART#	DESCRIPTION	BOX	CARTON
55332	1" ACQ Knurled	800	4000
55334	1-1/4" ACQ Knurled	800	4000



55310



55318



55326



## Power-Stud+® SD1

### Wedge Expansion Anchor For Use With Strength Design

The Power-Stud+ SD1 anchor is a fully threaded, torque-controlled, wedge expansion anchor which is designed for consistent performance in cracked and uncracked concrete. Suitable base materials include normal-weight concrete, structural sand-lightweight concrete and concrete over metal deck. The anchor is manufactured with a zinc plated carbon steel body and expansion clip. Nut and washer are included.

#### CODE LISTINGS

**ICC-ES ESR 2818:** Category 1 Cracked & Uncracked Concrete

**ICC-ES ESR 2966:** Concrete Masonry Units (CMU)

#### POWER-STUD+ SD1 CARBON STEEL BODY & EXPANSION CLIP

PART#	SIZE	THREAD LENGTH	BOX	CARTON
7400SD1	1/4" x 1-3/4"	3/4"	100	600
7402SD1	1/4" x 2-1/4"	1-1/4"	100	600
7404SD1	1/4" x 3-1/4"	2-1/4"	100	600
7410SD1	3/8" x 2-1/4"	7/8"	50	300
7412SD1	3/8" x 2-3/4"	1-3/8"	50	300
7413SD1	3/8" x 3"	1-5/8"	50	300
7414SD1	3/8" x 3-1/2"	2-1/8"	50	300
7415SD1	3/8" x 3-3/4"	2-3/8"	50	300
7416SD1	3/8" x 5"	3-5/8"	50	300
7417SD1	3/8" x 7"	5-5/8"	50	200
7420SD1	1/2" x 2-3/4"	1"	50	200
7422SD1	1/2" x 3-3/4"	2"	50	200
7423SD1	1/2" x 4-1/2"	2-3/4"	50	200
7424SD1	1/2" x 5-1/2"	3-3/4"	50	150
7426SD1	1/2" x 7"	5-1/4"	25	100
7427SD1	1/2" x 8-1/2"	6-3/4"	25	100
7428SD1	1/2" x 10"	8-1/4"	25	100
7430SD1	5/8" x 3-1/2"	1-1/2"	25	100
7432SD1	5/8" x 4-1/2"	2-1/2"	25	100
7433SD1	5/8" x 5"	3"	25	100
7434SD1	5/8" x 6"	4"	25	75
7436SD1	5/8" x 7"	5"	25	75
7438SD1	5/8" x 8-1/2"	6-1/2"	25	50
7439SD1	5/8" x 10"	8"	25	50
7440SD1	3/4" x 4-1/2"	1-3/4"	20	60
7441SD1	3/4" x 4-3/4"	2-1/4"	20	60
7442SD1	3/4" x 5-1/2"	3"	20	60
7444SD1	3/4" x 6-1/4"	3-3/4"	20	60
7446SD1	3/4" x 7"	4-1/2"	20	60
7448SD1	3/4" x 8-1/2"	6"	10	40
7449SD1	3/4" x 10"	7-1/2"	10	40
7451SD1	3/4" x 12"	9-1/2"	10	40
7450SD1	7/8" x 6"	2-3/4"	10	20
7452SD1	7/8" x 8"	4-3/4"	10	40
7454SD1	7/8" x 10"	6-3/4"	10	30
7461SD1	1" x 6"	2-3/8"	10	30
7463SD1	1" x 9"	5-3/8"	10	20
7465SD1	1" x 12"	8-3/8"	5	10
7473SD1	1-1/4" x 9"	4-3/4"	5	15
7475SD1	1-1/4" x 12"	7-3/4"	5	15

The published length is the overall length of anchor. Allow for fixture thickness plus one anchor diameter for the nut & washer thickness when selecting a length.

## Lok-Bolt AS®

### Sleeve Type Expansion Anchor

The Lok-Bolt AS is an all steel pre-assembled single unit sleeve anchor which can be used in concrete or masonry units. Available in multiple head styles for multiple applications and finished appearance, extension sleeves can be added to create longer lengths.

#### HEX NUT LOK-BOLT AS™ CARBON STEEL

PART#	SIZE	DRILL DIA.	MIN. EMBED	BOX	CARTON
5005S	5/16" x 1-1/2"	5/16"	1-1/4"	100	1000
5010S	5/16" x 2-3/8"	5/16"	1-1/2"	100	500
5015S	3/8" x 1-7/8"	3/8"	1-1/2"	50	500
5020S	3/8" x 3"	3/8"	1-1/2"	50	500
5022S	3/8" x 4"	3/8"	1-1/2"	50	250
5025S	1/2" x 2-1/2"	1/2"	1-7/8"	25	250
5030S	1/2" x 3"	1/2"	1-7/8"	25	250
5034S	1/2" x 3-3/4"	1/2"	2-1/4"	25	125
5033S	1/2" x 5-1/4"	1/2"	2-1/4"	25	125
5032S	1/2" x 6"	1/2"	2-1/4"	10	100
5035S	5/8" x 2-1/2"	5/8"	2"	25	125
5038S	5/8" x 3"	5/8"	2"	25	125
5040S	5/8" x 2-3/4"	5/8"	2-3/4"	10	100
5045S	5/8" x 5-3/4"	5/8"	2-3/4"	10	100
5050S	3/4" x 2-3/4"	3/4"	2-1/4"	10	100
5055S	3/4" x 4-1/4"	3/4"	3-3/8"	10	40
5060S	3/4" x 6-1/4"	3/4"	3-3/8"	10	30
5065S	3/4" x 8-1/4"	3/4"	3-3/8"	10	30

The published length is measured from below the washer to the end of the anchor.

#### HEX NUT LOK-BOLT AS™ 304 STAINLESS STEEL

PART#	SIZE	DRILL DIA.	MIN. EMBED	BOX	CARTON
6152S	3/8" x 1-7/8"	3/8"	1-1/2"	50	500
6153S	3/8" x 3"	3/8"	1-1/2"	50	500
6156S	1/2" x 2-1/2"	1/2"	1-7/8"	25	250
6157S	1/2" x 3"	1/2"	1-7/8"	25	250
6160S	1/2" x 3-3/4"	1/2"	2-1/4"	25	125
6164S	5/8" x 4-1/4"	5/8"	2-3/4"	10	100

The published length is measured from below the washer to the end of the anchor.



## Wedge-Bolt® + Screw Anchor

The Wedge-Bolt+ anchor is a one piece, heavy duty screw anchor with a finished hex head. It is simple to install, easy to identify and fully removable. The Wedge-Bolt+ has many features and benefits that make it well suited for many applications in a variety of base materials. The anchor is designed for consistent and reliable performance in cracked and uncracked concrete.

**Install with Powers Wedge-Bit™**

### CODE LISTINGS

**ICC-ES ESR 2526:** Category 1 Cracked & Uncracked Concrete  
**ICC-ES ESR 1678:** Concrete Masonry Units (CMU)

### WEDGE-BOLT®+ SCREW ANCHOR (CARBON STEEL)

PART#	SIZE	MIN. EMBED.	BOX	CARTON
7204SD	1/4" x 1-1/4"	1"	100	600
7206SD	1/4" x 1-3/4"	1"	100	600
7208SD	1/4" x 2-1/4"	1-3/4"	100	600
7210SD	1/4" x 3"	1-3/4"	100	500
7220SD	3/8" x 1-3/4"	1-1/2"	50	300
7222SD	3/8" x 2-1/2"	2-1/8"	50	300
7224SD	3/8" x 3"	2-1/8"	50	250
7226SD	3/8" x 4"	2-1/8"	50	250
7228SD	3/8" x 5"	2-1/8"	50	250
7230SD	3/8" x 6"	2-1/8"	50	150
7240SD	1/2" x 2"	1-3/4"	50	150
7242SD	1/2" x 2-1/2"	1-3/4"	50	200
7244SD	1/2" x 3"	2-1/2"	50	150
7246SD	1/2" x 4"	2-1/2"	50	150
7248SD	1/2" x 5"	2-1/2"	25	100
7250SD	1/2" x 6"	2-1/2"	25	75
7268SD	1/2" x 6-1/2"	2-1/2"	25	75
7252SD	1/2" x 8"	2-1/2"	25	75
7260SD	5/8" x 3"	2-1/2"	25	100
7262SD	5/8" x 4"	3-1/4"	25	100
7264SD	5/8" x 5"	3-1/4"	25	75
7266SD	5/8" x 6"	3-1/4"	25	75
7270SD	5/8" x 8"	3-1/4"	25	75
7280SD	3/4" x 3"	2-1/2"	20	60
7282SD	3/4" x 4"	3"	20	60
7284SD	3/4" x 5"	4-1/4"	20	60
7286SD	3/4" x 6"	4-1/4"	20	60
7288SD	3/4" x 8"	4-1/4"	10	40
7290SD	3/4" x 10"	4-1/4"	10	40

The published length is measured from below the hex washer head to the end of the anchor. Wedge-Bolt+ is marked with a blue tip and must be installed with a matched tolerance Wedge-Bit.

### WEDGE-BOLT®+ MG SCREW ANCHOR

PART#	SIZE	BOX	CARTON
7726SD	3/8" x 4"	50	250
7728SD	3/8" x 5"	50	250
7730SD	3/8" x 6"	50	150
7746SD	1/2" x 4"	50	150
7748SD	1/2" x 5"	25	100
7750SD	1/2" x 6"	25	75
7751SD	1/2" x 6-1/2"	25	75
7752SD	1/2" x 8"	25	75
7764SD	5/8" x 5"	25	75
7766SD	5/8" x 6"	25	75
7768SD	5/8" x 6-1/2"	25	75
7770SD	5/8" x 8"	25	75
7786SD	3/4" x 6"	20	60
7789SD	3/4" x 8-1/2"	10	40
7790SD	3/4" x 10"	10	20



## Wedge-Bit™

For proper performance, the Carbon Steel Wedge-Bolt and 410 Stainless Steel Wedge-Bolt anchors must be installed with a Wedge-Bit. The Wedge-Bit has a special matched tolerance range designed to provide optimum performance for the anchor.

### SDS PLUS WEDGE-BIT™

PART#	DRILL SIZE	USABLE LENGTH	OVERALL LENGTH	STD. POUCH.
1312	1/4"	2"	4"	1
1314	1/4"	4"	6"	1
1316	3/8"	4"	6"	1
1318	3/8"	6"	8"	1
1319	3/8"	16"	18"	1
1332	3/8"	10"	12"	1
1320	1/2"	4"	6"	1
1322	1/2"	8"	10"	1
1324	5/8"	6"	8"	1
1334	1/2"	10"	12"	1
1326	5/8"	10"	12"	1
1336	5/8"	16"	18"	1
1328	3/4"	6"	8"	1
1330	3/4"	10"	12"	1
1335	1/2"	16"	18"	1



# Pre-Tied Ceiling Grid Wire

## With Shooter Clips For Concrete

**Pre-tied grid wires are a real time saver in the field!**

All clips are available attached to either 4', 6', 8', or 12' ceiling grid wire (12 gauge). Most powder actuated tools can be used on an extension pole allowing you to support light fixtures, speakers, ceiling grid, cable runs and more to a concrete ceiling from the floor.

### Features:

- Assembled in USA
- For Simpson, Hilti, Ramset and other powder actuated tools



### Pre-Tied Ceiling Clip with Top Head Pin

The most popular ceiling clip. These clips have a ballistic point pin which has a better success rate in harder concrete. Available in 1" pin lengths. Pre-tied to your choice of 4', 6', 8', 10', 12' or 16' wire. Packed 100 per bundle.

Part#	Description	Pcs/ Bundle
PTTH1124	4' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100
PTTH1126	6' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100
PTTH1128	8' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100
PTTH11210	10' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100
PTTH11212	12' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100
PTTH11216	16' Pre-tied Ceiling Clip with 1" Top Head Pin & 12Ga Wire	100

*Special lengths and wire gauges available upon request.*



### Pre-Tied Ceiling Clip with Regular Pin

This is a clip with a standard pin. Good for average concrete or metal deck with concrete on top. Available in 1 1/4" pin lengths. Pre-tied to your choice of 4', 6', 8', 10', 12' or 16' wire. Packed 100 per bundle.

Part#	Description	Pcs/ Bundle
PTRP125124	4' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100
PTRP125126	6' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100
PTRP125128	8' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100
PTRP1251210	10' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100
PTRP1251212	12' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100
PTRP1251216	16' Pre-tied Ceiling Clip with 1-1/4" Regular Pin & 12Ga Wire	100

*Special lengths and wire gauges available upon request.*

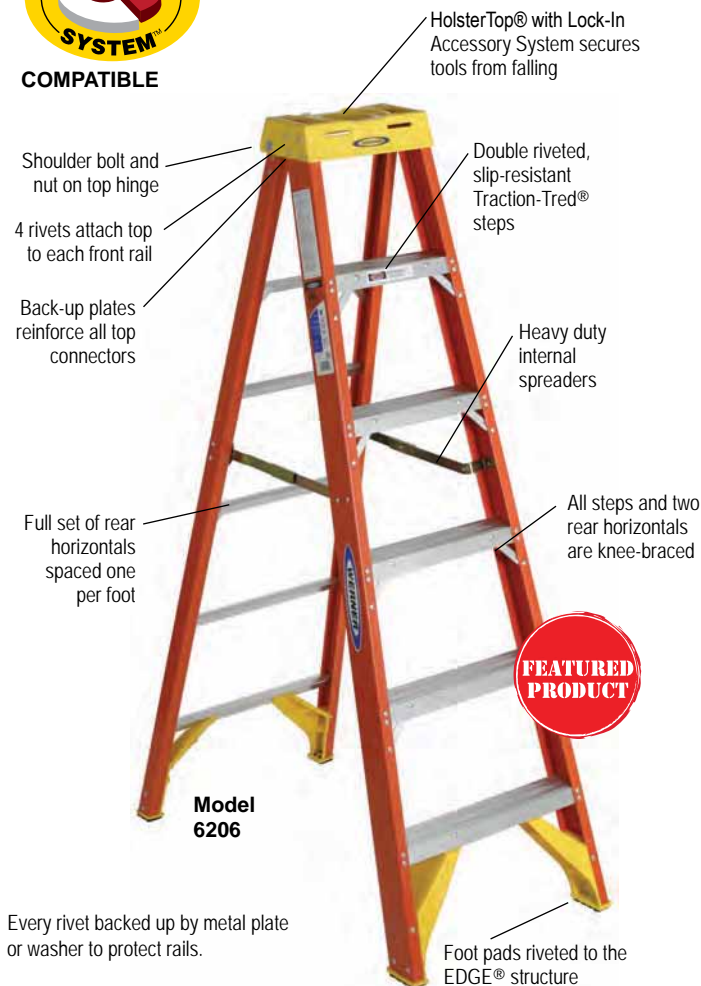
## 6200SERIES

★★★★300lbs. *Load Capacity*, **Type IA Duty Rating**



COMPATIBLE

**STYLE: Stepladder**



Every rivet backed up by metal plate or washer to protect rails.



The Lock-In Accessory System lets you customize your ladder top and safely secure your tools.

EDGE® bracing provides enhanced strength and increased protection against damage.

Model No.	Size	Approx. Width	Approx. Spread	Shipping Wt. [lb]
6203	3'	18-1/8"	23-1/8"	13.0
6204	4'	19-7/8"	29"	16.0
6205	5'	21-5/8"	35-1/8"	19.0
6206	6'	23-3/8"	41-1/4"	22.0
6207	7'	25-1/8"	47-1/2"	26.0
6208	8'	26-7/8"	53-5/8"	30.0
6210	10'	30-3/8"	65-7/8"	39.0
6212	12'	33-7/8"	78-1/4"	48.0

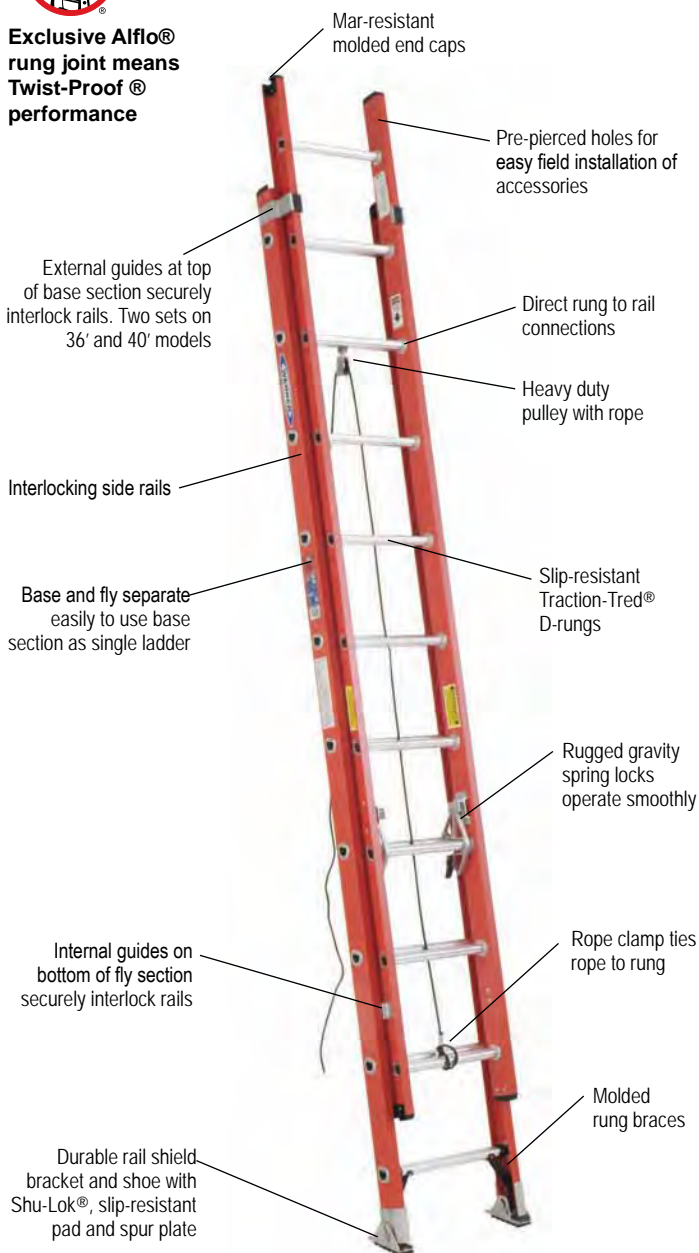
## D6200SERIES

★★★★300lbs. *Load Capacity*, **Type IA Duty Rating**



**Exclusive Alflo® rung joint means Twist-Proof® performance**

**STYLE: D-Rung Extension/Straight Ladder**



**Model D6220-2**

Model No.	Total Length Sections	Approx. Cu. Ft. Per Unit	Maximum Working Length	Shipping Wt. [lb]
D6220-2	20'	8.7	17'	44.5
D6224-2	24'	10.3	21'	52.0
D6228-2	28'	12.0	25'	59.5
D6232-2	32'	13.7	29'	71.5
D6236-2	36'	15.3	32'	84.5
D6240-2	40'	17.0	35'	92.5

### Window and Siding Sealants



#### QUAD®

Advanced Formula Sealant for Windows, Doors and Siding • All Weather • Self Tooling • For Wet or Dry surfaces • Will not Crack or Yellow • Permanently Flexible • Paintable • VOC formula • Exterior Use • Professional 4" nozzle • 3500 color matches and counting...



#### H2U

High Performance Sealant for Window, Door, Siding and Trim • Permanently Flexible • Superior Durability • Easy Water Clean Up • Paintable • Professional 4" nozzle • GreenGuard certified • Interior/Exterior use



#### EP-1000

Enhanced Polyurethane Sealant for Windows, Doors, Siding and Trim • Fast Dry • For Wet or Dry Surfaces • Will not Crack or Yellow • Permanently Flexible • Paintable • 4" Professional nozzle • Interior/Exterior use



#### VP-275

Multi-Purpose 100% Silicone Sealant provides excellent adhesion to most substrates • Will Not Crack or Split • Bonds to porous & non-porous surfaces • Durable • Water Resistant • Permanently Flexible • Superior Resistance to UV light and temperature variations • Interior/Exterior Use



#### HM-270

Construction Silicone Sealant for glazing and sealing • Withstands wide range of temperatures • Permanently flexible • Will not Crack or Split • Durable • Water Resistant • Interior/Exterior Use



#### SBR-100

One component, medium grade, solvent-release caulk for Windows and Doors • All Season Formula • No tooling required • Durable • Water Resistant • Paintable • Exterior Use

### Acoustical Sound Sealants



#### SC-170

Acoustical Sound Sealant for reducing sound transmission • All types of wall systems to maintain STC values • Remains flexible • Low temperature resistant • Adheres to multiple substrates • Prevents air infiltration and condensation formation



#### SC-175 GreenSeries

Acoustical Sound Latex Sealant for reducing sound transmission • Ultra low VOC formula meets all regulations • All types of wall systems • Permanently flexible • Low odor • Easy clean up with water

### Roof and Gutter Sealants/Adhesives



#### MICRO Gutter Seal

Unique polymer sealant for all weather applications • Permanently Flexible • Self Tooling • Prevents rust • Stops leaks fast • Seals seams & cracks in all types of gutters, downspouts, ducts and ventilator joints • Waterproof and weatherproof



#### GS-121

Seam and Gutter Sealant for sealing gutters and downspouts • Waterproof • Permanently flexible • Will not Crack or Split • VOC formula available



#### GS-125

Seam and Gutter Sealant for sealing gutters and downspouts • Convenient squeeze tube for smaller repairs • Waterproof • Permanently flexible • Will not Crack or Split • VOC formula available



#### RF-140

Roof and Flashing Sealant for shingles, flashing and roof repair • Flexible • All weather application • Bonds to Wet or Dry surfaces • UV resistant • Also for minor repairs inside gutters, downspouts and asphalt surfaces





### RT-600

Roof Tile Adhesive for repair and installation of roof tiles • Bonds variety of roof tiles • Withstands temperature extremes • Meets uplift requirements off 55 ft. above grade • Withstands high velocity winds • Water and Weather resistant • Reduces labor and installation costs

## GreenSeries™ Adhesives and Sealants



### ACRYLIC URETHANE

High Performance Sealant for sealing cracks and gaps in nearly all areas • Interior/Exterior Use • Durable & Flexible • Mold & Mildew Resistant • Paintable • Low Odor • Ultra Low VOC formula • GreenGuard® Certified



### PRO FOAM II

Minimally Expanding Insulation Foam for filling and insulating cracks, gaps and holes • Eliminates drafts • Stops sound transmission • Insulates R Factor of 5 per square inch • Will not harden or crack • Bonds to all types of building materials • GreenGuard® Certified



### FLAMESEAL

Fire, Smoke and Draft Stop Sealant for residential and commercial use • Seals service penetrations and joints in fire separations and firewalls • Prevents passage of fire in 1, 2 and 3 hour fire resistance rate systems • Fireproof acoustical seal • Ultra Low VOC • GreenGuard® Certified



### SF-450 GreenSeries

High performance, high strength construction adhesive for glued floor systems • Also for general construction • Interior/Exterior use • High initial grab reduces nailing and fastener use • Bridges minor gaps • Ultra Low VOC • GreenGuard® Certified



### F-38 GreenSeries

Professional grade construction adhesive for drywall and panel installations • High Shear Strength • High initial grab reduces fastener use • Bridges minor gaps • Wide variety of construction projects uses • Ultra Low VOC • GreenGuard® Certified

## Drywall and General Purpose Adhesives



### F-38

Metal Framing and Drywall Adhesive for bonding gypsum board to metal or wood studs • Laminates gypsum board to gypsum board or to concrete or block wall • Helps Eliminate Nails Pops and Call Backs • High initial grab provides repositioning time • Reduces sound transmission • Bridges minor framing irregularities • Extrudes in low temperatures • Waterproof and Weatherproof



### QB-300

Multi-Purpose Construction Adhesive for bonding all types of plastic foams and polystyrene • High initial grab minimizes nailing • Waterproof and Weatherproof • Bridges minor gaps • Will not Stain, Bleed or Blister Surfaces • Adheres to wide range of substrates



### SW-325

Heavy Duty Shear and Construction Adhesive for drywall applications and fabricating sheer wall rated assemblies • Latex Ultra Low VOC Formula • High initial grab helps reduce nail and fastener use • Bridges minor gaps • For use with most building materials • Non-flammable



### FRP-555

Fiberglass Construction Adhesive for fiberglass reinforced panels • Strong & flexible • Foamboard compatible • High instant grab minimizes panel slippage • Resistant to moisture, steam, water, cold and heat when fully cured • Water Resistant & Water clean-up • Interior

## Sub-floor and Framing Adhesives



### SF-450

Heavy Duty Subfloor and Construction Adhesive for glued floor systems • Cold Weather Formula • Bonds Wet, Dry or Frozen Lumber • Waterproof and Weatherproof • Exceeds ASTM D 3498 and AFG-01 • Bonds to Variety of Building Materials • Also Use in Prefab or Modular Construction • Also available in VOC Formula





## QUICKLY LIFT PRECAST ELEMENTS

The KK Lifting System is a rapid coupling system designed to efficiently and quickly lift precast concrete elements. This lifting solution, which requires no on-site welding nor threading, will save you time and money on the construction site. KK Anchors come with a standard Electro Zinc coating and can also be ordered in Black Steel and Hot Dip Galvanized.

### Benefits of the KK Lifting System


- Rapid Release System
- High Quality Forge for Maximum Safety
- Axial, Angular and Lateral Lifting



KK Anchor											
	Safe Working Load	Stud Diameter		Length		S.W.L. (Conc. 2500 psi / 20 MPa)		S.W.L. (Conc. 3500 psi / 25 MPa)		Unit Weight	
		(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)	(lb)	(kg)
	1	3/8	10	2 1/2	64	1,4	6,8	1,6	7,6	0,13	0,06
				3 3/8	86	1,8	8,2	1,8	8,2	0,16	0,07
				4 3/4	121	1,8	8,2	1,8	8,2	0,19	0,09
				8	203	1,8	8,2	1,8	8,2	0,29	0,13
	2	9/16	14	2 1/2	64	1,5	7,4	1,8	8,3	0,26	0,12
				2 3/4	70	1,7	8,6	2,1	9,6	0,29	0,13
				3 3/8	86	2,4	11,8	2,9	13,2	0,26	0,12
				4 3/4	121	4	18,2	4	18,2	0,42	0,19
				5 1/2	140	4	18,2	4	18,2	0,52	0,23
				6 3/4	171	4	18,2	4	18,2	0,61	0,28
	4	3/4	20	11	279	4	18,2	4	18,2	0,96	0,44
				3 3/4	95	3,2	15,5	3,8	17,4	0,86	0,39
				4 1/4	108	3,9	18,9	4,6	21,2	0,88	0,40
				4 3/4	121	4,7	22,6	5,5	25,3	0,97	0,44
				5 1/2	140	5,9	28,8	7,0	32,2	1,00	0,45
				7 1/8	181	8,1	36,5	8,1	36,5	1,28	0,58
				9 1/2	241	8,1	36,5	8,1	36,5	1,57	0,71
	8	1 1/16	28	13 3/8	340	8,1	36,5	8,1	36,5	2,10	0,95
				4 3/4	102	5,2	25,2	6,2	28,1	2,11	0,96
				6 3/4	171	9,2	44,1	10,8	49,4	2,77	1,26
				10	254	16	71,5	16	71,5	3,45	1,57
				13 3/8	340	16	71,5	16	71,5	4,55	2,07
	16	1 9/16	40	26 3/4	679	16	71,5	16	71,5	8,49	3,86
				10	254	19,2	92,5	22,7	103,4	5,99	2,72
				15	381	29,7	132,5	29,7	132,5	8,58	3,90
				20	508	29,7	132,5	29,7	132,5	11,18	5,08

\* SWL is based on development of full shear cone in normal weight concrete. Minimum edge distance is required. Safe working load provide a safety factor of 4:1. Other sizes are available upon request.


**KK-EYE Anchor**

	Product#	Load Class	Overall Length		Size		S.W.L.* Tension		Weight	
		(tons)	(in.)	(mm)	US	CA	(kips)	(kN)	(lb)	(kg)
	KKE-1TG	1	2 5/8	1.19	#3	10M	2	8,9	0.14	0.06
	KKE-2TG	2	3 1/2	1.59	#3	10M	4	17,8	0.40	0.18
	KKE-4TG	4	4 3/4	2.15	#5	16M	8	35,6	0.92	0.42
	KKE-8TG	8	7 1/8	3.23	#6	19M	16	71,2	2.90	1.32
	KKE-16TG	16	9 7/8	4.48	#8	20M	32	142,4	7.50	3.40


**KK-EYE Tension Bar**

	Product#	Load Class	Rebar Size		Total Tension bar Length For A Concrete Strength (psi / MPa)				
		(tons)	US	CA	1500/10	2000/13	2500/17	3000/20	5000/34
	TB2	2	#4	10M	3'0"	2'9"	2'8"	2'6"	1'8"
	TB4	4	#5	15M	4'0"	3'6"	3'0"	3'0"	2'2"
	TB8	8	#6	20M	6'0"	5'6"	5'0"	4'6"	3'3"


**KRB Reusable Recess Former**

	Load Class	Stud Diameter		Weight	
		(in.)	(mm)	(lb)	(kg)
KRB-1T	1	3/8	10	0.22	0.1
KRB-2T	2	9/16	14	0.22	0.1
KRB-4T	4	3/4	20	0.44	0.2
KRB-8T	8	1-1/16	28	0.88	0.4
KRB-16T	16	1-9/16	40	2.43	1.1


**KRC Disposable Recess Former**

	Load Class	Stud Diameter		Weight		Color
		(in.)	(mm)	(lb)	(kg)	
KRC-1T	1	3/8	10	0.22	0.1	Blue
KRC-2T	2	9/16	14	0.22	0.1	Yellow
KRC-4T	4	3/4	20	0.44	0.2	Blue
KRC-8T	8	1-1/16	28	0.88	0.4	Yellow
KRC-16T	16	1-9/16	40	2.43	1.1	Black

**KMG Recess Grommet**


	Load Class	Stud Diameter	
		(in.)	(mm)
KMG-1T	1	3/8	10
KMG-2T	2	9/16	14
KMG-4T	4	3/4	20

**KMR Magentic Recess Former**


		Load Class	Stud Diameter	
			(in.)	(mm)
	KMR-1T	1	3/8	10
	KMR-2T	2	9/16	14
	KMR-4T	4	3/4	20

KMG recess grommet is to be used with KMR magnetic recess former.


**KFP Fixing Plate**

		Load Class	Weight	
			(lb)	(kg)
	KFP-1T	1	0.13	0.02
	KFP-2T	2	0.13	0.03
	KFP-4T	4	0.18	0.05
	KFP-8T	8	0.26	0.07
	KFP-16T	16	0.44	0.10

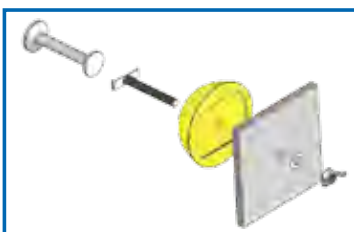
**KFR Fixing Rod**

		Load Class	Weight	
			(lb)	(kg)
	KFR-1T	1	0.13	0.06
	KFR-2T	2	0.13	0.06
	KFR-4T	4	0.18	0.08
	KFR-8T	8	0.26	0.12
	KFR-16T	16	0.44	0.20

**KKL Lifting Clutch**

		Safe Working Load	Stud Diameter		Unit Weight	
			(in.)	(mm)	(lb)	(kg)
	KKL 1-1.3 T	1	3/8	10	1.98	0.9
	KKL 1.5-2.5 T	2	9/16	14	3.31	1.5
	KKL 4-5 T	4	3/4	20	7.05	3.2
	KKL 6-10 T	8	1-1/16	28	20.72	9.4
	KKL 12-20 T	16	1-9/16	40	44.09	20.0
	KKL 32 T	25	2	50	100.31	45.5

The safe working load provides an approximate 5:1 safety factor.

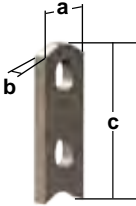


## MOST VERSATILE LIFTING SYSTEM

Peikko® RR-Lifting System consists of anchors which are embedded in concrete and matched with the proper Recess Formers and RR lifting clutch. A wide range of load-carrying capacities ( from 1 tons to 26 tons ) are available. The system is available in Black Steel, Electro-Galvanized or Hot Dip Galvanized according to customer specifications.

Note: Anchor load groups/classes refer to anchor's steel tensile strength. **Based on 4:1 Safety Factor and minimum concrete strength of 3,500 psi.** Anchors actual capacity and safe working load when installed into concrete must be checked from user instructions available from local sales office.

### RR-HA Anchor

	Load Group	Length c		Width a		Thickness b		S.W.L. Tension		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
RR-HA-2TG	2-2.5	3 3/4	95	1 1/4	32	3/8	10	4	17,8	0.42	0.19
RR-HA-4TG	4-5	4 3/4	121	1 1/2	38	5/8	16	8	35,6	0.87	0.40
RR-HA-8TG	8-10	6 3/4	171	2 1/2	64	3/4	19	16	71,2	3.08	1.40

### RR-SA Split Foot Anchor

	Load Group	Length d		Width a		Hole b		Thickness c		Minimum Wall Thickness		S.W.L. Tension		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
RR-SA-2TG	2-2.5	6	152	1 3/16	30	9/16	14	3/8	10	4	102	4	17,8	0.66	0.30
RR-SA-4TG	4-5	7	178	1 9/16	40	23/32	18	5/8	16	6	152	8	35,6	1.72	0.78
RR-SA-8TG	8-10	12	305	2 3/8	60	1	25	13/16	21	12	305	16	71,2	5.82	2.64

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### RR-FA Foot Anchor

	Load Group	Length b		Width a		Shank Dia. d		Foot Dia. c		S.W.L. Tension		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
RR-FA-2.5T-3.5G	2-2.5	3 1/2	89	1 5/16	33	1/2	13	1 1/2	38	3.90	17,4	0.38	0.17
RR-FA-2.5T-4.5G	2-2.5	4 1/2	114	1 5/16	33	1/2	13	1 1/2	38	4.40	19,6	0.45	0.20
RR-FA-2.5T-5.5G	2-2.5	5 1/2	140	1 5/16	33	1/2	13	1 1/2	38	4.51	20,1	0.52	0.24
RR-FA-2.5T-6.75G	2-2.5	6 1/2	165	1 5/16	33	1/2	13	1 1/2	38	5.50	24,5	0.61	0.28
RR-FA-5T-3.5G	4-5	3 1/2	89	1 13/16	46	3/4	19	2 1/4	57	4.40	19,6	1.05	0.48
RR-FA-5T-4.5G	4-5	4 1/2	114	1 13/16	46	3/4	19	2 1/4	57	6.20	27,6	1.19	0.54
RR-FA-5T-5.5G	4-5	5 1/2	140	1 13/16	46	3/4	19	2 1/4	57	8.50	37,8	1.34	0.61
RR-FA-5T-6.5G	4-5	7 1/2	191	1 13/16	46	3/4	19	2 1/4	57	9.00	40,0	1.48	0.67
RR-FA-5T-9.5G	4-5	9 1/2	241	1 13/16	46	3/4	19	2 1/4	57	11.00	48,9	1.90	0.86
RR-FA-10T-5.5G	8-10	5 1/2	140	2 5/8	67	1 1/8	27	2 7/8	73	8.80	39,2	2.49	1.13
RR-FA-10T-7G	8-10	7	178	2 5/8	67	1 1/8	27	2 7/8	73	12.50	55,6	2.93	1.33
RR-FA-10T-10G	8-10	10	254	2 5/8	67	1 1/8	27	2 7/8	73	22.00	97,9	3.80	1.72



## RR-PA Plate Anchor

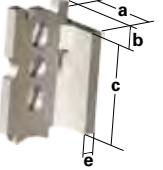
	Load Group	Length B		Head Width a		Head Thickness t		Plate Length Squared c		SWL Unreinforced 3500 Psi Concrete Tension		SWL Reinforced 3000 Psi Concrete Tension		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)	(lb)	(kg)
RR-PA-2T-2.5	2-2.5	2 1/4	57	1 1/4	32	3/8	10	2 1/2	64	1.10	4,9	4	17,8	0.89	0.40
RR-PA-4T-3.5	4-5	3 1/2	89	1 1/2	38	5/8	16	3	76	5.20	23,1	8	35,6	1.69	0.77
RR-PA-8T-7.125	8-10	7 1/8	181	2 1/2	64	3/4	19	4	102	14.00	62,3	16	71,2	5.50	2.49

## RR-EA Erection Anchor

	Load Group	Length d		Width a		Thickness t		S.W.L. Tension W/ Tension Bar		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
RR-EA-2TG	2-2.5	4	102	2	51	3/8	10	4	17,8	0.67	0.30
RR-EA-4TG	4-5	7	178	2 1/2	64	5/8	16	8	35,6	2.80	1.27
RR-EA-8TG	8-10	7	178	3 1/2	89	3/4	19	16	71,2	4.47	2.03

## RR-EA Erection Anchor Shear Plate

The shear plate replaces the need for a shear bar making it easier to install

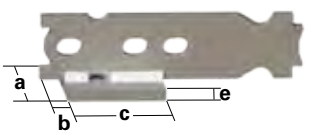
	Width a		Distance b		Length c		Thickness e	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
RR-EA-2-SPTG	2 1/2	64	3/4	19	3	76	1/4	6
RR-EA-4T-SPG	2 1/2	64	1 1/4	32	3	76	3/8	10
RR-EA-8T-SPG	3	76	1 5/8	41	3 1/2	89	3/8	10

## RR-XF X-Foot Anchor

	Load Group	Width w		Length d		Thickness t		S.W.L. Tension		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
RR-XF-2TG	2-2.5	2	51	8	203	3/8	10	4	17,8	1.59	0.72
RR-XF-4TG	4-5	2 1/2	64	9 1/2	241	5/8	16	8	35,6	4.20	1.91
RR-XF-8TG	8-10	3 1/2	89	13 1/2	343	3/4	19	16	71,2	9.30	4.22

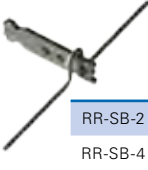
## RR-XF X-Foot Anchor Shear Plate

The shear plate replaces the need for a shear bar making it easier to install


	Width a		Distance b		Length c		Thickness e	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
RR-XF-2T-SPG	2 1/2	64	3/4	19	3	76	1/4	6
RR-XF-4T-SPG	2 1/2	64	1 1/4	32	3	76	3/8	10
RR-XF-8T-SPG	3	76	1 5/8	41	3 1/2	89	3/8	10

NOTE: Also available with a second symmetrical shear plate.

## RR-SB Shear Bar

	Load Group	Shear Bar Height h		Length a		Minimum Panel Thickness		Weight	
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(lb)	(kg)
RR-SB-2	2-2.5	2 1/2	64	13 7/8	352	4	102	0.75	0.34
RR-SB-4	4-5	3 5/16	84	13 7/8	352	5 1/2	140	0.78	0.35
RR-SB-8	8-10	4 5/16	110	13 7/8	352	7 1/2	191	0.91	0.41

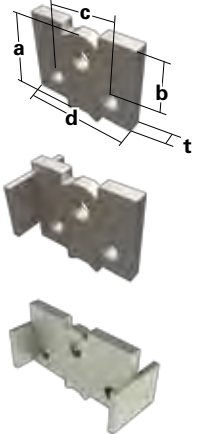
## Tension Bar

	Load Group	Rebar Size	Total Tension bar Length For A Concrete Strength (psi / MPa)				
	(tons)	US	1500/ 10	2000/ 13	2500/ 17	3000/ 20	5000/ 34
RR-TB2	2-2.5	#4	3'0"	2'9"	2'8"	2'6"	1'8"
RR-TB4	4-5	#5	4'0"	3'6"	3'0"	3'0"	2'2"
RR-TB8	8-10	#6	6'0"	5'6"	5'0"	4'6"	3'3"


## SANDWICH ANCHOR

By delivering an even load distribution to both widths of a sandwich panel, the Sandwich Anchor eliminates the need for special lifting devices. This anchor absorbs shear loads without spalling the concrete.

### RR-SPA Sandwich Anchor

	Anchor	Load Group	Length d		Height a		Width t		Hole Dist. b		Hole Dist. c		Weight	
		(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(lb)	(kg)
	RR-SPA-4T-6G	4-5	6	152	3 1/2	89	5/8	16	1 3/8	35	3 3/4	95	3.17	1.44
	RR-SPA-8T-6G	8-10	6	152	4 3/4	121	3/4	19	2 29/32	74	4	102	5.54	2.51
	RR-SPA-8T-7.5G	8-10	7 1/2	191	4 3/4	121	3/4	19	3	76	5	127	10.49	4.76
	RR-SPA-8T-8.5G	8-10	8 1/2	216	4 3/4	121	3/4	19	3	76	6	152	14.53	6.59
	Panel : Top - Insulation - Bottom							Tension		Shear-Parallel To Thickness 2.66:1 SF		Shear-Perpendicular To Thickness 4:1 SF		
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)	(kips)	(kN)	
	RR-SPA-4T-6G	3	76	2	51	3	76	8	35	4.5	20.0	8.0	35.6	
	RR-SPA-8T-6G	3	76	2	51	3	76	16	70	5.17	23.0	9.4	41.8	
	RR-SPA-8T-7.5G	3	76	3	76	3	76	16	70	5.17	23.0	9.4	41.8	
	RR-SPA-8T-8.5G	3	76	4	102	3	76	16	70	5.17	23.0	9.4	41.8	


### Sandwich Anchor Tension Bar

		Anchor Load Group	Bottom Thickness		Top Thickness		Minimum Panel Thickness		Rebar Length	
	Rebar Size	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
	#4	4-5	3	76	3	76	8	203	2'6"	762
	#5	8-10	3	76	3	76	8	203	3'6"	1067

## RR-LIFTING HARDWARE

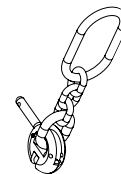
- Configured with a clutch body and locking handle and bail, a curved interlocking
- Clutch rotates to lock over the anchor head and recess into a closed position
- Standard bail rotates 180° for spall-free lifting
- Once in locking position and supporting the full load the ring clutch cannot be released

### RR-C Lifting Clutch

	Load Group	Dimensions										SWL		Weight	
		l		c		d		t		f		(kips)	(kN)	(lb)	(kg)
	(tons)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)				
RR-C-2.5TG	2-2.5	10 7/16	265	3 5/32	80	1 1/16	27	15/32	12	3 3/4	95	5.5	24.5	4.60	2.09
RR-C-5TG	4-5	13	330	4	102	1 15/32	37	11/16	17	4 5/8	117	11	48.9	9.25	4.20
RR-C-10TG	8-10	16 3/4	425	5 15/16	151	2	51	1	25	5 7/8	149	22	97.9	22.80	10.34
RR-C-26TG	12-26	23 13/16	605	8 1/8	206	2 13/16	71	1 3/16	30	8 1/4	210	57.2	254.5	55.12	25.00

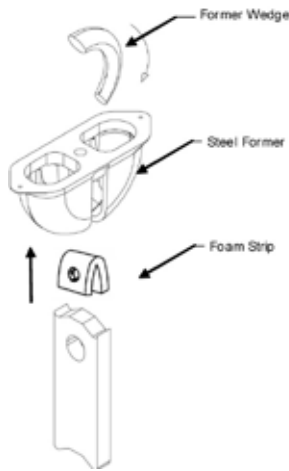
## RR-LIFTING CHAIN CLUTCH

The Peikko RR-CC lifting hardware is a special variation of the standard lifter RR-C. The bail is replaced by a flexible chain. Available on special request.




## RR-LIFTING SYSTEM ACCESSORIES


Installation of RR Steel Former




### RR-SF Steel Former

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-SF 2-2.5T	2-2.5	0.65	0.29
RR-SF 4-5T	4-5	1.10	0.50
RR-SF 6-10T	8-10	3.80	1.72

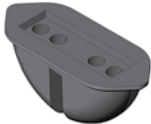
### RR-SFW Steel Wedge

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-SFW 2-2.5T	2-2.5	0.12	0.05
RR-SFW 4-5T	4-5	0.29	0.13
RR-SFW 6-10T	8-10	0.85	0.39


### RR-FS Foam Strip

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-FS 2-2.5T	2-2.5	0.75	0.34
RR-FS 4-5T	4-5	1.30	0.59
RR-FS 6-10T	8-10	3.70	1.68

### RR-RF Reusable Former

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-RF 2-2.5T	2-2.5	0.20	0.09
RR-RF 4-5T	4-5	0.44	0.20
RR-RF 6-10T	8-10	1.25	0.57
RR-RF 26T	12-26	4.50	2.04


### RR-DF Disposable Former

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-DF 2-2.5T	2-2.5	0.22	0.10
RR-DF 4-5T	4-5	0.33	0.15
RR-DF 6-10T	8-10	0.55	0.25

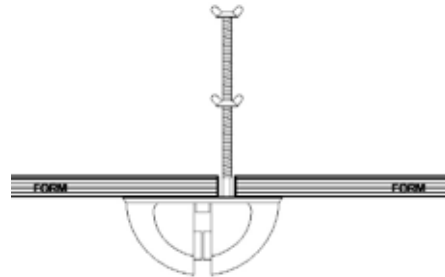
Installation of RR Formers with mounting plate.




### RR-MP Mounting Plate

	Load Group	Weight	
		(tons)	(lb) (kg)
 RR-MP 2-2.5T	2-2.5	0.09	0.04
RR-MP 4-5T	4-5	0.19	0.09
RR-MP 6-10T	8-10	0.25	0.11


Installation of RR Former with Mounting Rod



### MR Mounting Rod

	Load Class	Weight	
		(tons)	(lb) (kg)
 RR-MR0.375C	2-5	0.195	0.09
RR-MR0.5C	8-10	0.45	0.20

### Plastic Covers

	Load Class	Weight	
		(tons)	(lb) (kg)
 RR-PC 2-2.5T	2-5	1	0.45
RR-PC 4-5T	8-10	1.3	0.59



# JENKA LIFTING SYSTEM

## SOLUTION FOR LIFTING THIN PRECAST ELEMENTS

Peikko® JENKA product's range consists of various RD threaded socket anchors with capacities from 825 lb to 10 tons, threaded lifting loops and various accessories. Jenka Anchors are specially designed for narrow and thin structures. WAS and WAL are for reduced anchoring depth, SRA for narrow structures and CSA to arrange bonding with separate rebar. Jenka Anchors are delivered with Zinc Plated Sockets and Plain Rebars.

### Benefits of the Jenka Lifting System

- Most cost-effective lifting system
- Reduced recess size (architectural precast)
- Available in Electro Galvanized Finish or Stainless Steel
- Wide range of capacities (825 lb to 10 tons)
- Lifts all types of concrete elements
- Plastic caps avoid grouting the recess after installation
- Cost-effective plastic and magnetic recess formers



Peikko® Jenka Anchors are a component of the Peikko transport anchor system and is in compliance with the safety regulations set forth by the Construction Trade Association.

The anchors are only designed to operate with original Peikko® Lifting Devices. All existing installation and usage manuals must also be considered.

#### TLL Threaded Lifting Loop

	Load Class	Unit Weight	
	(lb)	(lb)	(kg)
TLL 12	825	0.09	0.040
TLL 16	1980	0.22	0.950
TLL 20	3300	0.43	0.190
TLL 24	4125	0.57	0.260
TLL 30	6600	1.01	0.460
TLL 36	10395	1.94	0.880
TLL 42	13200	3.20	1.450
TLL 52	20625	9.92	4.500

#### NPP Jenka Nail Plate Plastic (Installation Plug)

	Load Class	Unit Weight	
	(lb)	(lb)	(kg)
NPP 12	825	1.10	0.500
NPP 14	1320	1.10	0.500
NPP 16	1980	1.10	0.500
NPP 18	2640	2.20	1.000
NPP 20	3300	2.65	1.200
NPP 24	4125	2.87	1.300
NPP 30	6600	4.19	1.900
NPP 36	10395	5.29	2.400
NPP 42	13200	10.36	4.700
NPP 52	20625	10.58	4.800

All load classes are based on a 4:1 safety factor. For edge distances and general placement of Jenka anchors, refer to the Jenka Product Brochure or contact Peikko directly.

#### TF (Troll Foot)

	Load Class	Length		Unit Weight	
	(lb)	(in.)	(mm)	(lb)	(kg)
TF 12X100	825	4	100	0.13	0.060
TF 12X150	825	5 7/8	150	0.22	0.100
TF 16X130	1980	5 1/8	130	0.31	0.140
TF 16X175	1980	6 7/8	175	0.37	0.170
TF 20X185	3300	7 1/4	185	0.75	0.340
TF 20X250	3300	9 7/8	250	0.95	0.430
TF 24X200	4125	7 7/8	200	0.93	0.420
TF 24X275	4125	10 3/4	275	1.15	0.520
TF 30X275	6600	10 3/4	275	2.31	1.050
TF 30X350	6600	13 3/4	350	2.78	1.260
TF 36X335	10395	13 1/8	335	4.06	1.840
TF 36X450	10395	17 3/4	450	5.01	2.270
TF 42X385	13200	15 1/8	385	6.02	2.730
TF 42X500	13200	19 5/8	500	7.12	3.230
TF 52X550	20625	21 5/8	550	12.50	5.670
TF 52X700	20625	27 1/2	700	14.18	6.430

#### NPM (Jenka Nail Plate Magnetic)

	Load Class	Dimension	
	(lb)	(in.)	(mm)
NPM 12	825	ø2 3/4X19/32	ø70X15
NPM 14	1320	ø2 3/4X19/32	ø70X15
NPM 16	1980	ø2 3/4X19/32	ø70X15
NPM 18	2640	ø2 3/4X19/32	ø70X15
NPM 20	3300	ø2 3/4X19/32	ø70X15
NPM 24	4125	ø2 3/4X19/32	ø70X15
NPM 30	6600	ø2 3/4X19/32	ø70X15
NPM 36	10395	ø2 3/4X19/32	ø70X15
NPM 42	13200	ø2 3/4X19/32	ø70X15

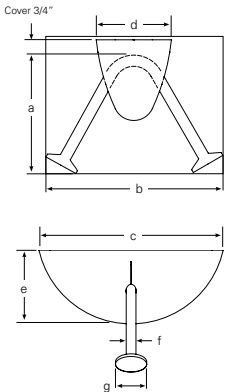


## CLUTCH FREE LIFTING SYSTEM

- Requires no lifting clutch, used with a standard hook or clevis.
- Cost-effective alternative for stripping, handling, and setting panels.
- High strength - Up to 6 Tons (12,000 lb) Tension SWL with an 4:1 safety factor in 3500 psi concrete.
- Easy to install and use. Utilizes reusable rubber recess former Anchors are available with snap wires in different wire sizes and specifications.

Peikko® E-Lift can be utilized to remove the precast elements from their forms, handling the elements in the precast yard, loading for shipment and unloading and placement at the job site - all without the need for any special lifting equipment or hardware.

### E-LIFT ANCHOR

	Slab Thickness		Wire Dia. (f)		a		b		g		SWL Shear Load		SWL Tension Load		Weight	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)	(lb)	(kg)
E-450-3.75G	4 1/2	114	0.450	11	3.75	95	6	152	1.375	35	6.5	28,9	3.0	13,3	0.44	0.20
E-450-4.75G	5 1/2	140	0.450	11	4.75	121	7.12	181	1.375	35	8.0	35,6	4.0	17,8	0.55	0.25
E-450-6.75G	8	203	0.450	11	6.75	171	9.375	238	1.375	35	9.0	40,0	5.0	22,2	0.75	0.34
E-670-3.75G	4 1/2	114	0.670	17	3.75	95	6.80	173	1.340	34	7.5	33,4	4.8	21,4	1.11	0.50
E-670-4.75G	5 1/2	140	0.670	17	4.75	121	7.40	188	1.340	34	10.0	44,5	7.2	32,0	1.30	0.59
E-670-6.75G	8	203	0.670	17	6.75	171	10	254	1.340	34	13.5	60,1	10.0	44,5	1.70	0.77

Note: When the E-Lift is used as a pulling iron, the SWL can be increased by 33%.

### E-LIFT ANCHOR WITH SNAP WIRES

- Easily attaches to concrete mesh for side or vertical mounting
- Ideal for concrete pipes
- Available in .450 or .670 anchor size
- Snap wires are available in different lengths. Call for details.




### E-LIFT DOUBLE DOWN

- Greater Capacities for Thin Wall Applications
- Ideal for lifting thin or irregular walls
- Can be placed in panels with a thickness of 5" and up
- Use with E-Lift 670 Former




## E-LIFT ACCESSORIES


### E-LIFT 500 ANCHOR

	c		d		e		Weight	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(lb)	(kg)
 E-500-325G	1/2	13	3	76	4 1/2	114	0.60	0.27


### E-LIFT FORMER

	Wire Dia.		Color	Weight	
	(in.)	(mm)		(lb)	(kg)
 E-450F	0.450	11	Orange	1.42	0.64
E-500F	0.670	17	Black	2.00	0.91
E-670F	0.500	13	Blue	1.20	0.54


### E-LIFT MAGNETIC PLATE

	Former Type	Length		Weight	
		(in.)	(mm)	(lb)	(kg)
 ELMAP	E-450F & E-670F	10	254	3.33	1.51

### E-LIFT MOUNTING PLATE

	Former Type	Length		Weight	
		(in.)	(mm)	(lb)	(kg)
 ELMOP	E-450F & E-670F	13/32	10	0.25	0.11

### E-LIFT MOUNTING COIL ROD

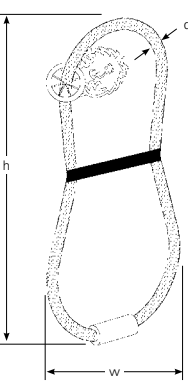
	Former Type	Length		Weight	
		(in.)	(mm)	(lb)	(kg)
 RR-MR-0.5C	E-450F, E-500F & E-670F	6 3/8	162	0.45	0.20

## WRA ANCHOR

- Ideal for precast concrete units with unexposed sides after lifting
- Protruding loops can be cut off or covered in concrete
- Based on 4:1 Safety Factor and minimum 4,000 psi normal weight concrete

Once the concrete has cured and the formwork is removed, the WRA Anchors of the precast element may be directly attached with the crane hooks. WRA Anchors are only allowed for straight and angle pull up to a maximum of 30°.

### WRA-ANCHOR

	SWL* Tension		d		w		h		Weight		Tag Colors	
	(kips)	(kN)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(lb)	(kg)		
	WRA-0.8TG	1.6	7.1	0.236	6	3 15/16	100	8 1/4	210	0.19	0.09	Pure White
	WRA-1.2TG	2.4	10.7	0.276	7	4 5/16	110	8 1/8	206	0.24	0.11	Blazing Red
	WRA-1.6TG	3.2	14.2	0.315	8	4 3/4	121	9 1/4	235	0.32	0.14	Light Pink
	WRA-2TG	4	17.8	0.354	9	5 1/8	130	11 1/32	280	0.44	0.20	Light Green
	WRA-2.5TG	5	22.2	0.394	10	5 1/2	140	12 3/8	314	0.67	0.30	Anthracite
	WRA-4TG	8	35.6	0.472	12	5 15/16	151	13 3/8	340	1.00	0.46	Emerald-Green
	WRA-5.2TG	10.4	46.3	0.551	14	6 5/16	160	14 3/16	360	1.54	0.70	Curry-Yellow
	WRA-6.3TG	12.6	56.1	0.630	16	7 11/16	195	15 3/8	391	2.33	1.05	Light Blue
	WRA-8TG	16	71.2	0.709	18	9 7/8	251	17 5/16	440	3.13	1.42	Silver-Grey
	WRA-10TG	2	8.9	0.787	20	10 5/8	272	20 11/16	525	4.50	2.04	Purple
	WRA-12.5TG	25	111.2	0.866	22	11 13/16	300	22 7/16	570	6.35	2.88	Yellow
	WRA-16TG	32	142.4	0.945	24	13	330	24 3/16	614	7.94	3.60	Blue-Lavender
	WRA-20TG	40	178.0	1.102	28	14 3/16	360	28 3/4	730	12.57	5.70	Yellow-Grey
WRA-25TG	50	222.5	1.260	32	15 3/8	391	31 1/2	800	17.64	8.00	Clay Brown	

## FERRULE INSERTS

Used as a connection insert for securing panels and suspension anchors for sprinklers, water pipes and many other types of plumbing fixtures that must be attached to the concrete.


Tables are based on minimum concrete strength of 3,000 psi and a 3:1 safety factor.

### FTP Ferrule Threaded Plug



Ferrule Threaded plugs are excellent for installing a ferrule insert on form. A nail hole is provided at the center of the plug for ease of attachment.

### FLI Ferrule Loop Insert

		Bolt Dia		S.W.L. Tension Load	
		(in.)	(mm)	(kips)	(KN)
	FLI-0.375G	3/8	10	2,0	8.9
	FLI-0.5G	1/2	13	2,0	8.9
	FLI-0.625G	5/8	16	2,3	10.2
	FLI-0.75G	3/4	19	2,4	10.7
	FLI-1G	1	25	5,3	23.6

### FSI Ferrule Star Insert



	Bolt Dia		Length		Threads / In.	S.W.L. Tension Load		Weight / 100	
	(in.)	(mm)	(in.)	(mm)		(lb)	(kN)	(lb)	(kg)
FSI-0.375ZI	3/8	10	1 3/8	35	16	1.4	6.2	6.84	3.10
FSI-0.5ZI	1/2	13	1 1/2	38	13	1.5	6.7	14.72	6.68
FSI-0.5ZI	1/2	13	2 7/8	73	13	3.0	13.3	29.90	13.56
FSI-0.625ZI	5/8	16	1 11/16	43	11	1.75	7.8	20.96	9.51
FSI-0.625ZI	5/8	16	2 7/8	73	11	3.0	13.3	35.80	16.24
FSI-0.75ZI	3/4	19	1 11/16	43	10	2.0	8.9	31.60	14.33
FSI-0.75ZI	3/4	19	2 7/8	73	10	3.5	15.6	47.60	21.59


## COIL INSERTS

Peikko® Coil system is used in the lifting and handling of precast concrete elements. Unusual and/or complicated lifting problems are often solved with a coil insert.


- Can be utilized in many situations when it is not required that the ends of the tie be back away from the face of the wall
- Versatile and cost-effective to use
- Helix coils are electrically welded to the struts resulting in a consistently safe weld

Tables are based on a minimum concrete strength of 3,000 psi and a 4:1 safety factor for Inserts and a 5:1 for bolts, rods, nuts, Lift Plates and Cable Loops and 4:1 for Ductile Coil Inserts when used for lifting. SWL based on 1/2" setback from face of concrete.


### CLI Coil Loop Insert

		Bolt Dia.		Lenght		S.W.L. Tension	
		(in.)	(mm)	(in.)	(mm)	(kips)	(kN)
	CLI-0.5X4G	1/2	13	4	101	2.25	10,0
	CLI-0.75X4G	3/4	19	4	101	3.75	16,7
	CLI-0.75X12G	3/4	19	6	152	4.50	20,0


### TSCI Thin Slab Coil Loop Insert

		Bolt Dia.		Lenght		S.W.L. Tension	
		(in.)	(mm)	(in.)	(mm)	(kips)	(kN)
	TSCI-0.5X2.25G	1/2	13	2 1/4	57	0.95	4,2
	TSCI-0.75X3.5G	3/4	19	3 1/2	89	3.40	15,1
	TSCI-1X2.5G	1	25	2 1/2	64	2.00	8,9


### OCI Open Coil Insert

		Bolt Dia		Insert Length		S.W.L. Tension Load		S.W.L. Shear Load	
		(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)
	OCI-0.75x4.5	3/4	19	4 1/2	114	4.25	18,9	4.25	18,9

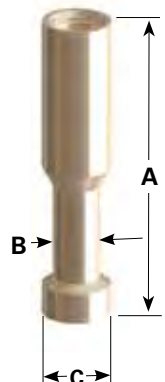
### FSCI Four Strut Coil Insert

		Bolt Dia		S.W.L. Tension Load	
		(in.)	(mm)	(kips)	(kN)
	FSCI-0.75x6	3/4	19	12.00	53.4


### FCLI Flared Coil Loop Insert

		Bolt Dia.		Lenght		S.W.L. Tension	
		(in.)	(mm)	(in.)	(mm)	(kips)	(kN)
	FCLI-0.75X6G	3/4	19	6	152	4.75	21,1
	FCLI-0.75X9G	3/4	19	9	229	4.75	21,1
	FCLI-1X9G	1	25	9	229	8	35,6


## Troll Insert

	Coil Tread Part Number	NC Tread Part Number	Diameter (B)	Insert length (A)	Min. Ultimate Strength in 3500 PSI Concrete	Min. Foot Dia.(C)	Thread Depth	Minimum Ultimate Shear in 3500 PSI	Min. Edge Distance
			(in.)	(in.)	(lb X 1000)	(in.)	(in.)	(lb X 1000)	(in.)
	TI-1/2X2 3/4C	TI-1/2X2 3/4NC	1/2	2.75	5.8	1	1	6.9	5.7
	TI-1/2X4C	TI-1/2X4NC	1/2	4.00	12.5	1	1	15	5.7
	TI-1/2X5C	TI-1/2X5NC	1/2	5.00	15.3	1	1	18.3	7.1
	TI-3/4X5C	TI-3/4X5NC	3/4	5.00	18.3	1 1/8	1 1/2	21.9	7.1
	TI-3/4X6C	TI-3/4X6NC	3/4	6.00	26.4	1 1/8	1 1/2	31.7	8.6
	TI-3/4X7C	TI-3/4X7NC	3/4	7.00	34.6	1 1/8	1 1/2	41.5	8.6
	TI-1X6C	TI-1X6NC	1	6.00	26.3	1 3/8	2	31.5	8.6
	TI-1X8C	TI-1X8NC	1	8.00	46.8	1 3/8	2	56.1	11.4
	TI-1 1/4X10C	TI-1 1/4X10NC	1 1/4	10.00	72.9	1 5/8	2 1/2	87.4	14.3
	TI-1 1/2X12C	TI-1 1/2X12NC	1 1/2	12.00	103.7	2	3	124.4	17.1


## CLB Coil Lift Loop

	Bolt Dia.		S.W.L. Tension	
	(in.)	(mm)	(kips)	(kN)
CLB-0.75	3/4	13	5.2	23
CLB-1	1	25	8	36

## Coil Lift plug

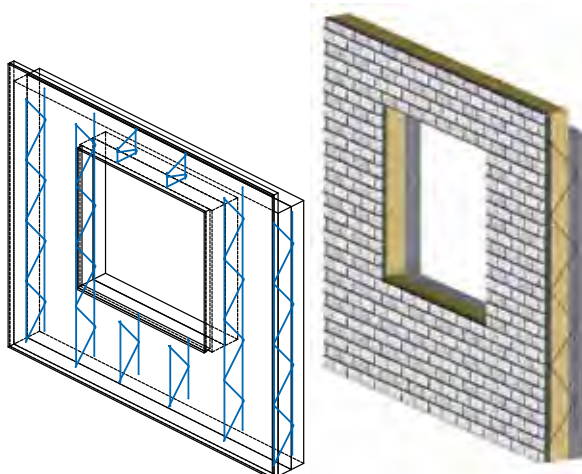
	Coil Plugs available in 1/2", 3/4" and 1" diameters. Reusable and easy to remove.
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## DSLPL Dual Swivel Lift Plate

	Bolt Dia.		S.W.L. Tension		Weight	
	(in.)	(mm)	(kips)	(kN)	(lb)	(kg)
DSLPL-0.75	3/4	13	7	31	8.95	4.06
DSLPL-1	1	25	10	44	8.95	4.06
DSLPL-1.5	1 1/2	38	20	89	20.71	9.39

# PD TIES SAME DESIGN SINCE 1965

Peikko®Ties are the first products ever produced by Peikko. They are connecting reinforcement which allow the joining of sandwich wall concrete panels together. Sandwich wall's design is based on the logic that the outer panel's weight is hung with ties and connectors to the inner panel.



## Materials for ties

	internal bar	external bar	diagonal
PDM	B500K	B500K	1.4301
PD	B500K	B600KX	1.4301
PDR	B600KX	B600KX	1.4301

The material of the pin is B600KX


## Benefits of Ties

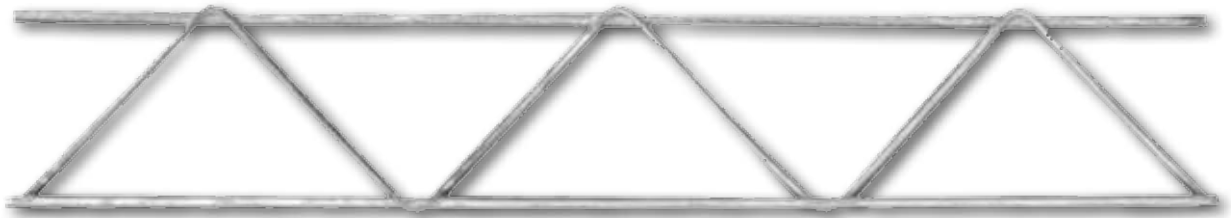
- Covers all insulation thickness for the future - energy savings construction
- Reliable and well known connector for sandwich element panels with over 45 years of use in experience
- Easy to install between insulation pieces
- Stainless material inside insulation layer
- Sizes according to insulation thicknesses
- Beam tie for low elements and openings
- Prefabricated products guarantee stable, high quality and accurate deliveries and enable effective workflow for the customer



## PD DIAGONAL TIES

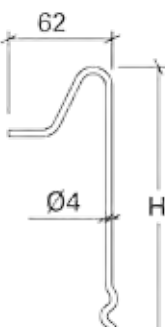
PD diagonal ties are designed to join sandwich panels concrete layers together in the height of the whole component.

PD Diagonal Tie							
	H			L		Advisable insulation thickness	
	(in.)	(mm)		(in.)	(mm)	(in.)	(mm)
	PD 6	6	150	94 1/2	2400	3 1/2	90
	PD 7	7	180	94 1/2	2400	4 3/4	120
	PD 8	8	200	94 1/2	2400	5 1/2	140



## PPI CONNECTOR PIN


PPI connector pins are used to join the concrete layers of the sandwich element together. The pins will not improve the compressive capacity of the load bearing concrete layer. Connector pin can be applied for example in styrox or urethane isolated element's edges and openings. Material is stainless ribbed bar B600KX

PPI Connector Pin															
	insulation thickness (installation angle)						K25				K10				
	H		perpendicular		45° angle		N <sub>k</sub>		N <sub>d</sub>		N <sub>k</sub>		N <sub>d</sub>		
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(kips)	(kN)	(kips)	(kN)	(kips)	(kN)	(kips)	(kN)	
	PPI 6 3/4	6 3/4	170	3 1/8	80	-	-	1.573	7	0.787	3,5	0.854	3,8	0.427	1,9
PPI 7 1/2	7 1/2	190	3 7/8	100	-	-	1.573	7	0.787	3,5	0.854	3,8	0.427	1,9	
PPI 8 1/4	8 1/4	210	4 3/4	120	-	-	1.573	7	0.787	3,5	0.854	3,8	0.427	1,9	
PPI 9	9	230	5 1/2	140	3 1/8	80	1.573	7	0.787	3,5	0.854	3,8	0.427	1,9	
PPI 9 7/8	9 7/8	250	6 1/4	160	3 7/8	100	1.573	7	0.787	3,5	0.854	3,8	0.427	1,9	



## "M" CONNECTOR PINS - COST-EFFECTIVE PIN

The Peikko® M-Connector is available in various sizes for use as a shear connector in concrete sandwich panels.


PMSC M Connector Pins					
	Height		Weight		
	(in.)	(mm)	(lb)	(kg)	
	PMSC-3-5	5	127	0,27	0,12
	PMSC-3-6	6	152	0,28	0,13
	PMSC-3-7	7	178	0,29	0,13
	PMSC-3-8	8	203	0,30	0,14
	PMSC-12-3.75	3 3/4	95	0,28	0,13
	PMSC-12-4.75	4 3/4	121	0,30	0,14
	PMSC-12-6.75	6 3/4	171	0,40	0,18
	PMSC-12-7	7	178	0,45	0,20
PMSC-12-8	8	203	0,50	0,23	

M Safe Working Loads ( 3 : 1 )				
Wire Gauge	S.W.L. Tension		S.W.L. Shear	
	(kips)	(kN)	(kips)	(kN)
3	1.1	4.9	0.880	3,9
Note : minimum spacing around edge and openings of panel is 12"				

Based on 3000 PSI / 20 MPa concrete strength

## "C" CONNECTOR PINS

The Peikko® 3 Gauge C-Connector Pin is used in insulated precast concrete sandwich panels. The connectors are attached to the insulation at required spacing , then insulation and connectors are placed and finished as usual.

PCSC C Connector Pins							
		Overall Length		Insulation		Weight	
		(in.)	(mm)	(in.)	(mm)	(lb)	(kg)
	PCSC-3-1	3	76	1	25	0,091	0,041
	PCSC-4-1	4	102	1	25	0,104	0,047
	PCSC-4-2	4	102	2	51	0,104	0,047
	PCSC-5-3	5	127	3	76	0,118	0,054
	PCSC-6-3	6	152	3	76	0,132	0,060
	PCSC-7-3	7	178	3	76	0,146	0,066
	PCSC-8-3	8	203	3	76	0,160	0,073

C Safe Working Loads ( 3 : 1 )				
Wire Gauge	S.W.L. Tension		S.W.L. Shear	
	(kips)	(kN)	(kips)	(kN)
3	0.58	2.6	0.44	2.0
Note : minimum spacing around edge and openings of panel is 12"				


Based on 3000 PSI / 20 MPa concrete strength

## NIRVANA INSULATED PIN

Peikko® Nirvana Pin is an Insulated Concrete Sandwich Panel System that maximizes thermal efficiency by combining insulation with the high thermal mass properties of concrete.

Nirvana Pins lock the insulation layer between the internal structural concrete layer and the external concrete layer. They are made from pultruded glass reinforced polyester resin. Pins are placed at a maximum of 16" centres in a grid pattern and around perimeters of openings.

### PR Nirvana Pin

	Length		Insulation thickness		Pin Dia.		Weight (ea)	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(lb)	(kg)
PR-5	5	127	1 1/2	38	3/8	9.5	0.03	0.01
PR-6	6	152	2	51	3/8	9.5	0.04	0.02
PR-7	7	178	3	76	3/8	9.5	0.05	0.02

## Benefits of Nirvana System

- Cost effective
- Design flexibility
- Durability
- Speed of construction
- Earthquake & fire resistance



## Tensile and Shear Strength

Tensile strength of one connector - a single connector can carry up to 4200 pounds. However, the capacity of the Nirvana Pin is governed by the pullout capacity in concrete. The strength of one connector in single shear is greater than 580 pounds. When the connector pin is installed in concrete, the concrete breakout shear strength is greater than the single shear strength of the connector pin..

### Nirvana Pin Tensile and Shear Strength

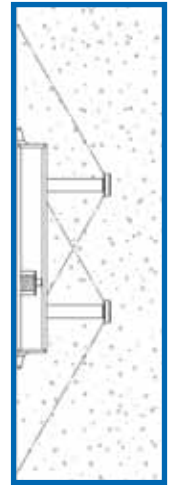
Concrete strength		S.W.L. Tension		S.W.L. Shear	
(psi)	(MPa)	(kips)	(kN)	(kips)	(kN)
3000	20	1.208	5.38	0.728	3.24
4000	25	1.389	6.18	0.822	3.66
4500	30	1.564	6.96	0.890	3.96
5000	35	1.740	7.74	0.971	4.32
6000	40	1.901	8.46	1.038	4.62

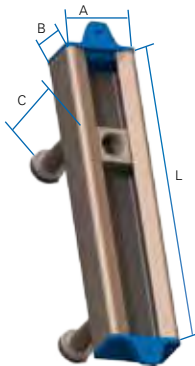
During the lifting of a panel from the casting bed, the connecting pins are subject to the maximum tensile force that they will experience in the installation. In addition to the use of the outer wythe, there is a de-mold suction force that has to be overcome. It is possible to limit this effect with correct use of form release and bondbreakers.

## RELIABLE AND ADJUSTABLE CONNECTION


Peikko galvanized steel rail anchors are adjustable connections. Easy to install, each anchor holds loads up to 11,950 lb and is a great choice for applied loads on reinforced concrete to help save labor cost and time.

- Ideal for all building construction and civil engineering applications where adjustable connections are needed
- Fastens without damaging the reinforced panel
- High load capacity both in small or large reinforced panels
- Withstands shrinkage or movement of concrete components
- Ideal for installation in concrete compression and tensile stress areas
- Suited for components with fire protection requirements
- Accurate positioning of rail by simple attachment to formwork
- Safety Factor: 3:1



PRA Anchor Rail									
		Ultimate Capacity		SWL		Wind Load		Min Edge Distance*	
		(lb)	(kN)	(kips)	(kN)	(kips)	(kN)	(in.)	(mm)
	Pull-Out	11250	50.1	3.75	16.7	5	22.2	hz 4/ve 3	hz 103/ve 76
	Shear	11950	53.2	4.80	21.4	4	17.8	hz 5/ve 3	hz 127/ve 76
	Dimensions								
	A		B		C		L		
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
PRA-8G	2	51	1 3/16	30	3 1/2	90	8	203	

\* hz : horizontal, ve : vertical

PRN Rail Nut					
	Size		SWL		
	(in.)	(mm)	(kips)	(kN)	
	PRN-0.75G	3/4	19	4.9	21,8


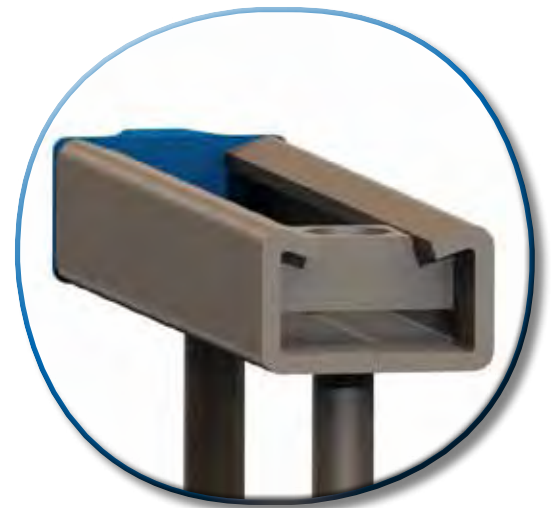
PRS Threaded Bolt Strap					
	L		Weight		
	(in.)	(mm)	(lb)	(kg)	
	PRS-0.75X8G	8	203	1.7	0.8
	PRS-0.75X10G	10	254	2.2	1.0
	PRS-0.75X12G	12	305	2.6	1.2

Plate Width : 2 in , 51 mm  
Plate Thickness : 3/8 in , 10 mm



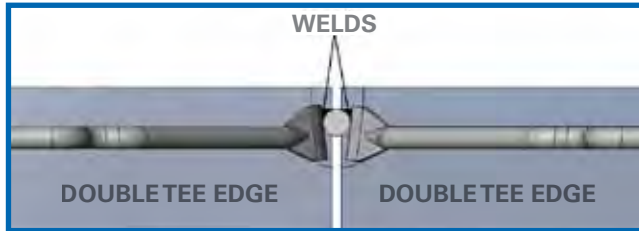


# EDGE CONNECTORS

## EASY TO INSTALL

Peikko® Edge connector is an innovative steel-winged embed designed to withstand and spread concrete forces when connecting flange of double tee beam, wall or slab to adjacent concrete. The connection is to be welded on site.

It is commonly used for precast applications including parking garage floors, bridge decks and reinforced roof slabs in industrial buildings.




## Benefits of Edge connectors

- Solid, one piece design for overall greater strength, therefore reducing the quantities needed for assembly
- Available in Stainless steel
- Innovative flattened steel for greater strength and flexibility in dynamic environments such as extreme weather and seismic conditions
- Plastic alignment component centers placement on side forms
- Can be used in many applications that use 2" and 4" thick double-tees and roof tees, wall panels or slabs
- Cost effective - less parts spaced, less production wasted
- High anchoring performance by in-plane bent legs
- No sticking out parts

### ECS/ECR Edge Connectors

		Bar Size		Finish	Leg Size		Flange Size	
					(in.)	(mm)	(in.)	(mm)
	EC4G	4	13	Electro Zinc Plated	1/2 x 7	13 x 180	1	25
	EC4S	4	13	Stainless Steel	1/2 x 7	14 x 180	1	25
	EC5G	5	16	Electro Zinc Plated	5/8 x 9	16x230	1 1/2	38
	EC5S	5	16	Stainless Steel	5/8 x 9	16x230	1 1/2	38

### ECF Edge Connector Formers

	Flange		color
	(in.)	(mm)	
	ECF4	1	25
ECF5	1 1/2	292	blue

## AIRA Enterprises, Inc.

## Oil-Dri and Sweeping Compounds

Don't let spills stop you... we carry a product for most applications.

Our traditional cost effective products:

ALL PURPOSE OIL & WATER ABSORBENTS		
50 Lb. Industrial	50 Bags	For oil & grease only
50 Lb. Super Safety	50 Bags	Our most popular items
40 Lb. Super Safety	50 Bags	
50 Lb. All Dry	50 Bags	Georgia quality - cheaper price
50 Lb. Oil-Dri	40 Bags	Oil-Dri's best clay from Georgia
40 Lb. Oil-Dri	50 Bags	
50 Lb. Mega-Dri	50 Bags	OSHA approved
33-1/3 Lb. Floor-Dry	60 Bags	From Nevada - our most absorbent material
40 Lb. Oil-Away	50 Bags	Sucks the oil out of concrete
50 Lb. Soil-Add	40 Bags	For baseball and football field use



SWEEPING COMPOUND	
50 Lb. Regular	48 per Pallet
100 Lb. Regular	24 per Pallet
300 Lb. Regular	4 per Pallet
50 Lb. Wax Base	24 per Pallet
50 Lb. True Wax	20 per Pallet

Faced with environmental or disposal problems? Here is a short list of "environmentally friendly" products for you.

ABSORBENT SOCKS & PADS	
3"x38"L	8 Socks/Case
3"x46"	40 Socks/Case
16"x20"	100 Pads/Case

## Oil-Dri Premium Granular Absorbents

Our premium clay absorbents undergo a superior moisture extraction process that increases absorption power and minimizes dust.

### Features & Benefits:

- **Versatile** - Use for all non-aggressive fluids
- **Superior Retention** - Hold liquids in
- **Strong** - Won't breakdown and turn to mud
- **Virtually Dust Free** - Lower airborne contamination
- **Low Density** - More scoops per pound saves money

**OIL-DRI**  
CORPORATION OF AMERICA

## Oil-Dri® Premium Absorbents - Poly Bags

ITEM #	DESCRIPTION	PACKAGING
I06040-G50	40 lb. Poly Bag	50 bags/pallet
I05090-G40	50 lb. Poly Bag	40 bags/pallet
I18002-G50	40 lb. Poly Bag	50 bags/pallet

## Oil-Dri® Premium Absorbents - Paper Bags

ITEM #	DESCRIPTION	PACKAGING
I01040-G50	40 lb. Paper Bag	50 bags/pallet
I01050-G40	50 lb. Paper Bag	40 bags/pallet
I08030-G78	10 lb. Paper Bag	234 bags/pallet





Product	Description	Features	Coverage	
			Form Surface	sq.ft./gal
<b>Crete-Lease 20-VOC-Xtra Release Agent</b>	Water-based, meets OSHA, EPA and the lowest VOC rules	<ul style="list-style-type: none"> <li>Reduces bugholes on the concrete surface</li> <li>Doesn't interfere with adhesion of caulk, architectural coatings, paint, sealers and curing compounds on cured concrete surfaces when properly applied</li> <li>Permits empty container disposal in dumpsters and non-hazardous landfills</li> <li>Promotes longer life of plywood by acting like a water repellent from inside the wood</li> <li>Is odorless</li> <li>Applies over residual form oils on used forms</li> <li>Helps prevent rusting of steel forms</li> </ul>	Hard & Smooth Pre-oiled Plywood Untreated Plywood	1,000 900 700
<b>Crete-Lease 880-VOC-Xtra Release Agent</b>	Meets OSHA, EPA and the lowest VOC rules. It is vegetable/mineral oil based and works beautifully with superplasticized and SCC concrete. Produces high visual impact concrete.	<ul style="list-style-type: none"> <li>Cuts form clean-up time up to 70% when properly applied</li> <li>Can reduce bugholes on concrete surfaces</li> <li>Doesn't interfere with adhesion of caulk, architectural coatings, paint, sealers and curing compounds on cured concrete surfaces when properly applied</li> <li>Can be applied in sub-freezing or very hot temperatures</li> <li>Reduces incidences of skin rashes</li> <li>Promotes longer life of plywood by acting like a water repellent from inside the wood</li> <li>Does not stain or stick from steam curing</li> </ul>	Hard & Smooth Pre-oiled Plywood Untreated Plywood	1,600 1,100 800
<b>Crete-Lease 880-Xtra Release Agent</b>	Excellent appearance of concrete, superplasticized concrete, vegetable/mineral oil based.	<ul style="list-style-type: none"> <li>The lowest viscosity release agent available</li> <li>Eliminates bugholes - even with superplasticized concrete</li> <li>Promotes easy stripping, especially when applied in an ultra thin film</li> <li>Promotes easy cleanup of forms</li> <li>Is non-staining</li> <li>Can be applied in sub-freezing or very hot temperatures</li> <li>Does not efflorescence</li> <li>Will not transfer to the concrete surface - adhesion of caulks, paints or coating is not affected</li> </ul>	Hard & Smooth Pre-oiled Plywood Untreated Plywood	2,000 1,200 900
<b>Crete-Lease 727-Xtra Release Agent</b>	Meets OSHA, EPA and the lowest VOC rules. Cleans forms, good looking concrete, vegetable/mineral oil based. Use with superplasticized and SCC concrete.	<ul style="list-style-type: none"> <li>Cuts form clean-up time up to 70% when properly applied</li> <li>Can reduce bugholes on concrete surfaces</li> <li>Doesn't interfere with adhesion of caulk, architectural coatings, paint, sealers and curing compounds on cured concrete surfaces when properly applied</li> <li>Is excellent on aluminum forms</li> <li>Can be applied in sub-freezing or very hot temperatures</li> <li>Reduces incidences of skin rashes to an absolute minimum</li> <li>Promotes longer life of plywood by acting like a water repellent from inside the wood</li> <li>Even when 10 times more then required is applied: No staining when cured at ambient temperatures, Concrete surfaces are not "killed", Does not efflorescence, The visual impact worsens</li> </ul>	Hard & Smooth Pre-oiled Plywood Untreated Plywood	1,500 1,000 700
<b>Spatter-Cote 100-Xtra Spatter Protection</b>	For concrete spatter protection. Spattered concrete washes away easily. Keeps tools clean. Washes off with water. Also available in an aerosol spray can.	<ul style="list-style-type: none"> <li>Easily rinses with water</li> <li>Applies in hot and cold weather</li> <li>Applies by spray, brush or mop</li> <li>Does not promote corrosion</li> <li>Halts build-up before it starts</li> <li>Aids in dirt and grease removal</li> </ul>	Hard & Smooth	1,500

## Platform Tools - 100 Standard Tool Patterns Available To Choose From

Traditional **brick** patterns provide a wide selection of realistic tools.



Running Bond  
Used Brick



Herringbone  
Used Brick



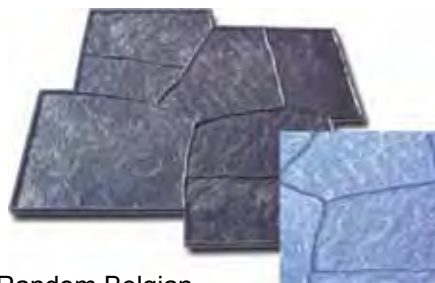
Old London  
Mermaid Granite

**Granite** patterns reproduce the weathered look of roads, alleys and plazas from the old country.



Grand Slate

**Slate** textures and patterns bring the rugged natural look of cut and fractured slate to any commercial or residential landscape.



Random Belgian  
Slate



Lisbon  
Granite



Ganged Pegged Wood Planks

Combine the beauty and warmth of natural **wood** with the durability of concrete.



Euro Fieldstone

Random  
Flagstone



Pegged Wood Planks

Natural **stone** textures bring old-world charm to plazas, walkways, pool decks and more.



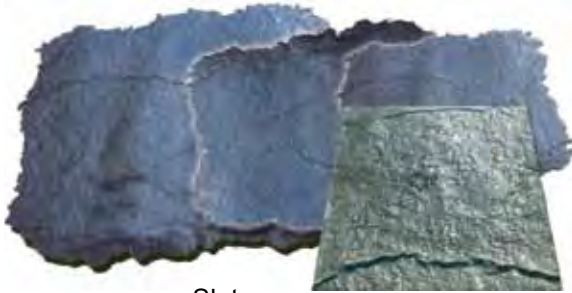
Savanah Stone

## "Nature's Beauty - Concrete's strength"

A surface that combines the beauty of old world workmanship with the durability of today's concrete.



Seamless **texture skins** are the ideal tools for transforming plain concrete into beautiful, realistic looking textures. Three standard sizes available for all skins: 5'x5', 4'x4', and 3'x3'.



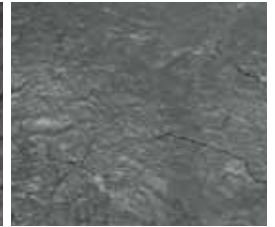
Slate



Coquina



Desert Slate



Belgian Slate



Tahoe Slate



Olde English Slate



Vestibule Slate

## "Second Only To Nature"

### Stamping Tool Accessories



Border Tools



Joint Strips



Edge Forms, Corners



Texture Wheels

### Vertical Stamping Tools



Dry Stack



Edge Stone



Slate Brick



Ashlar Stone

### Wall Stones



Wood Planks

## HARDENER & RELEASES

### Color Hardener

INCRETE SYSTEMS' Color Hardener is a ready-to-use dry-shake powder used to color and harden freshly placed concrete for stamping and other decorative surfaces. Color Hardener builds in color and durability increasing the surface strength to over 8000 psi. Provides an easy-to-clean surface that is resistant to grease, oil, and water penetration; greater resistance to weathering, freezing and thawing, and scaling from alkali salts.

Color Hardener may be used both indoors and out and is recommended for floor surfaces subject to medium to heavy duty use such as shopping centers, hotels/motels, garages, schools, sidewalks, driveways and parking lots. Available in 30 standard colors, 60 lb pails.

- ✓ Uniform Color
- ✓ Decreases Maintenance
- ✓ UV & Alkali Resistant
- ✓ Increases Durability



### Color Release

Color Release is formulated to provide a barrier between stamping tools and wet concrete to prevent suction and facilitate the release of flexible stamping tools. Applied directly to the wet concrete surface prior to stamping, Color Release contains integrated iron-oxide pigments to add color and depth to a stamped surface. Available in 30 standard colors, also available in light and dark gray or brown, and clear. Special colors can be matched by request.

- ✓ Greater Stamping Efficiency
- ✓ Releases Stamping Tools
- ✓ Adds Color & Depth.
- ✓ Unlimited Design Options



### Antique Release

Antique Release, like Color Release is formulated to provide a barrier between stamping tools and wet concrete to prevent suction and facilitate the release of flexible stamping tools. Available in 10 standard colors.



## INTEGRAL COLOR

### Color-Crete™ (Powder)

COLOR-CRETE powder integral color is an admixture of special synthetic iron-oxide pigments specially formulated to color and beautify concrete. Available in 35 standard colors and exceeding ASTM C979 specifications for integral color, COLOR-CRETE may be used with all cementitious materials and is designed for use with cast-in-place, slab on grade, precast, tilt-up, pavers and roof tiles. Plus, all colors are light-fast, lime-proof, and completely weather proof assuring permanent color-fast structures. Available in a variety of Batch-Ready™ disintegrating bags, each containing a precise measurement of pigment to provide totally uniform color and reduce color variations.

- ✓ Batch-Ready™ Mix
- ✓ Disintegrating Bag
- ✓ UV-Resistant
- ✓ Exceeds ASTM C979



### Color-Crete™ 7 for 28

Color-Crete 7 for 28 powder integral color is a pre-measured system packaged in convenient disintegrating plastic bags that achieves 28 shades with variable loadings for 7 standard integral base colors.



### Color-Crete™ (Pre-Packaged Liquid)

COLOR-CRETE liquid integral color is a water-based, ready-to-use pigmented slurry of special synthetic iron-oxide pigments. Produced using a computer-controlled blending of precisely premixed liquid components, COLOR-CRETE liquid is formulated from superior grade pigments and provides the high tinting strength and uniform color that exceeds ASTM C979 specifications for integrally colored concrete. COLOR-CRETE may be used with all cementitious materials and designed for use with cast-in-place, slab on grade, precast, tilt-up, pavers and roof tiles. Plus, all colors are light-fast, lime-proof, and completely weather proof assuring permanent colorfast structures. COLOR-CRETE liquid color is conveniently packaged in one yard increments in 1, 3.5 & 5 gallon pails containing a precisely pigmented slurry accurate to within .02 of a pound to provide uniform color and perfect future batch matching if required.

- ✓ Packaged in convenient 1-yard Increments
- ✓ Dust Free
- ✓ Lime-Proof
- ✓ UV-Resistant
- ✓ Uniform Mixes
- ✓ Exceeds ASTM C979





## FINISHING AIDS

### Increte Delay

Increte Delay forms a monomolecular invisible film to prevent the rapid loss of moisture from the concrete surface during high temperatures, extreme wind, and low humidity. It reduces the chances of cracking due to these quick drying conditions. Increte Delay negates the need for extra mixing water and aids in the proper application of dry shake-on hardeners. It will not affect the bonding of cures or coatings, nor alter the final color of the concrete.



### Cement Retarder

Cement Retarder is a specially formulated retardant that delays the set times in cementitious products. Cement Retarder is designed for use with Increte Systems' Increte, Color-Crete, New-Crete, Texture-Crete and Spray-Deck.

### Liquid Release

Liquid Release is a specially formulated solvent based releasing agent designed to prevent suction between stamping tools and wet concrete to facilitate the release of flexible tools. Used in situations where a dry-shake release is too dusty to use, Liquid Release is ideal for interior use and is fragrance-free and non-irritating to nasal passages. For best results, it is recommended to spray it on the underside of the stamping tool prior to stamping.



### Trowel Glide

TROWEL-GLIDE is an easy-to-use waterbase finishing aid used to smooth concrete finishes and reduce the chance of surface cracking. The use of TROWEL-GLIDE will also create an invisible film to prevent rapid moisture loss from the concrete surface during high temperatures, extreme wind and low humidity.

## STAMPED OVERLAY PRODUCTS

### Thin-Crete™ (Tintable) Stamped Overlay Grout

Thin-Crete Grout is an easy-to-use tintable polymer-modified, cementitious-based, single-component grout designed for use on new or worn concrete substrates. Thin-Crete stamped overlay offers the texture, look, feel and durability of stamped concrete. Thin-Crete's polymer modification provides excellent adhesion, toughness, and long-term durability making it an ideal solution to renovate or revitalize existing interior or exterior concrete surfaces, and do so without the time and expense of removal.



### Thin-Crete™ Color Pack

Convenient pre-measured color for tinting Thin-Crete Grout. Simply add contents into grout when mixing for perfect color every time.

### Bond-Crete™

Bond-Crete is a high strength bonding agent with a high solids content for increased durability. Its unique co-polymer penetrates into an existing concrete surface to provide excellent bonding with an overlay grout such as Thin-Crete, New-Crete or Micro-Crete.

Bond-Crete is the ideal choice for bonding concrete caps, stair facings and anytime a new surface is poured over an existing one.



### Antiquing Agent

Antiquing Agent is a unique coloring agent which, when dissolved in water, provides stunning accents to Thin-Crete or stamped concrete. These colorants are designed to tint grout lines and stamped impressions without affecting the base color of Thin-Crete. While Antiquing Agent is formulated to use with stamped Thin-Crete, it may also be used to highlight any stamped concrete surface prior to sealing.



## SPRAYED OVERLAY PRODUCTS

### Spray-Deck/Texture-Crete Grout

Spray-Deck Grout is a premixed cement and extra-fine aggregate blended to be used with Spray-Deck/Texture-Crete Resin for maximum strength and durability. It's the perfect solution for covering unsightly concrete surfaces. When applied as a second layer with pattern stencils can provide the look of brick, tile, cobblestone, and a variety of other patterns.

- ✓ 5 Standard Colors
- ✓ Premixed For Strength & Durability
- ✓ The Perfect "Cover-Up"
- ✓ Creates a Non-Slip Surface
- ✓ Ideal for use with Concrete Stain



### Increte Weld LV Crack Repair

Increte Weld LV Crack Repair is a 2-part, 100% solids moisture insensitive, rapid-cure epoxy compound. It is a low viscosity formulation which develops high strength and high modulus.

### Liquid Dispersion

Liquid Dispersion grout colorant contains carefully combined, computer specific combinations of coloring agents to provide a variety of base layers colors. Liquid Dispersion grout colorant is UV resistant and will not fade, the prescribed amount of colorant and base grout color is specified on each container.

- ✓ 30 Standard Colors
- ✓ Ready To Add To Grout



### Spray-Deck/Texture-Crete Resin

Spray-Deck Resin is a specially formulated concentrated co-polymer resin for all Spray-Deck/Texture-Crete Systems. This admixture when added to grout provides high strength and mechanical bond, freeze/thaw resistance, and good chemical resistance. Proven to provide long-term durability for exterior exposure, and can be utilized with a variety of substrates.

- ✓ High Strength and Mechanical Bond
- ✓ Use With A Variety of Substrates



## SELF-LEVELING/MICRO-TOPPING/VERTICAL OVERLAY

### New-Crete Self-Leveling Grout

New-Crete is an easy-to-use self-leveling polymer-modified, cementitious-based, single-component compound designed for use on structurally sound interior concrete. New-Crete's acrylic polymer modification promotes excellent adhesion, toughness, and long-term durability. New-Crete offers fast set properties that allow for a walkable surface in as little as 12 hours, and a stainable surface in 24 hours. It is the ideal solution for interior floor resurfacing in preparation for staining with a variety of stains such as InCrete's Stain-Crete, Stone Essence, Concrete Stain or Vibra-Stain.

- ✓ Eliminates Removal of Existing Concrete
- ✓ Self-Leveling
- ✓ Cures up to 4000 psi
- ✓ Walkable in 12 Hours.
- ✓ Stainable in 24 Hours



### Thin-Crete Vertical Grout

Thin-Crete Vertical Grout is a single component surfacing compound specially created for application on vertical surfaces. The light weight cementitious dry mixture has been formulated to avoid sagging and running during application on vertical surfaces. Thin-Crete Vertical is both strong and light weight. It can be applied at a thickness of up to 2 inches, offering the ability to create deep textures and natural appearing surfaces without requiring added reinforcement on structurally sound vertical surfaces.

- ✓ Formulated for Vertical use
- ✓ Resists Sagging
- ✓ Strong & Lightweight
- ✓ May be colored with a variety of stains



### Micro-Crete Micro-Topping

Micro-Crete is a single component cementitious polymer resin micro-topping designed for interior and exterior application. Micro-Crete's eco-friendly formula mixes with water for creating a smooth or broomed finish. Curing at 4000 psi, Micro-Crete allows re-surfacing of existing, structurally sound concrete surfaces. Ideal for use with InCrete Stains!



## STAINS & DYES

### Stain-Crete (Acid Stain)

Acid Stain is a deep penetrating acid-based chemical stain that can be used to color old or new concrete (which has cured for a minimum of 14-28 days). It chemically reacts with cured concrete, NEWCRETE or MICRO-CRETE to provide a distinctive permanent color with a subtly shaded marbled effect similar to the look of aged natural stone. Because STAIN-CRETE penetrates so deeply, it can be used for both interior and exterior applications. It can be applied to both horizontal and vertical surfaces giving an attractive custom look to any masonry surface that, once sealed, is impervious to alkali, salts and salt spray, UV rays, and abrasion.

- ✓ Deep Penetrating
- ✓ Variegated Finish
- ✓ UV & Alkali Resistant
- ✓ Won't Chip, Peel or Fade



### Vibra-Stain Concentrated Dye

VIBRA-STAIN is a uniquely blended solution of dyes that is diluted with water to create deeply penetrating vibrant semi-transparent color for concrete surfaces. While it provides rich, deep vivid color, the dilution may be varied to achieve an array of desired shades, and multiple colors may be combined to offer a limitless palette of possibilities that won't crack, chip or peel. Vibra-Stain may be mixed with water, acetone or alcohol.

- ✓ Concentrated formula
- ✓ Unlimited Color Possibilities
- ✓ Brilliant, Vivid Colors
- ✓ Ideal for Polished Concrete
- ✓ For interior application only



### Stone Essence - Concentrated Transparent Stain

Eco-friendly Stone Essence is a concentrated concrete stain that penetrates to beautify concrete surfaces with the mottled, variegated finish of an acid stain without the negative impact of acid or VOC's. Ideal for interior or exterior applications, Stone Essence turns ordinary concrete surfaces into elegant and inspiring works of art and an ideal enhancement to any decor or landscape. In addition, as a non-VOC, non-acid product, it can be applied in occupied dwellings with clean-up that's easy and safe.

- ✓ Eco-Friendly Formula
- ✓ Variegated Finish
- ✓ No Acids
- ✓ No VOC's
- ✓ UV Resistant
- ✓ 1 Quart makes 1 Gallon of Stain



### Concrete Stain-Sealer

Concrete Stain is a solvent based stain sealer formulated with special acrylic resins designed to provide deep penetration for all concrete and masonry surfaces. The unique formula protects surfaces with long-lasting durability, resistance to grease and oil stains, will not fade, and is alkali proof. The special resin system is designed to withstand high traffic and wet or dry abrasion.

- ✓ Seals and Protects
- ✓ Easy Maintenance
- ✓ UV & Alkali Resistant
- ✓ Increases Durability



### Concrete Stain-Sealer (Water Based)

Water Based Concrete Stain offers the beauty of Concrete Stain in an Eco-friendly water based formula.



## SEALERS & PROTECTIVE COATINGS

### Clear Seal (Solvent Based)

Clear Seal is a pure acrylic crystal clear, non-yellowing sealer. Clear Seal can be used to seal any Increte System, and is excellent for use on all other masonry surfaces. The solvents incorporated into the Clear-Seal formula offer excellent penetration and a breathable film that allows moisture in hardened concrete to evaporate. Clear-Seal is recommended for both interior and exterior surfaces, whenever outstanding abrasion resistance is desired.

- ✓ Seals & Protects
- ✓ Beautifies & Enhances Decorative Surfaces
- ✓ UV & Weather Resistant
- ✓ Improved Wear Resistance
- ✓ Non-Yellowing & Breathable



### Crystal Clear VOC

Crystal Clear (VOC) is a low viscosity solvent based Wet Look finish sealer that complies with all OTC VOC requirements. Crystal clear, fast drying, and deep penetrating, Crystal Clear (VOC) can be used to seal and protect any Increte Systems surface as well as all other masonry surfaces.

- ✓ Seals & Protects
- ✓ OTC Compliant
- ✓ Super low viscosity



### Clear Seal 100 VOC Clear Seal 400 VOC

Clear Seal solvent and water-based sealers are also available in two formulas with low VOC contents of less than 100g/l and 400g/l. Both Clear Seal 100 VOC and Clear Seal 400 VOC offer excellent penetration while providing outstanding protection with a beautiful Wet Look finish. Specially formulated for use in California



### Clear Seal (Water Based)

Clear Seal (Water Based) is an odorless, non-flammable sealer that provides a crystal clear finish. It is the ideal sealer choice for indoor applications, and can be used to seal and protect any Increte Systems surface as well as all other masonry surfaces.

### Cure-Crete

Cure-Crete is specially designed to provide a quality cure and seal while assuring total resistance to yellowing from ultra-violet exposure. Cure-Crete is particularly well suited for curing and sealing exterior architectural concrete.



### Cure-Crete Plus VOC

Cure-Crete PLUS VOC is a high solids formula to provide highly efficient moisture retention, strength gain, and excellent protection from liquids, weathering and abrasion. This unique solvent blend delivers the performance benefits of traditional solvent based curing and sealing products while ensuring compliance with VOC regulations.



### Cure-Crete Plus

Cure-Crete Plus is a high solids, high viscosity solvent based curing and sealing compound specially designed to cure new concrete. Cure-Crete Plus provides a glossy non-yellowing seal to make the surface resistant to dirt penetration and other staining, and is ideal for interior and exterior application.



### Cure-Crete WB (Water-Based)

Cure-Crete WB is a specially formulated non-yellowing water based cure and seal compound for use on new concrete pours as a curing agent. Cure-Crete Water-Based comes in a clear non-pigmented formula and may also be custom blended to match any integral color pour.



## SPECIALTY COATINGS

### High Performance Epoxy-Clear

High Performance Epoxy is a 100% solids performance coating designed to provide high gloss, high build protection for concrete and masonry surfaces. As a 100% solids coating, High Performance Epoxy has lower solvent odor than typical industrial coating. This feature allows for use in occupied buildings. High Performance Epoxy is chemically resistant, antimicrobial and easily buffable. Both components packaged in a convenient single pail.



### High Performance Epoxy-Pigmented

Available in 30 standard colors, High Performance Epoxy is a 100% solids performance coating designed to provide high gloss, high build protection for concrete and masonry surfaces. As a 100% solids coating, High Performance Epoxy has lower solvent odor than typical industrial coating. This feature allows for use in occupied buildings. High Performance Epoxy is also easily buffable. Custom Colors Available.



### Paver Sealer

Paver Sealer is a solvent based, acrylic, deep penetrating clear sealer specially formulated for interlocking brick pavers. Paver Sealer provides a glossy new look while reducing staining. Paver Sealer is non-yellowing with excellent UV resistance, very durable, and will not peel or flake when properly applied. VOC version also available.



### Counter-Kote

Counter-Kote is a Food & Drug Administration compliant surface coating for food contact. Counter-Kote is a 100% solids clear epoxy system that provides a durable surface with superb resistance to abrasion and chemicals. Counter-Kote can be used on residential and commercial concrete counter, bar, and table tops.



### High Gloss Wax

High Gloss Wax is a clear, durable wax that resists surface abuse when properly maintained and leaves a beautifully lustrous finish. Heal mark, stain, and abrasion resistant, Increte's High Gloss Wax is easily buffable and free from odors and fumes during application.



### Low Gloss Wax

Low Gloss Wax is, like Increte's High Gloss Wax, is a clear, durable wax specially formulated to leave a softer satin finish for surfaces where a high gloss shine is not desired.



### Urethane (Kit)

Urethane is the ultimate gloss finish for interior flooring. This two-component polyester polyurethane is light stable (non-yellowing) while providing superior adhesion and hardness with a chemically cured film that is highly resistant to chemicals, stains and abrasion. Requires application of an epoxy primer coat.



### WB Urethane Kit (Water Based)

Water Based Urethane is a two-component urethane coating with excellent wear and adhesion properties. Low odor and non-yellowing, Water Based Urethane may be applied directly to concrete, however the use of a primer is recommended. As a top coating Water Based Urethane meets all USDA guidelines for use in federally inspected facilities. May be applied directly to concrete - for optimal results apply an epoxy as primer.



## SPECIALTY CLEANERS

### Grease-A-Way

Grease-A-Way is a concentrated degreaser for concrete, stone, and masonry surfaces. This powerful degreasing solution provides a safe and economical means for cleaning up grease and oil stains, wax, and dirt. Grease-A-Way is easily adjusted to match the cleaning strength required.



### Solv-Kleen

Solv-Kleen is a special blend of solvents designed to clean spills and application equipment from Clear-Seal, pigmented solvent base stains and epoxy coatings.





## MISCELLANEOUS PRODUCTS

### Densifier/Densifier Plus

Densifier and Densifier Plus are specially formulated liquid concrete floor hardeners ideal for heavy traffic surfaces. Each is a solution of sodium silicates designed to react with the concrete to seal the pores and chemically harden the surface. Densifier Plus includes lithium and added silicates to increase water repellency and minimize ASR cracks. Densifier & Densifier Plus increase abrasion and stain resistance, eliminate dusting, and are permanent integral waterproofers.



### Mono-Fiber

Mono-Fiber adds long term durability and functions as plastic reinforcement intended to reduce the formation of shrinkage cracks in concrete.

### Shur-Grip/Ultra-Grip

Shur-Grip and Ultra-Grip are finely graded additives for sealers and coatings where increased slip resistance is desired. Each leaves a unique textured durable surface (Ultra-Grip is slightly greater in particle size creating an increase in the texture of the surface). Both Shur-Grip and Ultra-grip are recommended for indoor and outdoor applications, especially over decorative concrete surfaces where other non-skid materials cannot be used because of their color.



### Uni-Stripp

Uni-Stripp is an environmentally safe paint, film and coatings remover designed to remove solvent base thermoplastic acrylic and two component epoxy sealers from concrete surfaces. Uni-Stripp is biodegradable, non-toxic, non-flammable, and non-combustible. In addition, Uni-Stripp also works well in removing stains, varnish, and sealers, as well as epoxies.



### Granite Coat (Vinyl Chip System)

Granite Coat Vinyl Chips are part of the Granite Coat epoxy flooring system designed to duplicate the look of terrazzo or granite floors. The Granite Coat System consists of a base coat of High Performance Epoxy (Pigmented) a broadcast coat of Granite Coat Vinyl Chips and a finishing top coat of High Performance Epoxy (Clear). The Granite Coat System is ideal for garage floors, basement floors, gamerooms, restaurants, clinic floors, workshop floors as well as lobbies and entryways. The Granite Coat System can be purchased as a kit or as separates.



Aegean Blue



Feldspar



Bronze



Mica

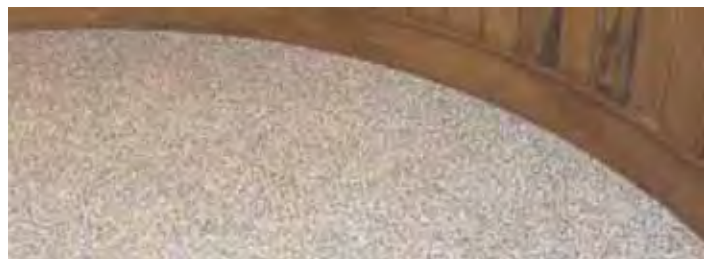


Charcoal



Roman Red

Available in  
6 Standard  
Color Blends



### Wall Form Release

Wall Form Release is a premium quality water based release which will eliminate concrete build-up and reduces bug holes. Non-residual, non-staining, and VOC compliant, Wall Form Release can be used effectively in all types of weather and resists rain wash-off, and meets Army Corp. of Engineers specifications. Ideal for use with Stone-Crete, Increte Systems Wall Form Release can also be used with standard concrete forms.



### Stone-Crete Color Spray

Stone-Crete Color Spray is a pre-mixed cement and pigmented mineral powder blend that is specially formulated for use with the Increte Systems Stone-Crete Architectural Wall System as a simple way to revitalize unsightly concrete wall systems or change color to existing walls. It is ideal as a foundation for use with Increte Stains and other coloring methods.



## Metacaulk® MC 150+

A one component, general purpose fire-rated sealant and smoke seal for construction joints and through-penetrations. It prevents the spread of flames, smoke, and gas through penetration openings. Metacaulk® MC 150+ is a water based, non-sag caulking grade sealant that is easy to apply as well as to retrofit. Metacaulk® MC 150+ can be used on various penetrations such as top of the wall construction joints, deflection track wall systems, EMT, telephone and power cables in concrete floors and walls, gypsum walls as well as wood floors. Metacaulk® MC 150+ may be applied with a caulking gun or trowel. For large applications, it may be pumped from the pail. Metacaulk® MC 150+ cures to an elastomeric seal that is suitable where dynamic movement is expected. STC rating 51\*.

\*Tested in a UL 411 wall assembly/section to ASTM E90

- **Economical**
- **Water-based - VOC compliant**
- **Flexible Set**
- **Paintable**
- **Bonds Quickly**
- **Safe & easy to use**

Metacaulk 150+		
Product Code	Size	Quantity
66382	10.3oz cartridge	12
66385	20.2oz Sausage Pk.	12
66383	30oz cartridge	12
66389	5 Gallon	1



## Metacaulk® 1000

A water based, single-component, general purpose, fire-rated sealant for through-penetrations on both vertical and horizontal surfaces, as well as construction joints. It is designed for use in floors or walls and can be used on PVC, CPVC, ABS, PVC foam core, ABS foam core, PP or plastic pipes, polybutylene (PB), insulated and uninsulated steel pipe, copper and cast iron. STC 54\*. Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops. U.S. Patent No. 6,207,085.

\*Tested in a UL 411 wall assembly/section to ASTM E90.

- **Flexible Set**
- **Economical**
- **Highly Intumescent**
- **For interior use - Paintable**
- **Excellent Freeze-Thaw**
- **Non-sagging, non-toxic, no VOC's**

Metacaulk 1000		
Product Code	Size	Quantity
66302	10.3oz cartridge	12
66303	30oz cartridge	12
66305	Gallon	4
66307	2 Gallon	1
66309	5 Gallon	1
66312	20.2oz Sausage Pk.	12

## Metacaulk® 1200

A water-based firestop sealant that comes in three different grades and 2 colors: red and an easy-to-paint white. A spray application of Metacaulk® 1200 provides a fast, economical means of installation for long joint runs. Self Leveling is made for horizontal applications and caulk grade is a non-sag sealant that is easy to apply. Metacaulk® 1200 is also an excellent, fire-rated acoustical sealant. It cures to an elastomeric membrane seal suitable for use where dynamic movement is expected. STC Rating 50\*.

\*Tested in a UL 411 wall assembly/section to ASTM E90.



Metacaulk 1000		
Product Code	Size	Quantity
66015	30oz cartridge	12
66292	20.2oz Sausage Pk.	12
66521	Quart Self Leveling	12
66379	5 Gallon	1
66387	5 Gallon Caulk Grade	1
66523	5 Gallon Self Leveling	1
66525	30 Oz Cartridge-White	12
66527	5 gallon Spray-White	1



## Metacaulk® Putty Pads

Used to maintain the hourly rating of fire rated walls containing electrical outlet boxes and to reduce sound transmission. Only one pad thickness (1/8) inch is required for a 1 or 2 hour fire rating. No additional putty material is needed to plug the end of each electrical metallic tube or conduit at its connection to the box. STC Rating 60\*.

\*Tested in a UL 411 wall assembly/section to ASTM E90



- **Easy to install / Applied by hand**
- **No Asbestos Fillers**
- **No Mixing**
- **Adheres to all common building surfaces**

Metacaulk Putty Pads		
Product Code	Size	Quantity
66340	6" x 7" x 1/8" thick	20
66335	7" x 7" x 1/8" thick	20



## Metacaulk® Firestop Pillows

Intumescent and designed for use primarily in large openings with cables, cable trays, blank openings or multiple penetrating items. In the event of a fire, **Metacaulk® Firestop Pillows** will prevent the spread of flames and hot gases through the opening.

- **UL Classified system up to 4 h**
- **Easy to install / No tools required**
- **Cost effective - Reusable**
- **Forms a very strong char**
- **No wire mesh required in most installations**
- **Two sizes**

Metacaulk Firestop Pillows		
Product Code	Size	Quantity
66362	2" x 9" x 6"	10
66363	3" x 9" x 6"	10

## Metacaulk® Fire Rated Mortar

A load bearing mortar formulated to economically firestop large openings for through-penetrations in fire rated walls and floors. It can be used with power cables, fiber optic or telephone cables, aluminum or steel cable trays, EMT, copper, steel or cast iron pipe.

Metacaulk Fire Rated Mortar		
Product Code	Size	Quantity
66331	20 lb Pail	1
66334	45 lb Stack	1



- **Tested in accordance with ASTM E814 (UL 1479) for up to 4 hours rating with only 4-1/2" thickness**
- **Easy to use**
- **High yield per pound**
- **Cost saving in labor and material for medium to large openings when compared with products such as composite sheets**



## Metacaulk® Wrap Strip

A flexible strip of highly intumescent firestop material used primarily for plastic and insulated pipe applications. When exposed to heat, this product expands and forms a hard char to seal off the penetration by preventing the passage of flames and hot gases. Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops. U.S. Patent No. 6,207,085.

Metacaulk Wrap Strip		
Product Code	Size	Quantity
66135	1" x 12' strip	6
66136	2" x 12' strip	4



### ACCELERATORS

#### Accelguard® 80

An accelerating, water reducing admixture for concrete designed to improve the properties of plastic and hardened concrete.

#### Accelguard® 90

Non-Chloride, accelerating, water reducing admixture for concrete that does not contain calcium chloride and increases early strength at low temperatures.

### INCRETE COLOR

#### Colorcrete - Integral Color

Admixtures formulated from special pigments designed to color, beautify, strengthen and improve the workability of concrete.

#### Liquid Integral Color

A special inorganic pigments dispersed in water designed to color and beautify the appearance of concrete.

### MORTAR ADMIXTURES

#### Accelguard® 80

An accelerating, water reducing admixture for mortar that does not contain calcium chloride.

#### Euco Winter Admixture

A chloride-based, multipurpose liquid admixture designed to accelerate the setting time of mortar.

#### Integral Waterpeller

Increases the plasticity of mortar, reduces water absorption and thereby guards against freeze-thaw damage.

### SURFACE & EVAPORATION RETARDERS

#### Concrete Surface Retarder F & S

Chemical formulations which retard the set of the mortar at the surface to provide an exposed aggregate look.

#### Eucobar

A water-based polymer designed to be used as an evaporation retardant on concrete flatwork.

### EQUIPMENT CLEANERS

#### Arrmasoap 25

A high action detergent, ready-to-use equipment degreaser, protectant and neutralizer.

#### Concrete Blaster

A unique liquid which has the ability to remove hardened, built-up concrete from tools and equipment

#### Drumclean 100

A ready-to-use concrete residue cleaner designed specifically for cleaning the outside of ready-mix trucks

### DUST CONTROL

#### Euco DUSTdown

An environmentally safe, low odor, natural liquid polymer which provides an effective long-lasting method for controlling dust on many types of road surfaces.

### BONDING AGENTS & ADHESIVES

#### Latex Based

##### Akkro-7T

A non-redispersable, liquid bonding admixture used to produce polymer modified concrete and mortar.

##### Euco Weld

A polyvinyl acetate based adhesive for permanently bonding plaster, stucco and concrete to damp or dry concrete and masonry surfaces.

##### Flex-Con

A water dispersion of an architectural grade acrylic latex specifically designed for modifying portland cement compositions.

##### SBR Latex

A carboxylated butadiene styrene co-polymer latex admixture that is designed as an integral adhesive for mortars and concrete.

#### Epoxy Based

##### Dural Fast Set Epoxy LV, MV, Gel

A rapid setting, high strength, epoxy adhesive binder available in pre-packaged single and dual component cartridge kits and bulk.

##### Duralbond

A two-part, multi-purpose, 100% solids, moisture insensitive epoxy bonding agent used to bond fresh plastic concrete to hardened concrete.

##### Duralcrete LV, MV, Gel

A high modulus, multi-purpose, two-component, moisture tolerant epoxy resin compound for load bearing applications.

##### Duralprep A.C.

A three-component, pre-proportioned, water-based epoxy modified portland cement bonding agent and anti-corrosion coating.

##### Euco #452 LV, MV, Gel

A 100% reactive, two component material designed as a moisture insensitive adhesive and binder for numerous application needs. MV and Gel are available in cartridges.

##### Eucopoxy Injection Resin

A 100% reactive, two component material designed for numerous injection and sealing needs.

##### Flexocrete Epoxy System

A 100% reactive, two component material designed as a moisture insensitive adhesive and binder for numerous application needs.



### COATINGS - ARCHITECTURAL WALL

#### Tammscoat

A high build, water-based, acrylic coating used to protect and decorate sound masonry and concrete surfaces.

### COATINGS - DECORATIVE FLOOR

#### Epoxy Based

##### Duraltex

A versatile, 100% solids epoxy binder used in a wide variety of industrial and decorative floor applications. Versatile - coatings, broadcast floors, chipfloors, and trowel-down, anti-microbial and chemical resistant.

#### Urethane Based

##### Euco Tammoshield

A non-yellowing, two-component water based aliphatic polyurethane sealer that provides a glossy, durable surface to concrete and masonry surfaces. It cures by a true thermoset reaction, providing toughness and chemical resistance that far surpasses that of acrylic or one-component water based urethane sealers.

### COATINGS - INDUSTRIAL

#### Epoxy Based

##### Dural 356

A two-component, water-based epoxy which exhibits performance characteristics comparable to solvent based epoxies.

##### Duralkote 240

A 100% solids, two-part epoxy-based system designed for use as a wall and floor coating. Although flexible, Duralkote 240 offers excellent chemical and abrasion resistance.

##### Duraltex 1705 & 1707

A 100% solids, two-part epoxy coating offering good chemical resistance to a broad range of solvents, salts, caustics and acids, most often used in trowel down or broadcast applications. Duraltex 1707 is the flake filled, high build version of Duraltex 1705 used for coating walls or floors.

##### Duraltex 1805 & 1807

An epoxy novolac and offers excellent chemical resistance to aggressive chemicals such as 98% sulfuric acid, 37% hydrochloric acid etc., most often applied by a trowel down or broadcast application. Duraltex 1807 is the flake filled, high build version of Duraltex 1805 used for coating walls or floors.

##### Eucopoxy Tufcoat

A two-component, solvent-based, high performance epoxy floor coating system designed to provide excellent wear and chemical resistance.

##### Eucopoxy Tufcoat HB+

A two-component, 100% solids, high build epoxy floor coating system designed to level pitted concrete floors.

##### Eucopoxy Tufcoat VOX

A two-component, water based epoxy floor coating system designed to provide excellent wear and chemical resistance.

#### Urethane Based

##### Dural 1004-C

A two-part, solvent-based aliphatic polyurethane coating for concrete and metal which offers outstanding abrasion resistance, excellent flexibility and color stability.

##### Eucothane & Eucothane VOX

A two-component, polyurethane floor coating system with outstanding resistance to abrasion and chemical attack. Eucothane VOX is a lower VOC version which offers the same chemical and wear resistance properties.

### COATINGS - TRAFFIC DECK

#### Epoxy Based

##### Dural 50

An ultra low viscosity acrylated epoxy used for sealing concrete, grouting cracks, that can be gravity fed or pressure injected.

##### Dural 335

A two-part, 100% solids, low modulus, moisture insensitive epoxy binder suitable for use in applications where stress relief and resistance to mechanical and thermal movements are required.

##### Flexolith

A two-part, 100% solids, low modulus, moisture insensitive epoxy binder suitable for use in applications where stress relief and resistance to mechanical and thermal movements are required.

##### Flexolith Summer Grade

A two component, 100% solids, low modulus, moisture insensitive, epoxy binder with properties which make it suitable for use in applications where stress relief and resistance to mechanical and thermal movements are required.

### COATINGS - PRIMERS

##### Dural Epoxy Primer

A 100% solids, two-component, epoxy penetrating primer designed for use as a primer with Dural topcoats, water-based epoxies, 100% solids epoxies and urethane coatings.

##### Duraprime WB

A water-based epoxy primer for concrete surfaces.

##### Tamms H/P Primer

A primer for concrete or masonry surfaces that aids in the proper curing of acrylic resin or cement based masonry coatings.

##### Tamms Masonry Primer

A heavy bodied, off-white, water-based acrylic emulsion block filler applied exterior or interior above grade and interior below grade to fill pores of masonry surfaces and still permit the wall to breathe.





## CURING AND CURING & SEALING COM- POUNDS

### Curing Compounds

#### Kurez DR VOX

A reduced odor, liquid membrane forming curing compound formulated from hydrocarbon resins. The membrane coating provides an excellent initial cure for concrete, then begins to break down and deteriorate upon exposure to traffic and UV light.



### Solvent Based Curing and Sealing



#### EverClear TB

An OTC compliant pure acrylic curing compound and cure & seal that protects and enhances the appearance of concrete with a clear, non-yellowing film that is more durable than standard polymer blend cure and seal products.

#### Luster Seal 300

A clear, non-yellowing, solvent-based cure and seal for concrete.

#### Super Diamond Clear TB

An OTC compliant concrete curing compound and cure & seal specially designed with a high solids formulation to provide the most efficient moisture retention for proper cement hydration and strength gain as well as protection from liquids, weathering and abrasion.



### Water Based Curing and Sealing

#### Aqua-Cure VOX

A low odor, water-based membrane forming liquid for curing, sealing, and dust proofing concrete.

#### Super Aqua-Cure VOX

A water based, low odor membrane forming liquid for curing, sealing, dustproofing, and hardening concrete. Super Aqua-Cure Vox is suitable for use over new and old concrete and performs well on both interior and exterior concrete.



#### Eucocure VOX

A liquid, membrane forming curing and sealing compound for concrete. It protects new concrete and reduces crazing, spalling and flaking on the surface.



#### Super Diamond Clear VOX

A high solids acrylic, emulsion blend curing and sealing compound for freshly placed concrete. This product provides a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure.

## DRY SHAKE FLOOR HARDENERS

### Metallic Aggregate

#### Euco-Plate HD (Natural & Colored)

A dry shake, metallic floor hardener with graded iron aggregate in a high strength cementitious binder. Designed to be incorporated into fresh concrete slabs, EUCO-PLATE HD provides a dense, tough surface capable of withstanding the abrasion and impact loading seen by floor slabs of industrial and manufacturing facilities. EUCO-PLATE HD has been specially formulated to be applied at heavy application rates. EUCO-PLATE HD is also used to construct iron armored joints to protect and reinforce joint shoulders in heavy traffic areas.

### Natural Aggregate

#### Non-Slip Aggregate

A crushed and graded igneous aggregate, recommended for use wherever a hard, long wearing, heavy duty, non-slip floor is required. Its wear resistant qualities often exceed those of stone, gravel and various other selected materials often used in the construction of heavy duty floors. It is available in standard #8-#30 size and other sizes to meet various specifications.

#### Surflex (Natural & Colored)

A quartz-silica mixture of finely graded non-metallic aggregates, plasticizer and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. It is particularly valuable because of its non-rusting characteristics when floors will be frequently wet. SURFLEX is available in eight non-fading colors as well as natural.

## GROUTS

### Cementitious

#### Euco Rock

A pourable, fast setting hydraulic cement designed for anchoring or grouting applications. Euco Rock sets in less than 10 minutes and rapidly achieves load bearing and bond strength properties. It does not contain any metallic aggregate or any chloride ions.

#### NS Grout

Designed for critical use where high strength, non-staining characteristics and positive expansion are required. It contains only natural aggregate and an expansive cementitious binder. It is extremely flowable and when cured appears similar in appearance to concrete.



### Epoxy

#### E<sup>3</sup>-G

A high strength epoxy grout designed for grouting of machine and equipment bases of all types. Formulated to be used in both thin and thick sections, E<sup>3</sup>-G is suitable for grouting bases of numerous configurations. This formula gives excellent strengths and resistance to many corrosive chemicals. E<sup>3</sup>-G provides excellent bond to foundation and provides maximum bearing for long lasting grouting projects.





## REPAIR - HORIZONTAL

## Cementitious Mortars

## Concrete-Top Supreme

A latex and microsilica modified cementitious mortar designed for use as a concrete repair mortar at thicknesses of 3/8"-2". This product is a one part formula which incorporates powder latex technology. It provides excellent durability under freeze/thaw cycling as well as reducing ingress by water and deicing salts.



## Eucocrete

A versatile, one-part patching and repair compound for repair projects of all types in thicknesses of 1" to 6". Requiring only the addition of water, Eucocrete is a high strength material which is easy to use with an extended working time for ease of placement.

## Express Repair

A cement based, ready to use, patching and repair mortar with rapid strength gain. It develops a tenacious bond with excellent durability.

## Tamms Thin Patch

A polymer modified, cement based material that is formulated for patching and repairing concrete and masonry. Outstanding bond strength and high durability.

## Tammspatch II

A two-component polymer reinforced, cementitious mortar and underlayment. Featheredge to one inch, 2.5 inches if extended. Moist curing generally not required.

## Thin-Top Supreme

A latex and microsilica modified cementitious mortar designed for use as a floor or deck topping at thicknesses of 1/16" to 3/8". This product is a one part formula which incorporates powder latex technology. It provides excellent durability under freeze/thaw cycling as well as protection against ingress by water and deicing salts.



## VersaSpeed

A versatile, one part, rapid setting patching and repair compound for horizontal, form and pour repair projects. VersaSpeed repairs can be coated with epoxy in 4 hours in 70°F environments.

## Epoxy Mortars

## Duraflex Fastpatch

An easy to use, fast set, three component, 100% solids, moisture insensitive, low modulus epoxy repair kit used for stress relief and resistance to impact. Pre-measured resin, hardener and specially blended "non dusting" aggregate. Resistant to thermal and mechanical movements.

## Self Leveling Underlayments

## Flo-Top

A free flowing, self-leveling, compound specially designed for easy application over concrete floors as an underlayment for subsequent placement of floor coverings. It is suitable for use as a repair and leveling course and may be applied at thicknesses from featheredge to 1".



## Super Flo-Top

A Portland based, free flowing, self-leveling compound specially designed for easy application over concrete floors as an underlayment for subsequent placement of floor coverings. It is suitable for use as a repair and leveling course and may be applied at thicknesses from featheredge to 1". Super Flo-Top is a one part system requiring only the addition of water for mixing.



## Cathodic Protection

## Sentinel-GL

A self-generating cathodic protection system designed to mitigate the corrosion of reinforcing steel in concrete. Its principal function is to counteract the "anode ring effect" and significantly extend the service life of concrete patch repair.

## REPAIR - UNDERWATER

## Speed Crete Blue Line

A proprietary formulation of blended Portland cements, finely processed aggregates, and specific chemical additives designed to provide a fast, set, particularly for underwater use. Initial set in 3 to 5 minutes. Used, without forming, at no slump consistency.

## REPAIR - VERTICAL/OVERHEAD

## Cementitious Mortars

## Speed Crete PM

A ready-to-use, one-part, polymer modified, cement-based concrete and masonry patching compound requiring only potable water for mixing.

## Speed Crete Red Line

A fast setting, cement based concrete and masonry patching compound which when combined with the correct amount of water, undergoes a chemical "hyper hydration" and produces a stable, low permeability, cementitious matrix. Initial set in 8 to 10 minutes - final set within 20 minutes. High strength with excellent durability.



## Speed Plug

A quick setting hydraulic cement compound used to instantly stop running water or seepage leaks in masonry or concrete. Non-shrinking, non-metallic and non-corrosive. Initial set in 1 to 3 minutes. Can be applied under water.

## Verticoat Supreme

A one component, microsilica and latex modified, non-sag repair mortar. This cement based product is designed for trowel applied vertical and overhead repairs requiring high performance. Features: excellent freeze/thaw resistance for difficult climates, low permeability helps protect rebar from corrosion, high bond strength provides excellent adhesion, normal setting times increase workability and reduce waste, microsilica and latex modified for high in place performance.





# JOINT FILLERS & SEALANTS / SEALERS/LIQUID DENSIFIERS / WATERPROOFING & DAMPPROOFING / CLEANERS

## JOINT FILLERS & SEALANTS

### Euco 700

A two component, semi-rigid epoxy for filling control and construction joints in industrial concrete floors. This product supports the joint edges and reduces spalling of the edges caused by wheel traffic. Semi-rigid formula allows for limited temperature and humidity movement of concrete. Available in selected color formulations for use with colored dry shake floor hardeners.



### Euco QWIKjoint 200

A fast setting, semi-rigid polyurea used for filling control and construction joints in industrial concrete floors. Euco QWIKjoint 200 represents a new generation of polyurea technology with features and benefits unlike any other polyurea joint filler on the market. Among these benefits are a super fast set time and an extended shave time. Euco QWIKjoint 200 can be shaved immediately after placement or up to 24 hours later. It supports and protects joint edges from heavy loads and wheel traffic, reducing spalling to the joint edges.



## PENETRATING SEALERS / LIQUID DENSIFIERS

### Liquid Densifiers



#### Euco Diamond Hard

A unique blend of silicate and silicate polymers that penetrate concrete surfaces and chemically react to provide an increase in surface density, durability and abrasion resistance. Minimizes tire marks and enables them to be more easily removed.

#### Eucosil

A sprayable sodium silicate based compound for surface application to harden and dust proof concrete. Eucosil has no solvent vapors when applying and can be tiled over. Resists penetration of water, oil and chemicals. Equipment can be cleaned with water.



### Surfhard

A water based magnesium silicofluoride solution that reacts chemically with alkaline materials in concrete to produce a more dense, durable and chemically resistant floor. Resists acids, alkalis, oils and salts and can be used without interrupting production schedules. Improves concrete that is carbonated, soft or powdery.

### Penetrating Sealers

#### Baracade M.E.

An oligomeric alkyl alkoxy siloxane concentrate which is a solvent free, micro emulsion which, when mixed with water, self emulsifies into a unique product capable of repelling water on concrete and masonry surfaces. Reduces efflorescence and minimizes the damaging effect of freeze-thaw cycles.

### Chemstop WB Regular & HD

A water based, ready to use, siloxane/silane water repellent formulated for two different applications. Use Regular for dense surface, such as precast or poured in place concrete, and Heavy Duty for porous surfaces such as lightweight concrete, concrete block and mortar joints. Nonstaining, non-yellowing and breathable.

## WATERPROOFING & DAMPPROOFING

### Hey'Di K-11

A breathable, two part, polymer modified, cement based system for waterproofing concrete and masonry. The formulation has a texture and consistency similar to concrete and may be brush or spray applied. Waterproofs the negative or positive side through a crystallization process. For use on concrete, medium/heavyweight block, brick & shotcrete.



### Hey'Di Powder X System

A combination of cementitious and silicate based materials used on negative side surfaces to seal and stop leakage caused by hydrostatic pressure. This 3 coat, two part system consists of one powder and a liquid. Protects against hydrostatic pressure.

### Tamoseal

A cement-based polymer modified material designed to waterproof and decorate concrete and masonry. Breathable and durable, becomes an integral part of the substrate.



## CLEANERS

### Euco Clean & Strip

A heavy duty concrete floor stripper that is highly effective at removing curing compounds, oils, grease, most concrete sealers, and other contaminants from concrete floors. Euco Clean & Strip is formulated from an easy to use, biodegradable citrus-based solvent that will not etch concrete like acid based removers. Euco Clean & Strip replaces hazardous petroleum and chlorinated solvent based removal products.



## Hot Applied Waterproofing

### CCW 500R

#### *Reinforced Hot Applied Liquid Membrane System*

The CCW-500 is a single-component, hot applied, waterproofing membrane that cures to form a strong, flexible, fully adhered, monolithic waterproofing and roofing membrane. While serving as an exceptionally resilient waterproofing barrier, it also contains a special blend of renewable content, comprised of 26% pre-consumer material, and can contribute toward LEED® credits in new building construction.

The double-layer, reinforced CCW-500R system adheres tenaciously to virtually any structural surface, vertical or horizontal, to ensure that water will not migrate beneath the membrane in the event of physical damage. CCW-500R allows for applications on a wide variety of substrate conditions and enhances crack bridging capability.

### CCW 550

#### *Primer*

CCW-550 Primer is a single component, solvent-based bituminous primer especially designed to promote adhesion of the CCW-500 Hot Applied Liquid Membrane by preparing the concrete surface.

### CCW 711-90

#### *90 Mil Thick Sheet Membrane and Flashing*

CCW-711-90 Sheet Membrane and Flashing is a 90 mil thick composite consisting of a self adhering rubberized asphalt membrane laminated to a high strength, heat resistant woven polypropylene mesh. A siliconized release liner prevents the material from sticking in the roll, and is easily removed for installation. The factory controlled quality assures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane provide an excellent water barrier. The woven mesh is designed to withstand high temperatures, allowing the membrane to become an integral part of the CCW-500R Hot Applied and Vapor-Lock Waterproofing Systems.

### CCW Protection Board H

#### *Protection Board*

CCW Protection Board-H is a heavy duty asphalt impregnated organic mat with a fine mineral applied to the surface to prevent sticking in the roll. CCW Protection Board-H is very tough and provides positive protection to the waterproofing membrane during installation of other work.

### CCW Protection Board HS

#### *Protection Board*

CCW Protection Board-HS is a heavy duty modified bitumen protection board consisting of a medium weight fiber glass mat with a high quality SBS (Styrene-Butadiene-Styrene) rubber and asphalt blend. This elastomeric asphaltic blend lends elasticity and flexibility to the sheet. The inorganic fiber glass reinforcing provides high tensile strength, dimensional stability and tear resistance.



### CCW Protection Board V

#### *Protection Board*

CCW Protection Board-V is the Insulfoam R-Tech Fanfold that is a high-performance, rigid insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS) with advanced polymeric laminated facers designed to provide protection for waterproofing membranes on vertical walls.

### CCW Reinforcing Fabric

#### *Spunbonded Polyester Fabric*

CCW-Reinforcing Fabric is a 1.35 oz/square yard spunbonded polyester fabric used as the reinforcing layer in the CCW-500R Hot Applied Liquid Membrane System.

### CCW Uncured Neoprene

#### *Self Curing Neoprene Based Flashing Membrane*

Carlisle Coatings & Waterproofing Uncured Neoprene Flashing - Staining is a self-curing neoprene based membrane used for flashing Carlisle's CCW-500R Hot Applied Rubberized Asphalt System. The flashing is malleable and highly adaptable to irregular shapes and surfaces. The flashing membrane's resiliency enables it to expand and contract without weakening and it resists tearing, flex cracking and abrasion as well as other forms of deterioration caused by extremes of temperature, sunlight, precipitation and all forms of normal weathering when covered.



## Fluid Applied Waterproofing

### CCW 525

#### *Liquid Applied Waterproofing Membrane*

CCW-525 is a liquid-applied, single component, moisture cured, elastomeric, coal-tar free, modified polyurethane which cures to form a flexible, monolithic, waterproof membrane on vertical or horizontal surfaces, above or below grade. The membrane has tenacious adhesion to concrete substrates preventing lateral water migration. The inherent toughness and resilience of CCW-525 Membrane enables it to bridge structural or shrinkage cracks which may develop in the substrate.

### Barricoat-R Roller Applied Membrane

#### *Roller-Applied Rubberized Asphalt Membrane*

BARRICOAT-R is a roller applied, water-based, asphalt emulsion modified with a blend of synthetic rubbers and special additives, which cures to form a flexible, monolithic, waterproofing membrane on vertical surfaces, above or below grade. The membrane has good adhesion to concrete substrates preventing lateral water migration.

### MiraSEAL

#### *100% Solids, Fluid-Applied Waterproofing Membrane*

MiraSEAL is a 100%-solids, fluid-applied, single-component, moisture-reacted, elastomeric, coal-tar and solvent-free, modified polymer that cures to form a flexible, monolithic, waterproof membrane on vertical and horizontal surfaces.

### CCW 200V/300HV PROTECTION FABRIC

#### *Protection Fabric for CCW Waterproofing Membranes*

CCW 200V and 300HV Protection Fabrics are extremely tough nonwoven polypropylene protection courses, specifically designed by Carlisle Coatings & Waterproofing Incorporated to protect CCW waterproofing membranes.

CCW 200V Protection Fabrics is a specifically designed product to cushion and protect the CCW MiraDRI 860/861 and CCW butyl waterproofing membranes in vertical applications.

CCW 300HV Protection Fabrics is a thick nonwoven cushioning fabric that provides the ultimate solution for horizontal applications. Engineered to be placed over CCW MiraDRI 860/861 and CCW Butyl Membrane waterproofing membranes in horizontal and vertical applications. Also used as the critical moisture retention element in CCW green roof system.

### CCW 702

#### *Adhesive for use with Sheet Membranes*

CCW-702 is a quick drying, solvent based, high-tack adhesive specifically designed to promote maximum adhesion of CCW Sheet Membrane Waterproofing products. Apply by long nap roller or brush in an even film at 300 to 350 square feet per gallon. Caution must be taken not to apply excess contact adhesive which could cause longer drying times. Apply to surface the same day of application of membrane.

## Spray Applied Waterproofing

### Barricoat-S

#### *Spray-Applied Rubberized Asphalt Membrane*

BARRICOAT-S is a water-based, asphalt emulsion modified with a blend of synthetic rubbers and special additives. It cures rapidly to a monolithic, highly flexible waterproofing membrane. Barricoat-S is dispensed in tandem with Barricure, a non-corrosive, chloride free deliquescent salt solution.

BARRICOAT-S is a waterproofing and vapor barrier membrane for use in below grade foundation wall assemblies. Barricoat-S is for use on primarily-vertical surfaces and can be applied directly to concrete, masonry, polystyrene foam insulation board and many other common building materials.

### Barricure

#### *Aqueous curing solution for Barricoat-S*

Barricure is an aqueous solution of special ingredients for curing Barricoat-S rubberized asphalt emulsion in spray application. Barricure is sprayed in tandem with Barricoat-S through spray equipment approved by CCW.

## Self-Adhering Sheet Waterproofing

### CCW MiraDRI 860/861

#### *Self-Adhering Waterproofing Membrane*

CCW MiraDRI 860/861 are self-adhering sheet membranes consisting of 56 mils (1.4 mm) of rubberized asphalt laminated to 4 mils (0.1 mm) of polyethylene to form a minimum 60 mil (1.5 mm) membrane. CCW MiraDRI 860 membrane is a summer grade material, suitable for installations where the ambient temperature is 40°F (4.4°C) or above. CCW MiraDRI 861 should be used for applications between 25°F (-3.9°C) and 65°F (18°C). The combination of these two excellent waterproofing materials provides a high-performance, extremely durable waterproofing barrier.

### CCW 704

#### *Mastic*

Carlisle CCW-704 is a solvent base, rubberized bitumen mastic. After evaporation of the solvent, the remaining compound is a rubber-like material that adheres tenaciously to the polyethylene face of the sheet membrane. Used as a secondary seal on the seams, T-joints, overlaps and other terminations/penetrations of the CCW sheet membrane system.

### CCW 715

#### *Sheet Membrane Primer*

CCW-715 adhesive is designed to allow adhesion of CCW Sheet Membranes to damp or partially cured concrete surfaces. It allows installation of membrane as soon as forms are removed. Do not apply when visible water is present. Trapped water may cause blistering, keep direct sunlight off membrane and backfill immediately. Apply only areas to be waterproofed and backfilled the same day.



## Sheet Applied Waterproofing

### Sure Seal Butyl

#### *Membrane Waterproofing System*

Sure-Seal Butyl Membrane (Isobutylene and Isoprene) is a sheet applied vulcanized elastomer compounded to the physical properties in the technical data section. The butyl membrane is virtually impermeable to water and water vapor. The membrane has excellent puncture resistance coupled with outstanding elongation and tensile strength makes this membrane system able to withstand ponding water and building movement. CCW's Sure-Seal membrane can be applied at virtually any temperature.

### SecurTAPE

#### *Self-Adhesive Splicing/Sealing Tape EPDM Flashing*

Carlisle's Sure Seal SecurTAPE is an EPDM synthetic rubber-based product which is used for splicing PREKLEENED EPDM Thru-Wall Flashing and root barrier and the temporary securing of CCW MiraDRAIN and protection courses. SecurTAPE features a clear poly release film and excellent long-term holding properties.

### Sure Seal 90-8-30A Bonding Adhesive

#### *Bonding Adhesive For Quick Bonding Of Cured Flashings And Membranes To Various Substrates*

High strength solvent-based contact adhesive that allows quick bonding of cured flashings and membranes to various substrates. It is a synthetic rubber adhesive formulated specifically for application with a ½" (13 mm) medium nap roller with enough versatility in the tack time of the film to allow large areas to be coated and adhered at one time. Sure-Seal 90-8-30A Bonding Adhesive is designed for bonding EPDM and Sure-Seal (black) EPDM, butyl and epichlorohydrin membranes to various substrates.

### Sure Seal HP Splice Wipes

#### *HP Splice Wipes*

HP Splice Wipes are used in conjunction with Splice Cleaners or HP-250 Primer to clean and prime membrane prior to splicing or applying Lap Sealant.

### Sure Seal In-Seam Sealant

#### *Tube-grade Sealant for Butyl and EPDM Splices*

Sure Seal In-Seam Sealant is a one-part, gun-grade material designed for use in conjunction with PRE-KLEENED EPDM Thru-Wall Flashing. It is primarily used as an internal waterproof seal for cured-to-cured membrane splices. Sure Seal In-Seam Sealant is an extremely durable material which dries to the touch in about 30 minutes. When cured it has a rubber-like consistency and is resistant to all types of weather extremes. Sure Seal In-Seam Sealant must be applied in each cured-to-cured membrane splice during the splice procedure.



### Sure Seal Lap Sealant

#### *For Sealing Splice Edges of Cured Sure-Seal EPDM and Butyl Membranes*

Designed for sealing splice edges of cured Sure-Seal (black) EPDM and butyl membranes. Sure-Seal Lap Sealant is a heavy bodied trowel or gun consistency material, designed to be used in conjunction with roofing and waterproofing system materials. It is primarily used to seal the exposed edges of rubber membrane splices. Sure-Seal Lap Sealant is an extremely durable material which dries to the touch in approximately 30 minutes depending on thickness of application and weather conditions. Its cured rubber consistency enables it to expand and contract with the movement of the membrane without cracking or loss of adhesion. Sure-Seal Lap Sealant may also be used as a sealant in mechanical terminations on vertical or horizontal surfaces, or to seal membranes terminated in reglets in accordance with published details. Sure-Seal Lap Sealant must be applied and feathered on all splice edges by the end of the working day.

### Sure Seal Splice Cleaner

#### *Weathered Membrane Cleaner*

Sure-Seal Splice Cleaner is designed for use with EP-95 Splicing Cement, EPDM membranes and Sure-Seal Lap Sealant. Sure-Seal Splice Cleaner is solvent-based and provides for a clean surface for the application of splicing cements and lap sealants.

## Bentonite Clay Waterproofing

Needle-punched geotextile fabric containing 1 lb of sodium bentonite clay per SQ FT. Product is cut to length from roll and mechanically-attached or loose-laid. Ideal for waterproofing below grade structural slabs, lagging walls, concrete caissons, rehab waterproofing and diverse "zero" lot line or "blind side" waterproofing applications.



## CCW MiraCLAY

### *Bentonite Waterproofing*

CCW MiraCLAY has a uniform layer of sodium bentonite clay that is sandwiched between a durable puncture resistant nonwoven polypropylene fabric and a high tensile strength woven polypropylene fabric and then needlepunched together with thousands of high strength denier yarns. These fibers are then thermally fused to the polypropylene in a proprietary Infrabond™ procedure that locks the sodium bentonite into place.

## CCW MiraCLAY EF

### *Bentonite Clay Waterproofing Membrane*

CCW MiraCLAY EF has a uniform layer of sodium bentonite clay that is sandwiched between a durable puncture resistant nonwoven polypropylene fabric and a high tensile strength woven polypropylene fabric and then needlepunched together with thousands of high strength denier yarns. These fibers are then thermally fused to the polypropylene in a proprietary Infrabond™ procedure that locks the sodium bentonite into place.

## CCW MiraCLAY® GM

### *Bentonite Waterproofing with a Geomembrane Liner*

CCW MiraCLAY GM is a needle punched, thermally reinforced composite comprised of a uniform layer of sodium bentonite clay that is sandwiched between a durable puncture-resistant nonwoven geotextile and the slit film woven geotextile. The needle punched fibers are thermally fused to the woven geotextile to enhance the reinforcing bond and an H.D.P.E. film is applied to the woven surface to lower the hydraulic conductivity.

Designed for waterproofing below grade structural slabs as well as construction methods incorporating lagging, concrete caisson or shotcrete retention walls. CCW MiraCLAY GM is also very effective in rehab waterproofing and zero clearance property line construction.

## CCW MiraCLAY Granules

### *Accessory for CCW MiraCLAY Bentonite Waterproofing System*

CCW MiraCLAY EF has a uniform layer of sodium bentonite clay that is sandwiched between a durable puncture resistant nonwoven polypropylene fabric and a high tensile strength woven polypropylene fabric and then needlepunched together with thousands of high strength denier yarns. These fibers are then thermally fused to the polypropylene in a proprietary Infrabond™ procedure that locks the sodium bentonite into place.

## CCW MiraCLAYMastic

### *Accessory for CCW MiraCLAY Bentonite Waterproofing System*

CCW MiraCLAY Mastic is an accessory product to the CCW MiraCLAY waterproofing membrane. Used as a detail mastic at termination bars, soldier piles, pipe penetrations, transitions, inside corners and other critical areas.

## Pre-Pave Sheet Waterproofing

70 mil membrane consisting of high-temperature resistant rubberized asphalt adhesive completely coating a heat-resistant polypropylene fabric or woven mesh. For use over structural slab of bridge decks and parking decks to be overlaid with asphalt paving. Also ideal for waterproofing existing roadways during re-paving.

## CCW-711-70

### *Pre-Pave Sheet Membrane Waterproofing System (Woven Fabric)*

CCW-711-70 is a 70-mil-thick composition consisting of a self-adhering rubberized asphalt membrane laminated to a high-strength, heat-resistant woven polypropylene mesh. A siliconized release liner prevents the material from sticking in the roll and is easily removed for installation. The sheet membrane is available in two convenient widths of 36" and 48". The factory controlled thickness assures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane provide an excellent water barrier. Inherent toughness of mesh assures the integrity of the membrane, allowing construction traffic on the installed membrane immediately.

The CCW-711-70 Pre-Pave Sheet Membrane Waterproofing System is especially designed to be used in Department of Transportation projects as a waterproofing membrane on the structural slab of bridge decks and parking decks that are to be overlaid with asphalt paving and repaving existing roadways. CCW-711-70 Pre-Pave Sheet Membrane Waterproofing System will protect reflective cracking in the asphalt overlay while helping to retard structures from damage by water and deicing salts.

Paving can begin immediately after installation of the CCW-711-70 Pre-Pave Sheet Membrane. This includes the driving of asphalt trucks and paving machines on top of the overlay.

## Admixtures

### Planicrete® AC

#### Acrylic Latex Admixture for Mortar and Concrete

One-component, concentrated liquid latex admixture used to enhance the performance of cementitious repair mortars, plasters, stuccos, concrete mixes and toppings for the restoration of horizontal, vertical and overhead concrete; concrete masonry units (CMU); and masonry surfaces.

**Packaging:** Jug: 1 U.S. gal. (3,79 L)  
Pail: 5 U.S. gals. (18,9 L)  
Drum: 55 U.S. gals. (208 L)



### Planicrete® UA

#### Universal Latex Additive

Next-generation, water-based, one-component, concentrated liquid latex admixture used to enhance the performance of several MAPEI products, including mortar mixes. Using Planicrete UA as part of the designated design mixes will increase product performance in the areas of bond, flexural and tensile strengths in addition to increased durability and enhanced workability.

**Packaging:** Jug: 1 U.S. gal. (3,79 L)  
Pail: 5 U.S. gals. (18,9 L)



## Concrete Repair Mortars

### Planitop® 12

#### Vertical and Overhead One-Component Repair Mortar

One-component, shrinkage-compensated, cementitious, thixotropic, fiber-reinforced mortar intended for the renovation of interior/exterior vertical and overhead concrete surfaces. Use it for overhead structural concrete repairs and restoration up to a thickness of 2" (5 cm). Planitop 12 can be placed in large quantities in overhead applications and is suited for precast, cast-in-place, post-tensioned and prestressed concrete repair.

**Packaging:** Bag: 55 lbs. (24,9 kg)



### Planitop® 15

#### Form-and-Pour, One-Component Repair Mortar

One-component, shrinkage-compensated, cementitious, fiber-reinforced, fluid mortar. It is suited for interior/exterior form-and-pour applications where high early strength and flowability are required. Planitop 15 is used as a material for concrete repair and restoration that can be fluid-applied into a form in thicknesses of 3/8" to 2" (10 mm to 5 cm).

**Packaging:** Bag: 55 lbs. (24,9 kg)



### Planitop® 18

#### Fast-Setting, Flowable, One-Component Repair Mortar

one-component, shrinkage-compensated, fast-setting, cementitious repair mortar that is suited for all interior/exterior horizontal concrete repairs, including bridge-deck overlays, parking-garage floor repairs and various horizontal DOT concrete repairs.

This product includes High-Hydrated Cement Technology (HCT™).

**Packaging:** Bag: 50 lbs. (22,7 kg)  
Pail: 50 lbs. (22,7 kg)



### Planitop® 21

#### Thin-Build, Two-Component Rendering Mortar

Pre-proportioned, two-component, polymer-modified cementitious mortar. It is used for renovating and resurfacing interior/exterior concrete structures such as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades and ceilings. Planitop 21 also is used for treating concrete surface blemishes and defects; filling honeycombs, voids and cavities; and protecting concrete against pollutants and acid rain.

Planitop 21 contains a high concentration of synthetic polymer, which produces a repair mortar having excellent adhesion, flexural strength, compressive strength, water impermeability and freeze/thaw resistance. Apply up to 1/4" (6 mm) thick.

**Packaging:** Part A, Bag: 45.8 lbs. (20,8 kg)  
Part B, Jug: 1.05 U.S. gals. (3,97 L)



### Planitop® 23

#### Vertical and Overhead Two-Component Repair Mortar

Pre-proportioned, two-component, polymer-modified, thixotropic, cementitious fiber-reinforced mortar. It is used for renovating and resurfacing interior/exterior concrete structures such as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades and ceilings. Planitop 23 also is used for treating concrete surface blemishes and defects; filling honeycombs, voids and cavities; and protecting concrete against pollutants and acid rain. With a high concentration of synthetic polymer and fiber, Planitop 23 offers excellent adhesion, flexural strength, compressive strength, water impermeability and freeze/thaw resistance. Once mixed, the mortar applies easily onto vertical, horizontal and overhead ceiling surfaces, in thicknesses of 1/8" to 2" (3 mm to 5 cm) per coat.

**Packaging:** Part A, Bag: 57.3 lbs. (26 kg)  
Part B, Jug: 1.05 U.S. gals. (3,97 L)





## Planitop® 25

### Flowable Two-Component Repair Mortar

Two-component, shrinkage compensated, cementitious, flowable resurfacing mortar with corrosion inhibitor. Once mixed, the mortar is easily placed onto horizontal surfaces in thicknesses of 1/4" to 1" per coat. A dense, durable resurfacing mortar with outstanding adhesion, flexural and compression strengths. Formulated for demanding industrial repairs involving heavy impact and high abrasion, such as loading docks, warehouse floors, and areas subject to forklift and pallet jacks.

**Packaging:** Part A, Bag: 57.1 lbs. (26 kg)  
Part B, Jug: 1.05 U.S. gals. (3,97 L)



## Planitop® X

### Fast-Setting Horizontal, Vertical and Overhead One-Component Repair Mortar

One-component, fiber-reinforced, shrinkage-compensated, fast-setting, polymermodified, high-build cementitious repair mortar with a corrosion inhibitor. Suited for all interior/exterior vertical, overhead and horizontal concrete applications, including precast/prestressed, tilt-up, post-tensioned and cast-in-place concrete. Planitop X can be applied in thicknesses of featheredge to 4" per lift. Engineered with MAPEI's Easy Glide Technology™ for ease of application and is light gray to match existing concrete surfaces.

**Packaging:** Bag: 50 lbs. (22,7 kg)  
Bag: 10 lbs. (4,54 kg)  
Pail: 50 lbs. (22,7 kg)



## Planitop® XS

### Extended-Working-Time, Vertical and Overhead One-Part Repair Mortar

Extended-working-time variation of Planitop X. Shrinkage-compensated, fiberreinforced and polymer-modified, Planitop XS features Planitop X's outstanding workability and corrosion inhibitor. Ideal for use in a wide variety of vertical and overhead concrete repairs, Planitop XS can be applied in thicknesses of featheredge to 4" per lift. It is engineered with MAPEI's Easy Glide Technology™ for ease of application and is light gray to match existing concrete surfaces.

**Packaging:** Bag: 50 lbs. (22,7 kg)  
Pail: 50 lbs. (22,7 kg)



## Planitop® FD

### Full-Depth Repair Mortar

One-part, shrinkage-compensated, cementitious, self-compacting flowable mortar for a variety of structural repairs. Planitop FD contains a corrosion inhibitor and is suited for form-and-pour applications as well as flatwork repairs at depths from 1/2" to 4" neat. Planitop FD is pumpable and ideal for deep repairs that require ease of placement and a rapid return to service.

**Packaging:** Bag: 50 U.S. lbs. (22,7 kg)



## Decorative Toppings

### Ultratop®

#### High-Performance, Quick-Setting, Self-Leveling Concrete Topping

Ultratop is a self-leveling, self-drying topping, based on High-Hydrated Cement Technology (HCT™), that is specially formulated for fast-track resurfacing and construction of interior horizontal wear surfaces. Available in natural gray and white, Ultratop is used for fast-track resurfacing and construction of horizontal wear surfaces.

**Packaging:** Bag: 50 lbs. (22,7 kg)



## Exterior Finishing

### Concrete Renew™

#### Exterior Cementitious Concrete Resurfacer

One-component, polymer-modified cementitious material for the resurfacing of existing concrete. It is suitable for broom finishes and decorative trowel finishes on sidewalks, driveways, steps and anywhere that has exposed concrete. Concrete Renew features a natural light gray color that provides a uniform, like-new look to concrete surfaces.

**Packaging:** Bag: 25 lbs. (11,3 kg)



### Concrete Renew™ Fine

#### High-Performance, Fine-Grade Concrete Surfer

One-component, polymer-modified cementitious material for the resurfacing of existing concrete. It allows a variety of finishing options, including broom finishes and decorative trowel finishes, on sidewalks, driveways, steps and anywhere that has exposed concrete. Concrete Renew Fine features a natural light gray color that provides a uniform finish to concrete surfaces.

**Packaging:** Bag: 25 lbs. (11,3 kg)



## Moisture Reduction

### Planiseal™ EMB

#### Premium Epoxy Moisture Barrier for Concrete Substrates

High-performance, 100%-solids, two-part epoxy, one-coat moisture barrier system for concrete slabs that exhibit moisture vapor emission rates (MVERs) up to 20 lbs. per 1,000 sq. ft. per 24 hours and reduces transmission rates to less than 3 lbs. Planiseal EMB's unique formulation penetrates into the concrete substrate while creating a solid film layer on the surface for the ultimate in moisture transmission reduction.

Planiseal EMB dries within 8 to 12 hours after application depending on ambient temperature and humidity conditions. This is a FastTrack Ready™ product as it reduces the number of coats required to achieve a proper moisture barrier and provides a safe, secure installation base for any flooring system.

**Packaging:** Kit: 2 U.S. gals. (7,57 L)





## Planiseal™ VS

### Alkali-Resistant, Epoxy Moisture-Reduction Barrier

Alkali-resistant, two-component, 100%-solids epoxy coating that effectively stops moisture-related problems with floor coverings. In all cases, moisture vapor emission rates (MVERs) are reduced to below 3 lb per 1,000 sq. ft. when the designated film thickness is applied. Applied in a single-coat application system, Planiseal VS offers low viscosity with high-density resins that effectively reduce MVER by penetrating deep into the substrate and effecting consolidation well beneath the surface.

**Packaging:** Part A, Pail: 2.20 U.S. gal. (8.33 L)  
Part B, Jug: 0.8 U.S. gal. (3.03 L)



## Primers for Self-Leveling

### Primer E™

#### High-Performance, 100%-Solids Epoxy Primer

A two-component, 100%-solids epoxy primer and bonding agent designed for use with MAPEI self-leveling underlayments and toppings. It's the most effective method for bonding to nonporous, dense substrates before installing self-leveling underlayments or toppings subject to high stress. Highly recommended for all installations of decorative toppings, which demand the highest degree of crack resistance and surface finish. Primer E low viscosity makes installation fast and easy, and provides excellent penetration into the substrate and therefore tenacious bond.

**Packaging:** Part A, Pail: 2.06 U.S. gals. (7.80 L)  
Part B, Jug: 0.94 U.S. gal. (3.56 L)



### Primer L™

#### Advanced-Technology Acrylic Latex Primer for Concrete

A concentrated, solvent-free acrylic primer used prior to the installation of underlayments and topping materials. It is green for easy identification. It improves the bond between a properly prepared and profiled concrete substrate, and self-leveling underlayment or topping materials.

**Packaging:** Pail: 5 U.S. gals. (18.9 L)  
Jug: 1 U.S. gal. (3.79 L)



### Primer WE™

#### Water-Based Epoxy Primer

A two-component, polymer-modified, solvent-free water-based epoxy primer for enhanced adhesion to nonporous substrates prior to the application of MAPEI self-leveling materials. When mixed, it is purple for easy identification. It improves adhesion over smooth, nonabsorbent and difficult-to-bond-to substrates such as properly prepared ceramic tile, cement-based terrazzo, old cutback adhesive residue and approved plywood subfloors.

**Packaging:** Kit: 2 U.S. gals. (7.57 L)  
Part A, Pail: 5 U.S. gals. (18.9 L)  
Part B, Pail: 5 U.S. gals. (18.9 L)



## Self-Leveling Underlayments

### Novoplan® 2

#### Professional Self-Leveling Underlayment

High-strength, self-leveling, cement-based underlayment and repair mix for interior concrete and engineer-approved floors. Suited for leveling, smoothing and repairing interior floors before the installation of floor coverings. Ceramic tile and natural stone can be installed 24 hours after application. Floor coverings – such as carpet, vinyl sheet goods, vinyl tile, vinyl composition tile (VCT), homogenous PVC, rubber and engineered wood plank – can be installed 1 to 3 days after application, depending upon thickness of application.

**Packaging:** Bag: 50 lbs. (22.7 kg)



### Novoplan® Easy

#### Easy-Preparation, Self-Leveling Underlayment

High-strength, self-leveling cement-based underlayment and repair mix for interior concrete and engineer-approved floors. It typically requires only a clean, soundly bonded substrate before application. Novoplan Easy provides low installation costs and fast turnaround on job sites.

**Packaging:** Bag: 50 lbs. (22.7 kg)



### Ultraplan® 1 Plus

#### High-Performance, Quick-Setting, Self-Leveling Underlayment

HCT™ (High-Hydrated Cement Technology)-based, quick-setting, self-leveling, self-drying underlayment and repair mix for interior concrete and engineer-approved floors. Ultraplan 1 Plus has high strength and is abrasion resistant, able to withstand light foot traffic after 2 to 3 hours and vehicular rubber-wheel traffic after 3 days.

**Packaging:** Bag: 50 lbs. (22.7 kg)



### Ultraplan® Easy

#### Easy-preparation, fast-setting, self-leveling underlayment

HCT™ (High-Hydrated Cement Technology)-based, quick-setting, self-leveling underlayment that typically requires only a clean, soundly bonded substrate before application. Typically requiring reduced surface preparation, Ultraplan Easy provides lower installation costs and fast turnaround on job-sites. It features high strength and is able to withstand light foot traffic after 2 to 3 hours of installation.

**Packaging:** Bag: 50 lbs. (22.7 kg)



### Ultraplan® M20 Plus

#### Quick-Setting, High-Compressive-Strength Underlayment

HCT™ (High-Hydrated Cement Technology)-based, quick-setting, self-leveling, self-drying material. It is specially formulated for the resurfacing and construction of interior horizontal surfaces as a light-traffic industrial or commercial wear topping or underlayment for floor coverings.

**Packaging:** Bag: 50 lbs. (22.7 kg)



## Patching and Skimcoating Compounds

### Mapecem® Quickpatch

#### Interior/Exterior, Fast-Setting, High-Flow Concrete Patch

Versatile, fast-setting, cementitious material used for the patching of interior/exterior concrete surfaces including concrete floors, driveways, sidewalks and concrete pads. Mapecem Quickpatch features extraordinary ease of placement, with a variable water ratio and outstanding workability. Light gray Mapecem Quickpatch can be applied from featheredge to 3" (7,5 cm) for ramping or filling. That makes it ideal for restoring weathered, damaged concrete surfaces to a uniform, superior wearing and better-than-new appearance. When used for horizontal substrate repair before application of self-leveling underlayments, Mapecem Quickpatch sets fast for easy and cost-efficient repairs, minimizing job-site turnaround time.

**Packaging:** Bag: 10 lbs. (4,54 kg)  
Bag: 25 lbs. (11,3 kg)



### Tilt Finish™

#### Professional Finishing Compound for Concrete Surfaces

Versatile, fast-setting, polymer-modified material blending calcium aluminate and Portland cement. Tilt Finish is ideal for producing a smooth finish on concrete surfaces including tilt wall, poured-in-place concrete, masonry, pre-cast beams and columns. Tilt Finish features extraordinary ease of placement, with a variable water ratio, extended pot life and outstanding workability. Light gray Tilt Finish can be applied from featheredge, up to 1/2" (12 mm) in confined areas and up to 1/8" (3 mm) over large surface areas. Ease of placement makes it ideal for covering imperfections in concrete surfaces, providing a uniform, light gray appearance, or a smooth surface before painting or application of coating.

**Packaging:** Bag: 25 lbs. (11,3 kg)



## Repair Epoxies

### Planibond® EBA

#### Epoxy Bonding Agent and Primer

Two-component, multipurpose epoxy bonding agent and primer. Planibond EBA is non-shrinking, 100% solids and moisture insensitive. (Note: This is not a moisture-reduction barrier coating.) Planibond EBA is used primarily as a primer for MAPEI self-leveling materials, and as a bonding agent for screeds and repair mortars, with applications for corrosion protection and crack repair. Planibond EBA meets ASTM C881 requirements.

**Packaging:** Kit: 2 U.S. gals. (7,57 L)  
Part A: 5 U.S. gals. (18,9 L)  
Part B: 5 U.S. gals. (18,9 L)



## Screed Mortars

### Mapecem® 202

#### Medium-Build, Two-Component, Fast-Setting Mortar

Two-component, shrinkage-compensated, polymer-modified, fast-setting cementitious mortar with corrosion inhibitor. Mapecem 202 is intended for the renovation and topping of interior/exterior horizontal concrete surfaces. Mapecem 202 is excellent for heavy-duty industrial applications that include manufacturing floors, loading docks and tipping floors for smelting metals, where fast drying is required to allow traffic within 3 to 4 hours. Mapecem 202 achieves an impressive compressive strength of 6,700 psi (46,2 MPa) in 28 days.

**Packaging:** Part A, Bag: 55 lbs. (24,9 kg)  
Part B, Jug: 0.71 U.S. gal. (2,69 L)



### Mapecem® 102

#### Medium-Build, One-Component, Fast-Setting Mortar

One-component, shrinkage-compensated, polymer-modified, fast-setting cementitious mortar with corrosion inhibitor. Mapecem 102 is intended for the renovation and topping of interior/exterior horizontal concrete surfaces, such as galleries, tunnels, bridges, overpasses, factory floors, warehouse floors and loading docks; new and existing concrete slabs; and the construction of floating or monolithic toppings where fast drying is required to allow traffic within 3 to 4 hours.

**Packaging:** Bag: 55 lbs. (24,9 kg)



### Topcem™ Premix

#### Ready-to-Use, Accelerated-Cure Screed

Ready-to-use mortar requiring only the addition of water. Topcem Premix is suitable in both bonded and unbonded, interior and exterior applications. Topcem Premix has an accelerated cure, allowing for installation of ceramic flooring in 24 hours after placement, and non-breathable flooring systems in 48 hours. Topcem Premix can easily be screeded or sloped, and has the workability and working time of conventional mortars with a much faster curing time. It is ideal for filling trenches, re-sloping balconies, or forming screeds that may or may not receive subsequent flooring installations.

**Packaging:** Bag: 40 lbs. (18,1 kg)



## BLACKTOP / PAVEMENT PRODUCTS

Blacktop Patch (No. 1701-50) is an asphalt cold patch for repairing potholes and large cracks in asphalt pavement.

Features:

- Does not require heating or mixing, pour directly out of bag
- Can be formed and compacted
- Patched area is ready for immediate use

Available in: 60 lb bag



## MASON & MORTAR MIXES

Mortar Mix (No. 1102) is a blend of masonry cement and graded sand, designed to meet ASTM C 270 for Type N Mortar. Just add water.

Use For Construction & Repair of Brick, Block & Stone:

- Barbecues
- Pillars
- Walls
- Tuck-pointing mortar joints
- Planters

Available in: 40 lb. bags - 80 per pallet  
60 lb. bags - 56 per pallet  
80 lb. bags - 42 per pallet



## DIVISION 3 - CONCRETE

Fiber-Reinforced Deck Mix (No. 1251-80) and Polymer Modified Fiber-Reinforced Deck Mix (No. 1251-81) are Portland cement based, high-early strength 6000 psi concrete mixes. The fiber reinforced and air-entrained formulations provide improved freeze/thaw durability and crack resistance and contain integral corrosion inhibitor.

Use for exterior concrete decks such as:

- balconies
- roads
- parking structures
- bridge decks

Available in: 80 lb (36.3 kg) bag



## CONCRETE REPAIR & REHABILITATION

Sand/Topping Mix (No. 1103) consists of a uniformly blended mixture of Portland cement, commercial grade sands and other approved ingredients.

Use for:

- Repairing and topping damaged concrete surfaces less than 2" thick
- Chimney Caps
- Large Crack Repair
- Thick beds for ceramic floor tile
- Filling cores in masonry block walls

Available in: 40 lb. bags - 80 per pallet  
60 lb. bags - 56 per pallet  
80 lb. bags - 42 per pallet



## CONCRETE MIXES

Concrete Mix (No. 1101) is the original 4000 psi average compressive strength blend of Portland cement, sand, and gravel or stone. Just add water. Use for any general concrete work.

Use for Setting Posts and Building:

- Sidewalks
- Floors
- Steps
- Patios
- Curbs
- Downspout Troughs

Available in: 40 lb bags, 60 lb bags, 80 lb bags



Fast-Setting Concrete Mix (No. 1004) is a special blend of fast-setting cements, sand and gravel designed to set hard in approx. 20 to 40 minutes. Sets posts without mixing. Pour dry mix into hole and soak with water

Use for Setting:

- Fence posts
- Mailbox posts
- Basketball posts
- Deck posts
- Lamp posts
- Swing sets

Use for Building: Steps, Sidewalks, Concrete appliance pads

Available in: 50 lb bags - 64 per pallet



5000 Concrete Mix (No. 1007) is a commercial grade blend of stone or gravel, sand and cement specially designed for higher early strength. Ideal for cold weather application. Achieves 5000 psi after 28 days. Use for:

- Driveway aprons
- Deck supports
- Patios
- Sign footings
- Concrete projects 2" thick or more that require high strength

Available in: 60 lb bags - 56 per pallet, 80 lb bags - 42 per pallet



## SANDS & AGGREGATES

All-Purpose Gravel (No. 1151) is a multi-use product for a variety of decorative and landscaping applications. Also for making concrete. Use For:

- Landscaping, Gardening, Patios, Tree Wells, Walks, Rooftops, Fish Ponds and Aquariums
- As a Decorative Extension to Stucco Wallcoating
- Mixing with Portland Cement and All Purpose Sand to Make Concrete

Available in: 50 lb bags



All-Purpose Sand (No. 1152) is a washed, properly graded coarse sand with multi-purpose uses. Meets ASTM C 33 specifications. Use For:

- Underlayment for Brick Pavers
- Mixing with Portland cement and gravel to make concrete
- Traction on Snow and Ice
- Mixing with potting soil

Available in: 50 lb bags, 70 lb bags







## BRIXMENT® Mortar Cement

BRIXMENT Mortar Cement is a prepackaged mortar cement meeting or exceeding the requirements of ASTM C 1329. Essroc carefully selects and blends the raw materials and follows stringent quality control procedures in the manufacturing of BRIXMENT Mortar Cement. This attention to detail results in a superior performing masonry cement for use in mortar during construction and for long lasting, water-resistant walls.

### APPLICATIONS:

BRIXMENT Mortar Cement can be used for mortar in the construction of all types of masonry walls. The most common masonry units utilized are concrete block, clay and concrete brick and natural and manufactured stone.

### TYPES AND USES:

There are three formulations of BRIXMENT to satisfy all masonry construction needs:

**Type N:** Normal Strength

**Type S:** Medium strength

**Type M:** High strength

**Type N:** The Type N mix should only be used for above-grade construction and is recommended for exterior brick veneers.

**Type S:** Type S, a stronger mix, can be used above or below grade.

**Type M:** Type M, the strongest mix, is designed for below grade or where additional compressive strengths are required.

**Packaging:** BRIXMENT Type N is packaged in 70 lb.(32kg) multi-walled bags, Type S is packaged in 75 lb.(34kg) multi-walled bags and Type M is packaged in 80 lb.(36kg) multiwalled bags. Packages should be kept free from moisture.

## Saylor's Portland Cement

Saylor's Portland Cement is a high quality, consistent Portland Cement that is easy to work with during construction and contributes to long lasting, aesthetically pleasing structures. It conforms to ASTM C 150, ASTM C 1157, and AASHTO M-85.

### APPLICATIONS:

Essroc Packaged Portland Cement is primarily designed for use in mortar to construct masonry walls with brick, stone, and concrete block. Essroc Packaged Portland Cement can also be used to prepare small batches of concrete.

### TYPES AND USES:

Saylor's Portland Cement is available in the following types:

**Type I:** A general purpose Portland cement that is most commonly used because it delivers excellent results in a wide range of building applications.

**Type II:** Offers moderate resistance to sulfate attack and provides low heat generation.

**Type III:** Develops higher early strengths when used in concrete and mortar. It is especially useful when placing concrete in cold weather.

**Type V:** Similar to Type II, though Type V provides even greater resistance to sulfate attack and even lower heat generation.

**Type IA, IIA, and IIIA:** Airentrained Portland Cements are similar to their corresponding types but with a small dose of airentaining admixture inter-ground into the cement. These cements are beneficial when the addition of an air-entraining admixture is either not possible or desired. Airentrained Portland Cements are typically used when additional workability is desired or to provide increased resistance against scaling when the concrete or mortar is exposed to freeze-thaw cycles in the presence of de-icing chemicals.

**Packaging:** 94 lb (50kg) multi walled bags. Packages should be kept free from moisture.



SPEC MIX® Portland Lime & Sand mortar is a dry preblended mortar mix containing portland cement, hydrated lime and dried masonry sand formulated for superior bond, water retention and board life. This product meets ASTM C 270 and ASTM C 1714 requirements.

## TYPE S (Portland : Lime : Sand) Mortar

Type S mortar is recommended for use in reinforced masonry, unreinforced masonry where maximum flexural strength is required, and for use where mortar adhesion is the sole bonding agent between facing and backing.

Type S is a reasonably high compressive strength mortar which tests indicate has a high tensile bond strength with most brick units.

Available in: 80 lb or 94 lb packages for easy hand loading

## TYPE N (Portland : Lime : Sand) Mortar

Type N mortar is specifically recommended for chimneys, parapet walls and exterior walls or veneer walls subject to severe exposure. It is a medium bond and compressive strength mortar suitable for general use in exposed masonry above grade. Type N mortar may not be used in seismic zones 3 & 4.

Available in: 80 lb or 94 lb packages for easy hand loading





## Sika® MonoTop® 611

*Polymer-modified, cementitious pump and pour mortar*

Sika MonoTop 611 is a 1-component silica fume-enhanced, polymer-modified, portland-cement, mortar

### Use:

- On grade, above, and below grade on concrete and mortar.
- On horizontal, vertical and overhead surfaces.
- As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, and dams.
- Free-flowing repair mortar for hard-to-reach areas.
- Filler for voids and cavities.
- Leveling mortar.

**Packaging:** 50-lb multi-wall bag

## Sikacrete® 211

*One-component, cementitious, pumpable and pourable concrete mix*

Sikacrete 211 is a 1-component, portland-cement concrete containing factory blended coarse aggregate.

### Use:

- Full depth repairs.
- On grade, above, and below grade on concrete.
- On horizontal, vertical and overhead surfaces.
- As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, dams and balconies.
- Filler for voids and cavities.

**Packaging:** 80 lb multi-wall bags

## SikaTop® 111 Plus

*Two-component, polymer-modified, cementitious, screed mortar plus FerroGard 901 penetrating corrosion inhibitor*

Two-component, polymer-modified, portland-cement, fast-setting, screed mortar. It is a performance repair mortar for horizontal, vertical and overhead applications or form and pour application. It offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

### Use:

- On grade, above, and below grade on concrete and mortar.
- On horizontal, vertical and overhead surfaces.
- As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, and dams.
- Free-flowing repair mortar for hard-to-reach areas.
- Filler for voids and cavities.
- Overlay in cathodic protection systems

**Packaging:** Component 'A' - 1-gal plastic jug; 4/carton. Component 'B' - 61.5-lb multi-wall bag.

## Sikacrete® 211 SCC Plus

*Cementitious, polymer-modified, self consolidating concrete mix with an integral migrating corrosion inhibitor*

A one-component, self consolidating concrete containing factory blended coarse aggregate. This self consolidating concrete bag is silica fume and polymer modified and also contains a migrating corrosion inhibitor

### Use:

- Full depth repairs.
- On grade, above and below grade on concrete.
- On horizontal surfaces.
- Vertical and overhead surfaces when formed and pumped or poured.
- As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, dams, and balconies.
- Filler for voids and cavities.

**Packaging:** 65 lb multi-wall bags

## Sika® MonoTop® 615

*Polymer-modified, lightweight, non-sag mortar*

A one-component, polymer-modified, silica fume enhanced, cementitious, non-sag mortar. It is a multi-purpose mortar which can be applied by trowel or low pressure wet spray process.

### Use:

- On buildings, facades, and balconies.
- On grade, above, and below grade on concrete and mortar.
- On vertical, overhead, and horizontal surfaces.
- As a general purpose repair mortar for use on concrete structures in a mild or moderate service environment

**Packaging:** 50-lb multi-wall bag

## SikaTop® 121 Plus

*Polymer-modified, cementitious leveling/pore sealing mortar*

A two component, polymer-modified, leveling and pore sealing mortar with the additional benefit of FerroGard 901, penetrating corrosion inhibitor. SikaTop 121 PLUS provides a smooth substrate, free of irregularities and bug holes for following protective coatings.

### Use:

- As a leveling/pore sealing mortar prior to protective coatings.
- On horizontal, vertical and overhead surfaces, interior and exterior.
- On grade, above and below grade, on concrete and mortar substrates.
- Block filler.
- Minor repair for gouges and broken edges.

**Packaging:** Component 'A' - 1 gal plastic jug; 4/carton. Component 'B' - 46.5 lb multi-wall bag.

## SikaTop® 122 Plus

*Polymer-modified, cementitious, trowel-grade mortar*

A two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar. It is a high performance repair mortar for horizontal and vertical surfaces and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

### Use:

- On grade, above, and below grade on concrete and mortar.
- On horizontal surfaces.
- As a structural repair material for parking structures, industrial plants, walkways, bridges, tunnels, dams, and ramps.
- To level concrete surfaces.
- As an overlay system for topping/resurfacing concrete.
- Overlay in cathodic protection systems.

**Packaging:** Component 'A' - 1-gal plastic jug; 4/carton. Component 'B' - 61.5-lb multi-wall bag.

## SikaTop® 123 Plus

*Polymer-modified, cementitious, non-sag mortar*

a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. It is a high performance repair mortar for vertical and overhead surfaces, and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

### Use:

- On grade, above, and below grade on concrete and mortar.
- On vertical and overhead surfaces.
- As a structural repair material for parking structures, industrial plants, water/waste water treatment facilities, roads, walkways, bridges, tunnels, dams, ramps, etc.
- Approved for repairs over cathodic protection systems.

**Packaging:** Component 'A' - 1 gal plastic jug; 4/carton. Component 'B' - 44 lb multi-wall bag.

## SikaQuick® 1000

*Rapid hardening repair mortar with extended working time*

SikaQuick 1000 is a 1-component, rapid hardening, early strength gaining, cementitious, patching material for concrete.

### Use:

- Use on grade, above, and below grade on concrete.
- Highway overlays and repairs.
- Structural repair material for concrete roadways, parking structures, bridges, dams and ramps.
- Full depth patching repairs.
- Economical patching material for horizontal repairs of concrete and mortar.

**Packaging:** 50-lb multi-wall bag

## SikaQuick® 2500

*Very rapid hardening, repair mortar*

SikaQuick 2500 is a 1-component, very rapid hardening, early strength gaining, cementitious, patching material for concrete.

### Use:

- Use on grade, above, and below grade on concrete.
- Highway overlays and repairs.
- Structural repair material for concrete roadways, parking structures, bridges, dams and ramps.
- Full depth patching repairs.
- Economical patching material for horizontal repairs of concrete and mortar

**Packaging:** 50-lb multi-wall bag

## Sikadur® 21 Lo-Mod LV

*Low-modulus, low-viscosity, epoxy resin binder*

A 2-component, 100% solids, moisture-tolerant to both before and after cure, epoxy resin binder. Excellent strength development. Low viscosity gives you easy handling, high-yield epoxy mortar. It conforms to the current ASTM C-881 and AASHTO M-235 specifications. Material is USDA-certifiable.

### Use:

- Binder for epoxy mortar for patching and overlays.

**Packaging:** 4-gal units.

## Sikadur® 22 Lo-Mod

*Low-modulus, medium-viscosity, epoxy resin binder*

A 2-component, 100% solids, moisture-tolerant to both before and after cure, low-modulus, non-sag paste-consistency, epoxy resin binder. Excellent strength development. Low viscosity for easy, efficient application of a broadcast overlay. It conforms to the current ASTM C-881 and AASHTO M-235 specifications. Material is USDA-certifiable.

### Use:

- Use as a binder for epoxy mortar repairs.
- As a pick-proof sealant around windows, doors, lock-ups, etc., inside correctional facilities, schools and institutions.

**Packaging:** 4 gal units

## Sikadur® 23 Lo-Mod Gel

*Low-modulus, paste-consistency, epoxy resin binder*

A 2-component, 100% solids, moisture-tolerant, epoxy resin binder. It conforms to the current ASTM C-881, Type III, Grade-2, Class-C and AASHTO M-235 specifications.

### Use:

- Use neat as the binder resin for a skid-resistant broadcast overlay.
- Use also as the binder resin for epoxy mortar and concrete for patching and overlays.

**Packaging:** 4 gal units

## Sika® Galvashield® XP, XP+

*Embedded Galvanic Anode for Corrosion Prevention*

Sika Galvashield are embedded galvanic anodes that consist of a zinc core surrounded by a specially formulated cementitious mortar. The zinc core corrodes preferentially to the surrounding rebar it is attached to, providing galvanic protection to the reinforcing steel.

- Corrosion prevention for "ring anodes" adjacent to spall repairs
- Placed at the perimeter of the repair
- Use at the interface of new full-depth slab replacement or partial depth areas
- Highly chloride contaminated concrete

### Use:

- Joints between new and existing concrete
- Slab replacement
- Expansion joint repair
- Repair of epoxy-coated rebar
- Patch repairs (XP)
- Bridge widening (XP)
- Severe service conditions (XP+)
- Concrete with high chloride content (XP+)
- High steel density (XP+)
- Patch repairs where concrete removal does not extend until clean steel is encountered (XP+)
- Bridge widening (XP+)

**Packaging:** XP: 20 units per box 11.5 lb. (5.2 kg) per box  
XP+: 20 units per box 13.5 lb. (5.2 kg) per box

## Sika® FerroGard®-903

*Penetrating, corrosion inhibiting, impregnation coating for hardened concrete*

Sika FerroGard is a unique surface applied corrosion inhibitor that penetrates the concrete cover to the reinforcing steel, reducing the corrosion rate and extending the service life of a structure.

### Use:

Sika FerroGard 903 is recommended for all steel-reinforced, prestressed, precast, post tensioned or marine concrete. Use of Sika FerroGard 903:

- Steel-reinforced concrete, bridges and highways exposed to corrosive environments (deicing salts, weathering)
- Building facades and balconies
- Steel-reinforced concrete in or near a marine environment
- Parking garages
- Piers, piles, and concrete dock structures
- As part of Sika's system approach for buildings and civil engineering structures

**Packaging:** 5 gallon pails with spout, 55 gallon drums

## Sika® Armatec 110 EpoCem

*Bonding Agent and Reinforcement Protection*

3-component, solvent-free, moisture-tolerant, epoxy-modified, cementitious product. "True" Epoxy/Cement slurry for concrete bonding and corrosion protection in restoration work.

### Use:

- As an anti-corrosion coating for reinforcing steel in concrete restoration.
- As added protection to reinforcing steel in areas of thin concrete cover.
- As a bonding agent for repairs to concrete and steel.
- As a bonding agent for placing fresh, plastic concrete to existing hardened concrete.

**Packaging:** 3.5 gal unit. (47.6 fl. oz. Comp. A + 122.1 fl. oz. Comp. B + 46.82 lb Comp. C) Comp. A + B in carton, Comp. C in multi-wall bag. 1.65 gal unit. (22.7 fl. oz. A + 7.6 fl. oz. B + 4 bags @ 5.5 lb) Factory-proportioned units in a pail.

## Sikadur® 31 Hi-Mod Gel (1:1 Mix Ratio) *High-modulus, high-strength, structural, epoxy paste adhesive*

A 2-component, 100% solids, solvent-free, moisture-tolerant, high-modulus, high strength, structural epoxy paste adhesive. It conforms to the current ASTM C-881, Types I and IV, Grade-3, Class-B/C and AASHTO M-235 specifications.

### Use:

- Structural bonding of concrete, masonry, metals, wood, etc. to a maximum glue line of 1/8 in. (3 mm).
- Grout bolts, dowels, and pins.
- Seals cracks and around injection ports prior to pressure-injection grouting.
- Interior, vertical, and overhead repair of concrete as an epoxy mortar binder.
- As a pick-proof sealant around windows, doors, lock-ups etc. inside correctional facilities.

**Packaging:** 3 gal units

## Sikadur® 31, SBA (all types)

*High-modulus, high-strength, moisture tolerant, epoxy paste adhesive*

**Sikadur-31, SBA Normal Set** - a high-modulus 2-component, moisture-tolerant, solvent-free, epoxy resin system available in three application temperature ranges. A unique, high modulus, structural adhesive for bonding hardened concrete to hardened concrete for segmental bridge construction.

**Sikadur 31, SBA (20-45°F)** A 2-component, cold weather, 100% solids, moisture-tolerant, high-modulus, high strength, structural epoxy paste adhesive for bonding hardened concrete to hardened concrete in segmental bridge construction.

**Sikadur 31, SBA Slow Set** - a high-modulus 2-component, moisture-tolerant, solvent-free, epoxy-resin system available in three application temperature ranges. A unique, high modulus, structural adhesive for bonding hardened concrete to hardened concrete for segmental bridge construction. It conforms to the current ASTM C-881, Type VI requirements, and ASBI guidelines.

### Use:

- Structural bonding of post-tensioned precast concrete bridge segments.
- Sealing joints between concrete segments.
- For use in segment-by-segment erection.
- Supplied in three temperature grades to meet project requirements (Normal Set & Slow Set).
- Segmental bridges in cold weather temperatures 20°-45°F (Sikadur 31, SBA (20-45°F)).

**Packaging:** 3 gal units

## Sikadur® 32 Hi-Mod

*High-modulus, high-strength, epoxy bonding/grouting adhesive*

A multi-purpose, 2-component, 100% solids, moisture-tolerant structural epoxy adhesive. It conforms to the current ASTM C-881, Types I, II, and IV, Grade-2, Class C and AASHTO M-235 specifications.

### Use:

- Bond fresh, plastic concrete to hardened concrete and steel.
- Grout horizontal cracks in structural concrete and wood by gravity feed.
- Machinery and 'robotic' base-plate grout.
- Structural adhesive for concrete, masonry, metal, wood, etc.

**Packaging:** 2 and 4 gal. units; 1kg. unit (25.6 fl.oz.), 6/case, 75/pallet; 2.5 kg unit (63.8 fl.oz.), 2/case, 90/pallet.

## Sikadur® 32 Hi-Mod LPL

*High-modulus, high-strength, extended pot life, epoxy bonding/grouting adhesive*

A multi-purpose, 2-component, 100% solids, moisture-tolerant, structural epoxy adhesive. Sikadur 32, Hi-Mod LPL offers a long pot life and contact time even at 100°F (38°C). Sikadur 32, Hi-Mod LPL conforms to the current ASTM C-881, Types I and II, Grade-2, Class-C and AASHTO M-235 specifications.

### Use:

- Hot weather concrete placements requiring a bonding adhesive.
- Bond fresh, plastic concrete to hardened concrete and steel.
- Grout horizontal cracks in structural concrete and wood by gravity feed.
- Machinery and baseplate grout.
- Structural adhesive for concrete, masonry, metal, wood, etc.

**Packaging:** 4 gal units

## Sikadur® 33

*High-modulus, high-strength, structural, very rapid-curing epoxy, smooth-paste adhesive*

A 2-component, 100% solids, moisture-tolerant, high-modulus, high-strength, structural epoxy adhesive. New smooth-paste consistency for vertical, horizontal and overhead crack sealing. Very rapid curing, even in thin film, for faster pressure-injection grouting. Injection may proceed as soon as 1 hour after application. It conforms to the current ASTM C-881, Types I and II, Grade-3, Class B/C\* and AASHTO M-235 specifications.

\* except for gel time

### Use:

- Use to seal cracks and to secure injection ports in structural concrete and wood trusses prior to pressure-injection grouting.

**Packaging:** 2 gal units

## Sikadur® 35, Hi-Mod LV

*High-modulus, low-viscosity, high-strength epoxy grouting/sealing/binder adhesive*

A 2-component, 100% solids, moisture-tolerant, low-viscosity, high-strength, multipurpose, epoxy resin adhesive. It conforms to the current ASTM C-881, Types I, II, and IV, Grade-1, C\* and AASHTO M-235 specifications.

\* except for gel time

### Use:

- Pressure-injection of cracks in structural concrete, masonry, wood, etc.
- Gravity-feed of cracks in horizontal concrete and masonry.
- Epoxy resin binder for epoxy mortar patching and overlay of interior, horizontal surfaces.
- Seal interior slabs and exterior above-grade slabs from water, chlorides, and mild chemical attack; also improves wearability.

**Packaging:** 3 gal units; 1 gal units, 2/case; 12 fl.-oz. units, 12/case.

## Sikadur® 35, Hi-Mod LV LPL

*High-modulus, low-viscosity, high-strength, extended pot life, epoxy adhesive*

A 2-component, 100% solids, moisture-tolerant, low-viscosity, high-strength, multi-purpose epoxy resin adhesive. It conforms to the current ASTM C-881, Types I, II, and IV, Grade-1, Class-C\*\* and AASHTO M-235 specifications.

\* except for bond strength

### Use:

- Low pressure and high pressure injection of cracks in structural concrete, masonry, wood, etc.
- Gravity-feed of cracks in horizontal concrete and masonry.
- Epoxy resin binder for epoxy mortar patching and grouting.
- Seal interior slabs and exterior above-grade slabs from water, chlorides and mild chemical attack; also improves wearability.
- Epoxy resin binder for epoxy mortar repair for structural pile members.

**Packaging:** 3 gal units, 165 gal. units

## Sikaflex®-15 LM

*High-performance, low-modulus elastomeric sealant*

A low-modulus, high-performance, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal Specification TT-S-00230C, Type II, Class A; ASTM C-920, Type S, Grade NS, Class 100/50, use T, NT, G, A, O, M; Federal Specification for silicones - TT-S-001543 A, Type non-sag. Tested in accordance with ASTM C-1382 for use in EIFS systems.

### Use:

- Excellent for moving joints in vertical applications.
- Suitable for use between similar as well as dissimilar materials.
- Typical applications include joints in concrete panel and wall systems, around window and door frames, reglets, flashing, common roofing detail applications, etc.
- Exceptional sealant choice for high-rise and facade applications where high movement capability is required.
- An effective sealant for use in Exterior Insulation Finish Systems (EIFS).

**Packaging:** Disposable 10.1 fl. oz., moisture-proof composite cartridges, 24/case; and uni-pac sausages 20 fl. oz., 20/case.

## Sikaflex®-1a

*One part polyurethane, elastomeric sealant/adhesive*

A premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II, Class A. Meets ASTM C-920, Type S, Grade NS, Class 35, use T, NT, O, M, G, I; Canadian standard CAN/CGSB 19.13-M87.

### Use:

- Designed for all types of joints where maximum depth of sealant will not exceed 1/2 in.
- Excellent for small joints and fillets, windows, door frames, reglets, flashing, common roofing detail applications, and many construction adhesive applications.
- Suitable for vertical and horizontal joints; readily placeable at 40°F.
- Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion.
- Submerged conditions, such as canal and reservoir joints.

**Packaging:** Disposable 10.1 fl. oz., moisture-proof composite cartridges, 24/case; and uni-pac sausages, 20 fl. oz., 20/carton.

## Sikaflex®-1c SL

*High performance, self-leveling, 1-part polyurethane sealant*

A single component, self-leveling, premium-grade polyurethane sealant with an accelerated curing capacity. Meets Federal Specification TT-S-00230C, Type 1, Class A. Meets ASTM C-920, Type S, Grade P, Class 25, use T, M, A, G, I.

### Use:

Sikaflex-1C SL is used to seal horizontal expansion joints in concrete and cementitious slabs such as:

- Sidewalks
- Balconies
- Pavements
- Terraces
- Warehouses
- Factories
- Civil Structures
- Plazas
- Pitch Pans

**Packaging:** 10.1 fl. oz. moisture-proof composite cartridges, 24/case. 29 oz. moisture-proof composite cartridges, 12/case. 5 gallon pails.

## Sikaflex®-2c NS EZ Mix

*Two-component, non-sag, polyurethane elastomeric sealant*

A 2-component, premium-grade, polyurethane-based, elastomeric sealant. It is principally a chemical cure in a non-sag consistency. Chemical cure allows the sealant to be placed in joints exceeding 1/2 in. in depth. High elasticity with a tough, durable, flexible consistency. Exceptional cut and tear resistance. Exceptional adhesion to most substrates without priming. Certified to the NSF/ANSI Standard 61 for potable water. Meets ASTM C-920, Type M, Grade NS, Class 25, use T, NT, M, G, A, O and Federal Specification TT-S-00227E, Type II, Class A. Meets CAN/CGSB 19.24 - M90.

### Use:

- Intended for use in all properly designed working joints with a minimum depth of 1/4 inch.
- Ideal for vertical and horizontal applications.
- Placeable at temperatures as low as 40°F.
- Adheres to most substrates commonly found in construction.
- An effective sealant for use in Exterior Insulation Finish Systems (EIFS).
- Submerged environments, such as canal and reservoir joints.

**Packaging:** 1.5 gal. unit, 3 gal unit. Color-pak is purchased separately. Limestone Gray color available pre-pigmented.

## Sikaflex®-2c SL

*Self-leveling, polyurethane elastomeric sealant*

A 2-component, premium-grade, polyurethane-based, elastomeric sealant. It is principally a chemical cure in a self-leveling consistency. Chemical cure allows the sealant to be placed in non-moving joints exceeding 1/2 in. in depth. High elasticity with a tough, durable, flexible consistency. Exceptional cut and tear resistance. Exceptional adhesion to most substrates without priming. Meets ASTM C-920, Type M, Grade P, Class 25, use T, NT, M, G, A, O, I and Federal Specification TT-S-00227E, Type 1, Class A.

### Use:

- Intended for use in all properly designed working joints with a minimum depth of 1/4 inch.
- Ideal for horizontal applications.
- Placeable at temperatures as low as 40°F.
- Adheres to most substrates commonly found in construction.
- Submerged conditions, such as canal and reservoir joints.

**Packaging:** 1.5 gal. unit. 3 gal. units. Color-pak is purchased separately. Limestone Gray color available pre-pigmented.

## Sikaflex® Primer 429

*Sealant/Adhesive Primer*

A one-component, ready to use, brush, dauber, spray-applied liquid material. Sikaflex primers are special materials formulated to improve the bond of Sikaflex urethane sealants when applied to specific substrates. Applicable in a horizontal, vertical, and overhead joints. The primer cures under the influence of atmospheric moisture. Dry time prior to sealant installation: >1, <8 hr.

### Promotes adhesion to the following substrates:

- Concrete Block
- Placed Concrete
- Precast Concrete
- Unfinished wood
- Mortar
- Grout
- Sikatops
- Granite
- IEFS: Dryvit, Synergy, Sto, etc

**Packaging:** available in pints, 6/carton; and gallons, 4/carton



### Single-Component Urethane Sealants

#### Dymonic FC

A high performance, low modulus, one-component, moisture curing polyurethane hybrid sealant that offers excellent performance in moving joints. Dymonic FC does not require a primer on most construction materials, and exhibits tenacious adhesion once fully cured. Typical applications: expansion and control joints, tilt-up panel joints, precast concrete panel joints, perimeter caulking (windows, door, panels), etc.



#### Vulkem 45 SSL

A one-part moisture curing, low modulus polyurethane sealant especially developed for sealing joints in level and/or slightly sloped surfaces. The product provides exceptional wear and tear resistance required in high traffic areas.



#### Vulkem 116

A one-part moisture curing, gun grade polyurethane sealant for use in pre-cast, masonry and window perimeter construction joints and it is also suitable for joints continually immersed in water.



### Multi-Component Urethane Sealants

#### Dymeric 240 FC

A non-sag general purpose sealant providing flexible, long life, durable, weathertight seals for both new construction and renovation projects in many types of buildings. Uses will include: pre-cast, masonry, metal curtainwall and perimeter joints of doors and window frames.



#### THC 900/901

A self-leveling joint sealant that should be limited to horizontal expansion and control joints with less than a 5% slope - THC-900 and a slope up to 10% - THC-901. Both sealants can be used in parking garages, plaza, terrace decks, and floor and sidewalk joints.



#### Spectrem 1

An ultra low modulus, high performance, one-part, moisture curing silicone sealant for use in expansion, control and lap joints.



#### Spectrem 2

A medium modulus, one part, high performance, neutral cure silicone sealant for use in sealing joints within curtain/window wall systems.

#### Spectrem 3

A general purpose, low modulus, high performance, one part, neutral curing, non-staining, construction grade silicone sealant for use in EIFS, aluminum curtain walls, metal panels and window perimeter.

#### Spectrem 4TS

A multi-component, neutral-curing, low-modulus silicone sealant specially formulated for use in dynamically moving building joints with + / - 50% movement.



#### Tremsil 200

A one-part, acetoxy silicone sealant. Tremsil 200 cures to a flexible rubber when exposed to moisture present in the air. Produces a weathertight seal to glass, metal, porcelain, ceramic and most painted surfaces. White and Clear colors contain a fungicide making the sealant suitable for use in bathrooms, spas and similar applications where joints need protection against fungi and bacteria.

### Silicone Sealants

#### Tremsil 600

One-part, medium modulus, neutral cure silicone sealant. The sealant cures to a flexible rubber when exposed to moisture present in the air. Compatible to most common porous and non-porous building component surfaces making it an excellent sealant for use on commercial construction as well as a wide variety of high performance window systems. It is also designed for application through automated glazing equipment, i.e. X-Y tables. Excellent adhesion to aluminum, stainless steel, metals, glass, plastics, rigid P.V.C.'s, wood and painted surfaces.



### Glazing Silicone Sealant

### Traffic Grade Silicone Sealants

#### Spectrem 800 / Spectrem 900 SL

Low modulus, high performance, one-part, gun grade, silicone parking structure and highway joint sealants. Ideal for sealing the most demanding dynamically moving joints and horizontal applications. Formulated for highway, airport, bridge joints and parking structures where high movement occurs.



### Acrylic Latex Sealants

#### Tremflex 834

A pure acrylic latex sealant formulated to provide a fast-setting pliable seal with minimal shrinkage. Can be used for general purpose interior and exterior caulking and as a back bedding glazing compound. It is also highly recommended as an acoustical seal in the construction of interior walls, ceilings and floors to reduce Sound Transmission Class (STC) of partition walls. Ideal for interior joints that will be painted such as door and window frame perimeters and precast concrete plank joints. Also suitable for use on vinyl, aluminum and wood siding as well as on bathroom and kitchen fixtures.



### Fire Protection Sealants

#### Fyre-Caulk

An intumescent acrylic sealant designed for use on commonly encountered applications in light commercial construction where both combustible and noncombustible penetrations are present.



#### TREMstop Acrylic Spray

Single-component, water-based, acrylic firestop sealant. A high performance, elastomeric, anti-fungal sealant, is capable of plus or minus 25 percent movement in a fire-rated joint. Available in a gun grade that is compatible with the sprayable grade.



#### TREMstop Intumescent Acrylic PLUS (IA+)

A high-performance, single-component, water-based firestop sealant that will expand to fill the voids left when combustible materials burn and deteriorate in a fire. Can also be painted once it's fully cured.



TREMstop Product Line

#### TREMstop Silicone (Fyre-Sil)

A single-component, neutral cure silicone firestopping sealant. This elastomeric high performance sealant is capable of plus or minus 25 percent movement in a fire-rated joint. Available in self-leveling (SL) or non-sag gun grade (GG) for ASTM E-814 through penetrations. It is tested for up to a four hour fire rating by independent laboratories and is approved for both through penetrations and joint applications.



### Cold Applied Membranes

#### TREMproof 250 GC

Aliphatic, rapid curing, high solids, VOC compliant, modified polyurethane waterproofing membrane that can be applied to "Green" Concrete. Commonly used as a between slab on plaza decks, parking decks, roof terraces, podiums, and reflecting pools. Available in three viscosities, rollable, self-leveling and trowel.



### Hot Applied Membranes

#### TREMproof 6100

Tremproof 6100 is a one-part, 100% solids, hot-applied, rubberized asphalt waterproofing membrane. Ideally suited for new and remedial waterproofing applications. Applied to primarily horizontal but also vertical concrete surfaces and is designed for use on plaza decks, roof decks, parking garages, foundation walls, mud slabs, tunnels, and planters.



### Crystalline Waterproofing

#### Permaquik Crystalline Waterproofing

Permaquik® Crystalline products are capillary waterproofing formulations of proprietary blends of chemicals, quartz sand and cement. The chemicals contained in the crystalline waterproofing materials require the presence of moisture to set off a chemical reaction from within the matrix of the concrete. When applied to inside or outside surfaces, integrate and combine with the concrete from within forming a barrier which cannot easily be damaged. No special below-grade protection is necessary. The crystalline products tolerate water so there is no need to continually dry the surface before application, unlike most asphaltic, bitumen or solvent-based resin systems.

### Drainage

#### TREMDrain Series

A prefabricated drainage material and protection board consisting of a formed polystyrene core covered on one side with a high strength, spun-bound polypropylene filter fabric. The fabric allows water to pass into the drainage core while restricting the movement of soil particles. The plastic core provides compressive strength and allows high capacity flow to the TREMDrain Total-Drain. Used in conjunction with TREMproof 250GC. Designed primarily for vertical and selected horizontal installations at shallower depths where moderate compressive strengths and flow capacity are adequate.

Note: TREMDrain drainage and protection materials are not for use beneath sand-set, vehicular paver applications.

### Air Barrier Membranes

#### ExoAir 110/110LT

ExoAir™ 110 and 110LT (Low-Temperature) Self-Adhered Air & Vapor Barrier Membranes are 36 mils (.90mm) of self-adhering SBS rubberized asphalt laminated to a 4 mil (.10mm) cross-laminated high-density polyethylene film with a siliconized release liner. ExoAir 110 is designed for use at 40°F (5°C) and above. ExoAir 110LT is designed for use between 10° F (-12°C) and 60°F (16°C).

#### ExoAir 220

Fluid-Applied Vapor Permeable Air Barrier Membrane is a monolithic elastomeric membrane designed to be applied to exterior above-grade walls to seal wall assemblies and prevent air infiltration/exfiltration, while remaining permeable to the passage of water vapor. Compatible with and part of a complete line of air barrier systems provided by Tremco under the ExoAir™ brand.

#### ExoAir Primers

Solvent and water based primer designed for use with our ExoAir 110/110LT and ExoAir TWF self adhered Air Vapor Barrier membranes.

#### ExoAir TWF

ExoAir™ TWF (Thru-Wall Flashing) is a 40mil (1.0mm) composite sheet designed for use as a thru-wall flashing. It is comprised of 32 mils (.80mm) of self-adhering SBS rubberized asphalt laminated to an 8 mil (.20mm) cross-laminated, high density, polyethylene film with a siliconized release liner. Typically installed in cavity wall construction on substrates such as masonry, metal, concrete, gypsum, and wood substrates.





### Paraseal

A dual sheet waterproofing membrane manufactured to controlled thicknesses of 150 mils to 200 mils of tough, high density polyethylene (HDPE) and expandable, quality granular bentonite. The bentonite, capable of expanding to 6 times its thickness, is laminated at a rate of up to one pound per square foot to the impermeable HDPE sheet forming a superior Dual Waterproofing System for application to horizontal and vertical surfaces.



### Paraseal W/GM/LG

A multi-layer sheet membrane waterproofing system installed with Para JT Tape to form a superior membrane barrier to both water and aliphatic gases. Especially effective when waterproofing from the blindside (lagging, etc.) where the waterproofing membrane is applied before the walls or floors are poured.

### PARASEAL ACCESSORIES

#### Paraseal Paraterm Bar

An aluminum alloy specially formulated to exhibit excellent holding power. When fastened through pre-cut holes, provides tight, straight and extremely long lived terminations, caulk troughs and drip edges.

#### Para JT

An adhesive joint tape compound formulated with cross-linked polymeric elastomers. When used with Paraseal GM, it forms a natural gas and waterproof joint.

#### Permanent Seam Tape

Consists of a 4" wide x 60 mil thick (100mm x1.5mm) rubberized asphalt membrane laminated to a polyethylene reinforcing film. A removable release paper protects the adhesive membrane face until removed during installation.

#### Paraprimer

An adhesive primer formulated to prepare construction surfaces prior to application of Parastick 'n' Dry, Superstop and various tapes.

#### Paragranular

Designed to work in conjunction with Paraseal products to form a waterproof transitional seal.

#### Paramastic

An expandable mastic and caulk for use with Paraseal to protect against water leakage in the areas of: penetration, honeycombs, unfilled ties or spalled concrete.

#### Parastick 'n' Dry

A laminate of bentonite applied to mesh with a pressure sensitive adhesive on one side. Used in blindside waterproofing applications to detail soldier piles and to wrap concrete imbeds such as pipe penetrations.

### Vulkem 350NF R/SL

Vulkem 350NF, a one-part low odor, low VOC urethane membrane that bonds firmly to clean, dry concrete, wood or metal. It retains its integrity even if substrate movement causes hairline cracks of up to 1/16". Vulkem 350NF is available in two viscosities, R (roller grade) and SL (self-leveling) for vertical or horizontal applications.

The Vulkem Under Tile Waterproofing System is a cold applied waterproofing coating system consisting of a base coat applied at 60 mils with an additional 10 mils laden with aggregate.



### Vulkem 360NF/951NF

The Vulkem Roof Terrace/Deck Coating System is an integral waterproofing and decorative coating, composed of tough curing liquid polyurethane rubber. The Vulkem Roof Terrace Coating System cures to form a seamless elastomeric rubber membrane system that is waterproof, durable and easy to clean. The aggregate laden topcoat provides a skid resistant profile suitable for maintenance equipment and maintenance workers.





### Vulkem 350NF(R, SL)/345/346 System

Vulkem 350NF/345/346 is a modified polyurethane Traffic Deck Coating System comprised of a base coat (350NF), heavy duty intermediate coat (345) and a top coat (346). This unique waterproofing system is designed to have tenacious adhesion, extreme impact and abrasion resistance along with remarkable chemical stability. The Vulkem Traffic Deck Coating System is also available in a Neighbor Friendly, low odor, low V.O.C. traffic deck coating system, Vulkem 360NF/950NF/951NF.

**Vulkem 350NF** is a one part, low odor, low VOC polyurethane membrane that bonds firmly to clean, dry concrete, wood or metal. It retains its integrity even if substrate movement causes hairline cracks of up to 1/16" (1.6mm). If cut or damaged, Vulkem 350NF will prevent water migration between it and its substrate.

**Vulkem 345 Intermediate Coat** is a two part urethane that is applied after the Vulkem 350NF has cured. The intermediate coat is loaded with aggregate to give the system excellent impact, abrasion and chemical resistance.

**Vulkem 346 Top Coat** is an Aliphatic polyurethane that is applied after the Vulkem 345 has cured. Interlaminar adhesion to Vulkem 345 is extremely strong. The top coat affords excellent abrasion resistance, UV satability and Chemical Resistance to complete the Vulkem Traffic Deck Coating System.

**Basic Uses:** Vulkem 350NF/345/346 is a cold applied Traffic Deck Coating System designed for waterproofing concrete slabs and protecting occupied areas underneath from water damage. Additionally, the System will protect the concrete from damaging effects of water, deicing salts, chemicals, gasoline, oils, and antifreeze.

### Vulkem 360NF

Low odor, V.O.C. compliant, water-basecoat that possesses tenacious adhesion to clean and dry concrete, wood and metal. Specially formulated for the odor sensitive applications created for heavily occupied areas. Vulkem 360NF is ideal for plaza areas, pool and recreation decks, balcony terraces, mechanical rooms, stadiums, ramp areas and elevated plenums.

### Vulkem 350NF(R, SL)/351 System

Vulkem 350NF/351 is an attractive composite waterproofing system comprised of tough-curing liquid polyurethane. The system uses an aggregate-laden top membrane to aid in slip-resistance and wear-resistance. Vulkem 350NF/351 may be used to apply a seamless, monolithic waterproof membrane to concrete, to well-anchored and primed wood and to primed metal surfaces. Simple, easy-to-follow procedures, use of conventional tools or optional spray permit fast, sure application.

### Vulkem 360NF/351NF System

An attractive composite waterproofing system, composed of tough-curing liquid polyurethane rubber that cures to form an attractive seamless elastomeric rubber membrane system that is waterproof, durable and easy-to-clean. Formulated for odor sensitive applications adjacent to occupied areas. Vulkem 360NF/351NF is ideal for plazas, pool/recreation decks, balconies, mechanical rooms, stadiums and similar applications requiring an elastomeric waterproofing system.



### Vulkem 360NF/950NF/951NF System

Vulkem® 950NF and 951NF Topcoats are high-performance, Neighbor-Friendly, two-part polyurethane coatings for vehicular (heavy duty) and pedestrian (medium duty) application where low odor and extremely durable coatings are desired. These topcoats are applied over a cured Vulkem basecoat.

The recommended basecoat for use with Vulkem 950NF and Vulkem 951NF is Vulkem 360NF. Vulkem 360NF is a low odor V.O.C. compliant, water-cured, rapid-setting polyurethane basecoat that possesses tenacious adhesion to clean dry concrete, wood and metal.

### Vulkem WF Series

The Tremco Vulkem WF-Series of Vehicular Expansion Joints is a series of preformed, traffic-bearing rubber Santoprene™ seals designed for use primarily in parking facilities, but can also be used on bridges, roadways and other areas which require a highly flexible, watertight, preformed rubber joint.

**Vulkem WF1600 Expansion Joint Nosing:** Elastomeric traffic bearing nosing compound. WF-1600 is impact resistant, UV stable and accommodates structural deflections. Considered the final horizontal wear course in Vulkem's traffic bearing santoprene expansion system.

**Vulkem WF1600 Vertical Nosing:** WF-1600 Vertical Nosing is used exclusively in areas where walls or columns are paralleled to the expansion system. WF-1600 Vertical Nosing is considered a structural "non-slumping" adhesive nosing compound compatible with Vulkem's Santoprene traffic bearing expansion systems. When used in conjunction with Vulkem's 2020 epoxy adhesive – considered an alternate to "termination bar" on vertical walls.

**Vulkem WF2020 Expansion Adhesive Epoxy:** An adhesive paste that is mixed and spread evenly over the bottom of the blockout. The Vulkem WF-2020 ensures a positive mechanical bond and accommodates substrate irregularities.

## Harnesses



### 7088 FlowTech™ Full Body Harness

- Patented FLOWSCAPE Technology featured on the Back/Shoulder yoke D-Ring assembly and on the BeltBridge waist pad, allows the harness to remain raised off the body.
- Durable ripstop and ballistic nylons featured on exterior of Waist, Thigh and Shoulder pad assemblies.
- Abrasion resistant Lycra lining against the body.
- Lightweight molded EVA foam construction on all padding components increases air circulation.
- Neoprene binding used around the neckline and waist pad top seams for comfort.
- High strength forged aluminum D-Rings, Torso Adjusters and Belt Closure for rugged and lightweight performance.
- Heavy Duty single ply workbelt designed to support tool bags with 9-position adjustments for a greater range of fit.
- EasyDon double sided webbing with twist-resistance and Pull Down Torso Adjusters provide better fit and function

**7088M FlowTech FBH Med 3D T**  
**7088L FlowTech FBH Large 3D T**



### 7016 Contractor 1-D Full Body Harness

- Single Back D-ring (Fall Arrest).
  - 5-Point Adjustability.
  - EasyFit Mating Buckle Leg Straps.
  - 1 Lanyard Keeper.
  - 6,300 lb Polyester Webbing.
- Size: Universal Fit**

### 7081LX ComforTech 3-D Full Body Harness

- Three D-rings (Fall Arrest and Positioning).
- 5-Point Adjustability.
- 9-Position, Heavy-Duty Tongue Buckle Leg Straps.
- Padded Shoulder Yoke.
- Twin Butt Pads.
- Waist Pad/Positioning Assembly with Lumbar Support.
- Extreme Duty, Removable Workbelt.
- 2 Lanyard Keepers.
- 7,300 lb. Polyester Webbing.

**Size: Large/Extra Large**



### 7008 Tradesman 1-D Full Body Harness

- Single Back D-ring (Fall Arrest).
- 5-Point Adjustability.
- 9-Position, Heavy-Duty Tongue Buckle Leg Straps.
- Heavy-Duty Back Strap.
- 2 Lanyard Keepers.
- 6,800 lb Polyester Webbing.

**Size: Universal Fit**

## Roofer's Kits

FallTech is an industry leader in the protection of professional roofers. Within our line we have something to meet the needs of everyone from the independent to the major contractor.



### 9001HS Fall Arrest Kit

- #7016 Contractor Harness features standard-duty webbing, tensile strength of 6,300 lbs.
- #7259 Internal continuous-length shock-absorbing lanyard limits arresting forces to 900 lbs or less.
- 1-1/4" Tubular lanyard webbing has a tensile strength of 6,000 lbs.
- The 5005 storage bag is a convenient way to store and protect your equipment.
- Meets the requirements of OSHA 1926 and ANSI Z359.



### 7595A Contractor+ Roofer's Kit

- #7016 Harness features standard-duty webbing, tongue-buckle leg-steps and five-point adjustability.
- #7150 Vertical lifeline constructed with 8,500 lb polyester rope and features one double-locking snap hook and two spliced ends finished with steel thimbles and PVC shrink tubing to protect the splices.
- #7368 Lanyard with integral alloy steel, self-tracking grab limits arrest forces to 900 lbs or less.
- #7410 Hinged, re-usable anchor can be mounted with 12 #14 x 3 1/2" screws or 20 16d nails. Fits any roof peak and can be mounted perfectly flat.
- Comes Packed in a 5 Gallon Bucket with Lid.
- Meets the requirements of OSHA 1926 and ANSI Z359.

## Anchors



### 7336 3' Pass-Thru Anchor Sling

- Heavy-Duty 1 3/4" Polyester Webbing with Rugged Forged Alloy-Steel Hardware.
- 3" Wear Pad Protects Primary Webbing from Cuts and Abrasion.
- Ideal for I-Beams and Other Properly Rated Structural Members.
- Economical and Lightweight. Can be Used Repeatedly.
- Rated at over 5,000 lbs.
- Meets the Requirements of OSHA 1926 and ANSI Z359.



### 7410 Re-Usable Roof Anchor

- Heavy-Duty Alloy Steel Construction.
- Economical as it Can be Used Repeatedly.
- Holes are Clearly Marked for Use with Either Nails or Screws.
- Screw Holes are Counter-Sunk so Screws are Flush with Anchor.
- Conforms to Roof Peaks up to 12/12 and can be Mounted Perfectly Flat.
- Rated at over 5,000 lbs.
- Meets the Requirements of OSHA 1926 and ANSI Z359.

### 7436 3' Concrete Anchor Strap

- Heavy-Duty Polyester Web is High Strength and is Protected Against Abrasion by a Durable Outer Jacket.
- Rugged Forged Alloy-Steel D-Ring for the Attachment of a Deceleration Device.
- Can be Used on Horizontal and Vertical Surfaces.
- Rated at 5,000 lbs.
- Meets the Requirements of OSHA 1926 and ANSI Z359.

### 7448: 4' Concrete Anchor Strap





## Mechanicals



Compact Web SRL features a rugged yet lightweight polycarbonate housing over a laminated alloy steel frame, while the main shaft is constructed with a proprietary alloy designed to reduce weight without sacrificing strength. The net result is an economical block which offers premium protection and performance without weighing you down.

### 727710 10' Compact Web SRL

- 7/8" Polyester Web has a Tensile Strength in Excess of 4,500 lbs.
- Polycarbonate Housing is Lightweight, Extraordinarily Durable and Weather Resistant.
- High-Strength Proprietary Alloy Main Shaft and Laminated Alloy Steel Inner Frame Provide Unmatched Strength.
- Includes #7467A AlumiTech Carabiner for Anchorage Connection and #7463A AlumiTech Swivel Carabiner for Back D-ring Attachment.
- Unique Warning Label Provides Evidence of a Fall Event.
- Not Serviceable.
- Weighs less than 4 lbs.
- Meets the Requirements of OSHA 1926 and ANSI Z359.1-1992(R1999).

Patent Pending

60' DuraTech SRL is a fully-featured block with galvanized steel cable and CNC machined aluminum housing and drum. The internal brake is constructed with a hard-wearing bronze ratchet center and pawls with an alloy steel pressure plate. Also features the DuoTech load-indicating snap hook for attachment to the back D-ring of your full body harness.

### 7265 60' DuraTech Cable SRL

- 3/16" Galvanized steel cable has a tensile strength of 4,000 lbs.
- Aluminum housing and drum are durable, lightweight and resistant to corrosion.
- Housing features built-in carry handle.
- High-strength aluminum-alloy main shaft for lighter weight.
- Spring and ball buffer assembly prevents lock-up from free-wheeling.
- Includes free tag line to prevent free-wheeling.
- Fully serviceable, re-certification required every two years.
- Reduces arrest forces to less than 900 lbs.
- Weighs only 30 lbs.
- Meets the requirements of OSHA 1926 and ANSI Z359.

Our Contractor Cable SRL features an independent alloy steel frame for superior strength and durability with an aluminum drum center and ABS plastic housing to reduce the weight of this rugged device. The high-performance inertial brake utilizes and aggressive spearad and an over-sized brake pad for unmatched performance. This work-horse manages arresting forces and deceleration distances at a fraction of the cost of most SRL's.

### 727630 30' Contractor Cable SRL

- Rugged construction for superior wear and reliability.
- 3/16" galvanized steel cable rated at 4,000lbs.
- Load-indicating swivel carabiner. All connecting hardware meets ANSI Z359.1-2007.
- Maximum arrest forces under 900lbs. and deceleration distances under 36".





# Lanyards & Connecting Accessories



## 7259 Internal 6' Shock Absorbing Lanyard

- Single-Leg Lanyard for Fall Arrest.
- Internal Shock Absorber is Designed to Limit Arrest Forces to 900 lb.
- Light-Weight Design is an End-User Favorite.
- 1-1/4" Tubular Webbing has a Tensile Strength of 6,000 lb.
- Double-Locking Snap Hooks at the Attachment and Anchorage Ends.
- Meets or exceeds the requirements of OSHA 1926 and ANSI Z359.

## 8240 ElasTech 6' Shock Absorbing Lanyard

- Single-leg lanyard for fall arrest.
- Elasticated leg expands from 4-1/2' - 6' and helps to minimize tripping hazards.
- Internal shock absorber is designed to limit arrest forces to 900 lbs.
- Lightweight design is an end-user favorite.
- 1-5/8" Tubular polyester webbing has a tensile strength of 8,500 lbs.
- Double-locking snap hooks at the attachment and anchorage ends.
- Meets the requirements of ANSI Z359.1-2007, A10.32-2004 and OSHA 1926.

**8240Y3: ElasTech 6' Y-leg SAL with anchorage end rebar hooks**



## 7150T 50' Vertical Lifeline

- Snap Hook at the Anchor-End and a Taped Trailing End.
- 5/8" Polyester Rope has a Tensile Strength of 8,500 lbs.
- Superior Resistance to Abrasion and UV Light.
- Superior Hockle Resistance.
- Five-Tuck Splice for Superior Strength and Safety.
- Exclusive Steel Thimbles Resist Wear and Extend the Life of the Line.
- Protective PVC Shrink Tubing Protects the Spliced Ends.
- Meets the Requirements of OSHA 1926 and ANSI Z359.1992(R1999).

**7200T: 100' Vertical Lifeline, Snap Hook and Taped End**



## 7479 Hinged Self-Tracking Rope Grab

- Rugged Alloy-Steel Construction.
- Hinged Construction Allows Attachment or Removal at any Point on the Line.
- Threaded Lock and Secondary Latch are Secure and Easy to Operate.
- 2" Eye for Excellent Connector Compatibility and Easy Handling.
- Unique gravity-operated safety cam prevents improper attachment.
- Meets the Requirements of OSHA 1926 and ANSI Z359.1992(R1999).



## 7450 Medium Carabiner

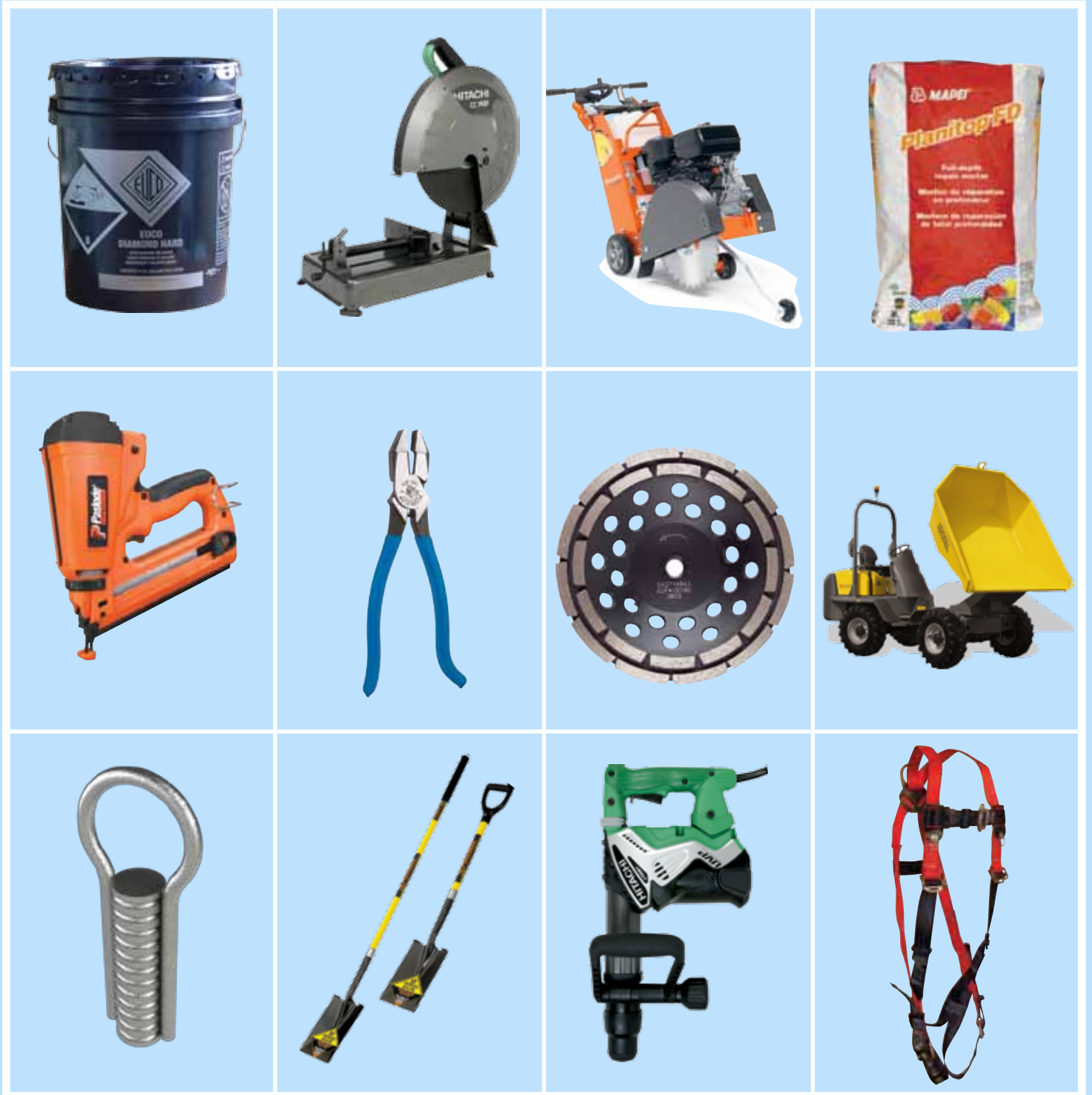
- Rugged Alloy-Steel Construction.
- Double-Locking Gate.
- 1-1/8" Gate Opening.
- Includes Optional Captive-Eye Pin.
- Rated at over 5,000 lbs.
- Meets the Requirements of OSHA 1926 and ANSI Z359.1-1992(R1999).



## 7358 Rope Grab with Integral 3' ClearPack SAL.

- Tough alloy steel construction.
- Threaded lock with positive secondary is secure and easy to operate.
- Permanently attached 3' ClearPack shock-absorbing lanyard which dramatically reduces arrest forces.
- For use with 5/8" rope.
- Unique gravity-operated safety cam prevents improper attachment.
- 2" eye for excellent connector compatibility and easy handling.
- Meets the requirements of OSHA 1926 and ANSI Z359.

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