

DEWALT®

ENGINEERED BY Powers™



ANCHORS ADHESIVES CORDLESS INSTALLATION SYSTEMS DIRECT FASTENING ELCO SCREWS LIGHT DUTY SOFTWARE

BUYERS GUIDE

DEWALT

Powers
FASTENING INNOVATIONS

ELCO

THE COMPLETE SOFTWARE FOR ANCHORING TO CONCRETE



Mechanical



Adhesives



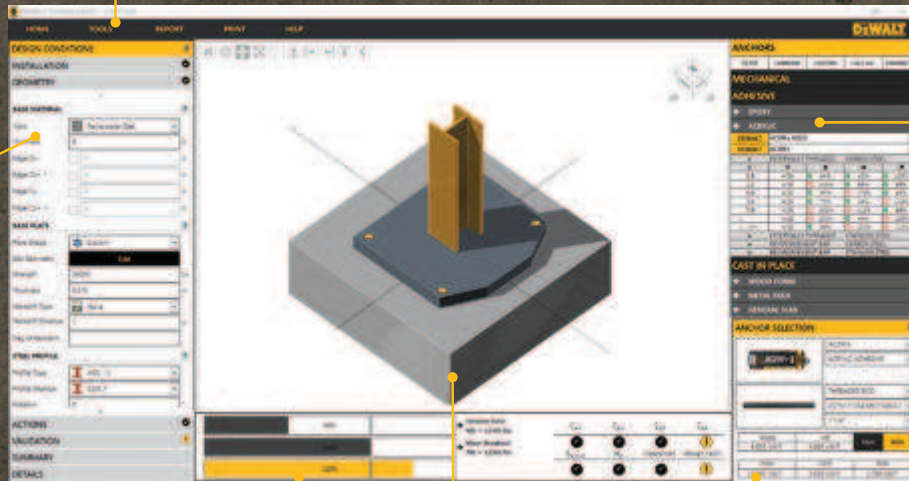
Cast-in Place

Tool Bar

- New, Save, Open
- Report Generation
- Application Help

Design Conditions

- Installation Properties
- Geometric Constraints
- Loading Attributes
- Validations
- Calculation Summary
- Project Details



Anchor Tree

- Filtering
- Comparisons
- Calculate All
- Documents
- Custom Anchor

Result Area

- Easy to Read Bar Graphs
- Continuous Results updating
- Key Geometric Checks

Visual Model

- 3D Graphics
- Edit Geometry
- Zoom, Pan, Rotate

Active Anchor

- Auto Embedment Optimization
- Key Anchor Properties
- Fast Switching

DESIGN



Code compliant anchor designs according to ACI 318-14 and CSA A23.3-14

DOCUMENT



Comprehensive design calculations with multiple reporting options

ANCHOR



Includes full catalog of DeWALT innovative anchors, standard Cast-in Place and MORE!!

For more information or if you are interested in Beta testing the software, log on to <http://anchors.dewalt.com/dda>

www.DeWALT.com
(800) 524-3244 | anchors@dewalt.com



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Mechanical Anchors

	Page	BASE MATERIAL											ANCHOR DIAMETER										HEAD STYLE							COATING/MATERIAL							Code Recognition										
		Concrete	Lightweight Concrete	Hollow Core Plank	Post-Tensioned Concrete	Grout-filled Concrete Masonry	Hollow Concrete Masonry	Solid Brick	Hollow Brick	Stone	Structural Clay / Tile	Wood	Steel	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1" (24mm)	1-1/4" (28mm)	Finished Hex Head	Hex Head	Round/Acorn Head	Flat Head (Countersunk)	Removable	Tie-Wire Head	Female Coupler	Flush Mount	Plated Carbon Steel	Galvanized Carbon Steel	Type 303/304 Stainless Steel	Type 316 Stainless Steel	Type 410 Stainless Steel		Zamac Alloy	Perma-Seal Coated	Nylon/Plastic							
Expansion Anchors	Power-Stud®+ SD1	3	●	●		●	○	○					●	●	●	●	●	●	●	●	●	●	●	●					●			●												ICC-ES ESR-2818 ESR-2966			
	Power-Stud®+ SD2	3	●	●		●		○								●	●	●	●					●								●												ICC-ES ESR-2502			
	Power-Stud®+ SD4/SD6	4	●	●		●			○				●	●	●	●	●							●										●	●									ICC-ES ESR-2502			
	Power-Stud® HD5	4	●	●		○			○							●	●	●	●					●									●														
	Power-Bolt®+	5	●	●		○			○				●			●	●	●	●					●					●				●													ICC-ES ES-3260	
	PB-Pro	5	●	●		○			○				●	●	●	●	●	●	●	●	●	●	●	●						●			●														
	Power-Bolt	5	●	●	○	●	●	○	○				●	●	●	●	●	●	●	●	●	●	●	●			●	●				●				●	●										
	Lok-Bolt AS®	6	●	○	○	●	●	●	○	○			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●		●	●													
Atomic+ Undercut®	7	●	●					○							●	●	●	●	●				●									●				●								ICC-ES ESR-3067			
Screw Anchors	Screw-Bolt+™	8	●	●	○	●	○	●				●	●	●	●	●	●	●					●					●				●	●											ICC-ES ESR-3889			
	316 SS Wedge-Bolt™	8	●	●	○	●	○	●				●	●	●	●	●	●	●	●				●					●				●	●			●											
Cast-In-Place	Wood-Knocker® II+		●	●								●	●	●	●	●															●	●												ICC-ES ESR-3657			
	Bang-It®+		●	●								●			●	●	●	●													●	●												ICC-ES ESR-3657			
	DDI™+		●	●											●	●	●	●	●	●	●	●								○	●													ICC-ES ESR-3958			
Rod Hanging Anchors	Mini-Undercut+™		●	●	●	●									●																●	●												ICC-ES ESR-3912			
	Snake+®		●	●		○						●			●	●												●			●	●												ICC-ES ESR-2272			
	Smart DI		●	○					○						●	●															●	●															
	Hollow-Set Dropin™		●	○	●	●	●	○	○	○		●	●	●	●	●															●	●		●				●									
	Mini Dropin™		●	●	●	○			○			●			●	●															●	●															
	Steel Dropin™		●	●					○			●			●	●	●	●	●												●	●		●	●												
Hangermate®+		●	●	○							●	●																		●	●												ICC-ES ESR-3889				

● Suitable ○ May be Suitable



EXPANSION ANCHORS



Power-Stud®+ SD1

Type	Wedge Expansion Anchor
Approvals	ICC-ES ESR-2818 (Concrete) ESR-2966 (Masonry) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Fully threaded Torque controlled
Base Materials	Normal and sand-light-weight concrete, concrete over metal deck, grouted concrete masonry (CMU)
Anchor Material	Carbon steel body & expansion clip



POWER-STUD+ SD1 CARBON STEEL BODY & EXPANSION CLIP

CAT #	SIZE	THREAD LEN	CTN	MSTR
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
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 4-1/4"	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	20
7450SD1*	7/8" x 6"	2-3/4"	10	40
7452SD1	7/8" x 8"	4-3/4"	10	40
7454SD1	7/8" x 10"	6-3/4"	10	20

*For Power-Stud+ SD1 and SD2: Less than the minimum standard anchor length for strength design. Published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length. Packaged with nuts and washers.

CAT #	SIZE	THREAD LEN	CTN	MSTR
7461SD1*	1" x 6"	2-3/8"	10	20
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	10
7475SD1	1-1/4" x 12"	7-3/4" ^{1a}	5	10



TIE-WIRE POWER-STUD

CAT #	SIZE	WIRE HOLE	MIN EMBED	CTN	MSTR
7409SD1*	1/4" x 2"	9/32"	1-1/8"	100	600

POWER-STUD+ SD1 AVAILABLE IN JARS

CAT #	SIZE	QTY
J7400SD*	1/4" X 1-3/4"	100
J7402SD	1/4 X 2-1/4"	100
J7404SD	1/4" X 3-1/4"	100
J7410SD*	3/8" X 2-1/4"	50
J7413SD	3/8" X 3"	50
J7415SD	3/8" X 3-3/4"	50
J7416SD	3/8" X 5"	50
J7422SD	1/2" X 3-3/4"	50
J7423SD	1/2" X 4-1/2"	50

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33

Power-Stud®+SD2

Type	Wedge Expansion Anchor
Approvals	ICC-ES ESR-2052 (Concrete); IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Fully threaded Torque controlled
Base Materials	Normal and sand-lightweight concrete, concrete over metal deck, grouted concrete masonry (CMU)
Anchor Material	Carbon steel body w. ss expansion clip



POWER-STUD+ SD2 CARBON STEEL BODY & SS EXPANSION CLIP

CAT #	SIZE	THREAD LEN	CTN	MSTR
7413SD2	3/8" x 3"	1-5/8"	50	300
7414SD2	3/8" x 3-1/2"	2-1/4"	50	300
7415SD2	3/8" x 3-3/4"	2-1/2"	50	300
7416SD2	3/8" x 5"	3-3/4"	50	300
7422SD2	1/2" x 3-3/4"	2-1/8"	50	200
7423SD2	1/2" x 4-1/2"	2-7/8"	50	200
7424SD2	1/2" x 5-1/2"	3-7/8"	50	150
7426SD2	1/2" x 7"	5-3/8"	25	100
7427SD2	1/2" x 8-1/2"	6-7/8"	25	100
7435SD2	5/8" x 4-3/4"	2-7/8"	25	100
7433SD2	5/8" x 5"	3-1/8"	25	100
7434SD2	5/8" x 6"	4-1/8"	25	75
7436SD2	5/8" x 7"	5-1/8"	25	75
7438SD2	5/8" x 8-1/2"	6-5/8"	25	75
7442SD2	3/4" x 5-1/2"	3-1/4"	20	60

CAT #	SIZE	THREAD LEN	CTN	MSTR
7444SD2	3/4" x 6-1/4"	4"	20	60
7446SD2	3/4" x 7"	4-3/4"	20	60
7448SD2	3/4" x 8-1/2"	6-1/4"	10	40

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33

EXPANSION ANCHORS

ANCHORS
ENGINEERED BY
Power[®]

Power-Stud[®] + SD4/SD6

Type	Wedge Expansion Anchor
Approvals	ICC-ES ESR-2052 (Concrete) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Description	Fully threaded Torque controlled
Base Materials	Normal and sand-lightweight concrete, grouted concrete masonry (CMU)
Anchor Material	SD4: Type 304 stainless steel anchor body with type 316 expansion clip and hex nut SD6: Type 316 stainless steel anchor body, expansion clip and hex nut



POWER-STUD+ SD4 (304 SS)

CAT #	SIZE	THREAD LEN	CTN	MSTR
7300SD4*	1/4" x 1-3/4"	3/4"	100	600
7302SD4	1/4" x 2-1/4"	1-1/4"	100	600
7304SD4	1/4" x 3-1/4"	2-1/4"	100	600
7313SD4	3/8" x 3"	1-5/8"	50	300
7315SD4	3/8" x 3-3/4"	2-3/8"	50	300
7316SD4	3/8" x 5"	3-5/8"	50	300
7322SD4	1/2" x 3-3/4"	2"	50	200
7323SD4	1/2" x 4-1/2"	2-3/4"	50	200
7324SD4	1/2" x 5-1/2"	3-3/4"	50	150
7326SD4	1/2" x 7"	5-1/4"	25	100
7333SD4	5/8" x 5"	3"	25	100
7334SD4	5/8" x 6"	4"	25	75
7338SD4	5/8" x 8-1/2"	6-1/2"	25	50
7342SD4	3/4" x 5-1/2"	3-1/8"	20	60
7348SD4	3/4" x 8-1/2"	6-1/8"	10	40
7349SD4	3/4" x 10"	7-5/8"	10	40



POWER-STUD+ SD6 (316SS)

CAT #	SIZE	THREAD LEN	CTN	MSTR
7600SD6*	1/4" x 1-3/4"	3/4"	100	600
7610SD6*	3/8" x 2-1/4"	7/8"	50	300
7620SD6*	1/2" x 2-3/4"	1"	50	200
7622SD6	1/2" x 3-3/4"	2"	50	200
7623SD6	1/2" x 4-1/2"	2-3/4"	50	200

* For Power-Stud+ SD4 and SD6: Less than the minimum standard anchor length for strength design. Published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length. Packaged with nuts and washers.

CAT #	SIZE	THREAD LEN	CTN	MSTR
7624SD6	1/2" x 5-1/2"	3-3/4"	50	150
7626SD6	1/2" x 7"	5-1/4"	25	100
7630SD6*	5/8" x 3-1/2"	1-1/2"	25	100
7632SD6	5/8" x 4-1/2"	2-1/2"	25	100
7633SD6	5/8" x 5"	3"	25	100
7634SD6	5/8" x 6"	4"	25	75
7636SD6	5/8" x 7"	5"	25	75
7638SD6	5/8" x 8-1/2"	6-1/2"	25	50
7640SD6*	3/4" x 4-1/4"	1-7/8"	20	60
7641SD6*	3/4" x 4-3/4"	2-3/8"	20	60
7642SD6	3/4" x 5-1/2"	3-1/8"	20	60
7644SD6	3/4" x 6-1/4"	3-7/8"	20	60
7646SD6	3/4" x 7"	4-5/8"	20	60
7648SD6	3/4" x 8-1/2"	6-1/8"	10	40

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH293X2	SDS+ Cordless Rotary Hammer (lg)	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33

Power-Stud[®] HD5

Type	Wedge Expansion Anchor
Approvals	
Description	Torque controlled Fully threaded Hot-Dip (zinc) galvanized coating
Base Materials	Concrete, grouted concrete masonry (CMU)
Anchor Material	Carbon steel anchor body, nut and washer Type 304 stainless steel expansion wedge (clip) Zinc galvanized according to ASTM A 153 Class C or D



HOT-DIP GALVANIZED POWER-STUD

CAT #	SIZE	MIN EMBED	THREAD LEN	CTN	MSTR
7713HD5	3/8" x 3"	1-1/2"	1-1/2"	50	300
7715HD5	3/8" x 3-3/4"	1-1/2"	2-3/8"	50	300
7716HD5	3/8" x 5"	1-1/2"	3-1/2"	50	300
7717HD5	3/8" x 7"	1-1/2"	5-1/2"	50	200
7720HD5	1/2" x 2-3/4"	2"	1"	50	200
7722HD5	1/2" x 3-3/4"	2"	2"	50	200
7723HD5	1/2" x 4-1/2"	2"	2-3/4"	50	200
7724HD5	1/2" x 5-1/2"	2"	3-3/4"	50	150
7726HD5	1/2" x 7"	2"	5-1/4"	25	100
7730HD5	5/8" x 3-1/2"	2-3/8"	1-1/2"	25	100
7733HD5	5/8" x 5"	2-3/8"	3"	25	100
7734HD5	5/8" x 6"	2-3/8"	4"	25	75
7738HD5	5/8" x 8-1/2"	2-3/8"	6-1/2"	25	50
7741HD5	3/4" x 4-3/4"	3-3/8"	2-1/4"	20	60
7742HD5	3/4" x 5-1/2"	3-3/8"	3"	20	60
7746HD5	3/4" x 7"	3-3/8"	4-1/2"	20	60
7748HD5	3/4" x 8-1/2"	3-3/8"	6"	10	40

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33



EXPANSION ANCHORS



PB+ (Power-Bolt®+)

Type	Heavy Duty Sleeve Anchor
Approvals	ICC-ES ESR-3260 (Concrete); 1/2", 5/8" & 3/4" IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Description	Torque controlled Low profile finished hex head
Base Materials	Normal and lightweight concrete
Anchor Material	Carbon steel, Grade 8 bolt (equivalent)



CARBON STEEL HEX HEAD PB+

CAT #	SIZE	DRILL DIA	CTN	MSTR
6902SD	1/4" x 1-3/4"	1/4"	100	600
6906SD	1/4" x 3"	1/4"	100	600
6911SD	3/8" x 1-7/8"	3/8"	50	300
6910SD	3/8" x 2-1/4"	3/8"	50	300
6913SD	3/8" x 3"	3/8"	50	300
6914SD	3/8" x 3-1/2"	3/8"	50	300
6916SD	3/8" x 4"	3/8"	50	300
6930SD*	1/2" x 2-3/4"	1/2"	50	200
6932SD	1/2" x 3-1/2"	1/2"	50	200
6934SD	1/2" x 4-3/4"	1/2"	25	200
6936SD	1/2" x 5-3/4"	1/2"	25	150
6940SD*	5/8" x 3"	5/8"	20	120
6942SD	5/8" x 4"	5/8"	15	90
6944SD	5/8" x 5"	5/8"	15	90
6945SD	5/8" x 6"	5/8"	15	60

CAT #	SIZE	DRILL DIA	CTN	MSTR
6947SD	5/8" x 8-1/2"	5/8"	10	40
6950SD	3/4" x 3-1/4"	1/4"	15	90
6952SD	3/4" x 4-1/2"	3/4"	10	60
6954SD	3/4" x 5-1/4"	3/4"	10	50
6956SD	3/4" x 7-1/4"	3/4"	10	40
6957SD	3/4" x 8-1/4"	3/4"	10	40

*Less than the minimum standard anchor length for strength design or not included in ESR-3260. The published size includes the diameter and the length which is measured from below the washer to the end of the anchor.

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33

Power-Bolt®

Type	Heavy Duty Sleeve Anchor
Approvals	Full UL listings in product brochure or at www.DEWALT.com
Description	Finished hex head or flat head
Base Materials	Concrete, block, brick and stone
Anchor Material	Type 304 stainless steel & carbon steel (flat head)



304 STAINLESS STEEL HEX HEAD POWER-BOLT

CAT #	SIZE	DRILL DIA	MIN DEPTH	QTY	MSTR
05902	1/4" x 1-3/4"	1/4"	1-1/4"	100	600
05906	1/4" x 3"	1/4"	1-1/4"	100	600
05910	3/8" x 2-1/4"	3/8"	2"	50	300
05914	3/8" x 3-1/2"	3/8"	2"	50	300
05916	3/8" x 4"	3/8"	2"	50	300
05930	1/2" x 2-3/4"	1/2"	2-1/2"	50	200
05934	1/2" x 4-3/4"	1/2"	2-1/2"	25	150

CAT #	SIZE	DRILL DIA	MIN DEPTH	QTY	MSTR
06983	3/8" x 6"	3/8"	2"	50	250
06984	1/2" x 5"	1/2"	2-1/2"	25	125
06987	5/8" x 5-1/2"	5/8"	2-3/4"	15	90

Published length is the overall length of the anchor.

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33



CARBON STEEL FLAT HEAD POWER-BOLT

CAT #	SIZE	DRILL DIA	MIN DEPTH	QTY	MSTR
06981	3/8" x 3-3/4"	3/8"	2"	50	300
06982	3/8" x 5"	3/8"	2"	50	250

PB-Pro

Type	Metric Heavy Duty Sleeve Anchor
Approvals	
Description	Large diameter Torque controlled Finished hex head
Base Materials	Concrete
Anchor Material	Carbon steel



CARBON STEEL HEX HEAD PB-PRO

CAT #	SIZE	DRILL DIA	LENGTH	QTY	MSTR
PFM1220650	24-M16 x 148mm	24mm	148mm	5	20
PFM1220700	24-M16 x 178mm	24mm	178mm	5	20
PFM1220750	28-M20 x 170mm	28mm	170mm	5	20
PFM1220800	28-M20 x 190mm	28mm	190mm	5	20
PFM1220850	28-M20 x 220mm	28mm	220mm	5	20

DRILL BITS

CAT #	SIZE	DRILL DIA	LENGTH	USABLE LENGTH	QTY
PPA1330220	24mm x 340mm	24mm	340mm	200mm	1
PFM1330290	28mm x 380mm	28mm	380mm	250mm	1
		SDS+ Carbide Drill Bits	by diameter/length		30
		SDS Max Carbide Drill Bits	by diameter/length		31

ACCESSORIES

CAT #	DESCRIPTION	QTY
	Hammer	refer to page 33
	Torque Wrench	refer to page 33
	Socket	refer to page 33
DWMT74581	M24 1/2" Drive Manual Socket	33
DWMT74581	M28 1/2" Drive Manual Socket	33

RECOMMENDED INSTALLATION POWER TOOLS

TYPE	#	PAGE
SDS+ Cordless Rotary Hammer (lg)	DCH293R2	24
SDS Max FlexVolt Cordless Rotary Hammer	DCH481X2	24

EXPANSION ANCHORS

ANCHORS
ENGINEERED BY
Powers

Lok-Bolt AS®

Type	Sleeve Expansion Anchor
Approvals	
Description	Pre-assembled single unit sleeve anchor Extension sleeves create longer lengths AS refers to all-steel sleeve
Base Materials	Concrete, block, brick
Anchor Material	Carbon steel & stainless steel

Hex Nut Lok-Bolt: Published length measured from below the washer to the end of the anchor.

Acorn Nut Lok-Bolt: The published length is measured from below the washer to the end of the anchor.

Combo and Threshold Flat Head Lok-Bolt: These parts do not have a compression ring.



HEX NUT LOK-BOLT AS CARBON STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
05005S	5/16" x 1-1/2"	5/16"	1"	100	600
05010S	5/16" x 2-3/8"	5/16"	1"	100	500
05015S	3/8" x 1-7/8"	3/8"	1-1/4"	50	300
05020S	3/8" x 3"	3/8"	1-1/4"	50	250
05022S	3/8" x 4"	3/8"	1-1/4"	50	250
05025S	1/2" x 2-1/2"	1/2"	1-1/2"	25	150
05030S	1/2" x 3"	1/2"	1-1/2"	25	150
05034S	1/2" x 3-3/4"	1/2"	1-1/2"	25	150
05033S	1/2" x 5-1/4"	1/2"	1-1/2"	25	125
05032S	1/2" x 6"	1/2"	1-1/2"	10	50
05035S	5/8" x 2-1/2"	5/8"	2"	25	125
05038S	5/8" x 3"	5/8"	2"	25	100
05040S	5/8" x 4-1/4"	5/8"	2"	10	60
05045S	5/8" x 5-3/4"	5/8"	2"	10	50
05050S	3/4" x 2-3/4"	3/4"	2-1/4"	10	60
05055S	3/4" x 4-1/4"	3/4"	2-1/4"	10	40
05060S	3/4" x 6-1/4"	3/4"	2-1/4"	10	30
05065S	3/4" x 8-1/4"	3/4"	2-1/4"	10	20

HEX NUT LOK-BOLT AS 304 STAINLESS STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
06152S	3/8" x 1-7/8"	3/8"	1-1/4"	50	300
06153S	3/8" x 3"	3/8"	1-1/4"	50	250
06156S	1/2" x 2-1/2"	1/2"	1-1/2"	25	150
06157S	1/2" x 3"	1/2"	1-1/2"	25	150
06160S	1/2" x 3-3/4"	1/2"	1-1/2"	25	150
06164S	5/8" x 4-1/4"	5/8"	2"	10	60
06168S	3/4" x 4-1/4"	3/4"	2-1/4"	10	40



ACORN NUT LOK-BOLT AS CARBON STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
05125S	1/4" x 5/8"	1/4"	1/2"	100	1000
05150S	1/4" x 1-3/8"	1/4"	1/2"	100	600
05175S	1/4" x 2-1/4"	1/4"	1/2"	100	600

ACORN NUT LOK-BOLT AS 304 STAINLESS STEEL

#	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
06150S	1/4" x 1-3/8"	1/4"	1/2"	100	600

The published length is measured from below the washer to the end of the anchor.



ROUND HEAD LOK-BOLT AS CARBON STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
05205S	1/4" x 1-3/8"	1/4"	1/2"	100	1000
05210S	1/4" x 2-1/4"	1/4"	1/2"	100	600
05215S	1/4" x 3"	1/4"	1/2"	100	600
05240S	3/8" x 3-3/4"	3/8"	1-1/4"	50	250

ROUND HEAD LOK-BOLT AS 304 STAINLESS STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
06180S	1/4" x 2-1/4"	1/4"	1/2"	100	600



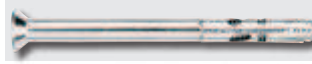
COMBO FLAT HEAD LOK-BOLT AS CARBON STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
05305S	1/4" x 1-1/2"	1/4"	1/2"	100	1000
05310S	1/4" x 2-1/4"	1/4"	1/2"	100	600
05315S	1/4" x 3"	1/4"	1/2"	100	600
05320S	1/4" x 4"	1/4"	1/2"	100	600

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
05325S	1/4" x 5-1/4"	1/4"	1/2"	100	600
05330S	5/16" x 2-1/4"	5/16"	1"	100	600
05340S	3/8" x 2-3/4"	3/8"	1-1/4"	50	300
05345S	3/8" x 4"	3/8"	1-1/4"	50	250
05350S	3/8" x 5"	3/8"	1-1/4"	50	250
05360S	3/8" x 6"	3/8"	1-1/4"	50	250

COMBO FLAT HEAD LOK-BOLT AS 304 STAINLESS STEEL

CAT #	SIZE	DRILL DIA	MIN EMBED	CTN	MSTR
06170S	1/4" x 2-1/4"	1/4"	1/2"	100	600
06172S	1/4" x 3"	1/4"	1/2"	100	600
06174S	3/8" x 4"	3/8"	1-1/4"	50	250
06175S	3/8" x 5"	3/8"	1-1/4"	50	250
06176S	3/8" x 6"	3/8"	1-1/4"	50	250



THRESHOLD FLAT HEAD LOK-BOLT AS

CAT #	SIZE	DRILL DIA	MIN DEPTH	CTN	MSTR
05500S	1/4" x 2"	1/4"	1/2"	100	600



ROD HANGER LOK-BOLT AS CARBON STEEL

CAT #	SIZE	DRILL DIA	MIN DEPTH	CTN	MSTR
05810S	1/4" x 1-1/2"	5/16"	1/2"	50	300
05815S	3/8" x 1-7/8"	3/8"	1-1/4"	50	300
05825S	1/2" x 2-1/4"	1/2"	1-1/2"	25	150



TIE-WIRE LOK-BOLT AS

CAT #	SIZE	DRILL DIA	MIN DEPTH	CTN	MSTR
05700S	5/16" x 1-1/2"	5/16"	1"	100	600



LOK-BOLT AS EXTENDERS CARBON STEEL

CAT #	SIZE	DRILL DIA	CTN	MSTR
05684	3/8" x 1-1/4"	3/8"	50	500

LOK-BOLT AS AVAILABLE IN JARS



CAT #	DESCRIPTION / SIZE	QTY
J05125S	Acorn Nut 1/4" x 5/8"	50
J05150S	Acorn Nut 1/4" x 1-3/8"	50
J05175S	Acorn Nut 1/4" x 2-1/4"	25
J05015S	Hex Nut 3/8" x 1-7/8"	100
J05020S	Hex Nut 3/8" x 3"	100
J05025S	Hex Nut 1/2" x 2-1/2"	100
J05815S	Rod Hanger 3/8" x 1-7/8"	50

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH293X2	SDS+ Cordless Rotary Hammer (lg)	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Hammer	refer to page 33
Torque Wrench	refer to page 33
Socket	refer to page 33

UNDERCUT ANCHORS



Atomic+ Undercut®

Type	Heavy Duty Undercut Anchor
Approvals	ICC-ES ESR-3067 (Concrete) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Description	Standard and through-bolt applications Transfers load mainly through bearing, not dependent upon friction between the expansion sleeve and the concrete
Base Materials	Normal and sand-lightweight concrete, concrete over metal deck
Anchor Material	Zinc plated a 36 carbon steel, zinc plated high strength A 193 grade B7 steel, type 316 stainless steel



ST = Standard Type
TB = Through Bolt Type



ATOMIC+ UNDERCUT ANCHOR A 36 STEEL

CAT #	NOM DIA	LENGTH	UNDERCUT BIT #	STOP BIT #	TYPE	CTN
03100SD	3/8"	5-1/2"	03200SD	03220SD	ST	20
03102SD	3/8"	5-1/2"	03200SD	*	TB	20
03108SD	1/2"	7"	03201SD	03222SD	ST	15
03110SD	1/2"	7"	03201SD	*	TB	15
03120SD	5/8"	7-3/4"	03202SD	03222SD	ST	10
03122SD	5/8"	7-3/4"	03202SD	*	TB	10
03132SD	3/4"	8-5/8"	03203SD	03228SD	ST	8



ATOMIC+ UNDERCUT HIGH STRENGTH A 193, GRADE B7 STEEL

CAT #	NOM DIA	LENGTH	UNDERCUT BIT #	STOP BIT #	TYPE	CTN
03104SD	3/8"	6-3/4"	03200SD	03221SD	ST	20
03106SD	3/8"	6-3/4"	03200SD	*	TB	20
03112SD	1/2"	8"	03201SD	03223SD	ST	10
03114SD	1/2"	8"	03201SD	*	TB	15
03116SD	1/2"	9-3/4"	03201SD	03224SD	ST	15
03118SD	1/2"	9-3/4"	03201SD	*	TB	15
03124SD	5/8"	10-3/4"	03202SD	03226SD	ST	10
03126SD	5/8"	10-3/4"	03202SD	*	TB	10
03128SD	5/8"	12-1/4"	03202SD	03227SD	ST	10
03130SD	5/8"	12-1/4"	03202SD	*	TB	10
03136SD	3/4"	13-5/8"	03203SD	03229SD	ST	8
03138SD	3/4"	13-5/8"	03203SD	*	TB	8



ATOMIC UNDERCUT+ TYPE 316 STAINLESS STEEL

CAT #	NOM DIA	LENGTH	UNDERCUT BIT #	STOP BIT #	TYPE	CTN
03600SD	3/8"	5-1/2"	03200SD	03220SD	STD	20
03602SD	3/8"	5-1/2"	03200SD	*	TB	20
03608SD	1/2"	7"	03201SD	03222SD	STD	15
03610SD	1/2"	7"	03201SD	*	TB	15
03620SD	5/8"	7-3/4"	03202SD	03225SD	STD	10
03622SD	5/8"	7-3/4"	03202SD	*	TB	10
03632SD	3/4"	8-5/8"	03203SD	03228SD	STD	8
03634SD	3/4"	8-5/8"	03203SD	*	TB	8



STOP DRILL BITS

CAT #	NOM STOP BIT DIA	FOR NOM ANCHOR DIA	MAX DRILL DEPTH	SHANK	TUBE
03220SD	5/8"	3/8"	3-1/8"	SDS+	1
03221SD	5/8"	3/8"	4-3/8"	SDS+	1
03222SD	3/4"	1/2"	4-1/4"	SDS+	1
03223SD	3/4"	1/2"	5-1/4"	SDS+	1
03224SD	3/4"	1/2"	7"	SDS+	1
03225SD	1"	5/8"	5"	SDS-Max	1
03226SD	1"	5/8"	8"	SDS-Max	1
03227SD	1"	5/8"	9-1/2"	SDS-Max	1
03228SD	1-1/8"	3/4"	5-13/16"	SDS-Max	1
03229SD	1-1/8"	3/4"	10-13/16"	SDS-Max	1



UNDERCUT DRILL BITS

CAT #	NOM STOP BIT DIA	FOR NOM ANCHOR DIA	MAX DRILL DEPTH	SHANK	TUBE
03200SD	5/8"	3/8"	9"	SDS	1
03201SD	3/4"	1/2"	10-1/4"	SDS	1
03202SD	1"	5/8"	12-1/4"	SDS-Max	1
03203SD	1-1/8"	3/4"	13-1/2"	SDS-Max	1



SETTING SLEEVE

CAT #	FOR NOMINAL ANCHOR DIA	TUBE
03210SD	3/8"	1
03211SD	1/2"	1
03218SD	5/8"	1
03213SD	3/4"	1



CUTTER BLADE REPLACEMENTS FOR UNDERCUT BIT

CAT #	DESCRIPTION	TUBE
03205SD	Atomic+ (3/8") Cutter Blade - 5/8"	1
03206SD	Atomic+ (1/2") Cutter Blade - 3/4"	1
03208SD	Atomic+ (5/8") Cutter Blade - 1"	1
03209SD	Atomic+ (3/4") Cutter Blade - 1-1/8"	1



REPLACEMENT BOW JAWS FOR UNDERCUT BIT

CAT #	DESCRIPTION	TUBE
03212SD	3/8" Bow Jaw for 5/8" Hole	1
03215SD	1/2" Bow Jaw for 3/4" Hole	1
03216SD	5/8" Bow Jaw for 1" Hole	1
03217SD	3/4" Bow Jaw for 1-1/8" Hole	1

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH293X2	SDS+ Cordless L Shape Rotary Hammer	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28

ACCESSORIES

TYPE		PAGE
Hammer	refer to page	33
Torque Wrench	refer to page	33
Socket	refer to page	33

SCREW ANCHORS

ANCHORS
ENGINEERED BY
Powers

Screw-Bolt™ +

Type	High Performance Screw Anchor
Approvals	ICC-ES ESR-3889 (Concrete), ESR-4042 (Masonry) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Description	Uses standard ANSI tolerance drill bits One-piece, finished head Tough threads tap high strength concrete Head ratchet teeth lock against fixture
Base Materials	Normal and sand-lightweight concrete, concrete over metal deck, grouted concrete masonry (CMU), clay brick masonry
Anchor Material	Carbon steel



ZINC PLATED SCREW-BOLT+

CAT #	SIZE	CTN	MSTR
PFM1411000	1/4" x 1-1/4"	100	600
PFM1411020	1/4" x 1-3/4"	100	600
PFM1411060	1/4" x 2-1/4"	100	600
PFM1411080	1/4" x 2-5/8"	100	500
PFM1411100	1/4" x 3"	100	500
PFM1411160	3/8" x 1-3/4"	50	300
PFM1411220	3/8" x 2-1/2"	50	300
PFM1411240	3/8" x 3"	50	250
PFM1411280	3/8" x 4"	50	250
PFM1411300	3/8" x 5"	50	250
PFM1411320	3/8" x 6"	50	150
PFM1411340	1/2" x 2"	50	200
PFM1411360	1/2" x 2-1/2"	50	200
PFM1411380	1/2" x 3"	50	150
PFM1411420	1/2" x 4"	50	150
PFM1411460	1/2" x 5"	25	100
PFM1411480	1/2" x 6"	25	75
PFM1411520	1/2" x 8"	25	100
PFM1411540	5/8" x 3"	25	100
PFM1411580	5/8" x 4"	25	100
PFM1411600	5/8" x 5"	25	75
PFM1411640	5/8" x 6"	25	75
PFM1411680	5/8" x 8"	25	50
PFM1411700	3/4" x 3"	20	60
PFM1411720	3/4" x 4"	20	60
PFM1411760	3/4" x 5"	20	60
PFM1411800	3/4" x 6"	20	60
PFM1411840	3/4" x 8"	10	40
PFM1411880	3/4" x 10"	10	20



MECHANICALLY GALVANIZED SCREW-BOLT+

CAT #	SIZE	CTN	MSTR
PFM1461240	3/8" x 3"	50	250
PFM1461280	3/8" x 4"	50	250
PFM1461300	3/8" x 5"	50	250
PFM1461320	3/8" x 6"	50	150
PFM1461420	1/2" x 4"	50	150
PFM1461460	1/2" x 5"	25	100
PFM1461480	1/2" x 6"	25	75
PFM1461520	1/2" x 8"	25	100
PFM1461600	5/8" x 5"	25	75
PFM1461640	5/8" x 6"	25	75
PFM1461680	5/8" x 8"	25	50
PFM1461800	3/4" x 6"	20	60
PFM1461850	3/4" x 8"	10	40

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCH293X2	SDS+ Cordless Rotary Hammer (lg)	28
DCH481X2	SDS Max FlexVolt Cordless Rotary Hammer	28
DCF883L2	Impact Wrench	29
DCF880M2	Impact Wrench	29
DCF899P2	Impact Wrench	29

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits	by diameter/length 30
SDS Max Carbide Drill Bits	by diameter/length 31
Impact Rated Socket	by diameter 33

Wedge-Bolt 316 Stainless Steel

Type	Screw Anchor
Approvals	Tested in accordance with ASTM E488, AC106 criteria and AC193 criteria
Description	Uses special matched tolerance Wedge-Bit™ One-piece, finished head Additional corrosion resistance Head ratchet teeth lock against fixture
Base Materials	Concrete, grouted concrete masonry (CMU)
Anchor Material	316 Stainless steel



316 STAINLESS STEEL WEDGE-BOLT SCREW ANCHOR

CAT #	DIA & LENGTH	CTN	MSTR
07870	1/4" x 2"	100	600
07872	1/4" x 3"	100	500
07876	1/4" x 4"	100	500
07878	1/4" x 5"	100	500
07880	3/8" x 2-1/2"	50	300
07882	3/8" x 3"	50	250
07884	3/8" x 4"	50	250
07886	3/8" x 5"	50	250
07888	1/2" x 3"	50	150
07890	1/2" x 4"	50	150
07892	1/2" x 5"	25	100
07894	1/2" x 6"	25	75

WEDGE-BITS

CAT #	SIZE	USABLE LEN	TUBE	CTN
01312	SDS 1/4" x 4"	2"	1	250
01314	SDS 1/4" x 6"	4"	1	100
01315	SDS 1/4" x 8"	6"	1	-
01316	SDS 3/8" x 6"	4"	1	200
01318	SDS 3/8" x 8"	6"	1	100
01332	SDS 3/8" x 12"	10"	1	50
01319	SDS 3/8" x 18"	16"	1	50
01320	SDS 1/2" x 6"	4"	1	150

CAT #	SIZE	USABLE LEN	TUBE	CTN
01322	SDS 1/2" x 10"	8"	1	50
01334	SDS 1/2" x 12"	10"	1	50
01335	SDS 1/2" x 18"	16"	1	50
01340	Spline 1/2" x 13"	8"	1	20
01342	Spline 1/2" x 16"	11"	1	-
01354	SDS-Max 1/2" x 13"	8"	1	20
01370	HD Straight Shank 1/4" x 4"	2-3/4"	1	100
01372	HD Straight Shank 1/4" x 6"	4"	1	-
01380	HD Straight Shank 3/8" x 6"	4"	1	-
01384	HD Straight Shank 3/8" x 13"	11"	1	-
01390	HD Straight Shank 1/2" x 6"	4"	1	-
01394	HD Straight Shank 1/2" x 13"	11"	1	50













RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28
DCF883L2	Impact Wrench 3/8"	29
DCF880M2	Impact Wrench 1/2"	29
DCF899P2	Impact Wrench 1/2", High Torque	29

ACCESSORIES

TYPE	PAGE
Hand Pump/-Dust Blower	35
Impact Rated Sockets	by diameter 33

Screw-Bolt™ Installation System

Zinc Plated Screw-Bolt+™		Mechanically Galvanized Screw-Bolt+™				20V Max** SDS Plus Rotary Hammers			Flexvolt® SDS Max	20V Max** Impact Wrenches		
												
ZINC PLATED CATALOG #	GALVANIZED CATALOG #	ANCHOR	LENGTH	HOLE SIZE	SOCKET SIZE	DCH273P2DH 1\" L-SHAPE	DCH133M2 1\" D-HANDLE	DCH293R2 1-1/8\" L-SHAPE W/ E-CLUTCH	DCH481X2 1-9/16\" W/ E-CLUTCH	DCF883L2 3/8\" IMPACT WRENCH	DCF880M2 1/2\" IMPACT WRENCH	DCF899P2 HIGH TORQUE 1/2\" (SPEED #2)
												
*PFM1411000	-	1/4" x 1-1/4"	1-1/4"	1/4"	7/16"	DW5517	DW5417	DW5417	-	DWMT74479B	-	-
PFM1411020	-	1/4" x 1-3/4"	1-3/4"	1/4"	7/16"	DW5517	DW5417	DW5417	-	DWMT74479B	-	-
PFM1411060	-	1/4" x 2-1/4"	2-1/4"	1/4"	7/16"	DW5517	DW5417	DW5417	-	DWMT74479B	-	-
PFM1411080	-	1/4" x 2-5/8"	2-5/8"	1/4"	7/16"	DW5517	DW5417	DW5417	-	DWMT74479B	-	-
PFM1411100	-	1/4" x 3"	3"	1/4"	7/16"	DW5517	DW5417	DW5417	-	DWMT74479B	-	-
*PFM1411160	-	3/8" x 1-3/4"	1-3/4"	3/8"	9/16"	DW5527	DW5427	DW5427	-	-	DWMT75122B	-
PFM1411220	-	3/8" x 2-1/2"	2-1/2"	3/8"	9/16"	DW5527	DW5427	DW5427	-	-	DWMT75122B	-
PFM1411240	PFM1461240	3/8" x 3"	3"	3/8"	9/16"	DW5527	DW5427	DW5427	-	-	DWMT75122B	-
PFM1411280	PFM1461280	3/8" x 4"	4"	3/8"	9/16"	DW5527	DW5427	DW5427	-	-	DWMT75122B	-
PFM1411300	PFM1461300	3/8" x 5"	5"	3/8"	9/16"	DW5529	DW5429	DW5429	-	-	DWMT75122B	-
PFM1411320	PFM1461320	3/8" x 6"	6"	3/8"	9/16"	DW5529	DW5429	DW5429	-	-	DWMT75122B	-
*PFM1411340	-	1/2" x 2"	2"	1/2"	3/4"	DW5537	DW5437	DW5437	-	-	-	DWMT75113B
PFM1411360	-	1/2" x 2-1/2"	2-1/2"	1/2"	3/4"	DW5537	DW5437	DW5437	-	-	-	DWMT75113B
PFM1411380	-	1/2" x 3"	3"	1/2"	3/4"	DW5537	DW5437	DW5437	-	-	-	DWMT75113B
PFM1411420	PFM1461420	1/2" x 4"	4"	1/2"	3/4"	DW5537	DW5437	DW5437	-	-	-	DWMT75113B
PFM1411460	PFM1461460	1/2" x 5"	5"	1/2"	3/4"	DW5538	DW5438	DW5438	-	-	-	DWMT75113B
PFM1411480	PFM1461480	1/2" x 6"	6"	1/2"	3/4"	DW5538	DW5438	DW5438	-	-	-	DWMT75113B
PFM1411520	PFM1461520	1/2" x 8"	8"	1/2"	3/4"	DW5538	DW5438	DW5438	-	-	-	DWMT75113B
*PFM1411540	-	5/8" x 3"	3"	5/8"	15/16"	DW5471	DW5446	DW5471	DW5806	-	-	DWMT75104B
PFM1411580	-	5/8" x 4"	4"	5/8"	15/16"	DW5471	DW5446	DW5471	DW5806	-	-	DWMT75104B
PFM1411600	PFM1461600	5/8" x 5"	5"	5/8"	15/16"	DW5471	DW5446	DW5471	DW5806	-	-	DWMT75104B
PFM1411640	PFM1461640	5/8" x 6"	6"	5/8"	15/16"	DW5471	DW5446	DW5471	DW5806	-	-	DWMT75104B
PFM1411680	PFM1461680	5/8" x 8"	8"	5/8"	15/16"	DW5471	DW5447	DW5471	DW5806	-	-	DWMT75104B
*PFM1411700	-	3/4" x 3"	3"	3/4"	1-1/8"	DW5474	DW5453	DW5474	DW5810	-	-	DWMT75125B
*PFM1411720	-	3/4" x 4"	4"	3/4"	1-1/8"	DW5474	DW5453	DW5474	DW5810	-	-	DWMT75125B
PFM1411760	-	3/4" x 5"	5"	3/4"	1-1/8"	DW5474	DW5453	DW5474	DW5810	-	-	DWMT75125B
PFM1411800	PFM1461800	3/4" x 6"	6"	3/4"	1-1/8"	DW5474	DW5453	DW5474	DW5810	-	-	DWMT75125B
PFM1411840	PFM1461850	3/4" x 8"	8"	3/4"	1-1/8"	DW5474	DW5455	DW5474	DW5810	-	-	DWMT75125B
PFM1411880	-	3/4" x 10"	10"	3/4"	1-1/8"	DW5475	DW5455	DW5475	DW5812	-	-	DWMT75125B

* denotes sizes which are less than the minimum standard anchor length for Strength Design. The published size length of the anchor is measured from under the head.

Maximum **Optimum** - (Not Recommended)
 ** Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

CAST-IN-PLACE ROD HANGER

ANCHORS
ENGINEERED BY
Powers

Wood-Knocker® II+

Type	Cast-In-Place Concrete Insert
Approvals	ICC-ES ESR-3657 (Concrete) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Installs onto wooden forms used to support poured concrete slabs
Base Materials	Normal and lightweight concrete
Anchor Material	Carbon steel and engineered plastic



WOOD-KNOCKER II+				
CAT #	INSERT SIZE	ROD SIZE	COLOR	QTY
PFM2521100	1/4"	1/4"	Brown	100
PFM2521150	3/8"	3/8"	Green	100
PFM2521200	1/2"	1/2"	Yellow	100
PFM2521250	5/8"	5/8"	Red	100
PFM2521300	3/4"	3/4"	Purple	100
PFM2521350	3/8" & 1/2"	3/8" & 1/2"	Gray	100

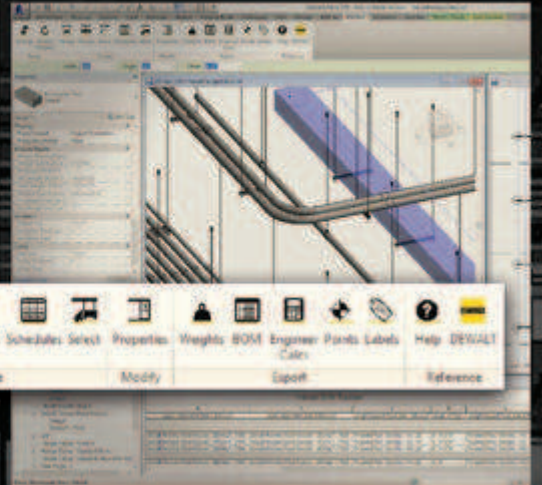


WOOD-KNOCKER II+ NO NAILS				
CAT #	INSERT SIZE	ROD SIZE	COLOR	QTY
PFM2521100NN	1/4"	1/4"	Brown	100
PFM2521150NN	3/8"	3/8"	Green	100
PFM2521200NN	1/2"	1/2"	Yellow	100
PFM2521250NN	5/8"	5/8"	Red	100
PFM2521300NN	3/4"	3/4"	Purple	100
PFM2521300NN	3/8" & 1/2"	3/8" & 1/2"	Gray	100

ACCESSORIES		PAGE
TYPE		
Hammer	refer to page	33



HangerWorks™ SOFTWARE



PLUG-IN FOR REVIT™ Automated Placement & Design of MEP Hangers

Automates placement and engineering design of hangers and seismic bracing for MEP systems.

- Prefabrication Sheets
- Total Station Layout Points
- Bill of Materials
- Engineering Reports

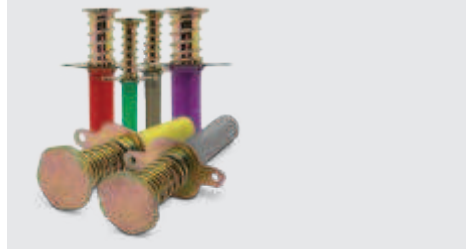
For more information:
http://anchors.dewalt.com/anchors/tech-support-software/hangerworks_plugin_for_revit.php

CAST-IN-PLACE ROD HANGER

ANCHORS
ENGINEERED BY
Powers

Bang-It®+

Type	Cast-In-Place Concrete Insert
Approvals	ICC-ES ESR-3657 (Concrete) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Installs through predrilled pan deck used to support poured concrete slabs
Base Materials	Normal and lightweight concrete
Anchor Material	Carbon steel and engineered plastic



BANG-IT+

CAT #	INSERT SIZE	ROD SIZE	COLOR	QTY
07540	1/4"	1/4"	Brown	100
07542	3/8"	3/8"	Green	100
07544	1/2"	1/2"	Yellow	100
07546	5/8"	5/8"	Red	50
07548	3/4"	3/4"	Purple	50
07543	3/8" & 1/2"	3/8" & 1/2"	Gray	100

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCD991P2	Hammerdrill	29
DCF887M2	Impact Driver	29

ACCESSORIES

CAT #	TYPE	SIZE	QTY
D180014IR	Impact Rated Hole Saw	7/8"	
D180020IR	Impact Rated Hole Saw	1-1/4"	
DWA1786IR	Impact Rated Step Drill Bit	3/16" - 7/8"	
DWA1787IR	Impact Rated Step Drill Bit	3/4" - 1-7/8"	
07560	Bang-It Stand Up Pole Tool	29"	1
07562	Carbide Hole Saw	13/16"	10
07564	Carbide Hole Saw	1-3/16"	10
07566	Centerbit with Spring Replacement		1

DDI™+ (DEWALT DECK INSERT)

Type	Rod Hanging Anchor
Approvals	ICC-ES ESR-3958 (Concrete) Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Installs through predrilled pan deck used to support poured concrete slabs
Base Materials	Normal and lightweight concrete over steel deck
Anchor Material	Plain and zinc plated carbon steel



DDI+

#	ANCHOR/ROD SIZE	DRILL DIA	INSERT QTY	ROD COUPLING NUT
PFM2511100	3/8"	7/16"	20	030007
PFM2511110	1/2"	9/16"	20	030009
PFM2511120	5/8"	11/16"	20	030010
PFM2511130*	3/4"	13/16"	12	030011
PFM2511140*	7/8"	15/16"	12	030012

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCD991P2	Drill / Driver	29
DCF887M2	Impact Driver	29

ACCESSORIES

CAT #	TYPE	SIZE
D180014IR	Impact Rated Hole Saw	7/8"
DWA1786IR	Impact Rated Step Drill Bit	3/16" - 7/8"
DWA1787IR	Impact Rated Step Drill Bit	3/4" - 1-7/8"
DW2218IR	Impact Rated Magnetic Nut Driver	1/4"
DWA2221IR	Impact Rated Cleanable Nut Driver	1/4"

* Non Approved Size



ROD HANGER ANCHORS

ANCHORS
ENGINEERED BY
Powers

Mini-Undercut+™

Type	Undercut Anchor
Approvals	ICC-ES ESR-3912 (Concrete); IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Description	Transfers load mainly through bearing, not dependent upon friction between the expansion sleeve and the concrete.
Base Materials	Post-tension concrete (PT slabs), hollow-core precast concrete, normal-weight concrete, sand-lightweight concrete and concrete over steel deck
Anchor Material	Carbon steel



MINI UNDERCUT ANCHOR					
CAT #	ANCHOR SIZE	ROD DIA	DRILL DIA	QTY	MSTR QTY
PFM2111820	3/8" x 3/4"	3/8"	5/8"	100	600



ACCU-BIT					
CAT #	STOP BIT SIZE	ROD DIA	DRILL DIA	DRILL DEPTH	QTY
PPA2431720	5/8" x 3/4"	3/8"	5/8"	3/4"	1



SDS SETTING TOOL			
CAT #	SETTING TOOL SIZE	ROD DIA	QTY
PFM2101720	5/8" x 3/4"	3/8"	10

RECOMMENDED INSTALLATION POWER TOOLS		
CAT #	TYPE	PAGE
DCH273P2	SDS+ Cordless Rotary Hammer	28

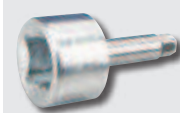
ACCESSORIES		
CAT #	TYPE	PAGE
DWH050K	Dust Extraction Hole Cleaning	34

Snake+®

Type	Internally Threaded Screw Anchor
Approvals	ICC-ES ESR-2272 (Concrete) IBC & IRC 2015, 2012, 2009 Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors) Full FM listings in product brochure or at www.DEWALT.com
Description	Self-tapping
Base Materials	Normal and sand-lightweight concrete, concrete over metal deck
Anchor Material	Carbon steel



SNAKE+					
CAT #	SIZE	MIN HOLE DEPTH	INTERNAL THREAD DEPTH	QTY	MSTR
6400SD	1/4"	1-5/8"	22/32"	100	1000
6401SD	3/8"	1-5/8"	11/16"	50	500
6403SD	1/2"	2-1/2"	29/32"	50	300



EXTRA SNAKE & SNAKE+ SETTING TOOLS			
CAT #	SIZE	QTY	MSTR
6402SD	1/4"	1	100
6407SD	3/8"	1	250
6404SD	1/2"	1	250

RECOMMENDED INSTALLATION POWER TOOLS		
CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCF880M2	Impact Wrench	29

ACCESSORIES		
TYPE		PAGE
SDS+ Carbide Drill Bits	by diameter/length	30



ROD HANGER ANCHORS



Smart DI Anchor (Drop-In)

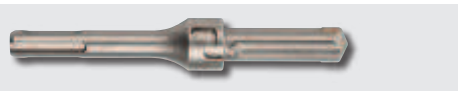
Type	Internally Threaded Expansion Anchor
Approvals	Full FM & UL listings in product brochure or at www.DeWALT.com
Description	Patented plug design yields more expansion at anchor bottom Smart Drill and DI tool reduce drilling/setting effort
Base Materials	Concrete
Anchor Material	Carbon steel



SMART DI			
CAT #	SIZE	QTY	MSTR
6304SD	1/4"	100	1000
6306SD	3/8"	50	500
6308SD	1/2"	50	300



DI TOOL			
CAT #	SIZE	QTY	MSTR
00425SD	1/4"	1	6
00427SD	3/8"	1	6
00429SD	1/2"	1	6



DRILL			
CAT #	SIZE	QTY	MSTR
00391SD	3/8" (for 1/4" Smart DI)	1	12
00397SD	1/2" (for 3/8" Smart DI)	1	12
00410SD	5/8" (for 1/2" Smart DI)	1	12



DI REPLACEMENT PARTS		
CAT #	FITS TOOL	KIT CONTENTS
00426SD	00425SD	1 Rubber Spring Plug, 2 Guide Screws
00428SD	00427SD	Rubber Spring Plug, 2 Guide Screws
00430SD	00430SD	Rubber Spring Plug, 2 Guide Screws

SMART DI AVAILABLE IN JARS		
CAT #	SIZE	QTY
J6304SD	1/4"	100
J6306SD	3/8"	50
J6308SD	1/2"	50

RECOMMENDED INSTALLATION POWER TOOLS		
CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28

Hollow-Set® Dropin

Type	Internally Threaded Expansion Anchor
Approvals	Full UL listings in product brochure or at www.DeWALT.com
Description	For anchoring in hollow base materials Overcomes spalling issues
Base Materials	Concrete, block, brick, pre-cast hollow core plank and stone
Anchor Material	Zamac alloy with carbon or stainless steel cones

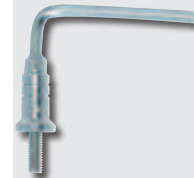


ZAMAC BODY WITH CARBON STEEL CONE						
CAT #	SIZE	DRILL DIA	OVERALL LEN	SLEEVE LEN	QTY	MSTR
9320	1/4"	3/8"	7/8"	5/8"	100	1000
9330	5/16"	5/8"	1-5/16"	15/16"	50	300
9340	3/8"	5/8"	1-5/16"	15/16"	50	300
9350	1/2"	3/4"	1-3/4"	1-1/4"	50	250
9360	5/8"	1"	2"	1-1/2"	25	125

ZAMAC BODY WITH STAINLESS STEEL CONE						
CAT #	SIZE	DRILL DIA	OVERALL LEN	SLEEVE LEN	QTY	MSTR
9420	1/4"	3/8"	7/8"	5/8"	100	1000
9440	3/8"	5/8"	1-5/16"	15/16"	100	500



SOLID BASE MATERIAL SETTING TOOLS			
CAT #	SIZE	QTY	MSTR
09322	1/4"	1	200
09342	5/16" & 3/8"	1	50
09352	1/2"	1	25
09362	5/8"	1	-



HOLLOW BASE MATERIAL SETTING TOOLS			
CAT #	SIZE	QTY	MSTR
09323	1/4"	1	50
09333	5/16"	1	50
09343	3/8"	1	50
09353	1/2"	1	50
09363	5/8"	1	-

RECOMMENDED INSTALLATION POWER TOOLS		
CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28

ACCESSORIES		
TYPE		PAGE
SDS+ Carbide Drill Bits	by diameter/length	30
Hammer	refer to page	33
Torque Wrench	refer to page	33

ROD HANGER ANCHORS

ANCHORS
ENGINEERED BY
Powers

Mini Drop-In

Type	Internally Threaded Expansion Anchor
Approvals	Full FM listings in product brochure or at www.DEWALT.com
Description	Machine bolt anchor for shallow embedment applications
Base Materials	Pre-cast hollow core plank, concrete
Anchor Material	Carbon steel



MINI DROP-IN

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06335	1/4"	3/8"	5/8"	3/8"	100	1000
06322	3/8"	1/2"	3/4"	13/32"	100	1000
06337	1/2"	5/8"	1"	5/8"	50	250



SETTING TOOLS FOR MINI DROP-IN ANCHORS

CAT #	SIZE	QTY	MSTR
06336	1/4"	1	50
06323	3/8"	1	50
06338	1/2"	1	50



SDS-PLUS ACCU-BIT FOR MINI DROP-IN

CAT #	SIZE	QTY
DWA5491	SDS-Plus 3/8" for 1/4" Mini Drop-In	1
DWA5492	SDS-Plus 1/2" for 3/8" Mini Drop-In	1
DWA5494	SDS-Plus 5/8" for 1/2" Mini Drop-In	1

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits by diameter/length	30

Steel-Dropin™

Type	Internally Threaded Expansion Anchor
Approvals	Full UL listings in product brochure or at www.DEWALT.com
Description	Machine bolt anchor
Base Materials	Solid concrete, solid block, hard stone
Anchor Material	Carbon Steel, Type 303 Stainless Steel and Type 316 Stainless Steel Coil thread version available for forming applications



CARBON STEEL DROP-IN (SMOOTH WALL)

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06304	1/4"	3/8"	1"	7/16"	100	1000
06306	3/8"	1/2"	1-9/16"	5/8"	50	500
06308	1/2"	5/8"	2"	13/16"	50	300
06320	5/8"	7/8"	2-1/2"	1-3/16"	25	125
06312	3/4"	1"	3-3/16"	1-3/8"	10	50

CARBON STEEL FLANGED DROP-IN (LIPPED)

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06324	1/4"	3/8"	1"	7/16"	100	1000
06326	3/8"	1/2"	1-9/16"	5/8"	50	500
06328	1/2"	5/8"	2"	13/16"	50	300

CARBON STEEL KNURLED WALL DROP-IN

CAT #	SIZE	DRILL DIA	OVERALL LEN	THREAD DEPTH	QTY	MSTR
06340	1/4"	3/8"	1"	7/16"	100	1000
06342	3/8"	1/2"	1-9/16"	5/8"	50	500
06344	1/2"	5/8"	2"	13/16"	50	250

TYPE 303 STAINLESS STEEL DROP-IN

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06204	1/4"	3/8"	1"	7/16"	100	1000
06206	3/8"	1/2"	1-9/16"	5/8"	50	500
06208	1/2"	5/8"	2"	13/16"	50	300
06210	5/8"	7/8"	2-1/2"	1-3/16"	25	125
06212	3/4"	1"	3-3/16"	1-3/8"	10	50

TYPE 316 STAINLESS STEEL DROP-IN

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06224	1/4"	3/8"	1"	7/16"	100	1000
06226	3/8"	1/2"	1-9/16"	5/8"	50	500
06228	1/2"	5/8"	2"	13/16"	50	300
06230	5/8"	7/8"	2-1/2"	1-3/16"	25	125
06232	3/4"	1"	3-3/16"	1-3/8"	10	50

CARBON STEEL COIL THREAD DROP-IN

CAT #	SIZE	DRILL DIA	MIN DEPTH	THREAD DEPTH	QTY	MSTR
06330	1/2"	5/8"	2"	13/16"	50	300
06332	3/4"	1"	3-3/16"	1-3/8"	10	50

DROP-IN 304SS AND 316SS

CAT #	TYPE	SIZE	CTN	MSTR
6204USA	303SS	1/4"	100	1000
6206USA	303SS	3/8"	50	500



CAT #	TYPE	SIZE	CTN	MSTR
6208USA	303SS	1/2"	50	300
6210USA	303SS	5/8"	25	125
6212USA	303SS	3/4"	10	50
6224USA	316SS	1/4"	100	1000
6226USA	316SS	3/8"	50	500
6228USA	316SS	1/2"	50	300
6230USA	316SS	5/8"	25	125
6304USA	Carbon Steel	1/4"	100	1000
6306USA	Carbon Steel	3/8"	50	500
6308USA	Carbon Steel	1/2"	50	300
6320USA	Carbon Steel	5/8"	25	125
6312USA	Carbon Steel	3/4"	10	50

STEEL-DROPIN AVAILABLE IN JARS



CAT #	SIZE	QTY
J6304SD	1/4"	100
J6306SD	3/8"	50
J6308SD	1/2"	50



SETTING TOOLS FOR STEEL DROP-IN ANCHORS

CAT #	SIZE	QTY	MSTR
06305	1/4"	1	250
06307	3/8"	1	100
06309	1/2"	1	100
06311	5/8"	1	50
06313	3/4"	1	25

SDS-PLUS STOP BIT FOR DROP-IN

CAT #	SIZE	QTY
DWA5491	3/8" for 1/4" Drop-In	1
DWA5493	1/2" for 3/8" Drop-In	1
DWA5495	5/8" for 1/2" Drop-In	1

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCH293R2	SDS+ Cordless Rotary Hammer (lg)	28

ACCESSORIES

TYPE	PAGE
SDS+ Carbide Drill Bits by diameter/length	30
Hammer refer to page	33

ROD HANGER ANCHORS



Hangermate®+ for Concrete and Hangermate® for Wood

Type	Rod Hanging Anchor
Approvals	ICC-ES ESR-3889 (Concrete)
Concrete	IBC & IRC 2015, 2012, 2009
	Recognition in cracked & uncracked concrete including seismic and wind loading (Category 1 Anchors)
Wood	Full FM & UL listings in product brochure or at www.DEWALT.com
Description	Rod hanging anchors in a wide range of styles
Base Materials	Concrete Wood
Anchor Material	Carbon Steel



HANGERMATE+ - CONCRETE - INTERNALLY THREADED - VERTICAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2211100	1/4" x 1-5/8"	1/4"	PFM1491050	25	125
PFM2211200	1/4" x 1-5/8"	3/8"	PFM1491100	25	125
PFM2211250	1/4" x 2-1/2"	3/8"	PFM1491100	25	125



VERTIGO+ FOR CONCRETE [APPROVED]

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
7182SD	3/8" x 2-1/8"	1/2"	07198	50	250



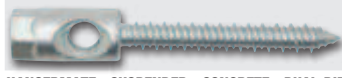
HANGERMATE+ FOR CONCRETE - EXTERNALLY THREADED - VERTICAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM1421000	1/4" x 1-5/8"	3/8"	DW22862	25	125
PFM1421050	1/4" x 2-1/2"	3/8"	DW22862	25	125



HANGERMATE+ PIVOT - CONCRETE - ANGLED APPLICATIONS

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2281300	1/4" x 2"	3/8"	PFM2201250	25	125



HANGERMATE+ SUSPENDER - CONCRETE - DUAL-DIRECTIONAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2271050	5/16" x 2-1/4"	3/8"	PFM2201300	25	125

RECOMMENDED INSTALLATION POWER TOOLS

TYPE	CAT #	DETAILS	PAGE
Rotary Hammer	DCH273P2DH		20
Impact Driver	DCF887D2		21
Impact Wrench	DCF883M2		21
Rod Cutter	DCS350D2		21

ACCESSORIES

TYPE	CAT #	CTN	MSTR
1/4" Rod Hanger Socket Driver	PFM1491050	5	25
3/8" Rod Hanger Socket Driver	PFM1491100	5	25
Suspender Driver	PFM2201300	5	25
Pivot Driver	PFM2201250	5	25
1/2" Adapter Wood / Concrete / Steel	PFM2201050		25
Vertigo Socket 1/4"	07195	5	25
Vertigo Socket 1/2"	07198	5	25
1/2" Impact Rated Deep Socket	DWMT73934B		see page 25
SDS+ Carbide Drill Bit	by diameter/length		see page 22



HANGERMATE - WOOD - VERTICAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2251000	1/4" x 2"	1/4"	PFM2201150	25	125
PFM2251050	1/4" x 1"	3/8"	PFM2201150	25	125
PFM2251100	1/4" x 2"	3/8"	PFM2201150	25	125
PFM2251150	5/16" x 2-1/2"	3/8"	PFM2201150	25	125
PFM2251200	1/4" x 3"	3/8"	PFM2201150	25	125
PFM2251250	1/4" x 4"	3/8"	PFM2201150	25	125
PFM2251300	15/16" x 2-1/2"	1/2"	PFM2201150	25	125



HANGERMATE - WOOD - HORIZONTAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2261000	1/4" x 1"	1/4"	PFM2201150	25	125
PFM2261050	1/4" x 1"	3/8"	PFM2201150	25	125
PFM2261100	1/4" x 2"	3/8"	PFM2201150	25	125
PFM2261150	5/16" x 2-1/2"	3/8"	PFM2201150	25	125



HANGERMATE PIVOT - WOOD - ANGLED APPLICATIONS

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2281100	1/4" x 2"	3/8"	PFM2201250	25	125



HANGERMATE SUSPENDER - WOOD - DUAL-DIRECTIONAL

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2271000	5/16" x 2-1/4"	3/8"	PFM2201300	25	125



HANGERMATE - WOOD - ACOUSTICAL CEILING SCREW EYELET

CAT #	DESCRIPTION	ROD	DRIVER	CTN	MSTR
PFM2251500	1/4" x 2"		PFM2201350	25	125

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCH133M2	SDS+ Cordless Rotary Hammer	28
DCH273P2	SDS+ Cordless Rotary Hammer	28
DCF6102S2	Screwdriver	29
DCD790D2	Drill/Driver	29
DCD990M2	Drill/Driver	29
DCD995M2	Hammerdrill	29

ACCESSORIES

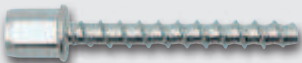
CAT #	TYPE	QTY
PFM2201150	Powers Wood Socket Driver	5
PFM2201300	Suspender Driver	5
PFM2201250	Pivot Driver	5
PFM2201350	Ceiling Screw Eyelet Driver	5
PFM2201100	Hangermate Pole Tool Kit	5
PFM2201050	1/2" Adapter Wood / Concrete / Steel	25

No pre-drilling necessary for Hangermate+ for wood application

Refer to next page for Hangermate+ for Concrete and for Wood System recommendations



Hangermate®+ for Concrete System



HANGERIMATE+ FOR CONCRETE - INTERNALLY THREADED

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*In 2,500psi uncracked concrete										
PFM221100	1/4" x 1-5/8"	Vertical	1/4"	PFM1491050	2,835	-	-	4"	1,475	ESR-3889
PFM2211200	1/4" x 1-5/8"	Vertical	3/8"	PFM1491100	2,835	-	-	4"	1,475	ESR-3889
PFM2211250	1/4" x 2-1/2"	Vertical	3/8"	PFM1491100	3,650	-	-	4"	1,475	ESR-3889



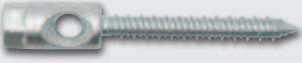
HANGERIMATE+ FOR CONCRETE - EXTERNALLY THREADED

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*In 2,500psi uncracked concrete										
PFM1421000	1/4" x 1-5/8"	Vertical	3/8"	DW22862	2,835	-	-	4"	1,475	ESR-3889
PFM1421050	1/4" x 2-1/2"	Vertical	3/8"	DW22862	3,650	-	-	4"	1,475	ESR-3889



HANGERIMATE+ PIVOT FOR CONCRETE - ANGLED APPLICATIONS

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*In 2,500psi uncracked concrete										
PFM228130	1/4 x 2"	Variable	3/8"	PFM2201250	2,830 (Vertical) 990 (45°)	-	-	-	-	-



HANGERIMATE+ SUSPENDER FOR CONCRETE - DUAL-DIRECTIONAL

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*In 3,650psi uncracked concrete										
PFM2271050	5/16" x 2-1/4"	Vertical & Horizontal	3/8"	PFM2201300	2,188 (Vertical) 2,767 (Horizontal)	-	-	-	-	-

Hangermate® for Wood System



HANGERIMATE FOR WOOD - VERTICAL

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*Ultimate Loads In Douglas Fir										
PFM2251000	1/4" x 2"	Vertical	1/4"	PFM2201150	1,510	-	-	-	-	-
PFM2251050	1/4" x 1"	Vertical	3/8"	PFM2201150	685	-	-	-	-	-
PFM2251100	1/4" x 2"	Vertical	3/8"	PFM2201150	1,510	3"	1,050	-	-	-
PFM2251150	5/16" x 2-1/2"	Vertical	3/8"	PFM2201150	2,670	4"	1,500	4"	1,475	-
PFM2251200	1/4" x 3"	Vertical	3/8"	PFM2201150	2,075	3"	1,050	-	-	-
PFM2251250	1/4" x 4"	Vertical	3/8"	PFM2201150	2,075	3"	1,050	-	-	-
PFM2251300	15/16" x 2-1/2"	Vertical	1/2"	PFM2201150	2,670	-	-	-	-	-



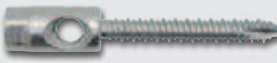
HANGERIMATE FOR WOOD - HORIZONTAL

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*Ultimate Loads In Douglas Fir										
PFM2261000	1/4" x 1"	Horizontal	1/4"	PFM2201150	685	-	-	-	-	-
PFM2261050	1/4" x 1"	Horizontal	3/8"	PFM2201150	685	-	-	-	-	-
PFM2261100	1/4" x 2"	Horizontal	3/8"	PFM2201150	1,800	3"	1,050	-	-	-
PFM2261150	5/16" x 2-1/2"	Horizontal	3/8"	PFM2201150	1,450	3"	1,050	-	-	-



HANGERIMATE PIVOT FOR WOOD - ANGLED APPLICATIONS

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT. TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*Ultimate Loads In Douglas Fir										
PFM2281100	1/4" x 2"	Variable	3/8"	PFM2201250	1,470 (Vertical) 1,154 (45°)	-	-	-	-	-



HANGERIMATE SUSPENDER FOR WOOD - DUAL-DIRECTIONAL

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*Ultimate Loads In Douglas Fir										
PFM2271000	5/16" x 2-1/4"	Vertical & Horizontal	3/8"	PFM2201300	2,487	4"	1,500	4"	1,475	-




HANGERIMATE FOR WOOD - ACOUSTICAL CEILING SCREW EYELET

						APPROVALS				
						UL		FM APPROVED		ICC ES
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	ULT TENSILE LOAD (LBS)*	PIPE SIZE	LOAD	PIPE SIZE	LOAD	ICC-ES
*Ultimate Loads In Douglas Fir										
PFM2251500	1/4" x 3"	Vertical & Horizontal	3/16"	PFM2201350	883	-	-	-	-	-

ROD HANGER ANCHORS

ANCHORS
ENGINEERED BY
Powers

Hangermate® for Steel

Type	Rod Hanging Anchor
Approvals Steel	Full FM & UL listings in product brochure or at www.DeWALT.com
	
Description	Rod hanging anchors in a wide range of styles
Base Materials	Steel
Anchor Material	Carbon steel



HANGERMATE FOR STEEL - VERTICAL

CAT #	DESCRIPTION	ROD	DRIVER	QTY	MSTR
PFM2231000	1/4-20 1" #3	1/4"	PFM2201200	25	125
PFM2231100	1/4-20x1" #3	3/8"	PFM2201200	25	125
PFM223110N	1/4-20 x 1" #3/nut	3/8"	PFM2201200	25	125
PFM2231150	1/4"-20 x 1-1/2" #5	3/8"	PFM2201200	25	125
PFM223115N	1/4-20 x 1-1/2" #5/nut	3/8"	PFM2201200	25	125
PFM2231200	1/4-20 x 1-1/2" #3	3/8"	PFM2201200	25	125
PFM223120N	1/4-20 x 1-1/2" #3/nut	3/8"	PFM2201200	25	125
PFM2231250	1/4-20 x 2" #3	3/8"	PFM2201200	25	125



HANGERMATE FOR STEEL - HORIZONTAL

CAT #	DESCRIPTION	ROD	DRIVER	QTY	MSTR
PFM2241100	1/4-20 x 1" #3	3/8"	PFM2201200	25	125
PFM224110N	1/4-20 x 1" # /nut	3/8"	PFM2201200	25	125
PFM2241150	1/4-20 x 1-1/2" #3	3/8"	PFM2201200	25	125
PFM224115N	1/4-20 x 1-1/2" #3/nut	3/8"	PFM2201200	25	125
PFM2241200	1/4-20 x 1-1/2" #5	3/8"	PFM2201200	25	125
PFM224120N	1/4-20 x 1-1/2" #5/nut	3/8"	PFM2201200	25	125



HANGERMATE PIVOT FOR STEEL - ANGLED APPLICATIONS

CAT #	DESCRIPTION	ROD	DRIVER	QTY	MSTR
PFM2281150	1/4-20x1" #3	3/8"	PFM2201250	25	125
PFM2281200	12-20x1-3/4" #5	3/8"	PFM2201250	25	125
PFM2281250	1/4-14x1" #3	3/8"	PFM2201250	25	125



HANGERMATE SUSPENDER FOR STEEL - DUAL-DIRECTIONAL

CAT #	DESCRIPTION	ROD	DRIVER	QTY	MSTR
PFM227110N	1/4-20 x 1" #3/nut	3/8"	PFM2201300	25	125
PFM227120N	1/4-20 x 1-1/2" #3/nut	3/8"	PFM2201300	25	125
PFM227130N	1/4-20 x 1-1/2" # 5/nut	3/8"	PFM2201300	25	125



HANGERMATE - STEEL - ACOUSTICAL CEILING SCREW EYELET

CAT #	DESCRIPTION	ROD	DRIVER	QTY	MSTR
PFM2231500	1/4" x 3"		PFM2201350	25	125
PFM2231550	1/4" x 3-1/4"		PFM2201350	25	125

RECOMMENDED INSTALLATION POWER TOOLS

CAT #	TYPE	PAGE
DCD991P2	Drill/Driver	29
DCF887D2	Impact Driver	29

ACCESSORIES

CAT #	TYPE	QTY
PFM2201200	Powers Steel Socket Driver	5
PFM2201300	Suspender Driver	5
PFM2201250	Pivot Driver	5
PFM2201350	Ceiling Screw Eyelet Driver	5
PFM2201100	Hangermate Pole Tool Kit	5
PFM2201050	1/2" Adapter Wood / Concrete / Steel	25

No pre-drilling necessary for Hangermate+ for steel application

Refer to next page for Hangermate+ for Steel System recommendations



Hangermate®+ for Steel System


HANGERMATE FOR STEEL - VERTICAL

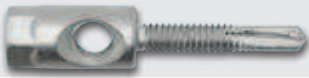
CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	MIN THICKNESS	MAX THICKNESS	ULT TENSILE LOAD (MATERIAL THICKNESS)	LOAD DIRECTION	APPROVALS			
									PIPE SIZE	UL THICKNESS	PIPE SIZE	FM THICKNESS
PFM2231000	1/4-20 1" #3	Vertical	1/4"	PFM2201200	0.060	0.250	2,375 (0.125")	V	4"	0.125"	4"	12 ga.
PFM2231100	1/4-20 x 1" #3	Vertical	3/8"	PFM2201200	0.060	0.250	2,375 (0.125")	V	4"	0.060"	4"	16 ga.
PFM223110N	1/4-20 x 1" #3/nut	Vertical	3/8"	PFM2201200	0.060	0.250	4,690 (0.125")	V	4"	0.125"	4"	12 ga.
PFM2231150	1/4"-20 x 1-1/2" #5	Vertical	3/8"	PFM2201200	0.188	0.250	3,675 (0.188")	V	4"	0.060"	4"	16 ga.
PFM223115N	1/4-20 x 1-1/2" #5/nut	Vertical	3/8"	PFM2201200	0.060	0.250	5,810 (0.188")	V	4"	0.125"	4"	12 ga.
PFM2231200	1/4-20 x 1-1/2" #3	Vertical	3/8"	PFM2201200	0.188	0.250	2,375 (0.125")	V	4"	0.060"	4"	16 ga.
PFM223120N	1/4-20 x 1-1/2" #3/nut	Vertical	3/8"	PFM2201200	0.060	0.250	4,690 (0.125")	V	-	-	4"	0.125"
PFM2231250	1/4-20 x 2" #3	Vertical	3/8"	PFM2201200	0.060	0.250	2,375 (0.125")	V	-	-	-	-


HANGERMATE FOR STEEL - HORIZONTAL

CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	MIN THICKNESS	MAX THICKNESS	ULT TENSILE LOAD (MATERIAL THICKNESS)	LOAD DIRECTION	PIPE SIZE	UL THICKNESS	PIPE SIZE	FM THICKNESS
PFM2241100	1/4-20 x 1" #3	Horizontal	3/8"	PFM2201200	0.060	0.250	2,570 (0.111")	H	-	-	-	-
PFM224110N	1/4-20 x 1" # /nut	Horizontal	3/8"	PFM2201200	0.060	0.250	2,810 (0.111")	H	4"	0.060"	4"	16 ga.
PFM2241150	1/4-20 x 1-1/2" #3	Horizontal	3/8"	PFM2201200	0.060	0.250	2,570 (0.111")	H	-	-	-	-
PFM224115N	1/4-20 x 1-1/2" #3/nut	Horizontal	3/8"	PFM2201200	0.060	0.250	2,810 (0.111")	H	4"	0.060"	4"	16 ga.
PFM2241200	1/4-20 x 1-1/2" #5	Horizontal	3/8"	PFM2201200	0.060	0.500	3,530 (0.188")	H	-	-	-	-
PFM224120N	1/4-20 x 1-1/2" #5/nut	Horizontal	3/8"	PFM2201200	0.060	0.500	2,810 (0.111")	H	4"	0.060"	4"	16 ga.


HANGERMATE PIVOT FOR STEEL - ANGLED APPLICATIONS

CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	MIN THICKNESS	MAX THICKNESS	ULT TENSILE LOAD (MATERIAL THICKNESS)	LOAD DIRECTION	PIPE SIZE	UL THICKNESS	PIPE SIZE	FM THICKNESS
PFM2281150	1/4-20 x 1" #3	Variable	3/8"	PFM2201250	0.060	0.188	3,210 (0.188")	V	-	-	-	-
							975 (0.188")	45°	-	-	-	-
PFM2281200	12-20 x 1-3/4" #5	Variable	3/8"	PFM2201250	0.11	0.188	3,270 (0.188")	V	-	-	-	-
							975 (0.188")	45°	-	-	-	-
PFM2281250	1/4-14 x 1" #3	Variable	3/8"	PFM2201250	0.188	0.5	2,875 (0.188")	V	-	-	-	-
							875 (0.188")	45°	-	-	-	-


HANGERMATE SUSPENDER FOR STEEL - DUAL DIRECTION

CAT #	DESCRIPTION	HANG	ROD SIZE	DRIVER	MIN THICKNESS	MAX THICKNESS	ULT TENSILE LOAD (MATERIAL THICKNESS)	LOAD DIRECTION	PIPE SIZE	UL THICKNESS	PIPE SIZE	FM THICKNESS
PFM227110N	1/4-20 x 1" #3/nut	Vertical & Horizontal	3/8"	PFM2201300	0.060	0.210	4,690 (0.125")	V	4"	0.060"	4"	16 ga.
								H	4"	0.060"	4"	16 ga.
PFM227120N	1/4-20 x 1-1/2" #3/nut	Vertical & Horizontal	3/8"	PFM2201300	0.060	0.210	4,690 (0.125")	V	4"	0.060"	4"	16 ga.
								H	4"	0.060"	4"	16 ga.
PFM227130N	1/4-20 x 1-1/2" #5/nut	Vertical & Horizontal	3/8"	PFM2201300	0.188	0.500	4,690 (0.125")	V	4"	0.060"	4"	16 ga.
								H	4"	0.060"	4"	16 ga.


HANGERMATE SUSPENDER FOR STEEL - ACOUSTICAL CEILING SCREW EYELET

CAT #	DESCRIPTION	ROD SIZE	DRIVER	MIN THICKNESS	MAX THICKNESS	ULT TENSILE LOAD (MATERIAL THICKNESS)	LOAD DIRECTION	PIPE SIZE	UL THICK.	PIPE SIZE	FM THICK.
PFM2251500	1/4" x 3"	3/16"	PFM2201350	-	0.060	590 (0.188")	-	-	-	-	-
PFM2251550	1/4" x 3-1/4"	3/16"	PFM2201350	-	0.060	590 (0.188")	-	-	-	-	-

Loads vary depending on steel thickness. Contact DEWALT for more information.

SELECTION GUIDE



Adhesives

		Page	BASE MATERIAL								ANCHOR DIAMETER								ANCHOR ELEMENTS			CHEMISTRY		HOLE CONDITION		Code Recognition				
			Concrete	Lightweight Concrete	Grout-filled Concrete Masonry	Hollow Concrete Masonry	Solid Brick	Hollow Brick	Stone	Structural Clay / Tile	1/4"	3/8" (#3)	1/2" (#4)	5/8" (#5)	3/4" (#6)	7/8" (#7)	1" (#8)	1-1/4" (# 10)	1-3/8"	1-1/2"	1-3/4"	2"	Plated Carbon Steel	Stainless Steel	Rebar		Epoxy	Ester Based Resin	Polyurethane	MS Polymer
Acrylic Injection Adhesives	AC200+	20	●	●	○		○				●	●	●	●	●	●	●	○	○	○	○	●	●	●	●			●	●	ICC-ES ESR-4027
	AC100+ Gold®	20	●	●	●	●	●	○	○	○	●	●	●	●	●	●	○	○	○	○	○	●	●	●	●			●	●	ICC-ES ESR-2582 ESR-3200 ESR-4015
	AC50™	21	●								●	●	●	●	○	●	○					●	●	●	●			●		
Glass Capsule Adhesives	Hammer-Capsule®	21	●	○	○		○	○		●	●	●	●	●	●						●	●	●	●			●	○	Tested To ICC-ES AC 58	
Epoxy Injection Adhesives	Pure110+®	22	●	●	●	●	●	○	○	○	●	●	●	●	●	●	○	○	○	○	○	●	●	●	●			●	●	ICC-ES ESR-3298
	Pure50+™	22	●	●	○	○	○	○			●	●	●	●	●	●						●	●	●	●			●	●	ICC-ES ESR-3576
	PureGP	23	●	○							●	●	●	●	●	●						●	●	●	●			●	●	
	PE1000+®	23	●	●	●	○	○		○	○	●	●	●	●	●	●	○	○	○	○	○	●	●	●	●			●	●	ICC-ES ESR-2583
Anchor Hardware	Straight Cut Rod		●	●	●	●	●	●	●	●	●	●	●	●	●	●					●	●								
Expansion Foam	PowerFoam™		●	●	●	●	●	●	●																	●				
	TriggerFoam Pro™		●	●	●	●	●	●	●																	●				ICC-ES ESR-3263
Bonding Sealant	PowerStick™		●	●	●	●	●	●	●																	●	●	●		

● Suitable ○ May be Suitable



ACRYLIC ADHESIVES

ANCHORS
ENGINEERED BY
Powers

AC200+®

Type High Performance Two-Component Acrylic

Bonds threaded rod and reinforcing bar hardware elements
Wide installation temperature range with small edge distances and spacings
Fast hardening adhesive; reliable installation yet easy to dispense
High bond strength values
Embedment depths from 4d to 20d

Approvals ICC-ES ESR-4027 (Concrete & PIR)
Conforms to AC308 / ACI 355.4
Compliant with NSF/ANSI Standard 61 for drinking water system components
Department of Transportation listings

Base Materials Normal-weight concrete, grouted concrete masonry, brick
Installation conditions: Dry concrete, water-saturated concrete

Size Range 3/8" to 1-1/4" diameter threaded rod, No.3 to No.10 rebar



AC200+ CARTRIDGES

CAT #	DESCRIPTION	QTY	MSTR	PALLET
PFC1271050	10 fl. oz. Quik-Shot	12	36	648
PFC1271150	28 fl. oz. Dual Cartridge	8	-	240

One mixing nozzle packaged with each cartridge. AC200+ nozzles must be used to ensure complete and proper mixing of the adhesive.

AC200+ EXTRA MIXING NOZZLES

CAT #	FITS CARTRIDGE	CTN	MSTR
PFC1641600	PFC1271050 and PFC1271150	2	24

RECOMMENDED HOLE DRILLING POWER TOOLS

CAT #	TYPE	PAGE
DCH481X2	SDS Max FlexVolt Rotary Hammer	28

CLEANING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	SDS Max Hollow Drill Bits	32
08292	Air Nozzle W/Extension	35
by diameter/length	Premium Brushes (required for max load values)	35
DWW012	Dust Extractor	34
DWH050K	Large Hammer Dust Extraction	34

DISPENSERS

CAT #	TYPE	PAGE
DCE595D1	Cordless - 28oz	35
DCE560D1	Cordless - 10oz	35
08437	Standard Manual - 10oz	35
08494	Standard Manual - 28oz	35
08479	High Performance Manual - 10oz	35
08485	High Performance Manual - 12oz	35
08496	Pneumatic - 28oz	35

DISPENSING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Premium Piston Plugs	36
PFC1640600	Flex Tubing	36

AC100+ Gold®

Type Two-Component Acrylic

Bonds threaded rod and reinforcing bar hardware elements
Consistent performance in low and high strength concrete
Evaluated and recognized for freeze/thaw performance and for a range of embedments in interior and exterior applications
Evaluated and recognized for long term and short term loading
Versatile low odor formula with quick cure time

Approvals ICC-ES ESR-2582 (Concrete); ICC-ES ESR-3200 (Masonry); ESR-4105 (Unreinforced Masonry (URM))
Compliant with NSF/ANSI Standard 61 for drinking water system components
Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes A & B
Department of Transportation listings

Base Materials Normal-weight concrete, grouted and hollow concrete masonry (CMU, brick)
Installation conditions: Dry concrete, water-saturated concrete, water-filled holes

Size Range 3/8" to 1-1/4" diameter threaded rod, No.3 to No.10 rebar



AC100+GOLD CARTRIDGES

CAT #	DESCRIPTION	QTY	MSTR	PALLET
8478SD	10 fl. oz. Quik-Shot	12	-	972
8486SD	12 fl. oz. Dual Cartridge	12	-	864
8490SD	28 fl. oz. Dual Cartridge	8	-	240

One mixing nozzle packaged with each cartridge. AC100+Gold nozzles must be used to ensure complete and proper mixing of the adhesive.

AC100+GOLD EXTRA MIXING NOZZLES

CAT #	FITS CARTRIDGE	QTY	MSTR
08293	8478SD & 8486SD	2	24
08294	8490SD	2	24

RECOMMENDED HOLE DRILLING POWER TOOLS

#	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8" - 1-1/8"	28

DRILLING ACCESSORIES

DRILL BIT	TYPE	PAGE
Standard Carbide Bit	by diameter/length	30/31
Hollow Drill Bit	by diameter/length	30/31

CLEANING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Brushes	35
08280	Hand Pump/Blower	35

DISPENSERS

CAT #	TYPE	PAGE
DCE595D1	Cordless - 28 oz.	35
DCE560D1	Cordless - 10 oz.	35
08437	Standard Manual - 10 oz.	35
08494	Standard Manual - 28 oz.	35
08479	High Performance Manual - 10 oz.	35
08485	High Performance Manual - 12 oz.	35
08496	Pneumatic - 28 oz.	35

DISPENSING ACCESSORIES

TYPE	CAT #	PAGE
Standard Piston Plugs	by diameter/length	36
Flex Tubing	PFC1640600	36

ACRYLIC ADHESIVES



AC50™

Type	Two-Component Acrylic
Approvals	<p>Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes A & B</p> <p>Department of Transportation listings</p>
Base Materials	<p>Normal and lightweight concrete</p> <p>Installation conditions: Dry concrete</p>
Size Range	3/8" to 1" diameter threaded rod, No.3 to No.8 rebar



Bonds threaded rod and reinforcing bar into hardened concrete
 Evaluated for installation and use in dry holes
 Can be installed in a range of base material temperatures (as low as 5°F)



AC50 CARTRIDGES

CAT #	DESCRIPTION	QTY	MSTR	PALLET
08497	28 fl. oz. Dual Cartridge	8	-	240

One mixing nozzle packaged with each cartridge. AC50+ nozzles must be used to ensure complete and proper mixing of the adhesive.

AC50+ MIXING NOZZLES

CAT #	FITS CARTRIDGE	QTY	MSTR
08294	8497	2	24

RECOMMENDED HOLE DRILLING POWER TOOLS

CAT #	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8" - 1-1/8"	28

CLEANING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Brushes	35
08280	Hand Pump/Blower	35

DISPENSERS

#CAT #	TYPE	PAGE
DCE595D1	Cordless - 28oz	35
08494	Standard Manual - 28oz	35
08496	Pneumatic - 28oz	35

DISPENSING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Piston Plugs	36
PFC1640600	Flex Tubing	36

CAPSULE ADHESIVES



Hammer-Capsule

Type	Drive-In Capsule Adhesive
Approvals	<p>Department of Transportation listings</p>
Base Materials	<p>Normal weight concrete and grouted concrete masonry</p>
Size Range	3/8" to 1" diameter threaded rod, No.3 to No.8 rebar



Fast, easy installation - no special adapters required for setting
 Excellent chemical resistance
 Components are mixed during installation of rod or rebar
 Pre-measured chemical component volumes – no waste and simplified placement



HAMMER-CAPSULE

CAT #	DESCRIPTION	QTY	MSTR
06702	3/8" Hammer-Capsule	10	500
06703	1/2" Hammer-Capsule	10	200
06704	5/8" Hammer-Capsule	10	100
06705	3/4" Hammer-Capsule	6	60
06706	7/8" Hammer-Capsule	6	60
06707	1" Hammer-Capsule	6	60

RECOMMENDED HOLE DRILLING POWER TOOLS

CAT #	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8"-1-1/8"	28

DRILLING ACCESSORIES

TYPE		PAGE
Standard Carbide Bit	by diameter/length	30/31
Hollow Drill Bit	by diameter/length	32



EPOXY ADHESIVES

ANCHORS
ENGINEERED BY
Powers

Pure110+®

Type	Two-Component High Strength Epoxy Adhesive
Approvals	ICC-ES ESR-3298 (Concrete & PIR) Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes B & C Compliant with NSF/ANSI 61 for drinking water system components Department of Transportation listings
Base Materials	Normal and lightweight concrete, grouted concrete masonry and hollow concrete masonry Installation conditions: Dry concrete, water-saturated concrete, water-filled holes, submerged concrete
Size Range	3/8" to 1-1/4" diameter threaded rod, No.3 to No.11 rebar

Bonds threaded rod and reinforcing bar into hardened concrete
Evaluated for installation and use in dry and wet holes, including water filled and underwater
Can be installed in a wide range of base material temperatures
Same bond strength at room temperature and at 110°F.



PURE110+ 1:1 MIX RATIO CARTRIDGES				
CAT #	DESCRIPTION	QTY	MSTR	PALLET
08310SD	9 fl. oz. Quik-Shot	12	36	648
08321SD	21 fl. oz. dual cartridge	12	-	360
08351SD	51 fl. oz. dual cartridge	5	-	150



PURE110+ 3:1 MIX RATIO CARTRIDGES				
CAT #	DESCRIPTION	QTY	MSTR	PALLET
08313SD	13 fl. oz. dual cartridge	12	-	624
08320SD	20 fl. oz. dual cartridge	21	-	360

One mixing nozzle packaged with each cartridge. Pure110+ nozzles must be used to ensure complete and proper mixing of the adhesive.

PURE110+ MIXING NOZZLES				
CAT #	FITS CARTRIDGE	QTY	MSTR	
08294	08310SD	2	24	
08609	08321SD, 08313SD, 08320SD	2	24	

RECOMMENDED HOLE DRILLING POWER TOOLS		
CAT #	TYPE	PAGE
DCH481X2	SDS Max FlexVolt Rotary Hammer	28

CLEANING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Brushes	31
DWW012	Dust Extractor	30

DISPENSERS

CAT #	TYPE	PAGE
DCE591D1	Cordless - 21 oz.	31
DCE593D1	Cordless - 20 oz. - 3:1	31
DCE593D1	Cordless - 13 oz. - 3:1	31
DCE560D1	Cordless - 9 oz.	31
08298	Standard Manual - 13 & 20 oz. - 3:1	31
08437	Standard Manual - 9 oz.	31
8409	Standard Manual - 21 oz.	31
08479	High Performance Manual - 9 oz.	31
08421	High Performance Manual - 21 oz.	31
08497SD	Pneumatic - 13 & 20 oz. - 3:1	31
08459	Pneumatic - 21 oz.	31
08438	Pneumatic - 51 oz.	31

DISPENSING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Premium Piston Plugs	32
PFC1640600	Flex Tubing	32

Pure50+™

Type	Two-Component Epoxy Adhesive
Approvals	ICC-ES ESR-3576 (Concrete) Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes B & C (also meets Type III except for elongation) Compliant with NSF/ANSI Standard 61 for Drinking Water System Components Department of Transportation listings
Base Materials	Normal and lightweight concrete Installation conditions: Dry concrete, water-saturated concrete, water-filled holes
Size Range	3/8" to 1-1/4" diameter threaded rod, No.3 to No.10 rebar

Bonds threaded rod and reinforcing bar into hardened concrete
Evaluated for installation and use in dry and wet holes, including water filled
Can be installed in a wide range of base material temperatures



PURE50+ CARTRIDGES				
CAT #	DESCRIPTION	QTY	MSTR	PALLET
08600	9 fl. oz. Quik-Shot	12	36	648
08605	21 fl. oz. dual cartridge	12	-	360
08651	51 fl. oz. dual cartridge	5	-	150

One mixing nozzle packaged with each cartridge. Pure50+ nozzles must be used to ensure complete and proper mixing of the adhesive.

PURE50+ MIXING NOZZLES				
CAT #	FITS CARTRIDGE	QTY	MSTR	
08294	08600, 08605, 06651	2	12	

RECOMMENDED HOLE DRILLING POWER TOOLS		
CAT #	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8" - 1-1/8"	28

DRILLING ACCESSORIES

DRILL BIT		PAGE
Standard Carbide Bit	by diameter/length	26/27
Hollow Drill Bit	by diameter/length	28

DISPENSERS

#	TYPE	PAGE
DCE591D1	Cordless - 21 oz.	35
DCE560D1	Cordless - 9 oz.	35
08437	Standard Manual - 9 oz.	35
8409	Standard Manual - 21 oz.	35
08479	High Performance Manual - 9 oz.	35
08421	High Performance Manual - 21 oz.	35
08459	Pneumatic - 21 oz.	35
08438	Pneumatic - 51 oz.	35

DISPENSING ACCESSORIES


CAT #	TYPE	PAGE
by diameter/length	Premium Piston Plugs	36
PFC1640600	Flex Tubing	36

EPOXY ADHESIVES

ANCHORS
ENGINEERED BY
Powers™

PureGP™

Type Two-Component Epoxy Adhesive

Approvals

 Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes B & C
 Department of Transportation listings

Base Materials Normal weight concrete
 Installation conditions: Dry concrete, Water-saturated concrete

Size Range 3/8" to 1" diameter threaded rod, No.3 to No.8 rebar

Bonds threaded rod and reinforcing bar into hardened concrete
 Evaluated for installation and use in dry and wet holes
 Can be installed in a wide range of base material temperatures



PUREGP CARTRIDGES

CAT #	DESCRIPTION	QTY	MSTR	PALLET
08821	21 fl. oz. dual cartridge	12	-	360

One mixing nozzle packaged with each cartridge. PureGP nozzles must be used to ensure complete and proper mixing of the adhesive.

PUREGP MIXING NOZZLES

CAT #	FITS CARTRIDGE	QTY	MSTR
08294	08600, 08605, 06651	2	12

RECOMMENDED HOLE DRILLING POWER TOOLS

#	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8" - 1-1/8"	28

DRILLING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Carbide Bit	30/31
by diameter/length	Hollow Drill Bit	32

DISPENSERS

CAT #	TYPE	PAGE
DCE591D1	Cordless - 21 oz.	35
8409	Standard Manual - 21 oz.	35
08421	High Performance Manual - 21 oz.	35

DISPENSING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Premium Piston Plugs	35
PFC1640600	Flex Tubing	35

PE1000+®

Type Two-Component High Strength Epoxy Adhesive

Approvals



 ICC-ES ESR-2583 (Concrete)
 Compliant with NSF/ANSI Standard 61 for drinking water system components
 Conforms to ASTM C 881 and AASHTO M235, Types I, II, IV and V, Grade 3, Classes B & C
 Department of Transportation listings

Base Materials Normal and light-weight concrete, grouted concrete masonry (CMU)
 Installation conditions: Dry concrete, water-saturated concrete, water-filled holes

Size Range 3/8" to 1-1/4" diameter threaded rod, No.3 to No.10 rebar

For use with threaded rod and reinforcing bar hardware elements
 Consistent performance in low and high strength concrete
 Recognized for freeze/thaw performance; for long term and short term loading and for variable embedments
 Cartridge design allows for multiple uses using extra mixing nozzles
 Easy dispensing reduces applicator fatigue



PE1000+ CARTRIDGES

CAT #	DESCRIPTION	QTY	MSTR	PALLET
0500SD	13 fl.oz. Dual Cartridge	12	-	624
0502SD	20 fl.oz. Dual Cartridge	12	-	360

One mixing nozzle packaged with each cartridge. PE1000+ nozzles must be used to ensure complete and proper mixing of the adhesive.

PE1000+ MIXING NOZZLES

CAT #	FITS CARTRIDGE	QTY	MSTR
08294	0500SD, 0502SD, 0503SD	2	24

RECOMMENDED HOLE DRILLING POWER TOOLS

CAT #	HOLE SIZE	PAGE
DCH293	5/8" - 7/8"	28
DCH133	5/32" - 5/8"	28
DCH481	5/8" - 1-1/8"	28

DRILLING ACCESSORIES

CAT #	DRILL BIT	PAGE
by diameter/length	Standard Carbide Bit	30/31
by diameter/length	Hollow Drill Bit	32

DISPENSERS

CAT #	TYPE	PAGE
08298	Standard Manual -13 & 20 oz. - 3:1	35
08497SD	Pneumatic Dispenser	35
DCE593D1	Cordless Dispenser (13 oz.)	35

DISPENSING ACCESSORIES

CAT #	TYPE	PAGE
by diameter/length	Standard Piston Plugs	36
PFC1640600	Flex Tubing	36



FOAM ADHESIVES

ANCHORS
ENGINEERED BY
Powers

TriggerFoam™ Pro

Type	Expanding Polyurethane Foam
Approvals	ICC-ES ES UL ICC-ES ESR-3263 Thermal and Moisture Protection and annular space protection for wood fire blocking: FireBlock Formula, Window & Door Formula, All Season Formula Full UL listings in product brochure or at www.DEWALT.com
Base Materials	Concrete, masonry, wood and metal

Professional, gun applied, normal expansion polyurethane foam sealant with an extended temperature range which allows for use at temperatures as low as 23°F. It is designed to seal gaps, insulate and deaden sound. Recommended for use in heating and air conditioning, electrical and plumbing applications.



TRIGGERFOAM PRO			
CAT #	DESCRIPTION	CTN	PALLET
08133P	Fire Block Formula 29 oz.	12	612
08134P	Window & Door Formula 29 oz.	12	612
08135P	All Season Formula 29 oz.	12	612
08136N	Standard Formula 29 oz.	12	612



TRIGGERFOAM PRO DISPENSERS

CAT #	TYPE	QTY	MSTR
08126	20" Dispensing tool	1	-
08128	Deluxe metal gun	1	10
08139	Deluxe plastic gun	1	10

DISPENSING ACCESSORIES

CAT #	TYPE	QTY	MSTR
08147	TriggerFoam Pro Cleaner 17 fl. oz.	1	6



PowerFoam™

Type	Expanding Polyurethane Foam
Approvals	UL Full UL listings in product brochure or at www.DEWALT.com
Base Materials	Concrete, masonry, wood and metal

One-part polyurethane expanding foam that sets and cures into its final form by reacting to moisture and humidity present in the air. PowerFoam's exceptional ability to bond allows it to be applied to various building elements including the surfaces of concrete, brick, block, wood, steel, aluminum and other miscellaneous metals. As it is being dispensed, PowerFoam has a neutral odor. Cured foam is standard yellow.



POWERFOAM			
CAT #	DESCRIPTION	CTN	PALLET
08130N	PowerFoam 12 oz.	12	1020
08132N	PowerFoam 29 oz.	12	612



ADHESIVE SEALANT

ANCHORS
ENGINEERED BY
Powers

PowerStick™

Type	Adhesive Sealant
Base Materials	Concrete, masonry, metals, wood, plastics

One component universal adhesive/sealant based on proprietary MS Polymer chemistry. PowerStick is the first professional grade product on the market that delivers high bond strength and superior flexibility.



POWERSTICK				
CAT #	DESCRIPTION	COLOR	CTN	PALLET
08166N	PowerStick 10 oz.	White	12	1200
08168N	PowerStick 10 oz.	Gray	12	1200

DEWALT®

ENGINEERED BY **Powers™**

20V MAX* Cordless Concrete Nailer

- **GAS-FREE OPERATION:**
Runs on only a DEWALT 20V MAX* battery
- **VARIABLE POWER SETTINGS:**
Versatility for concrete and steel applications
- **BRUSHLESS MOTOR:**
Comparable application speed to gas concrete nailers
- **EASY SERVICEABILITY:**
Field-serviceable driver blade is replaceable by end-user in under 2 minutes



DCN890P2

20V MAX*
LITHIUM ION

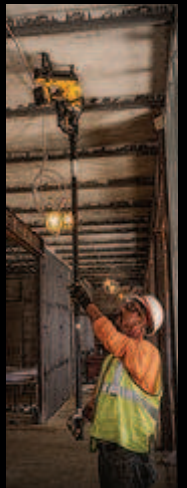


* Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

Accessory pole tool and nose pieces available for mechanical installations



Concrete, Steel, and Hybrid pins available in common lengths of .102", .120", .145", and stepped diameters.



DIRECT FASTENING

Cordless Concrete Nailing System

Type	Cordless Direct Fastening System
Approvals	ICC-ES ESR-4076
Base Materials	Hollow block, concrete and steel
Anchor Size Range	3/4" - 2-1/4" length .102 to .145 diameter
Tool Platform	DeWALT 20V MAX*

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.



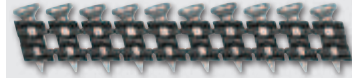
TOOL

CAT #	DESCRIPTION
	20V* MAX Cordless Concrete Nailer (2) DCB205 20V MAX* Premium Lithium Ion Batteries (5Ah)
DCN890P2	(1) DCN8904 Standard / Drywall Contact Trip Charger and Kit Box
DCN890B	20V* MAX Cordless Concrete Nailer (Bare Tool) (1) DCN8904 Standard / Drywall Contact Trip Kit Box



CONCRETE PINS

CAT #	DESCRIPTION	QTY
DCN890075	DeWALT CCN PIN 3/4" x .102" (Z)	1000
DCN890100	DeWALT CCN PIN 1" x .102" (Z)	1000
DCN890125	DeWALT CCN PIN 1-1/4" x .102" (Z)	1000
DCN890150	DeWALT CCN PIN 1-1/2" x .102" (Z)	1000
DCN890225	DeWALT CCN PIN 2-1/4" x .137" (T Z)	500
DCN891075	DeWALT CCN PIN 3/4" x .145" (Z)	1000



STEEL PINS

CAT #	DESCRIPTION	QTY
DCN8910500	DeWALT CCN PIN 1/2" x .120" (T Z)	1000



DCN8907804

CONCRETE / STEEL / HYBRID PINS

CAT #	DESCRIPTION	QTY
DCN8941380	DeWALT CCN PIN 1-3/8" x .108" (K Z)	1000
DCN8910680	DeWALT CCN PIN .680" x .120"/.102" (S YZ)	1000
DCN8917300	DeWALT CCN PIN .730" x .120"/.102" (S YZ)	1000
DCN8907804	DeWALT CCN PIN .780" x .102"/.088" (K S Z)	1000

K: Knurled S: Step T: Tapered Z: Zinc YZ: Yellow Zinc



ACCESSORIES

CAT #	DESCRIPTION
DCN8901	Replacement Driver Blade
DCN8902	Magnetic Stick-E™ Contact Trip (Nose Piece)
DCN8903	Stick-E™ Contact Trip (Nose Piece)
DCN8904	Standard / Drywall Contact Trip (Nose Piece)
DCN8905	Pole Tool



PERFORM PROTECT™

DeWALT's Perform & Protect™ line of tools is designed to provide a high level of one or more of the following: control, dust containment or low vibration, without sacrificing performance.

DUST

OSHA COMPLIANT
1926.1153



- Dust shrouds and dust extractors can decrease the potential of inhaling dust. They can also help increase visibility and reduce cleanup and maintenance costs.
- DeWALT dust systems are compliant through their adherence to OSHA requirements for handheld and stand-mounted drills (including impact and rotary hammer drills).



CONTROL

KICKBACK
BRAKE™

LANYARD
READY™

E-CLUTCH®

- E-Clutch® System helps minimize sudden torque reaction compared to standard clutches.
- Power Loss Reset™ feature prevents accidental re-starts of the tool after a user experiences a power outage such as a tripped breaker or accidental unplugging of the cord when the switch is in the locked-on position.



VIBRATION

SHOCKS™

- SHOCKS-Active Vibration Control® System reduces vibration at the handles compared to hammers without such systems.



**CORDLESS
ROTARY
HAMMERS**



1-9/16" SDS Max FlexVolt Rotary Hammer



SDS+ Rotary Hammer



1-1/8" L-Shape SDS+ Rotary Hammer

	DCH481X2	DCH293X2	DCH293R2
Optimal Concrete Drilling	1/2" to 1-1/8"	5/8" to 7/8"	5/8" to 7/8"
Joules of Impact Energy	6.1	3.5	3.5
RPM	0-540	950	950
BPM	0-3,150	0-4,320	0-4,320
Rotation Control	E-Clutch®	E-Clutch®	E-Clutch®
Battery Voltage	60V (20V)	20V	20V
Battery Ah	3.0 Ah (9.0)	9.0 Ah	6.0 Ah
Weight (lbs.)	13	8.2	8.2
Vibration Control	Yes	Shocks	Shocks
Vibration	9.4 m/s ²	≤ 10 m/s ²	≤ 10 m/s ²
Cordless Dust Collection	Yes	Yes	Yes
Suitable Anchors	PB-PRO Power-Stud SD1, SD2, SD4/6, HD5 Lok-Bolt AS Atomic Undercut+ Screw-Bolt+ Adhesive Anchors	PB+, PB-PRO Power-Stud SD4/6, Lok-Bolt AS Atomic Undercut+ Screw-Bolt+	PB+, PB-PRO, Power-Bolt Power-Stud SD1, SD2, SD4/6, HD5 Lok-Bolt AS Atomic Undercut+ Screw-Bolt+ Steel Dropin, Mini Dropin



1" SDS+ Rotary Hammer



1" SDS+ Rotary Hammer

	DCH273P2	DCH133M2
Optimal Concrete Drilling	5/32" to 1/2"	5/32" to 5/8"
Joules of Impact Energy	2.1	2.6
RPM	0-1,100	0-1,100
BPM	0-4,600	0-4,600
Rotation Control		
Battery Voltage	20V	20V
Battery Ah	5.0	4.0
Weight (lbs.)	6.8	5.5
Vibration Control	Shocks	
Vibration	6.6 m/s ²	≤ 10 m/s ²
Cordless Dust Collection	Yes	D25301D
Suitable Anchors	PB+, PB-PRO, Power-Bolt Power-Stud SD1, SD2, SD4/6, HD5 Lok-Bolt AS Mini-Undercut Screw-Bolt+ Wedg-Bolt 316 Snake+ Smart DI, Hollow-Set Dropin, Steel Dropin, Mini Dropin	PB+, PB-PRO, Power-Bolt Power-Stud SD1, SD2, SD4/6, HD5 Lok-Bolt AS Screw-Bolt+ Snake+ Smart DI, Hollow-Set Dropin, Steel Dropin, Mini Dropin

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

CORDLESS IMPACT WRENCHES



3/8" Cordless Impact Wrench



1/2" Cordless Impact Wrench



1/2" Cordless High Torque Impact Wrench

	DCF883M2	DCF880M2	DCF899P2
No Load Speed	0-2,300	0-2,300	400/ 1200/ 1900
Impacts/Minute	0-2,700	0-2,700	2400
Tool Length	5.70"	5.70"	8.81"
Tool Weight	3.6 Lbs	3.4 Lbs	7.2 Lbs
Charge/Batteries	20V MAX* Lithium Ion 3.0 Ah	20V MAX* Lithium Ion 4.0 Ah	20V MAX* Lithium Ion 5.0 Ah
Suitable Anchors	Screw-Bolt+ Wedge-Bolt 316 Hangermate+ (Concrete)	Screw-Bolt+ Wedge-Bolt 316 Snake+	Screw-Bolt+ Wedge-Bolt 316 Hangermate+ (Concrete)

CORDLESS IMPACT DRIVER



1/4" Cordless Impact Driver

	DCF887D2
Anvil Type	1/4" Hex
Chuck Type	Quick Release
No Load Speed	0-1,000/ 2,800/ 3,250
Impacts/Minute	3,600
Torque	0-240/ 1,500/1,825 In-lbs
Tool Length	5.3"
Charge/Batteries	Fast Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)
Suitable Anchors	Hangermate+ (Concrete / Steel) Bang-It+

CORDLESS SCREWDRIVER



1/4" Cordless Screwdriver

	DCF610S2
Drive	1/4" Hex
Clutch Settings	15
No Load Speed	0-1,050
Max Power	160UWO
Tool Weight	2.2lbs
Tool Length	6.25"
Charge/Batteries	(2) 12V MAX* Lithium Ion
Suitable Anchors	Hangermate+ (Wood)

CORDLESS DRILL/DRIVER

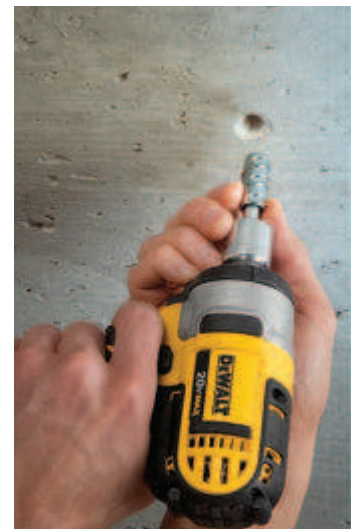


1/2" Cordless Drill Driver

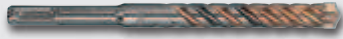


1/2" Cordless Drill Driver

	DCD996P2	DCD991P2
Chuck Size/Type	1/2" / Metal Ratcheting	1/2" / Metal Ratcheting
Clutch Settings	11	
No Load Speed	0-450 / 0-1,300 / 0-2,000 (drill mode) 0-500/0-1500/0-2250 (hammerdrill mode)	0-450 / 0-1300 / 0-2000
Max Power	820 UWO	820 UWO
Speed Settings	3	3
Tool Weight	-	4.6lbs
Charge/Batteries	(2) 20V MAX* XR Lithium Ion (5.0 Ah)	Fast Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)
Suitable Anchors	Hangermate+ (Steel / Wood) Bang-It, DDI+	Hangermate+ (Steel / Wood) Bang-It, DDI+

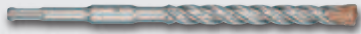


SDS+ DRILL BITS



SDS+ Full Head Carbide

Shank / Tip		CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH
Tool	Rotary hammer with SDS + (slotted drive shaft) type chuck	DW5502	3/16"	2"	4-1/2"	DW5526	5/16"	10"	12"
		DW5503	3/16"	4"	6-1/2"	DW5527	3/8"	4"	6-1/2"
Base Materials	Concrete, block, brick and soft stone	DW5504	3/16"	5"	8-1/2"	DW5529	3/8"	8"	10"
		DW5506	3/16"	10"	12"	DW55300	3/8"	10"	12"
Size Range	5/32" x 6-1/2" to 1-1/8" x 18"	DW5512	7/32"	8"	10"	DW5531	3/8"	16"	18"
		DW5517	1/4"	4"	6"	DW5537	1/2"	4"	6"
Description	High Impact Tip Open Head Elongated 4 Flute Design	DW5518	1/4"	6"	8-1/2"	DW5538	1/2"	8"	10-1/2"
		DW55200	1/4"	10"	12"	DW5539	1/2"	10"	12"
		DW5521	1/4"	12"	14"	DW5540	1/2"	16"	18"
		DW5524	5/16"	4"	6"				



SDS+ 4-Cutter Carbide

Shank / Tip		CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH
Tool	Rotary hammer with SDS + (slotted drive shaft) type chuck	DW5471	5/8"	8"	10"	DW5479	1"	8"	10"
		DW5472	5/8"	16"	18"	DW5480	1"	16"	18"
Base Materials	Concrete, block, brick and soft stone	DW5474	3/4"	8"	10"	DW5481	1-1/8"	8"	10"
		DW5475	3/4"	16"	18"	DW5482	1-1/8"	6"	18"
Size Range	5/8" x 10" to 1-1/8" x 18"	DW5477	7/8"	8"	10"				
		DW5478	7/8"	16"	18"				
Description	High Impact Tip Open Head Elongated 4 Flute Design								



SDS+ Carbide 2-Cutter

Shank / Tip		CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH
Tool	Rotary hammer with SDS + (slotted drive shaft) type chuck	DW5401	5/32	6-1/2	4-1/2	DW5438	1/2	10	8
		DW5400	5/32	4	2	DW5439	1/2	12	10
Base Materials	Concrete, block, brick and soft stone	DW5403	3/16	6-1/2	4-1/2	DW5440	1/2	18	16
		DW5404	3/16	8-1/2	6-1/2	DW5441	1/2	24	22
Size Range	5/32" x 6-1/2" to 1-1/8" x 16"	DW5407	3/16	14	12	DW5442	9/16	6	4
		DW5408	3/16	16	14	DW5443	9/16	12	10
Description	Carbide Tip Four Flute Helix Increased Steel	DW5406	3/16	12	10	DW5444	9/16	18	16
		DW5405	3/16	10	8	DW5445	9/16	24	22
		DW5402	3/16	4	2	DW5446	5/8	8	6
		DW5410	7/32	6	4	DW5448	5/8	18	16
		DW5412	7/32	6	4	DW5447	5/8	12	10
		DW5416	1/4	4	2	DW5450	11/16	8	6
		DW5417	1/4	6	4	DW5449	5/8	24	22
		DW5418	1/4	8-1/2	6-1/2	DW5455	3/4	12	10
		DW5420	1/4	12	10	DW5453	3/4	8	6
		DW5421	1/4	14	12	DW5456	3/4	18	16
		DW5424	5/16	6	4	DW5457	3/4	24	22
		DW5426	5/16	12	10	DW5460	7/8	8	6
		DW5432	3/8	24	22	DW5458	27/32	8	6
		DW5430	3/8	12	10	DW5433	7/16	6	4
		DW5427	3/8	6	4	DW5462	7/8	18	16
		DW5429	3/8	10	8	DW5464	1	10	8
		DW5431	3/8	18	16	DW5466	1	18	16
		DW5435	7/16	12	10	DW5468	1 1/8	10	8
		DW5437	1/2	6	4	DW5469	1 1/8	18	16
		DW5436	7/16	18	16				

SDS-MAX DRILL BITS



SDS-Max 4-Cutter Carbide

Shank / Tip									
		CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	CAT #	DIAMETER	USABLE LENGTH	OVERALL LENGTH
Tool	Rotary hammer with SDS Max (slotted drive shaft) type chuck	DW5806	5/8"	8"	13-1/2"	DW5817	27/32"	16"	21-1/2"
		DW5809	5/8"	16"	21-1/2"	DW5818	1"	8"	13-1/2"
Base Materials	Concrete, block, brick and soft stone	DW5807	5/8"	31"	36"	DW5819	1"	16"	21-1/2"
		DW5808	11/16"	16"	21-1/2"	DW5852	1"	24"	29"
Size Range	5/8" x 13-1/2" to 1-1/4" x 22-1/2"	DW5810	3/4"	8"	13-1/2"	DW5820	1"	31"	36"
		DW5812	3/4"	16"	21-1/2"	DW5821	1-1/8"	10"	15"
Description	Open Head U-Flute Design	DW5813	3/4"	31"	36"	DW5822	1-1/8"	18"	22-1/2"
		DW5814	13/16"	16"	21-1/2"	DW5853	1-1/8"	24"	29"
		DW5815	7/8"	8"	13-1/2"	DW5854	1-1/8"	31"	36"
		DW5816	7/8"	16"	21-1/2"	DW5824	1-1/4"	10"	15"
		DW5851	7/8"	31"	36"	DW5825	1-1/4"	18"	22-1/2"



SDS-Max Carbide

Shank / Tip									
		CAT #	DIA	USABLE LENGTH	OVERALL LENGTH	CAT #	DIA	USABLE LENGTH	OVERALL LENGTH
Tool	Rotary hammer with SDS Max (slotted drive shaft) type chuck	DW5801	9/16"	8"	13-1/2"	DW5875	7/8"	16"	21-1/2"
		DW5802	9/16"	16"	21-1/2"	DW5876	1"	8"	13-1/2"
Base Materials	Concrete, block, brick and soft stone	DW5803	1/2"	8"	13-1/2"	DW5877	1"	16"	21-1/2"
		DW5804	1/2"	16"	21-1/2"	DW5878	1-1/8"	10"	15"
Size Range	9/16" x 13-1/2" to 1-1/4" x 22-1/2"	DW5870	5/8"	8"	13-1/2"	DW5879	1-1/8"	18"	22-1/2"
		DW5871	5/8"	16"	21-1/2"	DW5880	1-1/4"	10"	15"
Description	Open Head U-Flute Design	DW5872	3/4"	8"	13-1/2"	DW5881	1-1/4"	18"	22-1/2"
		DW5873	3/4"	16"	21-1/2"				
		DW5874	7/8"	8"	13-1/2"				



HOLLOW DRILL BITS



SDS-Plus and SDS-Max Carbide Hollow Drill Bit

Shank / Tip

SDS+



SDS Max



Tool Rotary hammer with SDS + or SDS Max type chuck

Base Materials Soft Stone

Size Range 1/2" x 14-1/2" to 1" x 23-5/8"

Description Hollow Bit conducts dust away from drill hole via DEWALT DustX+ System



SDS+

CAT #	DIA	OVERALL LENGTH	USABLE LENGTH
DWA54012	1/2"	14-1/2"	9-3/4"
DWA54916	9/16"	14-1/2"	9-3/4"
DWA54058	5/8"	14-1/2"	9-3/4"
DWA54034	3/4"	14-1/2"	9-3/4"

SDS MAX

CAT #	DIA	OVERALL LENGTH	USABLE LENGTH
DWA58058	5/8"	23-5/8"	15-3/4"
DWA58034	3/4"	23-5/8"	15-3/4"
DWA58078	7/8"	23-5/8"	15-3/4"
DWA58001	1"	23-5/8"	15-3/4"
DWA58118	1-1/8"	23-5/8"	15-3/4"



ANCHOR ACCESSORIES

Installation Hand Tools and Accessories



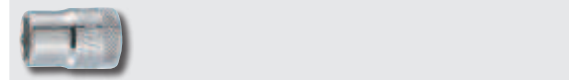
HAMMER/SLEDGE		
CAT #	DESCRIPTION	QTY
DWHT51064	22Oz. One-Piece Steel Hammer Head Length 5-1/2"; Head Weight 22Oz. Overall Length 16", Overall Weight 2 Lbs.	1
J1433G	Proto 2.5lb Sledge Hammer	1



MICROMETER TORQUE WRENCHES						
CAT #	DRIVE SIZE	TORQUE RANGE	HEAD WIDTH	HEAD DEPTH	OVERALL LENGTH	QTY
DWMT75463	3/8	20-100 ft-lbs	1-9/16"	78	17-5/16"	1
DWMT75462	1/2	50-250 ft-lbs	-	1	27-1/2"	1



DRIVE IMPACT RATED UNIVERSAL SOCKETS SET		
CAT #	DESCRIPTION	QTY
DWMT19228	3/8 in Drive Impact Universal Socket Set (12pc): SAE 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	1
DWMT19240	1/2" Drive 6pt Impact Socket Set (19pc): SAE 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2.	1



MANUAL SOCKETS FOR ATOMIC UNDERCUT+ AND POWER-STUDS					
CAT #	ANCHOR DIAMETER	SOCKET SIZE	SOCKET DRIVE	QTY	
DWMT88977	1/4"	7/16"	3/8" Drive	1	
DWMT86443	1/4"	7/16"	1/2" Drive	1	
DWMT88979	3/8"	9/16"	3/8" Drive	1	
DWMT86445	3/8"	9/16"	1/2" Drive	1	
DWMT88982	1/2"	3/4"	3/8" Drive	1	
DWMT86449	1/2"	3/4"	1/2" Drive	1	
DWMT19573	5/8"	15/16"	3/8" Drive	1	
DWMT86453	5/8"	15/1"	1/2" Drive	1	
DWMT86457	3/4"	1-1/8"	1/2" Drive	1	
DWMT17211	7/8"	1-15/16"	1/2" Drive	1	
DWMT17227	1"	1-1/2"	1/2" Drive	1	
DWMT74658	1-1/4"	1-7/8"	1/2" Drive	1	

MANUAL SOCKETS FOR POWER BOLTS				
CAT #	ANCHOR DIAMETER	SOCKET SIZE	SOCKET DRIVE	QTY
DWMT88980	1/2"	5/8"	3/8" Drive	1
DWMT88766	1/2"	5/8"	1/2" Drive	1
DWMT88982	5/8"	3/4"	3/8" Drive	1
DWMT86449	5/8"	3/4"	1/2" Drive	1
DWMT19573	3/4"	15/16"	3/8" Drive	1 1
DWMT86453	3/4"	15/16"	1/2" Drive	1

MANUAL SOCKETS FOR LOK BOLT ACORN NUT & HEX HEAD				
CAT #	ANCHOR DIAMETER	SOCKET SIZE	SOCKET DRIVE	QTY
DWMT88976	1/4"	3/8"	3/8" Drive	1
DWMT88977	5/16"	7/16"	3/8" Drive	1
DWMT88978	3/8"	1/2"	3/8" Drive	1
DWMT88979	1/2"	9/16"	3/8" Drive	1
DWMT88982	5/8"	3/4"	3/8" Drive	1
DWMT19573	3/4"	15/16"	3/8" Drive	1



IMPACT RATED SOCKETS FOR SCREW-BOLT+ AND WEDGE-BOLT 316 SS				
CAT #	ANCHOR DIAMETER	SOCKET SIZE	SOCKET DRIVE	QTY
DWMT74479	1/4"	7/16"	3/8" Drive	1
DWMT75122	3/8"	9/16"	1/2" Drive	1
DWMT75113	1/2"	3/4"	1/2" Drive	1
DWMT75104	5/8"	15/16"	1/2" Drive	1
DWMT75125	3/4"	1-1/8"	1/2" Drive	1



IMPACT RATED DEEP SOCKET FOR HANGERMATE+ EXTERNALLY THREADED CONCRETE ANCHOR			
CAT #	NOM ANCHOR SIZE	SOCKET SIZE	QTY
DWMT73934	3/8"	1/2"	1



IMPACT RATED SOCKET FOR HANGERMATE+ EXTERNALLY THREADED CONCRETE ANCHOR			
CAT #	NOM ANCHOR SIZE	SOCKET SIZE	QTY
DW2286	3/8"	3/8"	1



20V MAX* THREADED ROD CUTTER KIT		
CAT #	DESCRIPTION	QTY
DCS35001	Kit Includes: DCS371B Threaded Rod Cutter DCB203 2 Ah Lithium Ion Battery, DCB112 Charger(2) DCS3501B3 4 Sided Cutting Dies, Cutting Die, Adjustment Wrench Cuts 1/4", 3/8", 1/2" Mild Steel Coarse Threaded Rod and 1/4", 3/8" Stainless Steel Coarse Threaded Rod	1



20V MAX* LITHIUM ION BAND SAW KIT		
CAT #	DESCRIPTION	QTY
DCS371P1	Kit Includes: DCS371P1 Band Saw, DCB205 - 20V MAX* Premium Xr 5.0Ah Lithium Ion Battery Pack DCB101 - 12V MAX* - 20V MAX* Lithium Ion Battery Charger DW3982, DW3983, DW3984C and DW3986C Bi Metal Cordless Bandsaw Blades, Blade Tracking, Kit Bag 2-1/2" Cutting Capacity	1



20V MAX* BRUSHLESS DEEP CUT BAND SAW KIT		
CAT #	DESCRIPTION	QTY
DCS374P2	Kit Includes: DCS374 20V MAX* Band Saw (2) DCB205 20V MAX* 5.0Ah batteries DCB101 - 12V MAX* - 20V MAX* Lithium Ion Battery Charger Kit Box, 18TPI Band Saw Blade 5" Cutting Capacity	1

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

DRILLING ACCESSORIES

Dust Management



DUST EXTRACTOR		
CAT #	DESCRIPTION	QTY
DWV012	10 Gallon Wet/Dry HEPA/RRP Dust Extractor	1
DWV010	8 Gallon Wet/Dry HEPA/RRP Dust Extractor	1
DWV9402	Fleece bag (5 pack) for DEWALT Dust Extractors	5
DWV9316	Replacement Anti-Static Hose	1
DWV9320	Replacement HEPA Filter Set (Type 1)	1
DWV9000	Air Lock Connector	1



DUST EXTRACTION ATTACHMENTS		
CAT #	DESCRIPTION	QTY
DWH302DH	Filter Box Fits DWH303DH	1
DWH303DH	Dust Extractor Fits DCH273P2 1" 20V MAX* SDS Rotary Hammer	1
DCH273P2DHO	1" 20V MAX* SDS Rotary Hammer Combo Kit Kit Includes: (2) DCB205 5.0Ah Batteries (1) DCB101 Charger, 360 Degree Side Handle, Depth Rod, Retractable Utility Hook, Extractor HEPA Filter	1
DCH293R2DH*	1-1/8" 20V MAX* SDS Rotary Hammer Combo Kit Includes Tool and Dust Extractor	1
DCH304DH*	Dust Extractor Fits DCH293R2 1-1/8" 20V MAX* SDS Rotary Hammer	1

* Coming 2018



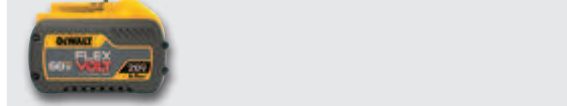
LARGE HAMMER DUST EXTRACTION - HOLE CLEANING		
CAT #	DESCRIPTION	QTY
DWH050K	Kit Includes: 5/16" Hole Cleaning Tube, 9/16" Hole Cleaning Tube, 1-1/2" Hole Drilling Head Attachment, 2" Hole Drilling Head Attachment Dust Extractor Body, Kit Box Two interchangeable drilling heads for optimum dust removal. One for holes up to 1-1/2" and one for holes up to 2"	1

POWER TOOL ACCESSORIES

Power Source Accessories



POWER STATION CHARGER		
CAT #	DESCRIPTION	QTY
DCB1800B	1800 Watt Portable Power Station & Parallel Battery Charger	1
DCB1800M3T1	1800 Watt Portable Power Station & Parallel Battery Charger Kit Kit Includes: Power Station Unit, (3) 4.0 Ah 20V MAX* and (1) 6.0 Ah Flexvolt Batteries	1



BATTERIES		
CAT #	DESCRIPTION	QTY
DCB609	20V/60V MAX* Flexvolt 9.0Ah Battery	1
DCB609-2	20V/60V MAX* Flexvolt 9.0Ah Battery 2 Pack	2
DCB206	20V MAX* Premium XR 6.0Ah Lithium Ion Battery Pack	1
DCB206-2	20V MAX* Premium XR 6.0Ah Lithium Ion Battery Pack 2 Pack	2
DCB205	20V MAX* Premium XR 5.0Ah Lithium Ion Battery Pack	1
DCB205-2	20V MAX* Premium XR 5.0Ah Lithium Ion Battery Pack 2 Pack	2
DCB204	20V MAX* Premium XR Lithium Ion Battery Pack	1
DCB204-2	20V MAX* Premium XR Lithium Ion Battery Pack	2
DCB203	20V MAX* Compact XR Lithium Ion Battery Pack	1
DCB203-2	20V MAX* Compact XR Lithium Ion Battery Pack	2
DCB200	20V MAX* Lithium Ion Battery Pack (3.0 Ah)	11
DCB200-2	20V MAX* Lithium Ion Battery Pack (3.0 Ah)	1
DCB115	Charger for all DEWALT 12V-20V MAX* Li-Ion Batteries	1

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

ADHESIVE ACCESSORIES

Hole Cleaning Tools and Accessories



STEEL PREMIUM BRUSHES (REQUIRED FOR AC200+)

CAT #	DESCRIPTION	QTY
PFC1671050	Steel Premium Brush For 7/16" Hole	1
PFC1671100	Steel Premium Brush For 1/2" Hole	1
PFC1671150	Steel Premium Brush For 9/16" Hole	1
PFC1671200	Steel Premium Brush For 5/8" Hole	1
PFC1671225	Steel Premium Brush For 11/16" Hole	1
PFC1671250	Steel Premium Brush For 3/4" Hole	1
PFC1671300	Steel Premium Brush For 7/8" Hole	1
PFC1671350	Steel Premium Brush For 1" Hole	1
PFC1671400	Steel Premium Brush For 1-1/8" Hole	1
PFC1671450	Steel Premium Brush For 1-3/8" Hole	1
PFC1671500	Steel Premium Brush For 1-1/2" Hole	1
PFC1671000	Premium Manual Brush Wood Handle	1
PFC1671010	Premium Brush Extension	1
PFC1671820	Premium Steel Brush Extension 12"	1
PFC1671830	Premium Steel Brush SDS Adapter	1
PFC1671960	Premium Steel Brush Drill Chuck Adapter	1



WIRE BRUSHES

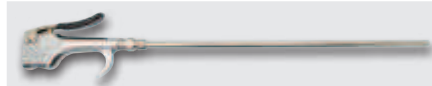
CAT #	DESCRIPTION	QTY
08275	Wire Brush For 5/8" ANSI Hole, No. 4 Rebar	1
08284	Wire Brush For 7/16" ANSI Hole	1
08287	Wire Brush For 7/8" ANSI Hole	1
08285	Wire Brush For 9/16" ANSI Hole	1
08278	Wire Brush For 3/4" ANSI Hole	1
08286	Wire Brush For 11/16 In ANSI Hole	1
08288	Wire Brush For 1" ANSI Hole	1
08289	Wire Brush For 1-1/8" ANSI Hole	1

CAT #	DESCRIPTION	QTY
08290	Wire Brush For 1-3/8" ANSI Hole	1
08291	Wire Brush For 1-1/2" ANSI Hole	1
08299	Wire Brush For 1-3/4" Hole, No. 11 Rebar	1
08282	Brush Extension 12"	1
08283	SDS Plus Adapter For Wire Brush	1
08296	Jacobs Chuck Adapter	1



NYLON BRUSHES

CAT #	DESCRIPTION	QTY
07931	Nylon Brush For 7/16" ANSI Hole	1
07932	Nylon Brush For 9/16" ANSI Hole	1
07933	Nylon Brush For 3/4" ANSI Hole	1
07934	Nylon Brush For 1" to 1-1/8" ANSI Hole	1
07935	Nylon Brush For 1-1/4" ANSI Hole	1
52073	Adhesive Cleaning Kit	1



AIR NOZZLE

CAT #	DESCRIPTION	QTY
08292	Air Nozzle W/Extension	1



HAND PUMP

CAT #	DESCRIPTION	QTY
08280	Hand Pump / Dust Blower 25oz.	1

Dispensing Tools



CORDLESS 20V DISPENSERS

CAT #	DESCRIPTION	QTY	MSTR
DCE560D1	Quik-Shot Dispenser 9/10oz	1	
DCE591D1	Epoxy Dispenser 1:1 21oz	1	
DCE591B	Epoxy Dispenser 1:1 21oz; w/o battery	1	
DCE593D1	Epoxy Dispenser 3:1 13/20oz	1	
DCE593B	Dispenser 3:1 13/20oz; w/o battery	1	
DCE595D1	Acrylic Dispenser 10:1 28oz		
DCE595B	Acrylic Dispenser 10:1 28oz; w/o battery		



STANDARD MANUAL DISPENSERS

CAT #	DESCRIPTION	QTY	MSTR
08409	Standard Manual Dispenser 21oz.	1	8
08437	Standard Manual Dispenser 9/10oz	1	12
08494	Standard Manual Dispenser 28oz	1	10



HIGH PERFORMANCE DISPENSERS

CAT #	DESCRIPTION	QTY	MSTR
08298	High Performance Manual Dispenser 13oz / 20oz	1	5
08421	High Performance Manual Dispenser 21oz	1	10
08479	High Performance Manual Dispenser 9/10oz	1	12
08485	High Performance Manual Tool 8,10, 12 oz	1	20



PNEUMATIC DISPENSERS

CAT #	DESCRIPTION	QTY	MSTR
08495	Pneumatic Dispenser 21oz	1	8
08496	Pneumatic Dispenser 28oz	1	1
8497SD	Pneumatic Dispenser 13 / 20oz	1	6
08438	Pneumatic Dispenser 51oz	1	

ADHESIVE ACCESSORIES

Mixing Nozzles and Nozzle Extensions



MIXING NOZZLES

CAT #	DESCRIPTION	QTY	MSTR
PFC1641600	Mixing Nozzle for AC200+	2	21
08609	Extra High Flow Mixing Nozzle	2	24
08293	Mixing Nozzle for AC100+ Gold 10 & 12 oz	2	24
08294	Mixing Nozzle	2	24
08281	8" Extension	1	12



FLEXIBLE EXTENSIONS

CAT #	DESCRIPTION	QTY	MSTR
08297	Flex Extension Tubing for Piston Plug	1	12
PFC1640600	Flexible Extension Hose 25 Ft	1	12

Adhesive Piston Plugs



STANDARD PISTON PLUGS

CAT #	DESCRIPTION	ANSI BIT DIA	ROD DIA	REBAR SIZE	QTY
08302	9/16" Plug	9/16"	1/2"	#4	10
08304	5/8" Plug	5/8"	-	#4	10
08258	11/16" Plug	11/16"	5/8"	#5	10
08259	3/4" Plug	3/4"	5/8"	#5	10
08300	7/8" Plug	7/8"	3/4"	#6	10
08301	1" Plug	1"	7/8"	#7	10
08303	1-1/8" Plug	1-1/8"	1"	#8	10
08305	1-3/8" Plug	1-3/8"	1-1/4"	#9	10
08309	1-1/2" Plug	1-1/2"	-	#10	10



NEW!

PREMIUM PISTON PLUGS

CAT #	DESCRIPTION	ANSI BIT DIA	ROD DIA	REBAR SIZE	QTY
PFC1691510	Premium Plug	5/8" Hole	-	#4	5
PFC1691520	Premium Plug	3/4" Hole	5/8"	#5	5
PFC1691530	Premium Plug	7/8 Hole	3/4"	#6	5
PFC1691540	Premium Plug	1" Hole	7/8"	#7	5
PFC1691550	Premium Plug	1-1/8" Hole	1"	#8	5
PFC1691560	Premium Plug	1-3/8" Hole	1-1/4"	#9	5
PFC1691570	Premium Plug	1-1/2" Hole	-	#10	5
PFC1691580	Premium Plug	1-3/4" Hole	1-1/2"	#11	5

Screen Tubes



PLASTIC SCREEN TUBES

CAT #	DESCRIPTION	DRILL DIA	QTY
08470	1/4" x 1-3/4"	1/2"	25
08310	3/8" x 3-1/2"	9/16"	25
08311	3/8" x 6"	9/16"	25
08313	3/8" x 8"	9/16"	25
08315	1/2" x 3-1/2"	3/4"	25
08317	1/2" x 6"	3/4"	25
08321	5/8" x 6"	7/8"	25
08323	3/4" x 6"	1"	10
08470	1/4" x 1-3/4"	1/2"	25



STAINLESS STEEL SCREEN TUBES

CAT #	DESCRIPTION	DRILL DIA	QTY
07960	1/4" x 2"	3/8"	25
07862	1/4" x 6"	3/8"	25
07864	1/4" x 8"	3/8"	25
07866	1/4" x 10"	3/8"	25
07856	3/8" x 2"	1/2"	25
07961	3/8" x 3-1/2"	1/2"	25
07962	3/8" x 6"	1/2"	25
07963	3/8" x 8"	1/2"	25

CAT #	DESCRIPTION	DRILL DIA	QTY
07964	3/8" x 10"	1/2"	25
07959	3/8" x 12"	1/2"	25
07857	1/2" x 2"	5/8"	25
07965	1/2" x 3-1/2"	5/8"	25
07966	1/2" x 6"	5/8"	25
07967	1/2" x 8"	5/8"	25
07968	1/2" x 10"	5/8"	25
07858	5/8" x 2"	3/4"	25
07969	5/8" x 4-1/2"	3/4"	20
07970	5/8" x 6"	3/4"	20
07971	5/8" x 8"	3/4"	20
07972	5/8" x 10"	3/4"	20
07859	3/4" x 2"	7/8"	25
07973	3/4" x 6"	7/8"	10
07977	3/4" x 8"	7/8"	10
07974	3/4" x 10"	7/8"	10
07975	3/4" x 13"	7/8"	10
07978	3/4" x 17"	7/8"	10
07855	15/16" x 2"	1"	25
07865	15/16" x 8"	1"	10
07867	15/16" x 13"	1"	25
07869	15/16" x 18"	1"	10

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

ADHESIVE ACCESSORIES

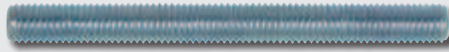
Anchor Seal Plugs



ANCHOR SEAL PLUGS

CAT #	DESCRIPTION	PLUG DEPTH	HOLE SIZE	BAG
7936	3/8" Anchor Seal Plug	3/8"	7/16"	25
7937	1/2" Anchor Seal Plug	1/2"	9/16"	25

Straight Cut Threaded Rod



STRAIGHT CUT THREADED ROD, A307, ZINC PLATED ASTM B 633 W NUTS & WASHERS

CAT #	DESCRIPTION	CTN
7985	1/2" x 5-1/2" Anchor Rod	25
7986	1/2" x 8" Anchor Rod	25

CAT #	DESCRIPTION	CTN
7989	5/8" x 6-1/2" Anchor Rod	20
7990	5/8" x 8" Anchor Rod	20
7993	3/4" x 9" Anchor Rod	10
7994	3/4" x 12" Anchor Rod	10



ADHESIVE ACCESSORIES

Adhesive Installation System: Drill Bits

			20V MAX* SDS Plus Rotary Hammers Drill Bits			Flexvolt® SDS Max Drill Bits	SDS Max Combination Hammer (Corded) Drill Bits
For 20V MAX Maximum initial battery voltage measured without a workload is 20 volts. Nominal voltage is 18.							
ROD/REBAR SIZE	HOLE SIZE	EMBEDMENT	DCH273P2 1" L-SHAPE	DCH133M2 1" D-HANDLE	DCH293R2 1-1/8" L-SHAPE W/ E-CLUTCH	DCH481X2 1-9/16" W/ E-CLUTCH	D25603K 1-3/4" / CORDED
			SDS+	SDS+	SDS+	SDS MAX	
3/8" or #3	1/2"	4"	DW5537	DW5437	DW5537		
3/8" or #3	1/2"	8"	DW5538	DW5438	DW5538		
3/8" or #3	1/2"	10"	DW5539	DW5439	DW5539		
3/8" or #3	1/2"	16"	DW5540	DW5440	DW5540		
3/8" or #3	1/2"	22"	DW55410	DW5441	DW55410		
1/2"	5/8"	6"	DW5471	DW5446	DW5471		DW5806
1/2" or #4	5/8"	8"	DW5471	DW5447	DW5471		DW5806
1/2" or #4	5/8"	16"	DW5472	DW5448	DW5472		DW5809
1/2" or #4"	5/8"	22"		DW5449			DW5807
1/2" or #4	5/8"	31"					DW5807
5/8" or #5	3/4"	6"	DW5474	DW5453	DW5474		DW5810
5/8" or #5	3/4"	10"	DW5475	DW5447	DW5475		DW5812
5/8" or #5	3/4"	16"	DW5475	DW5447	DW5475		DW5812
5/8" or #5	3/4"	22"		DW5457			DW5813
3/4" or #6	7/8"	6"	DW5477	DW5460	DW5477		DW5815
3/4" or #6	7/8"	10"	DW5478	DW5461	DW5478		DW5816
3/4" or #6	7/8"	16"	DW5478	DW5462	DW5478		DW5816
7/8" or #7	1"	8"	DW5479	DW5464	DW5479		DW5818
7/8" or #7	1"	16"	DW5480	DW5466	DW5480		DW5819
7/8" or #7	1"	24"					DW5852
7/8" or #7	1"	31"					DW5820
1" or #8	1-1/8"	8"	DW5481	DW5468	DW5481		DW5821
1" or #8	1-1/8"	16"	DW5482	DW5469	DW5482		DW5822
1" or #8	1-1/8"	24"					DW5853
1" or #8	1-1/8"	31"					DW5854

* 7/16" may be needed in some circumstance for 3/8" rod

** 9/16" may be needed in some circumstance for 1/2" rod

Adhesive Installation System: Hollow Drill Bits **Accessories**

20V MAX* SDS Plus Rotary Hammers Hollow Drill Bit			Flexvolt® SDS Max Hollow Drill Bits	SDS Max Combination Hammer (Corded) Hollow Drill Bit				
DCH273P2 1" L-SHAPE	DCH133M2 1" D-HANDLE	DCH293R2 1-1/8" L-SHAPE W/ E-CLUTCH	DCH481X2 1-9/16" W/ E-CLUTCH	D25603K 1-3/4" / CORDED	PREMIUM PISTON PLUGS	STANDARD PISTON PLUGS	PREMIUM BRUSH	STANDARD BRUSH
SDS PLUS SDS MAX			SDS MAX HOLLOW DRILL BIT					
DWA54012	DWA54012	DWA54012				08302-PWR	PFC1671100	
DWA54012	DWA54012	DWA54012				08302-PWR	PFC1671100	
DWA54012	DWA54012	DWA54012				08302-PWR	PFC1671100	
						08302-PWR	PFC1671100	
DWA54058	DWA54058	DWA54058	DWA58058	DWA58058	PFC1691510	08258-PWR	PFC1671200	08275-PWR
DWA54058	DWA54058	DWA54058	DWA58058	DWA58058	PFC1691510	08258-PWR	PFC1671200	08275-PWR
DWA54058	DWA54058	DWA54058	DWA58058	DWA58058	PFC1691510	08258-PWR	PFC1671200	08275-PWR
					PFC1691510	08258-PWR	PFC1671200	08275-PWR
					PFC1691510	08258-PWR	PFC1671200	08275-PWR
DWA54034	DWA54034	DWA54034	DWA58034	DWA58034	PFC1691520	08259-PWR	PFC1671250	08278-PWR
DWA54034	DWA54034	DWA54034	DWA58034	DWA58034	PFC1691520	08259-PWR	PFC1671250	08278-PWR
			DWA58034	DWA58034	PFC1691520	08259-PWR	PFC1671250	08278-PWR
					PFC1691520	08259-PWR	PFC1671250	08278-PWR
			DWA58078	DWA58078	PFC1691530	08300-PWR	PFC1671300	08287-PWR
			DWA58078	DWA58078	PFC1691530	08300-PWR	PFC1671300	08287-PWR
			DWA58078	DWA58078	PFC1691530	08300-PWR	PFC1671300	08287-PWR
					PFC1691540	08301-PWR	PFC1671350	08288-PWR
			DWA58001	DWA58001	PFC1691540	08301-PWR	PFC1671350	08288-PWR
					PFC1691540	08301-PWR	PFC1671350	08288-PWR
					PFC1691540	08301-PWR	PFC1671350	08288-PWR
			DWA58118	DWA58118	PFC1691550	08303-PWR	PFC1671400	08288-PWR
			DWA58118	DWA58118	PFC1691550	08303-PWR	PFC1671400	08288-PWR
					PFC1691550	08303-PWR	PFC1671400	08288-PWR
					PFC1691550	08303-PWR	PFC1671400	08288-PWR

DEWALT®

ENGINEERED BY Powers™



NEW!

A New Age in Post Installed Applications

- Fully cordless system for productivity
- Eliminates brushing and blowing dust before anchoring
- ICC-ES Code Approved Pure110+® high performance adhesive is suitable for a variety of applications

OSHA COMPLIANT
1926.1193

DUST X+™

ANCHOR INSTALLATION SYSTEM



MECHANICAL ANCHORS 42

LIGHT DUTY ANCHORS 50

POWDER ACTUATED 55

GAS FASTENING 64

ROOFING 67

SCREWS AND BOLTS 69





Nail Anchors	Pin Anchors	Bolt & Shield Anchors		Screw Anchors	Expansion Anchor	Page	Base Material	Anchor Diameter	Head Style	Coating/Material	Code Recognition
		Double	Single								
Nylon Nailin						48	Concrete	3/16"	Hex Head	Plated Carbon Steel	ICC-ES ESR-3068, 3042, 3213, 3196 Miami-Dade NOA
Zamac Nailin						48	Lightweight Concrete	1/4"	Hex Head	Galvanized Carbon Steel	
Zamac Hammer-Screw						48	Hollow Core Plank	5/16"	Round/Acorn Head	Type 303/304 Stainless Steel	
						48	Grout-filled Concrete Masonry	3/8"	Flat Head (Countersunk)	Type 316 Stainless Steel	
						48	Hollow Concrete Masonry	1/2"	Removable	Type 410 Stainless Steel	
						48	Solid Brick	5/8"	Tie-Wire Head	Zamac Alloy	
						48	Hollow Brick	3/4"	Female Coupler	Perma-Seal Coated	
						48	Stone	7/8"		Nylon/Plastic	
						48	Structural Clay/Tile	1" (24mm)		Lead Alloy	
						48	Wood	1-1/4" (28mm)			
						48	Steel				

● Suitable ○ May be Suitable





Set-Bolt

Displacement Controlled Expansion Anchor

BASE MATERIAL	Concrete
SIZE RANGE	1/4" x 1-3/4" to 1/2" x 4-1/4"
ANCHOR MATERIAL	Carbon Steel

The Set-Bolt is a one piece, stud style anchor with an external bottom-bearing expansion plug. It is available in carbon steel for use in concrete, stone and solid masonry units.

CAT #	SIZE	MIN. DEPTH	THREAD LENGTH	BOX	CTN
07101	1/4" x 1-3/4"	1-3/8"	5/8"	100	1000
07123*	3/8" x 2-1/4"	1-5/8"	5/8"	50	250
07126	3/8" x 3"	1-5/8"	1-3/8"	50	250
07151	1/2" x 4-1/4"	1-7/8"	1-7/8"	25	125

* Discontinued item once current stock exhausted.



CODE LISTED
ICC-ES ESR-3068
UNCRACKED CONCRETE

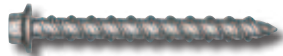
Tapper+® Xtreme

Concrete Screw

BASE MATERIAL	Uncracked Concrete
SIZE RANGE	5/16" x 1-3/4" to 5/16" x 6"
ANCHOR MATERIAL	Carbon Steel

The Tapper+ Xtreme concrete screw is a one-piece self-tapping concrete screw available in 5/16" screw size for use in a variety of light to medium duty applications in concrete and masonry block base materials. It features a corrosion resistant Perma-Seal® coating and an optimized thread design for lower torque.

Choice of head style:
Hex Washer Head, Hex Washer Head Trim, Phillips Head Flat, Phillips Head Flat Trim



SILVER TAPPER+ XTREME STANDARD PACK*				
CAT #	HEAD STYLE	SCREW SIZE	BOX	CTN
2200SD	Hex Washer Head	5/16" x 1-3/4"	100	600
2202SD	Hex Washer Head	5/16" x 2-1/4"	100	600
2204SD	Hex Washer Head	5/16" x 2-3/4"	100	500
2206SD	Hex Washer Head	5/16" x 3-1/4"	100	500
2208SD	Hex Washer Head	5/16" x 4"	100	500
2210SD	Hex Washer Head	5/16" x 5"	100	500
2212SD	Phillips Head Flat	5/16" x 2-1/4"	100	600
2214SD	Phillips Head Flat	5/16" x 2-3/4"	100	600
2216SD	Phillips Head Flat	5/16" x 5"	100	500
2218SD	Phillips Head Flat	5/16" x 4"	100	500
2220SD	Phillips Head Flat	5/16" x 5"	100	500
2230SD	Hex Washer Head Trim	5/16" x 1-3/4"	100	600
2234SD	Hex Washer Head Trim	5/16" x 2-3/4"	100	600
2242SD	Phillips Head Flat Trim	5/16" x 2-1/4"	100	600
2244SD	Phillips Head Flat Trim	5/16" x 2-3/4"	100	600



White Perma-Seal coating available by special order.

WHITE TAPPER+ XTREME STANDARD PACK*				
CAT #	HEAD STYLE	SCREW SIZE	BOX	CTN
2312SD	Phillips Head Flat	5/16" x 2-1/4"	100	500
2314SD	Phillips Head Flat	5/16" x 2-3/4"	100	500

CAT #	HEAD STYLE	SCREW SIZE	BOX	CTN
2316SD	Phillips Head Flat	5/16" x 3-1/4"	100	500
2318SD	Phillips Head Flat	5/16" x 4"	100	500
2320SD	Phillips Head Flat	5/16" x 5"	100	500
2322SD	Phillips Head Flat	5/16" x 6"	100	500
2330SD	Hex Washer Head Trim	5/16" x 1-3/4"	100	500
2332SD	Hex Washer Head Trim	5/16" x 2-1/4"	100	500
2334SD	Hex Washer Head Trim	5/16" x 2-3/4"	100	500
2336SD	Hex Washer Head Trim	5/16" x 3-1/4"	100	500
2340SD	Phillips Head Flat Trim	5/16" x 1-3/4"	100	500
2346SD	Phillips Head Flat Trim	5/16" x 3-1/4"	100	500
2348SD	Phillips Head Flat Trim	5/16" x 4"	100	500
2350SD	Phillips Head Flat Trim	5/16" x 5"	100	500



Bronze Perma-Seal coating available by special order.

WHITE TAPPER+ XTREME STANDARD PACK*				
CAT #	HEAD STYLE	SCREW SIZE	BOX	CTN
2612SD	Phillips Head Flat	5/16" x 2-1/4"	100	500
2614SD	Phillips Head Flat	5/16" x 2-3/4"	100	500
2616SD	Phillips Head Flat	5/16" x 3-1/4"	100	500
2618SD	Phillips Head Flat	5/16" x 4"	100	500
2620SD	Phillips Head Flat	5/16" x 5"	100	500
2622SD	Phillips Head Flat	5/16" x 6"	100	500
2630SD	Hex Washer Head Trim	5/16" x 1-3/4"	100	500
2632SD	Hex Washer Head Trim	5/16" x 2-1/4"	100	500
2634SD	Hex Washer Head Trim	5/16" x 2-3/4"	100	500
2636SD	Hex Washer Head Trim	5/16" x 3-1/4"	100	500
2638SD	Hex Washer Head Trim	5/16" x 4"	100	500
2640SD	Phillips Head Flat Trim	5/16" x 1-3/4"	100	500
2642SD	Phillips Head Flat Trim	5/16" x 2-1/4"	100	500
2644SD	Phillips Head Flat Trim	5/16" x 2-3/4"	100	500
2646SD	Phillips Head Flat Trim	5/16" x 3-1/4"	100	500
2648SD	Phillips Head Flat Trim	5/16" x 4"	100	500
2650SD	Phillips Head Flat Trim	5/16" x 5"	100	500

* One Tapper+ drill bit included in each standard box.

TAPPER+ XTREME SDS-PLUS BIT			
CAT #	SIZE	USABLE LENGTH	CTN
1314	1/4" x 6"	8"	500
1315	1/4" x 8"	6"	500



CODE LISTED
ICC-ES ESR-3068
CONCRETE

CODE LISTED
ICC-ES ESR-3042
WOOD-TO-WOOD

CODE LISTED
ICC-ES ESR-3213
CHEMICALLY TREATED LUMBER

CODE LISTED
ICC-ES ESR-3196
MASONRY (CMU)



Tapper+®

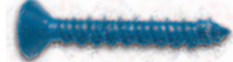
Concrete Screw

BASE MATERIAL	Concrete, Block, Brick, Wood, Pressure Treated Lumber
SIZE RANGE	3/16" x 1-1/4" to 1/4" x 6"
ANCHOR MATERIAL	Carbon Steel

The Tapper+ is a one-piece self-tapping concrete screw for use in a variety of light to medium duty applications in base materials including concrete, masonry and wood. It features a corrosion resistant Perma-Seal® coating and an optimized



thread design for lower torque. The screw also incorporates a gimlet drill point for wood base materials (no pre-drilling required). Tapper+ is available in a variety of head styles and colors to match the application.



BLUE PERMA-SEAL TAPPER+ STANDARD PACK*

HWH CAT #	PFH CAT #	SCREW SIZE	BOX	CTN
2700SD†	2740SD†	3/16" x 1-1/4"	100	500
2702SD†	2742SD†	3/16" x 1-3/4"	100	500
2704SD	2744SD	3/16" x 2-1/4"	100	500
2706SD	2746SD	3/16" x 2-3/4"	100	500
2708SD	2748SD	3/16" x 3-1/4"	100	500
2710SD	2750SD	3/16" x 3-3/4"	100	500
2712SD	2752SD	3/16" x 4"	100	500
2720SD†	2760SD†	1/4" x 1-1/4"	100	500
2722SD†	2762SD†	1/4" x 1-3/4"	100	500
2724SD	2764SD	1/4" x 2-1/4"	100	500
2726SD	2766SD	1/4" x 2-3/4"	100	500
2728SD	2768SD	1/4" x 3-1/4"	100	500
2730SD	2770SD	1/4" x 3-3/4"	100	500
2732SD	2772SD	1/4" x 4"	100	500
2734SD	2774SD	1/4" x 5"	100	100
	2776SD	1/4" x 6"	100	100



SILVER PERMA-SEAL TAPPER+ STANDARD PACK*

HWH CAT #	PFH CAT #	FHH CAT #	TFH CAT #	SCREW SIZE	BOX	ST. CTN
	2502SD			3/16" x 2-3/4"	100	500
	2503SD			3/16" x 3-1/4"	100	500
	2504SD			3/16" x 3-3/4"	100	500
	2505SD			3/16" x 4"	100	500
	2506SD†			1/4" x 1-1/4"	100	500
				1/4" x 1-3/4"	100	500
2490SD	2508SD			1/4" x 2-1/4"	100	500
				1/4" x 2-3/4"	100	500
2494SD	2510SD			1/4" x 3-1/4"	100	500
2495SD				1/4" x 3-3/4"	100	500
2496SD	2512SD			1/4" x 4"	100	500



BRONZE PERMA-SEAL TAPPER+ STANDARD PACK*

CAT # HWH	CAT # PFH	SCREW SIZE	BOX	CTN
9975SD†	9977SD†	1/4" x 1-1/4"	100	500
9976SD†	9978SD†	1/4" x 1-3/4"	100	500



WHITE PERMA-SEAL TAPPER+ STANDARD PACK*

CAT # HWH	CAT # PFH	CAT # FHH	CAT # TFH	SCREW SIZE	BOX	CTN
2400SD†	2440SD†			3/16" x 1-1/4"	100	500
2402SD†	2442SD†			3/16" x 1-3/4"	100	500
2404SD				3/16" x 2-1/4"	100	500
	2448SD			3/16" x 3-1/4"	100	500
2410SD				3/16" x 3-3/4"	100	500
2412SD	2449SD			3/16" x 4"	100	500
2420SD†	2460SD†			1/4" x 1-1/4"	100	500
		8706SD†	8710SD†	1/4" x 1-3/4"	100	500
2424SD		8707SD	8711SD	1/4" x 2-1/4"	100	500
2426SD		8708SD	8712SD	1/4" x 2-3/4"	100	500
			8713SD	1/4" x 3-1/4"	100	500
2430SD			8714SD	1/4" x 3-3/4"	100	500
2435SD				1/4" x 4"	100	500

HWH = Hex Washer Head (slotted); PFH = Phillips Flat Head; TFH = Trim Flat Head; FHH = Flange Hex Head

* One Tapper+ drill bit included in each standard box.

† Sizes which are less than the minimum standard anchor length for strength design

Drill Bits for Perma-Seal® Tapper+®



STRAIGHT SHANK

CAT #	SIZE	USABLE LENGTH	STD. TUBE	WT./100
2781SD	5/32" x 3-1/2"	2"	10	1/4
2782SD	5/32" x 4-1/2"	3"	10	1/4
2783SD	5/32" x 5-1/2"	4"	10	1/4
2785SD	3/16" x 3-1/2"	2"	10	1/4
2786SD	3/16" x 4-1/2"	3"	10	1/4
2787SD	3/16" x 5-1/2"	4"	10	1/2
2788SD	3/16" x 6-1/2"	5"	10	1/2
2789SD	3/16" x 7-1/2"	6"	10	1/2



HEX SHANK SDS-PLUS

CAT #	SIZE	USABLE LENGTH	STD. TUBE	WT./10
2793SD	5/32" x 5"	3"	1	1
2794SD	5/32" x 7"	4"	1	1
2796SD	3/16" x 5"	3"	1	1
2797SD	3/16" x 7"	4"	1	1

Stainless Steel Tapper™



Concrete Screw

BASE MATERIAL

Concrete, Block and Brick

SIZE RANGE

3/16" x 1-1/4" to 1/4" x 6"

ANCHOR MATERIAL

Type 304 & Type 410 Stainless Steel

The Tapper Anchoring System is a family of screw anchors, specially designed drill bits and installation tools designed to meet the needs of most light to medium duty applications in concrete, block and brick. The Tapper concrete screw anchor is produced in either hex washer head or Phillips flat head styles from Type 304 and Type 410 stainless steel.



Standard Packaging - 100 screws and 1 drill per box

TYPE 304 STAINLESS STEEL TAPPER HEX HEAD†

CAT #	SIZE	DRILL BIT REF STRAIGHT	DRILL BIT REF SDS HEX	BOX	CTN
02880	1/4" x 1-1/4"	2894	2790	100	500
02881	1/4" x 1-3/4"	2894	2790	100	500
02882	1/4" x 2-1/4"	2895	2790	100	500
02883	1/4" x 2-3/4"	2895	2790	100	500

†Stainless Steel Tapper screws require the use of special Tapper drill bits. These special drill bits are gold or silver colored for identification. They cannot be used with the Perma-Seal® Tapper or 410 Stainless Steel Tapper.

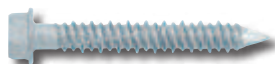


Standard Packaging - 100 screws and 1 drill per box

TYPE 304 STAINLESS STEEL TAPPER PHILLIPS FLAT HEAD†

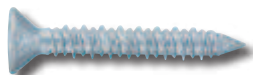
CAT #	SIZE	DRILL BIT REF STRAIGHT	DRILL BIT REF SDS HEX	BOX	CTN
02887	1/4" x 1-1/4"	2894	2790	100	500
02888	1/4" x 1-3/4"	2894	2790	100	500
02889	1/4" x 2-1/4"	2895	2790	100	500
02890	1/4" x 2-3/4"	2895	2790	100	500

†Stainless Steel Tapper screws require the use of special Tapper drill bits. These special drill bits are gold or silver colored for identification. They cannot be used with the Perma-Seal® Tapper or 410 stainless steel Tapper.



Standard Packaging - 100 screws and 1 drill per box

TYPE 410 STAINLESS STEEL TAPPER HEX HEAD					
CAT #	SIZE	DRILL BIT REF STRAIGHT	DRILL BIT REF SDS HEX	BOX	CTN
04180	3/16" x 1-1/4"	2781	2793	100	500
04181	3/16" x 1-3/4"	2781	2793	100	500
04182	3/16" x 2-1/4"	2782	2793	100	500
04183	3/16" x 2-3/4"	2782	2793	100	500
04110	1/4" x 1-1/4"	2785	2796	100	500
04112	1/4" x 1-3/4"	2785	2796	100	500
04114	1/4" x 2-1/4"	2786	2796	100	500
04116	1/4" x 2-3/4"	2786	2796	100	500
04117	1/4" x 3-1/4"	2786	2796	100	500
04119	1/4" x 3-3/4"	2786	2796	100	500
04127	1/4" x 4"	2787	2797	100	500
04128	1/4" x 5"	2788	-	100	500
04129	1/4" x 6"	2788	-	100	500



Standard Packaging - 100 screws and 1 drill per box

TYPE 410 STAINLESS STEEL TAPPER PHILLIPS FLAT HEAD					
CAT #	SIZE	DRILL BIT REF STRAIGHT	DRILL BIT REF SDS HEX	BOX	CTN
40185	3/16" x 1-1/4"	2781	2793	100	500
04186	3/16" x 1-3/4"	2781	2793	100	500
04187	3/16" x 2-1/4"	2782	2793	100	500
04188	3/16" x 2-3/4"	2782	2793	100	500
04118	1/4" x 1-1/4"	2785	2796	100	500
04120	1/4" x 1-3/4"	2785	2796	100	500
04123	1/4" x 2-1/4"	2786	2796	100	500
04124	1/4" x 2-3/4"	2786	2796	100	500
04125	1/4" x 3-1/4"	2786	2796	100	500

Tapper Drill Bits

Tapper Drill Bits in the diameters listed are nominal size. Tapper anchors must be installed with special tolerance Tapper drill bits. 1/4", Type 304 Stainless Steel Tapper anchors require the use of specific tolerance Tapper drill bits, which are gold or silver colored, to denote the standard size and special application size for harder materials. Tolerance Range = 0.168" to 0.175" for the 5/32" and 0.202" to 0.204" for the 3/16" bits.

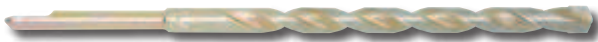
Carbide Drill Bits for Type 410 SS TAPPER



HEX SHANK SDS-PLUS			
CAT #	SIZE	USABLE LENGTH	STD. TUBE
2793	5/32" x 5"	3"	1
2794	5/32" x 7"	5"	1
2796	3/16" x 5"	3"	1
2797	3/16" x 7"	5"	1

Carbide Drill Bits for Type 304 SS TAPPER

This is the standard bit for use with Type 304 Stainless Steel Tapper. It is for use in standard weight concrete and block, tolerance = 0.215" to 0.216". This bit is gold colored for identification. (Do not use with Perma-Seal or Type 410 SS Tapper)



STRAIGHT SHANK			
CAT #	SIZE	USABLE LENGTH	STD. TUBE
2894	3/16" x 3-1/2"	2"	10
2895	3/16" x 4-1/2"	3"	10

SDS HEX			
CAT #	SIZE	USABLE LENGTH	STD. TUBE
2790	3/16" x 5-1/2"	3"	1

Tapper Installation Tools



INSTALLATION TOOLS FOR 3/16" AND 1/4" TAPPER				
CAT #	DESCRIPTION	MAX. SCREW LENGTH	MAX. BIT LENGTH	BOX
02791	Tapper 1000 Tool (as shown)	4"	5-1/2"	1
02792*	Condrive® 2000	2-3/4"	4-1/2"	1
02795	1000 SDS Extension (8")	6"	7-1/2"	1

*This tool cannot be used with SDS Drill Bits or PFH screws. Condrive is a registered trademark of ITW Corporation



TAPPER 1000 REPLACEMENT PARTS		
CAT #	DESCRIPTION	BOX
02953	Drive Sleeve Assembly (5-3/4")	1



Double Expansion Anchor

Shell Expansion Anchor

BASE MATERIAL	Pre-cast Hollow Core Plank, Concrete
SIZE RANGE	1/4", 3/8" and 1/2"
ANCHOR MATERIAL	Zamac Alloy

The Double is a dual expansion machine bolt anchor particularly suited for base materials of questionable strength. It can be used in solid concrete and some block, brick and stone base materials.

CAT #	SIZE	ANCHOR LENGTH	DRILL DIA.	MIN. HOLE DEPTH	BOX	CTN
09510	1/4"	1-3/8"	1/2"	1-1/4"	50	500
09515	5/16"	1-5/8"	5/8"	1-1/2"	50	500
09520	3/8"	2"	3/4"	1-3/4"	50	250
09525	1/2"	2-1/2"	7/8"	2-1/4"	25	250
09530	5/8"	2-3/4"	1"	2-1/2"	25	100
09535	3/4"	3-15/16"	1-1/4"	3-1/2"	10	50



Single Expansion Anchor

Shell Expansion Anchor

BASE MATERIAL	Concrete
SIZE RANGE	1/4" to 5/8"
ANCHOR MATERIAL	Zamac Alloy

The Single is a machine bolt anchor designed for use in concrete, and may be suitable in block, brick and stone base materials. The anchor consists of a pre-assembled set of expansion shields and an expander cone formed from Zamac alloy.

CAT #	SIZE	ANCHOR LENGTH	DRILL DIA.	MIN. HOLE DEPTH	BOX	CTN
09650	1/4"	1-5/16"	1/2"	1-3/8"	50	250
09655	5/16"	1-1/2"	5/8"	1-5/8"	50	250
09665	3/8"	1-1/2"	5/8"	1-5/8"	50	250
09675	1/2"	2-1/16"	7/8"	2-1/2"	25	125
09685	5/8"	2-5/8"	1"	2-3/4"	25	125



Calk-In

Machine Screw Anchor

BASE MATERIAL
Concrete, Block, Brick

SIZE RANGE
8 - 32 to 3/4" - 10

ANCHOR MATERIAL
Zamac Alloy and Lead

The Calk-In is a pre-assembled precision cast calking type machine bolt anchor which can be used in concrete, block, brick or stone. The anchor consists of an antimonial lead alloy calking sleeve and a Zamac alloy internally-threaded expander cone.

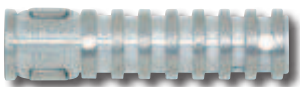
CALK-IN					
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
09205	8-32	5/16"	1/2"	100	1000
09210	10-24	3/8"	5/8"	100	1000
09220	1/4"-20	1/2"	7/8"	100	600
09225	5/16"-18	5/8"	1"	50	300
09230	3/8"-16	3/4"	1-1/4"	50	300
09240	1/2"-13	7/8"	1-1/2"	50	300
09250	3/4"-10	1-1/4"	2-1/4"	50	-

MASTER PACK				
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	MASTER CTN
9222	1/4"-20	1/2"	7/8"	1000



Calk-In tools purchased separately (not included).

CALK-IN SETTING TOOLS			
CAT #	SIZE	BOX	CTN
09201	8	1	-
09211	10	1	100
09221	1/4"	1	100
09226	5/16"	1	100
09231	3/8"	1	50
09241	1/2"	1	50
09251	3/4"	1	25



Lag Shield

Shell Expansion Anchor

BASE MATERIAL
Concrete and Mortar Joints of Block and Brick

SIZE RANGE
1/4" to 3/4"

ANCHOR MATERIAL
Zamac Alloy

The Lag Shield is a screw style anchor designed for use with lag bolts. It is suitable for use in concrete and the mortar joints of block or brick walls. Lag Shield anchors are formed from Zamac alloy. In harder masonry materials, short style Lag Shields are used to reduce drilling time. The long style version is used in soft or weak masonry to engage more base material.

CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
01051	1/4" Short	1/2"	1"	50	500
01055	1/4" Long	1/2"	1-1/2"	50	500
01101	5/16" Short	1/2"	1-1/4"	50	500
01105	5/16" Long	1/2"	1-3/4"	50	500
01151	3/8" Short	5/8"	1-3/4"	50	500
01155	3/8" Long	5/8"	2-1/2"	50	250
01201	1/2" Short	3/4"	2"	50	500

CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
01205	1/2" Long	3/4"	3"	50	200
01251	5/8" Short	7/8"	2"	25	125
01255	5/8" Long	7/8"	3-1/2"	25	125
01301	3/4" Short	1"	2"	25	125
01305	3/4" Long	1"	3-1/2"	25	100



Heli-Pin™

Facade Anchor

BASE MATERIAL
Concrete, Block, Brick, Stone, Clay Tile and Wood

SIZE RANGE
8mm (5/16") x 6" to 8mm (5/16") x 12"

ANCHOR MATERIAL
Type 304 Stainless Steel

The Heli-Pin anchor is a one-piece, stainless steel helical wall tie system used for anchoring existing brick veneers to the back-up structural members without exposed hardware. Existing facades constructed of various masonry materials can be reattached and reinforced using the Heli-Pin. They are ideal for stabilizing areas with missing or corroded wall ties as well as retrofits to multiple width masonry wall sections. The Heli-Pin is installed in predrilled holes with a Heli-Pin setting tool and a SDS-Plus shank roto-hammer drill.

CAT #	ITEM DESCRIPTION	BOX	CTN
08341	Heli-Pin Anchor 8mm (5/16") x 6"	100	600
08342	Heli-Pin Anchor 8mm (5/16") x 8"	100	300
08343	Heli-Pin Anchor 8mm (5/16") x 10"	100	400
08344	Heli-Pin Anchor 8mm (5/16") x 12"	50	100
08345	Heli-Pin SDS Setting Tool	1	2



Spike®

Pre-Expanded Anchor

BASE MATERIAL
Concrete, Block

SIZE RANGE
3/16" x 1" to 1/2" x 6-1/2"

ANCHOR MATERIAL
Carbon Steel and Type 316 Stainless Steel

The Spike anchor is a patented, one-piece, tamper-proof anchor for use in concrete, block, brick or stone. Several head styles are available and offered in carbon and type 316 stainless steel. The Spike anchor is formed with an "s" shaped configuration at the working end of the anchor to create an expansion mechanism. Since the anchor is pre-expanded, there is no secondary tightening operation.

MUSHROOM HEAD GRADE 8.2 CARBON STEEL SPIKE					
CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
05502	3/16" x 1"	3/16"	7/8"	100	1000
05503	3/16" x 1-1/4"	3/16"	7/8"	100	1000
05504	3/16" x 1-1/2"	3/16"	1-1/4"	100	1000
05506	3/16" x 2"	3/16"	1-1/4"	100	1000
05508	3/16" x 2-1/2"	3/16"	1-1/4"	100	600
05510	3/16" x 3"	3/16"	1-1/4"	100	600
05511	3/16" x 3-1/2"	3/16"	1-1/4"	100	600
05512	3/16" x 4"	3/16"	1-1/4"	100	600
05522	1/4" x 1"	1/4"	7/8"	100	1000
05523	1/4" x 1-1/4"	1/4"	1"	100	1000
05524	1/4" x 1-1/2"	1/4"	1-1/4"	100	1000



CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
05526	1/4" x 2"	1/4"	1-1/4"	100	600
05528	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
05530	1/4" x 3"	1/4"	1-1/4"	100	600
05531	1/4" x 3-1/2"	1/4"	1-1/4"	100	600
05532	1/4" x 4"	1/4"	1-1/4"	100	600
05546	3/8" x 2"	3/8"	1-3/4"	25	250
05548	3/8" x 2-1/2"	3/8"	1-3/4"	25	150
05550	3/8" x 3"	3/8"	1-3/4"	25	150
05551	3/8" x 3-1/2"	3/8"	1-3/4"	25	150
05552	3/8" x 4"	3/8"	1-3/4"	25	150
05554	3/8" x 5"	3/8"	1-3/4"	25	150
05556	3/8" x 6"	3/8"	1-3/4"	25	125
05569	1/2" x 2-3/4"	1/2"	2-1/2"	50	200
05571	1/2" x 3-1/2"	1/2"	2-1/2"	50	150
05572	1/2" x 4"	1/2"	2-1/2"	25	125
05574	1/2" x 5"	1/2"	2-1/2"	25	125
05577	1/2" x 6-1/2"	1/2"	2-1/2"	25	100

The published length is measured from below the head to the end of the anchor.



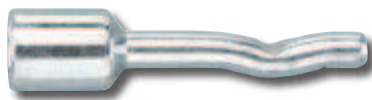
FLAT HEAD GRADE 8.2 CARBON STEEL SPIKE					
CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
05608	3/16" x 2-1/2"	3/16"	1-1/4"	100	600
05610	3/16" x 3"	3/16"	1-1/4"	100	600
05612	3/16" x 4"	3/16"	1-1/4"	100	600
05624	1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
05626	1/4" x 2"	1/4"	1-1/4"	100	600
05628	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
05630	1/4" x 3"	1/4"	1-1/4"	100	600
05631	1/4" x 3-1/2"	1/4"	1-1/4"	100	600
05632	1/4" x 4"	1/4"	1-1/4"	100	500

The published length is the overall length of the anchor.

MUSHROOM HEAD TYPE 316 STAINLESS STEEL SPIKE					
CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
06602	3/16" x 1"	3/16"	7/8"	100	1000
06603	3/16" x 1-1/4"	3/16"	7/8"	100	1000
06604	3/16" x 1-1/2"	3/16"	1-1/4"	100	1000
06606	3/16" x 2"	3/16"	1-1/4"	100	1000
06623	1/4" x 1-1/4"	1/4"	1"	100	1000
06624	1/4" x 1-1/2"	1/4"	1-1/4"	100	600
06626	1/4" x 2"	1/4"	1-1/4"	100	600
06628	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
06630	1/4" x 3"	1/4"	1-1/4"	100	600
06646	3/8" x 2"	3/8"	1-3/4"	25	250
06648	3/8" x 2-1/2"	3/8"	1-3/4"	25	250
06650	3/8" x 3"	3/8"	1-3/4"	25	250

The published length is measured from below the head to the end of the anchor.

Special Application Spike® Anchors



ROD HANGING- PIPE SPIKE GRADE 8.2 CARBON STEEL					
CAT #	SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
03755	1/4"	3/16"	1-1/4"	100	600
03758	3/8"	1/4"	1-3/4"	50	300



SUSPENDED CEILINGS - TIE-WIRE SPIKE GRADE 8.2 CARBON STEEL						
CAT #	SIZE	DRILL DIA.	MIN. EMBED.	TIE-WIRE HOLE SIZE	BOX	CTN
03756	3/16"	3/16"	1-1/4"	3/16"	100	600
03759	1/4"	1/4"	1-1/4"	9/32"	100	600



CONCRETE FORMING - FORMING SPIKE GRADE 8.2 CARBON STEEL					
CAT #	ANCHOR SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
037950	3/16" x 1-1/2"	3/16"	1-1/4"	100	600
03796	3/16" x 2"	3/16"	1-1/4"	100	600
03797	3/16" x 2-3/4"	3/16"	1-1/4"	100	600
03794	1/4" x 2-3/4"	1/4"	1-1/4"	100	500

While the Spike anchor can easily be installed using a hammer, a specially designed series of drivers and manual tools provide a fast, easy to use method for installation into concrete and masonry materials. The tools allow Spike anchors to be installed in confined areas and prevent damage to the fixture from stray hammer blows.



SPIKE INSTALLATION TOOLS			
CAT #	TOOL DESCRIPTION	TIP O.D.	BOX
03790	Spike Driver 1000	1/2"	1
03791	Spike Driver 2000	1/2"	1

DRIVE®

Split Pin Type Pre-Expander Anchor

BASE MATERIAL

Concrete

SIZE RANGE

3/16" x 1-1/2" to 1/2" x 3"

ANCHOR MATERIAL

Carbon Steel

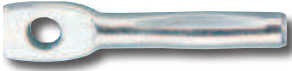
The Drive is a one piece tamper-proof, pre-expanded anchor available in carbon steel for use in concrete and stone. Tie-Wire Drive anchors are used for suspended ceiling applications. The flat head (counter-sunk) style is particularly suited for wood-to-concrete anchoring. The round head style is for all other applications requiring fast, permanent installations.



ROUND HEAD DRIVE					
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
03211	1/4" x 1-1/4"	1/4"	1-1/8"	100	1000
03241	1/4" x 1-1/2"	1/4"	1-1/8"	100	1000
03271	1/4" x 2"	1/4"	1-1/8"	100	600
03301	1/4" x 2-1/2"	1/4"	1-1/8"	100	600
03601	3/8" x 2"	3/8"	1-7/8"	25	250
03631	3/8" x 2-1/2"	3/8"	1-7/8"	25	150
03691	3/8" x 3-1/2"	3/8"	1-7/8"	25	150
03781	1/2" x 3"	1/2"	2-5/8"	25	150



FLAT HEAD DRIVE					
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
03092	3/16" x 1-1/2"	3/16"	7/8"	100	1000
03122	3/16" x 2"	3/16"	7/8"	100	1000
03152	3/16" x 2-1/2"	3/16"	7/8"	100	600
03162	3/16" x 3"	3/16"	7/8"	100	600
03242	1/4" x 1-1/2"	1/4"	1-1/8"	100	1000
03272	1/4" x 2"	1/4"	1-1/8"	100	600
30302	1/4" x 2-1/2"	1/4"	1-1/8"	100	600
03332	1/4" x 3"	1/4"	1-1/8"	100	600
03362	1/4" x 3-1/2"	1/4"	1-1/8"	100	600
03392	1/4" x 4"	1/4"	1-1/8"	100	600



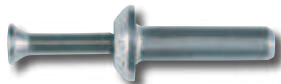
TIE-WIRE DRIVE (13/64" TIE-WIRE HOLE)					
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
03244	1/4" x 1-3/4"	1/4"	1-1/8"	500	-
03245	1/4" x 1-3/4"	1/4"	1-1/8"	100	1000

Zamac Hammer-Screw® Anchor

Nail Anchor

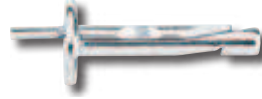
BASE MATERIAL	Concrete, Block, Brick, Stone
SIZE RANGE	1/4" x 3/4" to 1/4" x 3"
ANCHOR MATERIAL	Zamac Alloy with Carbon Steel or Perma-Seal Drive Screw

The Zamac Hammer-Screw is a unique, one-step drive anchor featuring a Phillips type head and an internal screw thread for use in concrete, block, brick or stone. The anchor has a body formed from corrosion resistant Zamac alloy with a carbon steel drive screw, and has been developed as an improvement over standard nailin anchors. The anchor is removable and is also offered with an optional Perma-Seal coated screw.



ZAMAC HAMMER-SCREW - MUSHROOM HEAD / NO. 2 PHILLIPS TYPE SCREW CARBON STEEL					
CAT #	SIZE	DRILL DIA.	BOX	CTN	
02839	1/4" x 3/4"	1/4"	100	500	
02840	1/4" x 1"	1/4"	100	500	
02842	1/4" x 1-1/4"	1/4"	100	500	
02844	1/4" x 1-1/2"	1/4"	100	500	
02846	1/4" x 2"	1/4"	100	500	
02848	1/4" x 2-1/4"	1/4"	100	500	
02850	1/4" x 3"	1/4"	100	500	

MASTER PACK WITH CARBON STEEL SCREW					
CAT #	SIZE	DRILL DIA.	BOX	CTN	
02939	1/4" x 3/4"	1/4"	1000	-	
02940	1/4" x 1"	1/4"	1000	-	
02942	1/4" x 1-1/4"	1/4"	1000	-	
02944	1/4" x 1-1/2"	1/4"	1000	-	
02946	1/4" x 2"	1/4"	1000	-	
02948	1/4" x 2-1/4"	1/4"	1000	-	
02949	1/4" x 3"	1/4"	1000	-	



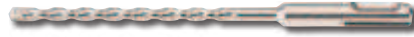
Safe-T Pin

Nail Anchor

BASE MATERIAL	Concrete, Block, Brick, Stone
SIZE RANGE	1/4" x 1-3/8" and 1/4" x 2-1/2"
ANCHOR MATERIAL	Carbon Steel

The Powers Safe-T Pin is a one piece, all steel, nail drive anchor that can be used in concrete, block, brick or stone. Each box of Safe-T pins comes with a 6MM SDS carbide drill bit for ease of installation. Typical applications include HVAC Duct Straps, light to medium duty signage, and termination bar, flooring, etc. Available in 1 diameter and two lengths. Just drill a hole and hammer it in.

SAFE-T PIN					
CAT #	SIZE	DRILL DIA.	BOX	CTN	
2800SD	6mm (1/4") x 1-3/8"	6mm	100	600	
2801SD	6mm (1/4") x 2-1/2"	6mm	100	600	



SAFE-T PIN DRILL BIT					
CAT #	DESCRIPTION	DIA.	USABLE LENGTH	BOX	CTN
02800	Drill Bit	6mm	3-1/4"	250	-

Zamac Nailin® Anchor

Drive Pin Type Anchor

BASE MATERIAL	Concrete, Block, Brick, Stone
SIZE RANGE	3/16" x 7/8" to 1/4" x 3"
ANCHOR MATERIAL	Zamac Alloy with Carbon or Stainless Steel Drive Pin

The Zamac Nailin is a tamper-proof nail drive anchor which has a body formed from Zamac alloy. Nails are available in carbon or stainless steel. The anchor can be used in concrete, block, brick or stone.



MUSHROOM HEAD ZAMAC NAILIN - CARBON STEEL NAIL					
CAT #	SIZE	DRILL DIA.	BOX	CTN	
02802	3/16" x 7/8"	3/16"	100	500	
02806	1/4" x 3/4"	1/4"	100	500	
02808	1/4" x 1"	1/4"	100	500	
02814	1/4" x 1-1/4"	1/4"	100	500	
02820	1/4" x 1-1/2"	1/4"	100	500	
02826	1/4" x 2"	1/4"	100	500	
02804	1/4" x 3"	1/4"	100	500	

MASTER PACK					
CAT #	SIZE	DRILL DIA.	MSTR CTN		
02803	3/16" x 7/8"	3/16"	1000		
02807	1/4" x 3/4"	1/4"	1000		
02809	1/4" x 1"	1/4"	1000		
02815	1/4" x 1-1/4"	1/4"	1000		
02821	1/4" x 1-1/2"	1/4"	1000		
02827	1/4" x 2"	1/4"	1000		
02805	1/4" x 3"	1/4"	1000		



FLAT HEAD ZAMAC NAILIN - CARBON STEEL NAIL					
CAT #	SIZE	DRILL DIA.	BOX	CTN	
02836	1/4" x 1-1/2"	1/4"	100	500	
02838	1/4" x 2"	1/4"	100	500	



MUSHROOM HEAD ZAMAC NAILIN - STAINLESS STEEL NAIL				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02858	1/4" x 1"	1/4"	100	500
02864	1/4" x 1-1/4"	1/4"	100	500
02870	1/4" x 1-1/2"	1/4"	100	500
02876	1/4" x 2"	1/4"	100	500

Nylon Nailin® Anchor

Plastic Drive Pin Type Anchor

BASE MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

3/16" x 1" to 1/4" x 6"

ANCHOR MATERIAL

Engineered Nylon with Carbon or Stainless Steel Drive Pin

The Nylon Nailin is a pin drive anchor with a body formed from engineered nylon and nails available in carbon and stainless steel. The anchor can be used in concrete, block, brick or stone.



ROUND HEAD NYLON NAILIN - CARBON STEEL NAIL				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02431	3/16" x 1"	3/16"	100	1000
02451	3/16" x 1-1/2"	3/16"	100	1000
02521	1/4" x 1"	1/4"	100	1000
02541	1/4" x 1-1/2"	1/4"	100	1000



FLAT HEAD NYLON NAILIN- CARBON STEEL NAIL				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02542	1/4" x 1-1/2"	1/4"	100	1000
02562	1/4" x 2"	1/4"	100	1000



MUSHROOM HEAD NYLON NAILIN CARBON STEEL NAIL				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02433	3/16" x 1"	3/16"	100	1000
02513	1/4" x 3/4"	1/4"	100	1000
02523	1/4" x 1"	1/4"	100	1000
02543	1/4" x 1-1/2"	1/4"	100	1000
02563	1/4" x 2"	1/4"	100	1000
02573	1/4" x 3"	1/4"	100	1000
02583	1/4" x 4"	1/4"	100	1000



MUSHROOM HEAD NYLON NAILIN STAINLESS STEEL NAIL				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02528	1/4" x 1"	1/4"	100	1000
02548	1/4" x 1-1/2"	1/4"	100	1000



MUSHROOM HEAD BODIES ONLY				
CAT #	SIZE	DRILL DIA.	BOX	CTN
02574	1/4" x 3"	1/4"	2500	-





	Page	Base Material										Anchor Diameter										Head Style					Coating/Material											
		Concrete	Lightweight Concrete	Hollow Core Plank	Grout-filled Concrete Masonry	Hollow Concrete Masonry	Solid Brick	Hollow Brick	Stone	Structural Clay/Tile	Plywood	Wallboard / Plaster	No. 4 Screw	No. 5 Screw	No. 6 Screw	No. 7 Screw	No. 8 Screw	No. 9 Screw	No. 10 Screw	No. 12 Screw	No. 14 Screw	No. 16 Screw	No. 18 Screw	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	Finished (Hex) Head	Round Head	Flat Head (Countersunk)	Mushroom Head	Removable	Coated / Plated Carbon Steel	Zamac Alloy	Nylon Plastic	Lead
Metal Anchors	Wall Dog	50	●	○	○	●	●	○		●	●																		●									
	Scru-Lead	51	●	○	○	○	●	●	○				●	●	●		●	●	●	●	●	●	●															●
	Toggle-Bolt	51			○		●		○		○	●	●											●	●	●	●	●	●	●	●	●	●	●	●	●		
	Polly	52			○		●				○	●	●											●	●	●										●		
	Legs	52												●	●	●																				●		
	Zip-All	52												●	●	●																		●	●			
Plastic Anchors	Sharkie	52	●	●	●	●	○	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●															●	
	Strap-Toggle	53			○		●		○		○	○	○											●	●				●					●	●			
	Zip-It / Zinc Zip-It	53											●	●	●	●	●	●	●	●	●	●													●	●		
	Zip-Toggle	53											●	●	●	●	●	●	●	●	●	●													●			
	Poly-Toggle	53	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○														●	
	Pop-Toggle	54	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○														●	
	Bantam Plug	54	●	○	○	○	○	○	○				●	●	●	●	●	●	●	●	●	●	●													●		
Fluted Plastic	54	●	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○														●		

● Suitable ○ May be Suitable



Wall Dog®

Universal Light-Duty Anchor

BASE MATERIAL
Wallboard (1/2", 5/8" & double wallboard), Plywood, Concrete, Hollow or Grout Filled Block, Brick, Plaster, Wood and Masonry

SIZE RANGE
3/16" Diameter x 1-1/4" Length

ANCHOR MATERIAL
Case Hardened Carbon Steel

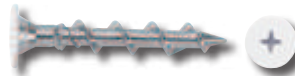
Wall Dog is the industry's first all steel one-piece screw anchor, featuring high-profile threads for easy fastening into wallboard & other masonry base materials. Its deep cutting, corkscrew-like threads provide for smooth entry and a strong hold. When removed, the Wall Dog leaves a much smaller hole than toggles or other systems. For fastening into wallboard or wood, no pre-drilling is required. Fastening into concrete, hollow or grout filled block, brick and plaster requires a pre-drilled 3/16" ANSI hole.

Features and Benefits

- Installs in wallboard, plywood, concrete, hollow or grout filled block, brick and plaster
- Patented design provides for smooth entry, clean cutting and a strong hold
- Thread design prevents spinning and stripping
- Heat treated point can penetrate metal and wood studs
- Self-drills in wallboard and in plywood
- Installs quickly and easily with a Phillips® screwdriver



CAT #	DESCRIPTION	STD. BOX	CTN	MASTER CTN
2265	1-1/4" Combo HWH Zinc		5000	
2271	1-1/4" Combo HWH Zinc	100	1000	N/A



CAT #	DESCRIPTION	STD. BOX	CTN	MASTER CTN
2277	1/4" x 1-1/2" White Wafer Head	100	500	N/A
2278	1/4" x 2" White Wafer Head	100	500	N/A
2279	1/4" x 2-1/4" White Wafer Head	100	500	N/A
2280	1/4" x 2-1/2" White Wafer Head	100	500	N/A

Phillips® is a registered trademark of Phillips Consumer Electronics Corporation.



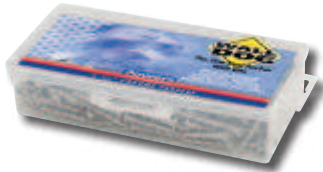
CAT #	DESCRIPTION	STD. BOX	CTN	MASTER CTN
2281	1-1/4" Zinc Robertson Head		5000	
2266	1-1/4" Zinc Robertson Head	100	1000	N/A



CAT #	DESCRIPTION	STD. BOX	CTN	MASTER CTN
2314	1-1/4" Zinc Oval Head	100	1000	N/A
2328	1-1/4" White Oval Head	100	1000	N/A
2288	1-1/4" Black Oval Head	100	500	N/A
2292	1-1/4" Brass Oval Head	100	500	N/A



CAT #	DESCRIPTION	STD. BOX	CTN	MASTER CTN
2316	1-1/4" Zinc Pan Head	100	1000	N/A
2330	1-1/4" White Pan Head	100	1000	N/A
2273	1-1/2" White Pan Head	100	600	N/A
2274	1-1/2" Bronze Pan Head	100	600	N/A
2275	1-1/2" Zinc Pan Head	100	600	N/A
2276	1-1/2" Black Phosphate Pan Head	100	600	N/A
2286	1-1/4" Black Pan Head	100	500	N/A
2294	1-1/4" Brass Pan Head	100	500	N/A



WALL-DOG KIT (SCREWDRIVER)			
PACKAGED WITH 50 ZINC PANHEAD ANCHORS AND 1 PHILLIPS® SCREWDRIVER			
CAT #	DESCRIPTION	STD. BOX	CTN
2289	Wall-Dog Kit with Screwdriver	1	10

WALL-DOG KIT (BIT)			
PACKAGED WITH 50 ZINC PANHEAD ANCHORS AND 3/16" STRAIGHT SHANK BIT			
CAT #	DESCRIPTION	STD. BOX	CTN
2332	Wall-Dog Kit with Drill Bit	1	10



Scru-Lead

Wall Anchor

BASE MATERIAL	Concrete, Block, Brick
SIZE RANGE	No. 6-8 x 3/4" to No. 16-18 x 1-1/2"
ANCHOR MATERIAL	Lead Alloy

The Scru-Lead anchor is designed for use with sheet metal or wood screws in concrete, block or brick. Made entirely of lead alloy which is soft enough for easy installation, yet hard enough to give holding strength, the performance of this product is dependent on the integrity of the base material.

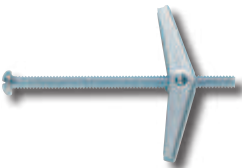
CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
09409	6-8 x 3/4"	1/4"	3/4"	100	1000
09414	6-8 x 1"	1/4"	1"	100	1000
09419	6-8 x 1-1/2"	1/4"	1-1/2"	100	500
09429	10-14 x 1"	5/16"	1"	100	1000
09439	10-14 x 1-1/2"	5/16"	1-1/2"	100	600
09460	16-18 x 1-1/2"	3/8"	1-1/2"	25	250

Toggle Bolt

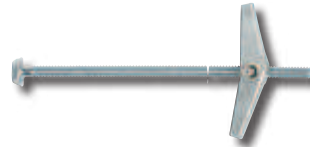
Hollow Wall Anchor

BASE MATERIAL	Hollow Block, Wallboard, Plaster
SIZE RANGE	1/8" x 2" to 1/2" x 4"
ANCHOR MATERIAL	Carbon Steel

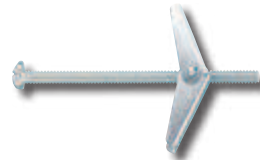
The Toggle Bolt is a spring wing type hollow wall anchor designed for use in block, wallboard and other hollow base materials. A two-part assembly consisting of a machine screw and a spring wing toggle, sizes range from 1/8" x 2" to 1/2" x 4" with combo round, flat, mushroom, tie-wire or slotted hex head styles.



COMBO MUSHROOM HEAD				
CAT #	SIZE	DRILL DIA.	BOX	CTN
04133	3/16" x 3"	1/2"	50	500
04143	3/16" x 4"	1/2"	50	500
04233	1/4" x 3"	5/8"	50	500
04243	1/4" x 4"	5/8"	50	500



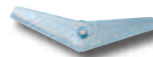
SLOTTED HEX HEAD				
CAT #	SIZE	DRILL DIA.	BOX	CTN
04038	1/8" x 3"	3/8"	50	500



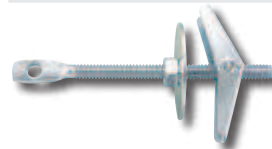
COMBO ROUND HEAD				
CAT #	SIZE	DRILL DIA.	BOX	CTN
04021	1/8" x 2"	3/8"	50	500
04031	1/8" x 3"	3/8"	50	500
04041	1/8" x 4"	3/8"	50	500
04341	5/16" x 4"	7/8"	25	250
04431	3/8" x 3"	7/8"	25	250
04441	3/8" x 4"	7/8"	25	250
04451	3/8" x 5"	7/8"	25	125
04461	3/8" x 6"	7/8"	25	125
04541	1/2" x 4"	1-1/4"	25	-



FLAT HEAD				
CAT #	SIZE	DRILL DIA.	BOX	CTN
04132	3/16" x 3"	1/2"	50	500
04142	3/16" x 4"	1/2"	50	500
04232	1/4" x 3"	5/8"	50	500



TOGGLE WINGS ONLY				
CAT #	SIZE	DRILL DIA.	BOX	CTN
04000	1/8"	3/8"	100	500
04020	3/16"	1/2"	100	1000
04220	1/4"	5/8"	100	1000
04330	5/16"	7/8"	50	500
04430	3/8"	7/8"	50	500
04540	1/2"	1-1/4"	25	-



TIE-WIRE ACOUSTICAL TOGGLE					
CAT #	SIZE	TIE WIRE HOLE SIZE	DRILL DIA.	BOX	CTN
04257	1/4" x 5"	7/32"	5/8"	100	-



Polly

Hollow Wall Anchor

BASE MATERIAL	Plaster, Wallboard, Block, Hollow Tile, Plywood
SIZE RANGE	1/8" extra short to 1/4" long
ANCHOR MATERIAL	Carbon Steel

The Polly is a sleeve type hollow wall anchor designed for use in base materials such as plaster, wallboard, concrete block, hollow tile or plywood.



COMBINATION SLOTTED PHILLIPS HEAD POLLY						
CAT #	SIZE	SCREW LENGTH	DRILL DIA.	WALL THICKNESS	BOX	CTN
02100	1/8" XS	1-1/16"	5/16"	1/8"-1/4"	100	500
02101	1/8" S	1-3/4"	5/16"	3/8"-1/2"	100	500
02102	1/8" L	2-1/4"	5/16"	5/8"-1"	100	500
02111	3/16" S	2"	3/8"	3/8"-5/8"	50	250
02112	3/16" L	2-1/2"	3/8"	3/4"-1-1/8"	50	250
02113	3/16" XL	3"	3/8"	1-1/4"-1-3/4"	25	125
02121	1/4" S	2-1/4"	7/16"	3/8"-1/2"	50	250
02122	1/4" L	2-3/4"	7/16"	5/8"-1-1/8"	50	250

XS - Extra Short S - Short L - Long XL - Extra Long

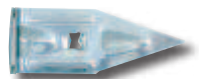


SLOTTED HEX HEAD POLLY						
CAT #	SIZE	SCREW LENGTH	DRILL DIA.	WALL THICKNESS	BOX	CTN
02105	1/8" S	1-3/4"	5/16"	3/8"-1/2"	100	500

DRIVE POLLY						
CAT #	SIZE	SCREW LENGTH	WALL THICKNESS	BOX	CTN	
02182	1/8" S	2"	3/8"-1/2"	100	500	
02184	1/8" L	2-3/8"	1/2"-3/4"	100	500	



POLLY SETTING TOOL (FITS ALL SIZES)			
CAT #	DESCRIPTION	BOX	CTN
02150	Polly Setting Tool	1	-



Legs

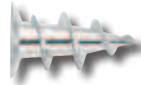
Wallboard Anchor

BASE MATERIAL	Wallboard
SIZE RANGE	Use with No. 6 or No. 8 screw
ANCHOR MATERIAL	Carbon Steel

The Legs anchor is a fast, easy to use expansion anchor designed for use in wallboard. The anchor has a pierce point, requiring no pre-drilling. Removal of the anchor, if required, is easy. Once removed, the anchor leaves a small slit in the wallboard.

LEGS WALLBOARD ANCHOR			
CAT. NO.	DESCRIPTION	BOX	CTN
02336	Legs Wallboard Anchor	100	1000
02335	Legs Anchor w/ No.8 x 1" Screw	100	1000

MASTER PACK		
CAT #	DESCRIPTION	MASTER CTN
02338	Legs Wallboard Anchor	5000



Zip-All®

Wallboard Anchor

BASE MATERIAL	Wallboard
SIZE RANGE	Use with No. 6 or No. 8 screw
ANCHOR MATERIAL	Zamac Alloy

The Zip-All anchor is a one piece self drilling anchor designed for use in hollow gypsum wallboard and wood for light duty loads. It is available in Zamac alloy for use with either a No. 6 or No. 8 screws in 3/8" to 1" wallboard.

ZIP-ALL				
CAT #	WALL THICKNESS	DESCRIPTION	BOX	CTN
02296	3/8" to 1"	Zinc - no screws	100	1000
02297	3/8" to 1"	Zinc - with screws	100	1000



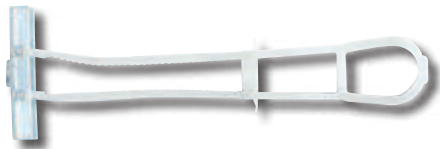
Sharkie

Plastic Wall Anchor

BASE MATERIAL	Concrete, Block, Brick & Wallboard
SIZE RANGE	Use with No. 4 x 1" to No. 14 x 1-9/16" screw
ANCHOR MATERIAL	Plastic

The Sharkie is a one-piece plastic anchor designed for light duty applications in wallboard, concrete and masonry. The Sharkie works in hollow or solid base materials and is suitable for screws with various thread sizes and styles. Screws for the anchor may be installed with a screw gun.

SHARKIE DRYWALL ANCHOR			
CAT #	DESCRIPTION	BOX	CTN
07580	Sharkie Anchor Flange #4-#10	100	1000
07582	Sharkie Anchor Flange #6-#12	100	1000
07584	Sharkie Anchor Flange #8-#14	100	500



Strap-Toggle™

Hollow Wall Anchor

BASE MATERIAL	
Wallboard, Hollow Block, Plaster	
SIZE RANGE	
3/16" x 4" to 1/2" x 4"	
ANCHOR MATERIAL	
Plastic	

The Strap-Toggle is a pre-assembled anchor consisting of a carbon steel wing and a locking cap / ratchet leg assembly molded from engineered plastic. When compared to traditional toggles, this unique anchor can be installed through a smaller hole and does not require a fixture or screw to set in the base material.

CAT #	SIZE	DRILL DIA.	WALL THICKNESS	BOX	CTN
04052	3/16" x 4"	1/2"	2-1/2"	50	300
04054	1/4" x 4"	1/2"	2-1/2"	50	300
04056	3/8" x 4"	3/4"	2-1/2"	25	150
04058	1/2" x 4"	3/4"	2-1/2"	25	150

Zip-It® and Zip-It® Jr.

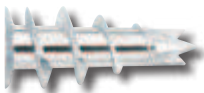
Wallboard Anchor

BASE MATERIAL	
Wallboard	
SIZE RANGE	
Use with No. 6 or No. 8 screw	
ANCHOR MATERIAL	
Engineered Nylon or Zamac Alloy	

The Zip-It anchor is a one piece self drilling anchor designed for use in hollow gypsum wallboard for light duty loads. It is available in both engineered nylon and Zamac alloy for use with either a No. 6 or No. 8 screws in 3/8" to 1" wallboard. The Zip-It Jr. is formed from engineered nylon for use with No. 6 screws in 3/8" to 5/8" wallboard.



CAT #	WALL THICKNESS	DESCRIPTION	BOX	CTN
02345	3/8" to 1"	Nylon Zip-It, no screws	100	1000
02348	3/8" to 1"	Nylon Zip-It, No. 8 x 1" screws	100	1000
02355	3/8" to 1"	Nylon Zip-It, no screws (master carton)	-	5000

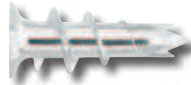


CAT #	WALL THICKNESS	DESCRIPTION	BOX	CTN
02346Z	3/8" to 1"	Zinc Zip-It, no screws	100	1000
02349Z	3/8" to 1"	Zinc Zip-It, No. 8 x 1" screws	100	1000
02356Z	3/8" to 1"	Zinc Zip-It, no screws (master carton)	-	1000

CAT #	MATERIAL	DESCRIPTION	BOX	CTN
02368	Nylon	50 anchors & No. 8 x 1" screws	1	10
02369Z	Zinc	50 anchors & No. 8 x 1" screws	1	10

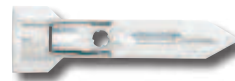


CAT #	WALL THICKNESS	DESCRIPTION	BOX	CTN
02351	3/8"-5/8"	Nylon Zip-It Jr. & No. 6 x 1" screws	100	1000



CAT #	WALL THICKNESS	DESCRIPTION	BOX	CTN
02362Z	3/8"-5/8"	Zinc Zip-It Jr., no screws	100	1000
02364Z	3/8"-5/8"	Zinc Zip-It Jr., No. 8 x 1" screws	100	1000
02363Z	3/8"-5/8"	Zinc Zip-It Jr., no screws (master carton)	-	5000

CAT #	MATERIAL	DESCRIPTION	BOX	CTN
02367	Nylon	50 Anchors, No. 6 x 1" screws & No. 2 Phillips Driver Bit	1	10



Zinc Zip-Toggle®

Hollow Wall Anchor

BASE MATERIAL	
Wallboard	
SIZE RANGE	
Use with No. 6 x 2" screw	
ANCHOR MATERIAL	
Zamac Alloy	

The Zip-Toggle is a hollow gypsum wallboard anchor designed to provide superior performance without the need to pre-drill larger diameter holes. The Zip-Toggle is packaged with its own No. 6 x 2" lubricated screw for 3/8" to 5/8" wallboard.

CAT #	SIZE	SCREWS	BOX	CTN
02295	Metal Zip-Toggle with screws	No. 6 x 2"	50	250



Poly-Toggle®

Plastic Hollow Wall Anchor

BASE MATERIAL	
Wallboard or Solid Masonry	
SIZE RANGE	
1/8" to 5/8" Wall Thickness	
ANCHOR MATERIAL	
Plastic	

The Poly-Toggle is a screw actuated hollow wall anchor for use in paneling, wallboard and solid masonry available in 4 sizes to match the most common wall thicknesses. In solid base materials, the anchor can be used by removing the outer wings. The performance of this product depends on the integrity of the base material in which it is installed.

CAT #	SIZE	WALL THICKNESS	DRILL DIA.	BOX	CTN
02302	Mini	1/8"	5/16"	100	1000
02303	Short	3/8"	5/16"	100	1000
02304	Medium	1/2"	5/16"	100	1000
02305	Long	5/8"	5/16"	100	1000



Pop-Toggle

Hollow Wall Anchor

BASE MATERIAL	Gypsum Wallboard, Plaster, Plywood & some Hollow Masonry
SIZE RANGE	Wall thickness from 1/8" to 5/8", No. 6 to No. 10 wood or sheet metal screws
ANCHOR MATERIAL	Plastic

Pop-Toggle fasteners are hollow wall anchors ideal for static applications requiring light duty performance. Installation is easy, needing a pre-drilled 5/16" diameter hole. The fastener pre-installs without a screw, allowing for easy placement and removal of the fixture.

CAT #	DESCRIPTION	BOX	CTN
04060	Pop-Toggle Small	100	1000
04062	Pop-Toggle Medium	100	1000
04064	Pop-Toggle Large	100	1000



Bantam Plug

Plastic Wall Anchor

BASE MATERIAL	Concrete, Block, Brick, Wallboard
SIZE RANGE	No. 6-8 x 3/4" to No. 14-16 x 1-1/2"
ANCHOR MATERIAL	Plastic

The Bantam Plug anchor is a plastic anchor designed for use with lightweight fixtures with a sheet metal or wood screw.

CAT #	SIZE	DRILL DIA.	MIN. DEPTH	BOX	CTN
07559	6-8 x 3/4"	3/16"	3/4"	100	1000
07569	8-10 x 7/8"	3/16"	7/8"	100	5000
07579	10-12 x 1"	1/4"	1"	100	5000
07589	14-16 x 1-1/2"	5/16"	1-1/2"	50	2500

100 Anchors and screws plus one drill bit per kit. For additional kits see page 86.



Fluted Plastic Anchor

Plastic Wall Anchor

BASE MATERIAL	Concrete, Block, Brick, Stone
SIZE RANGE	No. 4-6 x 1" to No. 14 x 1-1/2"
ANCHOR MATERIAL	Plastic

The Fluted Plastic Anchor is designed for light duty fastening applications with sheet metal or wood screws. Longitudinal ribs on the anchor body prevent it from turning during tightening of the screw. This standard plastic screw anchor comes color-coded by diameter for easy application.

CAT #	SIZE	COLOR	DRILL DIA.	MIN. DEPTH	BOX	CTN
07500	4-6 x 1"	White	3/16"	1"	100	5000
07510	10-12 x 1"	Green	1/4"	1"	100	5000
07515	10-12 x 1-1/4"	Green	1/4"	1-1/4"	100	1000
07520	10-12 x 1-1/2"	Green	1/4"	1-1/2"	100	1000
07530	14 x 1-1/2"	Blue	5/16"	1-1/2"	100	1000

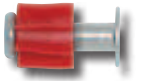


.300 Head Drive Pins

Standard Pins

Drive pins with a 0.300" diameter head are designed for permanently fastening a fixture to concrete, some types of masonry and A36 structural steel. Drive pins are manufactured with a 0.145" diameter shank in various lengths. Knurled shank designs are available to increase performance in steel base materials. A plastic flute is mounted over the point to retain the drive pin in the fastener guide of the tool providing guidance during the driving operation.

.300 HEAD DRIVE PINS					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50012	1/2" (K)	.300	.145	100	5000
50016	5/8" (K)	.300	.145	100	5000
50022	3/4"	.300	.145	100	5000
50023	3/4" Black Ox	.300	.145	100	5000
50026	1"	.300	.145	100	5000
50032	1-1/4"	.300	.145	100	1000
50034	1-1/2"	.300	.145	100	1000
50038	2"	.300	.145	100	1000
50040	2-1/4"	.300	.145	100	1000
50044	2-1/2"	.300	.145	100	1000
50048	3"	.300	.145	100	1000



The pins listed below are used primarily for applications fastening drywall track to concrete or steel. They are assembled with a metal top hat to provide extra bearing surface against the drywall track.

.300 HEAD DRIVE PINS WITH TOP HAT					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50136	1/2" (K)	.300	.145	100	5000
50138	5/8" (K)	.300	.145	100	5000
50140	3/4"	.300	.145	100	5000
50144	1"	.300	.145	100	5000



BALLISTIC POINT PIN					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50057	1-7/8"	.300	.145	100	1000

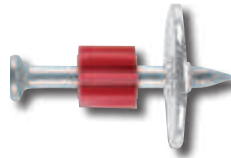
Washed Pins

To provide resistance to pullover, these pins are available with pre-assembled 14 gage (0.075") metal washers in various diameters. The insulation washer has a thickness of 0.035".



.300 HEAD DRIVE PINS WITH 3/4" WASHER					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50070	3/4"	.300	.145	100	1000
50080	2-1/2"	.300	.145	100	1000

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.300 HEAD DRIVE PINS WITH 7/8" WASHER					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50090	1"	.300	.145	100	1000
50092	1-1/4"	.300	.145	100	1000
50094	1-1/2"	.300	.145	100	1000
50096	2"	.300	.145	100	1000
50098	2-1/2"	.300	.145	100	1000
50100	3"	.300	.145	100	1000



.300 HEAD DRIVE PINS WITH 1" WASHER					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50108	1-1/4"	.300	.145	100	1000
50110	1-1/2"	.300	.145	100	1000
50112	2"	.300	.145	100	1000
50114	2-1/2"	.300	.145	100	1000
50116	3"	.300	.145	100	1000

.300 HEAD DRIVE PINS WITH SPECIALTY WASHERS						
CAT #	SHANK LENGTH	WASHER TYPE	HEAD DIA.	SHANK DIA.	BOX	CTN
50120	3"	1" square washer	.300	.145	100	1000
50122	1-1/2"	1" square insulation	.300	.145	100	1000

Powers' mechanically galvanized powder actuated fasteners are designed for fastening through pressure treated lumber into concrete and grout filled masonry. The fasteners are available with either a round or square washer for increased pullover resistance.



.300 HEAD DRIVE PINS (MECHANICALLY GALVANIZED)					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50034MG	1-1/2"	.300	.145	100	1000
50038MG	2"	.300	.145	100	1000
50045MG	2-1/2"	.300	.145	100	1000
50047MG	3"	.300	.145	100	1000

.300 HEAD DRIVE PINS WITH 1" WASHER (MECHANICALLY GALVANIZED)					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50110MG	1-1/2"	.300	.145	100	1000
50112MG	2"	.300	.145	100	1000
50113MG	2-1/2"	.300	.145	100	1000
50115MG	3"	.300	.145	100	1000



8mm Head Drive Pins

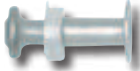
X-DN Type Pins 8mm Head Drive Pins

Drive Pins with a 8mm head are designed for permanently fastening a fixture to concrete, some types of masonry, and A36 or A572 structural steel. The pins are manufactured with a 0.145" diameter shank in various lengths. Knurled shank designs are available to increase performance in steel base materials. A 8mm plastic washer is mounted over the point to retain the drive pin in the fastener guide of the tool providing centered guidance during the driving operation.

CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50182	19mm (3/4") (K)	8mm	.145	100	5000
50184	22mm (7/8")	8mm	.145	100	5000
50186	27mm (1")	8mm	.145	100	5000
50188	32mm (1-1/4")	8mm	.145	100	1000
50190	37mm (1-1/2")	8mm	.145	100	1000
50194	47mm (1-7/8")	8mm	.145	100	1000
50196	52mm (2")	8mm	.145	100	1000
50198	57mm (2-1/4")	8mm	.145	100	1000
50200	62mm (2-1/2")	8mm	.145	100	1000
50202	72mm (2-7/8")	8mm	.145	100	1000

8mm Diameter Head Drive Pins with Top Hat

The pins listed below are used primarily for applications fastening drywall track to concrete or steel. They are assembled with a metal top hat to provide extra bearing surface against the drywall track.



8MM DIAMETER HEAD DRIVE PINS WITH TOP HAT					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50210	16mm (5/8") (K)	8mm	.145	100	5000
50214	22mm (7/8")	8mm	.145	100	5000
50216	27mm (1")	8mm	.145	100	5000

8MM DIAMETER HEAD DRIVE PINS WITH TOP HAT - MASTER PACK					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
51750	22mm (7/8")	8mm	.145	1000	5000

Washed Pins

To provide resistance to pullover, these pins are available with preassembled 14 gage (0.075") metal washers in various diameters.



8MM DIAMETER HEAD DRIVE PINS WITH 1" WASHER					
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50220	27mm (1")	8mm	.145	100	1000
50222	32mm (1-1/4")	8mm	.145	100	1000
50224	37mm (1-1/2")	8mm	.145	100	1000
50226	52mm (2")	8mm	.145	100	1000
50228	62mm (2-1/2")	8mm	.145	100	1000



8mm Head Collated Drive Pins

8MM HEAD X .145 DIA 10-FASTENER COLLATION						
CAT #	SHANK LENGTH	SHANK LENGTH (MM)	HEAD DIA.	SHANK DIA.	BOX	CTN
50240N	5/8" (K)	16	8mm	.145	500	2500
50242N	3/4" (K)	19	8mm	.145	500	2500
50244N	3/4"	19	8mm	.145	500	2500
50246N	7/8"	22	8mm	.145	500	2500
50248N	1"	27	8mm	.145	500	2500
50250N	1-1/4"	32	8mm	.145	500	2500
50252N	1-1/2"	37	8mm	.145	500	2500
50254N	1-5/8"	42	8mm	.145	500	2500
50256N	1-7/8"	47	8mm	.145	500	2500
50258N	2"	52	8mm	.145	500	2500
50260N	2-1/4"	57	8mm	.145	500	2500
50262N	2-1/2"	62	8mm	.145	500	2500
50264N	2-7/8"	67	8mm	.145	500	2500

K=Knurled



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8mm Head Spiral CSI Drive Pins

Competes with XU Pins For Concrete, Steel and I-Beams

Spiral CSI Drive Pins are designed for permanently fastening a fixture to concrete, some types of masonry, and A36 or A572 structural steel. The pins are manufactured with an 8mm head and 0.157" diameter shank in various lengths. A spiral knurled shank design provides consistent optimized performance in steel base materials. A 8mm plastic washer is mounted over the point to retain the drive pin in the fastener guide of the tool providing centered guidance during the driving operation.

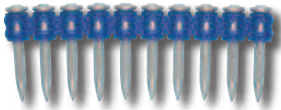
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50197	13mm (1/2")	8mm	.145	100	1000
50201	16mm (5/8")	8mm	.157	100	1000
50203	19mm (3/4")	8mm	.157	100	5000
50204	22mm (7/8")	8mm	.157	100	5000
50205	27mm (1")	8mm	.157	100	5000
50208	32mm (1-1/4")	8mm	.157	100	1000
50207	37mm (1-1/2")	8mm	.157	100	5000
50209	52mm (2")	8mm	.157	100	1000
50241	62mm (2-1/2")	8mm	.157	100	1000
50211	72mm (2-7/8")	8mm	.157	100	1000



8mm Head Spiral CSI Drive Pins With Washers

Competes with XU Pins For Concrete, Steel and I-Beams

CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	WASHER	BOX	CTN
50245	3/4" (19mm)	8mm	.157	3/4"	100	1,000
50247	1" (27mm)	8mm	.157	3/4"	100	1,000
50261	1-1/4" (32mm)	8mm	.157	1"	400	1,000
50263	2-1/2" (62mm)	8mm	.157	1"	400	1,000
50265	2-7/8" (72mm)	8mm	.157	1"	400	1,000



8mm Head Collated Spiral CSI Drive Pins

Competes with XU Pins For Concrete, Steel and I-Beams

8MM SPIRAL CSI 10-FASTENER COLLATION						
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN	
50450	16mm (5/8") (K)	8mm	.157	100	1,000	
50452	19mm (3/4") (K)	8mm	.157	100	1,000	
50454	22mm (7/8") (K)	8mm	.157	100	1,000	
50456	27mm (1") (K)	8mm	.157	100	1,000	
50458	32mm (1-1/4") (K)	8mm	.157	100	1,000	
50460	37mm (1-1/2") (K)	8mm	.157	100	1,000	
50461	42mm (1-5/8") (K)	8mm	.157	100	1,000	
50462	52mm (2") (K)	8mm	.157	100	1,000	

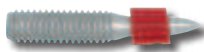
K=Knurled

Threaded Studs

Available in 1/4"-20 and 3/8"-16 thread diameters with a variety of thread and shank lengths for concrete and A36 structural steel. Used for applications where it may be desirable to remove the fixture, or where shimming may be required. The shank diameter: 0.145" for the 1/4"-20; and 0.205" for the 3/8"-16. Knurled shanks are available to increase performance in steel base materials. A plastic flute is mounted over the point to retain the drive pin in the fastener guide of the tool for guidance during the driving operation. On the 1/4"-20 threaded studs, a plastic cap is also provided to protect the threads of the fastener during the driving process.



1/4" -20 THREADED STUDS						
CAT #	THREAD LENGTH	SHANK LENGTH	THREAD DIA.	SHANK DIA.	BOX	CTN
50322	3/4"	1/2" (K)	1/4"	.145	100	1000
50326	3/4"	3/4"	1/4"	.145	100	1000
50328	1/2"	1"	1/4"	.145	100	1000
50330	3/4"	1"	1/4"	.145	100	1000
50336	3/4"	1-1/4"	1/4"	.145	100	1000
50338	1-1/4"	1-1/4"	1/4"	.145	100	1000



3/8" -16 THREADED STUDS						
CAT #	THREAD LENGTH	SHANK LENGTH	THREAD DIA.	SHANK DIA.	BOX	CTN
50340	1-1/4"	3/4" (K)	3/8"	.205	100	1000
50342	1-1/4"	1"	3/8"	.205	100	1000
50344	1-1/4"	1-1/4"	3/8"	.205	100	1000

K=Knurled

Hammer Drive Pins

No Powder Loads Required

Hammer Drive pins are designed for permanently fastening a fixture to concrete and some types of masonry. This fastener is designed for use in a standard hand tool and should not be used in a powder actuated tool. The pins are formed with a 1/4" diameter head on one end and a 0.140" diameter shank in various lengths. A 3/8" diameter steel washer is mounted over the point to retain the drive pin in the fastener guide of the tool providing guidance during the driving operation.



1/4" HEAD HAMMER DRIVE PINS						
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN	
50294	3/4"	1/4"	.140	100	5000	
50296	1"	1/4"	.140	100	5000	
50298	1-1/4"	1/4"	.140	100	1000	



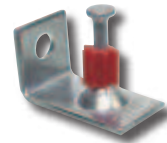
HAMMER DRIVE SETTING TOOL		
CAT #	BOX	CTN
50310	1	11

Assemblies & Accessories

Assemblies are combinations of drive pins and stamped steel clips designed for specific applications. The pins are held within the clip using either a dome mechanism or a metal top hat.

Ceiling Clip Assemblies

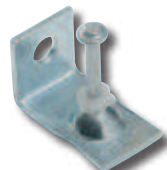
For applications suspending acoustical ceiling systems or light fixtures, several styles of angled clips are pre-mounted onto pins.



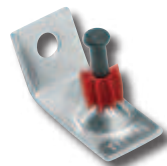
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300 HEAD PINS WITH CEILING CLIPS						
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	WIRE HOLE	BOX	CTN
50364	1"	.300	.145	0.278"	100	1000
50368†	1-1/8"	.300	.145	0.278"	100	1000
50370	1-1/4"	.300	.145	0.278"	100	1000

† Economy Clip



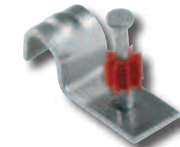
8MM DRIVE PINS WITH CEILING CLIPS							
CAT #	SHANK LENGTH	CLIP ANGLE	HEAD DIA.	SHANK DIA.	WIRE HOLE	BOX	CTN
50272	27mm	90°	8mm	.145	0.278"	100	1000
50274	32mm	90°	8mm	.145	0.278"	100	1000
50206	32mm	90°	8mm	.177	0.278"	100	1000



BALLISTIC POINT DRIVE PIN WITH CEILING CLIP						
CAT #	SHANK LENGTH	CLIP ANGLE	HEAD DIA.	SHANK DIA.	BOX	CTN
50058	1-1/4"	45°	.300	.181/.150	100	1000
50366	7/8"	90°	.300	.181/.150	100	1000

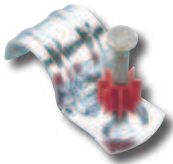
BX & EMT Conduit Clip Assemblies

For the electrical trade, BX and EMT conduit clips are provided in various sizes for attaching conduit to base materials.



300 HEAD DRIVE PINS WITH BX CABLE CLIPS					
CAT #	DESCRIPTION	HEAD DIA.	SHANK DIA.	BOX	CTN
50150	1" (BX) w/TH	.300	.145	100	1000

TH = Top Hat



.300 HEAD DRIVE PINS WITH EMT CONDUIT CLIPS						
CAT #	CLIP DIAMETER	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50382	1/2" EMT	1"	.300	.145	100	1000
50384	3/4" EMT	1-1/4"	.300	.145	100	1000
50385	3/4" EMT	1" TH	.300	.145	100	1000
50386	3/4" EMT	1-1/8"	.300	.145	100	1000
50388	1" EMT	1" TH	.300	.145	25	250

EMT = Electrical Metallic Tube TH = Top Hat



8MM DIAMETER HEAD DRIVE PINS WITH EMT CONDUIT CLIPS						
CAT #	CLIP DIAMETER	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN
50276	1/2" EMT	27mm TH	8mm	.145	100	1000
50278	3/4" EMT	27mm TH	8mm	.145	100	500
50280	1" EMT	27mm TH	8mm	.145	25	250

EMT = Electrical Metallic Tube TH = Top Hat



8MM HEAD DRIVE PINS WITH ROD HANGER CLIP						
CAT #	ROD DIA.	SHANK LENGTH	SHANK DIA.	BOX	CTN	
50221	1/4"-20	32mm (1-1/4")	.145	100	1000	
50219	3/8"-16	32mm (1-1/4")	.145	100	1000	

8MM HEAD SPIRAL CSI DRIVE PIN WITH ROD HANGER CLIP						
CAT #	ROD DIA.	SHANK LENGTH	SHANK DIA.	BOX	CTN	
50215	1/4"-20	32mm (1-1/4")	.157	100	1000	



8MM HEAD SPIRAL CSI DRIVE PIN WITH CEILING CLIP							
CAT #	SHANK LENGTH	CLIP ANGLE	HEAD DIA.	SHANK DIA.	WIRE HOLE	BOX	CTN
50212	7/8" (22mm) TH	90°	8mm	.157	5/16"	100	1000
50213	1" (27mm) TH	90°	8mm	.157	5/16"	100	1000
50218	1-1/4" (32mm) TH	90°	8mm	.157	5/16"	100	1000

TH = Top Hat



.300 HEAD DRIVE PIN WITH DOMED CEILING CLIP AND POST NUT						
CAT #	SHANK LENGTH	CLIP ANGLE	SHANK DIA.	BOX	CTN	
50376	1-1/8"	90°	.145	100	1000	
50378	1-1/4"	90°	.145	100	1000	

Rebar Basket Assemblies

Rebar basket clips are typically used in highway construction and paving applications to hold the support baskets for the reinforcing bars in place while the concrete is being poured. For #4 rebar.

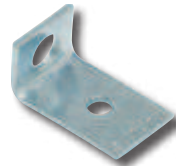


8MM HEAD DRIVE PINS WITH REBAR BASKET CLIP						
CAT #	SHANK LENGTH	HEAD DIA.	SHANK DIA.	BOX	CTN	
50704	37mm (1-1/2") TH	8mm	.145	100	500	
50712	52mm (2") TH	8mm	.145	100	500	
50716	62mm (2-1/2")	8mm	.145	100	500	
50718	72mm (2-7/8")	8mm	.145	100	500	

TH = Top Hat

For concrete forming applications the 2-1/2" (62mm) pin is designed for wood members up to 1-1/2" in thickness. The pin has a break off groove 1" from the point to allow the wood forming members to be easily removed.

Ceiling Clips Without Pins



CEILING CLIPS					
CAT #	CLIP ANGLE	HOLE DIA.	BOX	CTN	
50400	90°	7/32" & 5/16"	100	1000	

ACCESSORIES		
CAT #	DESCRIPTION	BOX
52018	5mm Allen Wrench	1
52024	5/32" Allen Wrench	1
52034	Spray Lubricant	1
52070	Tool Cleaning Kit (P3500 / P35s)	1
52072	Tool Cleaning Kit (P2200)	1





P1000

SIZE RANGE

1/2" to 3" pin lengths, .22 caliber

Hammer actuated, powder actuated tool. Engineered for high reliability, low maintenance and speed. This tool uses four levels of power; grey through yellow loads (levels 1-4) and .300, 8mm head fasteners with lengths of 1/2" through 3" and 1/4"-20 threaded studs.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Moulded Rubber	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
13"	.22 caliber "A" load
TOOL WEIGHT	POWER LEVEL
3 lbs.	Gray (1), Brown (2), Green (3), Yellow (4)
PIN TYPE	
.300 Head Drive Pin, 8mm Head Drive Pin	

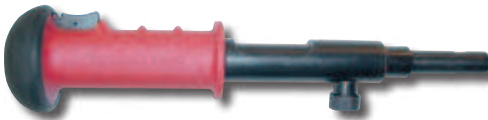
TYPICAL APPLICATIONS

Remodeling • Electrical • Maintenance • Telecommunications

P1000 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52013	P1000 Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



T1000

SIZE RANGE

1/2" to 3" pin lengths, .22 caliber

Professional grade powder actuated tool engineered for high reliability, low maintenance and speed. Its easy to use trigger mechanism makes fastening to concrete, block and steel. The tool uses .22 caliber powder loads.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Moulded Rubber	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
13"	.22 caliber "A" load
TOOL WEIGHT	POWER LEVEL
3 lbs.	Gray (1), Brown (2), Green (3), Yellow (4)
PIN TYPE	
.300 Head Drive Pin, 8mm Head Drive Pin	

TYPICAL APPLICATIONS

Remodeling • Electrical • Maintenance • Telecommunications

T1000 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52035	T1000 Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



P2201

SIZE RANGE

1/2" to 3" pin lengths, .22 caliber

The P2201 is a low velocity, single shot, .22 caliber tool which can be used to install .300 head drive pins, 8mm head drive pins and 1/4"-20 threaded studs, up to 3" in total length. The P2201 is designed for maintenance or residential contractors.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Engineered Plastic	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
12-1/2"	.22 Caliber "A" Load
TOOL WEIGHT	POWER LEVEL
4.3 lbs.	Gray (1), Brown (2), Green (3), Yellow (4)
PIN TYPE	
.300 Head Drive Pin, 8mm Head Drive Pin, 1/4"-20 Threaded Stud	

TYPICAL APPLICATIONS

TRADE	APPLICATION
Acoustical	Ceiling clip assemblies
Drywall	Metal track, door frames
Electrical	Boxers, conduit clip assemblies
Mechanical	Duct straps

P2201 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52006	P2201 Tool	1
52007	P2201 (Blister Pack)	1
52522	Piston	1
52510	Nose Piece	1
52512	Piston Reset Pin	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



P35s

SIZE RANGE

1/2" to 1-1/2" pin lengths, .25 caliber

The P35s is specially designed for acoustical and drywall contractors. It is a low velocity, semi-automatic, tool which can be used to install .300 head drive pins, 8mm head drive pins and 1/4"-20 threaded studs up to 1-1/2" in total length. The P35s is designed for high speed and repetitive volume applications. The standard version of the tool is supplied with a flat end piston and a full size Baseplate/guide. A limited access Baseplate/guide assembly is also available.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Cast Aluminum	1/2" to 1-1/2" Total Length
TOOL LENGTH	LOAD TYPE
11-1/4"	.25 Caliber / 10-Load Strip
TOOL WEIGHT	POWER LEVEL
4.25 lbs.	Green (3), Yellow (4), Red (5)
PIN TYPE	
	.300 Head Drive Pin, 8mm Head Drive Pin, 1/4"-20 Threaded Stud

TYPICAL APPLICATIONS

TRADE	APPLICATION
Acoustical	Ceiling clip assemblies
Drywall	Metal track, door frames
Electrical	Boxers, conduit clip assemblies
Mechanical	Duct straps

P35S SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52002	P35s Tool (Deluxe Kit)	1
52200	Piston Standard 21/SDF	1
52204	Guide 21/F3-1	1
52206	Baseplate 21/S1	1

POLE TOOLS FOR OVERHEAD ATTACHMENTS

CAT #	DESCRIPTION	CTN
50065	6' Di-Electric Pole Tool	1
50066	8' Di-Electric Pole Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



P3500

SIZE RANGE

1/2" to 3" pin lengths, .27 caliber strip

The P3500 is a low velocity, semi-automatic .27 caliber tool which can be used to install .300 head drive pins, 8mm head drive pins and 1/4"-20 threaded studs, up to 3" in total length. The P3500 is designed for high speed and repetitive volume applications.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Cast Aluminum	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
13-5/8"	.27 Caliber / 10-Load Strip
TOOL WEIGHT	POWER LEVEL
5 lbs.	Brown (2), Green (3), Yellow (4), Red (5)
PIN TYPE	
	.300 Head Drive Pin, 8mm Head Drive Pin, 1/4"-20 Threaded Stud

TYPICAL APPLICATIONS

TRADE	APPLICATION
Acoustical	Ceiling clip assemblies
Drywall	Metal track, door frames
Electrical	Boxers, conduit clip assemblies
Mechanical	Duct straps
Forming	Concrete forms, basket clips, forming pins
Residential	Sill plates

P3500 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52000	P3500 Powder Tool (Deluxe Kit)	1
52001	P3500 Powder Tool (Blister Pack)	1
52102	Piston Flat End w/ Ring	1
52108	Guide 2/F-3	1
52110	Base Plate 2/S-13	1
52120	Shear Clip	1
52112	Piston Stop	1
52122	Steel Annular Ball	1
52106	Piston Ring	1
PISTON FOR INSTALLING 8MM HEAD DRIVE PINS		
52100	Piston 2/DN-1 (for 8mm Head Drive Pins)	1

FOR APPLICATIONS IN TIGHT AREAS, A LIMITED ACCESS BASE PLATE/GUIDE IS AVAILABLE.

52114	Guide 2/F-4 Limited Access	1
52116	Baseplate 2/F-14-1 Limited Access	1

POLE TOOLS FOR OVERHEAD ATTACHMENTS

CAT #	DESCRIPTION	CTN
50065	6' Di-Electric Pole Tool	1
50066	8' Di-Electric Pole Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



PA3500

SIZE RANGE

1/2" to 3" pin lengths, .27 caliber strip

The PA3500 is a modified version of the P3500 that includes a power adjuster, allowing the operator to effectively decrease the power level of the load being used. A red load can be reduced down to the level of a green load.

POWER ADJUSTER SETTINGS

1 - Minimum Power 3 - Medium Power 6 - Maximum Power

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Cast Aluminum	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
13-5/8"	.27 Caliber / 10-Load Strip
TOOL WEIGHT	POWER LEVEL
5 lbs.	Brown (2), Green (3), Yellow (4), Red (5)
PIN TYPE	
	.300 Head Drive Pin, 8mm Head Drive Pin, 1/4"-20 Threaded Stud

TYPICAL APPLICATIONS

TRADE	APPLICATION
Acoustical	Ceiling clip assemblies
Drywall	Metal track, door frames
Electrical	Boxers, conduit clip assemblies
Mechanical	Duct straps
Forming	Concrete forms, basket clips, forming pins
Residential	Sill plates

PA3500 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52019	PA3500 Powder Tool (Deluxe Kit)	1
52025	PA3500 Powder Tool (Blister Pack)	1
52103	PA Piston Flat End with Ring	1
52108	Guide 2/F-3	1
52110	Base Plate 2/S-13	1
52112	Piston Stop	1
52120	Shear Clip	1
52122	Steel Annular Ball	1

FOR APPLICATIONS IN TIGHT AREAS,
A LIMITED ACCESS BASE PLATE/GUIDE IS AVAILABLE.

52114	Guide 2/F-4 Limited Access	1
52116	Baseplate 2/F-14-1 Limited Access	1

POLE TOOLS FOR OVERHEAD ATTACHMENTS

CAT #	DESCRIPTION	CTN
50065	6' Di-Electric Pole Tool	1
50066	8' Di-Electric Pole Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.



P3600

SIZE RANGE

1/2" to 3" 10mm head pins, 3/8" threaded studs, 3/8" headed drive pins
.27 caliber strip

The P3600 is a powerful, heavy-duty low velocity, semi-automatic .27 caliber tool which can be used to install 10mm head drive pins, 3/8" threaded studs, and 3/8" headed drive pins. The P3600 is designed for applications where more power is needed, such as attaching 2x4s to hard aggregate or steel. The tool utilizes a red or purple .27 caliber strip.

TECHNICAL DATA

TOOL BODY	PIN LENGTH
Precision Cast Aluminum	1/2" to 3" Total Length
TOOL LENGTH	LOAD TYPE
13-5/8"	.27 Caliber / 10-Load Strip
TOOL WEIGHT	POWER LEVEL
5 lbs.	Red (5), Purple (6)
PIN TYPE	
	3/8" Threaded Studs

TYPICAL APPLICATIONS

2x4s to concrete or steel	Hanging sprinkler pipe
Tele-communications	Heavy-duty applications for steel and concrete
Sill plates	Concrete forms, basket clips, forming pins

P3600 SELECTION GUIDE

CAT #	DESCRIPTION	CTN
52010	P3600 Tool (Deluxe Kit)	1
52579	Guide for the P3600	1
52112	Piston Stop for the P3600	1
52578	Piston for the P3600	1

POLE TOOLS FOR OVERHEAD ATTACHMENTS

CAT #	DESCRIPTION	CTN
50065	6' Di-Electric Pole Tool	1
50066	8' Di-Electric Pole Tool	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.





Sniper™ Pole Tool

SIZE RANGE
1/2" to 1-1/2" pin lengths, .27 caliber strip

Ideally suited to installing overhead ceiling clips with a 1-1/2" pin. Features Safety Sequence Strip Loading, allowing load advancements only after the pin has been installed in the nose piece, and the handle must be clicked to advance the next load.

TECHNICAL DATA	
TOOL BODY	PIN LENGTH
Precision Cast Aluminum	1-1/2" Total Length
TOOL LENGTH	LOAD TYPE
17"	.27 Caliber / 10-Load Strip
TOOL WEIGHT	POWER LEVEL
8 lbs.	Brown (2), Green (3), Yellow (4), Red (5)
PIN TYPE	
	.300 Head Drive Pin, 8mm Head Drive Pin

TYPICAL APPLICATIONS	
TRADE	APPLICATION
Acoustical	Ceiling clip assemblies
Drywall	Metal track, door frames
Electrical	Boxers, conduit clip assemblies
Mechanical	Duct straps
Forming	Concrete forms, basket clips, forming pins
Residential	Sill plates

SNIPER SELECTION GUIDE		
CAT #	DESCRIPTION	CTN
52051	Sniper Tool (Bump Tool)	1
52053	6' Pole	1
52061	8' Pole	1

Tool Operation: Powder actuated tools may be used only by properly trained and licensed operators as described in ANSI Standard A 10.3. For complete tool operation details, completely review the tool manual and contact your local Powers branch office or distributor for training.

Powder Loads

Specific load types are designed for each unique powder actuated tool. Offered as single units for single shot tools and collated in groups of 10 in plastic strips.



.22 CALIBER "A" LOW VELOCITY LOADS					
FOR POWERS P1000, T1000, P2201, HILTI® BD 1, RAMSET® HAMMERSHOT™, TRIGGERSHOT™, MASTERSHOT™					
CAT. NO.	CALIBER	POWER LEVEL	BOX	CTN	MASTER CTN
50502	.22 "A"	Brown (2)	100	5000	240,000
50504	.22 "A"	Green (3)	100	5000	240,000
50506	.22 "A"	Yellow (4)	100	5000	240,000



.27 CALIBER LONG LOADS					
POWERS P3801, HILTI® DX600N					
CAT #	CALIBER	POWER LEVEL	BOX	CTN	MASTER CTN
50612	.27 Long	Red (5)	100	2500	100,000
50614	.27 Long	Purple (6)	100	2500	100,000



.25 CALIBER 10-LOAD STRIPS					
FOR POWERS P355 AND HILTI® DX35, RAMSET® R25					
CAT #	CALIBER	POWER LEVEL	BOX	CTN	MASTER CTN
50570	.25 strip	Green (3)	100	1000	20,000
50574	.25 strip	Yellow (4)	100	1000	20,000
50578	.25 strip	Red (5)	100	1000	20,000

MASTER PACK					
CAT #	CALIBER	POWER LEVEL	BOX	CTN	MASTER CTN
50572	.25 strip	Green (3)	1000	20000	-
50576	.25 strip	Yellow (4)	1000	20000	-
50580	.25 strip	Red (5)	1000	20000	-



Safety Strip®

The safety strip is molded in a special length to provide a visual indication that the tool is loaded.

.27 CALIBER 10-LOAD SAFETY STRIP LOADS					
FOR POWERS P3500, PA3500, P3600, SNIPER®, HILTI® DX 2, DX 351, DX 460, DX 5, RAMSET® SA270, COBRA, COBRA+, XT54					
CAT #	CALIBER	POWER LEVEL	BOX	CTN	
50620	.27 safety strip	Brown (2)	100	1000	
50622	.27 safety strip	Green (3)	100	1000	
50626	.27 safety strip	Yellow (4)	100	1000	
50630	.27 safety Strip	Red (5)	100	1000	

MASTER PACK					
CAT #	DESCRIPTION	POWER LEVEL	BOX	MASTER CTN	
50624	.27 safety strip	Green (3)	1000	10,000	
50628	.27 safety strip	Yellow (4)	1000	10,000	
50632	.27 safety strip	Red (5)	1000	10,000	

Ramset® is a registered trademark of Illinois Tool Works, Inc. Hilti® is a registered trademark of Hilti, Inc.



.27 CALIBER 10-LOAD STRIPS					
POWERS P3500, PA3500, P3600, SNIPER®, HILTI® DX 2, DX351, DX460, DX 5, RAMSET® SA270, COBRA, COBRA+, XT540					
CAT #	CALIBER	POWER LEVEL	BOX	MASTER CTN	
50606	.27 strip	Purple (6)	100	1,000	



	Page	Dimensions		Base Material											Code Recognition		
		Diameter	Length	Concrete	High Strength / Concrete Precast Concrete	Lightweight Concrete	Lightweight Concrete On Metal Deck	Wood Sill Plate to Concrete	Grouted Concrete Masonry	Hollow Concrete Masonry	Brick Masonry	Plywood to Light Gauge Steel	A36/A572 Steel	Wood to Steel		Stick-E Accessories	
Trak-It C5 Pins	Straight Pins (Smooth Shank)	61	0.102"	3/4" : 1" : 1-1/4" : 1-1/2"	●		●	●		○	○	○				●	ICC-ES ESR-3275
	Straight Pins (Smooth Shank)	61	0.145 "	3/4" : 1"	●	○	●	●		○	○		●				ICC-ES ESR-3275
	Steel Pins	59	0.120 "	0.500" : 0.680" : 0.730"									●				ICC-ES ESR-3275
	Step Shank Pins	61	0.145" : 0.102"	1-1/4" : 1-1/2"	●	●				○	○						ICC-ES ESR-3275
	Stick-E Pins (Step Shank)	61	0.120" : 0.088 "	0.780"	●	○	●	●		●	●	○				●	
	Plywood to Steel Pins (Special Knurl Shank with Rolled Point)	61	0.102"	1-3/8"								●				Denz-Glass Washer	
Trak-It C4 Pins	1/2" Steel Pins (Step Shank w Rolled Point)	61	0.102 "	1/2"								●			●	ICC-ES ESR-3275	
	Standard Pins (Smooth Shank w Rolled Point)	61	0.145"	3/4" : 1"	●	○	●	●		○	○						ICC-ES ESR-3275
	Wood to Concrete Taper Pins	61	0.137"	2-9/16"	●		●		●	●	○						ICC-ES ESR-3275
	Plywood to Steel Pins (Spiral Knurl Shank w Rolled Point)	61	0.120"	0.500" : 0.680" : 0.730"								●					
	Bullseye Pins (Step Shank w Rolled Point)	61	0.120" : 0.102"	0.500" : 0.680" : 0.730"	●	●				○	○						
	ACQ Coated Step Shank Pins	61	0.145"	1-1/2" to 2"	●	●	○			○	○	○			●		
Trak-It C3 Pins	1/2" Steel Pins (Step Shank w Rolled Point)	61	0.120" : 0.102 "	1/2"								●				ICC-ES ESR-2036	
	Standard Pins (Smooth Shank w Rolled Point)	62	0.102 "	3/4" : 1" : 1-1/4" : 1-1/2"	●		●	●		●	●	○				ICC-ES ESR-2036	
	Plywood to Steel Pins (Spiral Knurl Shank w Rolled Point)	62	0.102 "	1-3/8"								●			Denz-Glass Washer		
	Bullseye Pins (Step Shank w Rolled Point)	62	0.120" : 0.102 "	1-1/16" : 3/4" : 1"		●											
Stick-E Pins (Step Shank)	62	0.102" : 0.088 "	0.780" : 1"	●	○	●	●		●	●	○				●		

● Suitable ○ May be Suitable



Trak-It® C5

Gas Fastening System

BASE MATERIAL

Concrete, Lightweight Concrete, Hollow and Grouted CMU, Masonry & Steel

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 a high power output at 105 Joules, which allows for shooting into even the hardest concrete. It is able to shoot pins .102, .108, .120 and .145 diameter pins up to 1-1/2" in length. Safety training and licencing not required to use this system.



TRAK-IT C5 TOOL				
CAT #	DESCRIPTION	MAX PIN LENGTH	BOX	CTN
55142	C-5 Gas Tool Long Deep Track	1-1/4"	1	-
55144	C-5 Gas Tool Short Track	1-1/2"	1	-
55148	C-5 Gas Tool Long Track	1-1/2"	1	-

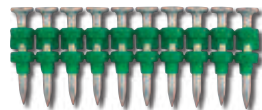
TOOL ACCESSORIES				
CAT #	DESCRIPTION	BOX	CTN	
56347	C5 Pole Tool Accessory Kit (C5 not included)	1	1	
56348	C5 Pole Tool 3' Extension	1	1	
56342	Accessory Deep Track	1-1/4"	1	-
55583	Battery	1	-	-
56346	Accessory Short Track	1-1/2"	1	-
56344	Accessory Long Track	1-1/2"	1	-

Note: Short track tool for 1.5" pins which does not shoot deep track can be ordered under part number 55144
 Note: Long track tool for 1.5" pins which does not shoot deep track can be ordered under part number 55148



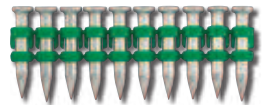
TRAK-IT® C5 FUEL CELLS				
CAT #	DESCRIPTION	BOX	CTN	
55302	Trak-It C5 Fuel Cell	20	80	
55301	Trak-It C5 100 per box	100	-	-

Trak-It® C5 Pins



CODE LISTED
ICC-ES ESR-3275

STANDARD 0.102 STRAIGHT PINS							
CAT #	SHANK DIA.	LENGTH	STEP DIA.	PLATE	KNURL/SPIRAL	BOX	CTN
55310	0.102"	3/4"	-	Zinc	-	800	4,000
55312	0.102"	1"	-	Zinc	-	800	4,000
55314	0.102"	1-1/4"	-	Zinc	-	800	4,000
55316	0.102"	1-1/2"	-	Zinc	-	800	4,000



STANDARD 0.145 STRAIGHT PINS							
CAT #	SHANK DIA.	LENGTH	STEP DIA.	PLATE	KNURL/SPIRAL	BOX	CTN
55318	0.145"	3/4"	-	Zinc	-	800	4,000
55320	0.145"	1"	-	Zinc	-	800	4,000



CONCRETE AND STEEL PINS STRUCTURAL							
CAT #	SHANK DIA.	LENGTH	STEP DIA.	PLATE	KNURL/SPIRAL	BOX	CTN
55336	0.145"	1"	0.120"	Zinc	K	800	4,000
55338	0.145"	1-1/4"	0.120"	Zinc	K	800	4,000
55322	0.145"	1-1/4"	0.102"	Zinc	-	800	4,000
55324	0.145"	1-1/2"	0.102"	Zinc	-	800	4,000



SPECIALTY TAPERED SHORT PINS							
CAT #	SHANK DIA.	LENGTH	STEP DIA.	PLATE	KNURL/SPIRAL	BOX	CTN
55325	0.120"	1/2"	-	Zinc	-	800	4,000
55326	0.120"	1/2"	0.102"	Zinc	K	800	4,000
55328	0.120"	0.680"	0.102"	Zinc	K	800	4,000
55330	0.120"	0.730"	0.102"	Zinc	K	800	4,000
55342	0.102"	0.780"	0.088"	Zinc	K	800	4,000



SPECIALTY SPIRAL KNURL PIN							
CAT #	SHANK DIA.	LENGTH	STEP DIA.	PLATE	KNURL/SPIRAL	BOX	CTN
55340	0.108"	1-3/8"	0.102"	Zinc	KS	800	4,000

Trak-It® C4 Pins

CODE LISTED
ICC-ES ESR-3275



TRAK-IT C4 PINS AND WASHERS							
CAT #	SHANK DIA.	STEP SHANK	LENGTH	FINISH	KNURL	BOX	CTN
55171	0.102"		1/2"		K	800	4000
55163	0.120"		.680"		K	800	4000
55165	0.120"		.730"		K	800	4000
55111	0.102"		3/4"			800	4000
55130	0.145"		3/4"			800	4000
55113	0.102"		1"			800	4000
55116	0.102"		1-1/4"			800	4000
55132	0.145"		1"			800	4000
55172	0.145"		1" Pin		K	800	4000
55134	0.145"	S	1-1/4"			800	4000
55173	0.145"		1-1/4"		K	800	4000
55169	0.145"	S	1-1/4"	ACQ	K	800	4000
55118	0.102"		1-1/2"			800	4000
55136	0.145"	S	1-1/2"			800	4000
55174	0.145"		2"		K	800	4000
55171	0.145"	S	2"	ACQ	K	800	4000
55139	0.145"	S	2-1/4"			800	4000
55128	0.102"		2-1/2"			800	4000
55140	0.145"	S	2-1/2"			800	4000
55145	0.137"		2-9/16"	MGV		800	4000

Each box of pins come packaged with one fuel cell.



TRAK-IT C4 FUEL CELLS			
CAT #	DESCRIPTION	BOX	CTN
55115	Trak-It C4 Fuel Cell	12	72

Works in temperatures down to 10°F.

Trak-It® C3 Pins



CODE LISTED
ICC-ES ESR-2036

Designed for use in A36 and A572 steel beams, purlins, and bar joist. Each box of pins come packaged with one fuel cell.

1/2" STEEL PIN (STEP SHANK WITH ROLLED POINT)				
CAT #	SHANK DIA.	LENGTH	BOX	CTN
55020	0.120/0.102	1/2"	1000	5000



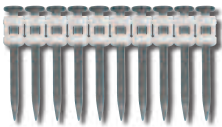
Designed for use in concrete and masonry. All pins are zinc plated for a minimum level of corrosion resistance. Each box of pins come packaged with one fuel cell.

STANDARD PINS (SMOOTH SHANK WITH ROLLED POINT)					
CAT #	SHANK DIA.	LENGTH	PLATE	BOX	CTN
55022B	0.102	3/4"	Black	1000	5000
55024	0.102	1"	Zinc	1000	5000
55026	0.102	1-1/4"	Zinc	1000	5000
55028	0.102	1-1/2"	Zinc	1000	5000



Designed for use in concrete and masonry. All pins are zinc plated or coated with black oxide for a minimum level of corrosion resistance. Plastic collation breaks completely free of pin during installation. Each box of pins come packaged with one fuel cell.

STANDARD PINS W BREAK-FREE COLLATION (SMOOTH SHANK, ROLLED POINT)					
CAT #	SHANK DIA.	LENGTH	PLATE	BOX	CTN
55032	0.102"	3/4"	Zinc	1000	5000
55034	0.102"	1-1/4"	Zinc	1000	5000
55035	0.102"		Zinc	1000	5000



Designed for use to attach plywood to light gage steel framing. Each box of pins come packaged with one fuel cell.

PLYWOOD TO STEEL PINS (SPIRAL SHANK WITH ROLLED POINT)					
CAT #	SHANK DIA.	LENGTH	PLATE	BOX	CTN
55036	0.102"	1-3/8"	Zinc	1000	5000



Designed for use in hard aggregate and precast concrete. Each box of pins come packaged with one fuel cell.

BULLSEYE PINS (STEP SHANK WITH ROLLED POINT)				
CAT #	SHANK DIA.	LENGTH	BOX	CTN
55087	0.102"	730 Step Shank	1000	5000
55080	0.102"	780 Step Shank	1000	5000
55081	0.102/0.088"	1" Step Shank	1000	5000



TRAK-IT C3 FUEL CELLS			
CAT #	DESCRIPTION	BOX	CTN
55010	Trak-It C3 Fuel Cell	20	80

Works in temperatures down to 10°F.



TRAK-IT TOOL ACCESSORIES			
CAT #	DESCRIPTION	BOX	CTN
55618	Replacement Trak-It Charger Base	1	1
55619	Replacement Trak-It Charger Adapter Cord (110V)	1	1
55583	Extra Battery for Trak-It Tool	1	1

STICK-E Accessories

Fixtures designed for use in mechanical and electrical applications. Fits into nosepieces of Trak-It C5 and C4 tools. Designed to be installed with Powers Trak-It pins.



STICK-E MINI CONDUIT CLIP			
CAT #	CLIP DIAMETER	BOX	CTN
55064	1/2"	100	1000
55066	3/4"	100	1000
55068	1"	100	1000

R = Ribbed



STICK-E MINI CABLE TIE DONUT			
CAT #	DESCRIPTION	BOX	CTN
55076	Cable Tie Donut	100	1000



STICK-E CONDUIT CLIP (ONE HOLE STRAP)			
CAT #	CLIP DIAMETER	BOX	CTN
55058	1/2"	100	1000
55059	1/2" (R)	100	1000
55060	3/4"	100	1000
55061	3/4" (R)	100	1000
55063	1" (R)	100	1000
55054	3/8" BX	100	1000

R: Ribbed



STICK-E BRIDAL RING			
CAT #	RING DIAMETER	BOX	CTN
55094	1-1/4"	100	1000
55095	1-1/2"	100	1000
55096	2"	100	1000



STICK-E STRAP WASHER			
CAT #	DIAMETER	BOX	CTN
55062	1/2"	100	1000



STICK-E ROD HANGER			
CAT #	ROD DIAMETER	BOX	CTN
55050	1/4"	100	1000
55052	3/8"	100	1000



STICK-E REBAR BASKET CLIP			
CAT #	REBAR DIAMETER	BOX	CTN
55070	#3 & #4 Bar	100	1000



STICK-E RIGHT ANGLE CLIP				
CAT #	CLIP ANGLE	WIRED HOLE	BOX	CTN
55092	90°	0.278"	100	1000



STICK-E INSULATION WASHER			
CAT #	DIAMETER	BOX	CTN
55042	1-7/16"	100	1000



STICK-E LATHING WASHER (WITH HOLES)			
CAT #	DIAMETER	BOX	CTN
55040	1"	100	1000
55012	1" Washer only	100	1000



STICK-E STAINLESS STEEL SEALING WASHER			
CAT #	DIAMETER	BOX	CTN
55043	3/4"	100	1000



STICK-E DENZ-TIGHT WASHER			
CAT #	DIAMETER	BOX	CTN
55157	1-1/4"	100	1000



STICK-E SQUARE WASHER			
CAT #	WIDTH	BOX	CTN
55149	1"	800	1000



	Page	Base Material						Insulation Thickness														Coating/Material				
		Steel Deck	Wood Deck	Concrete Deck	Lightweight Concrete Deck	Insulating Cover	Cement Wood Fiber	Gypsum	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	Perma-Seal Coated Carbon Steel	Stainless Steel	Galvalume	Engineered Plastic
Perma-Seal Roofing Spike	63			●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
Powerlite	63				●	○	●	●	●	●	●	●	●	●	●	●	●	●							●	
Deck Screws	64	●	●					●	●	●	●	●	●	●	●								●			
Twin Fast Screws	64	●																								
Stress Plates	64																						●	●	●	

● Suitable ○ May be Suitable



Spike® (Perma-Seal®)

Roofing Anchor

BASE MATERIAL	Concrete
SIZE RANGE	3/16" x 1" to 1/4" x 14"
ANCHOR MATERIAL	Perma-Seal Coated Carbon Steel

For roofing applications, the Spike is a one-piece, vibration resistant anchor available in 1/4" diameter for use in fastening insulation, single-ply membrane, wood, and metal to structural concrete roof decks. This version of the SPIKE has a Perma-Seal coating a proprietary fluoropolymer which meets the corrosion resistance requirements of FMRC Standard 4470. It is designed for use in conjunction with Powers insulation or membrane stress plates.

PERMA-SEAL SPIKE					
CAT #	ANCHOR SIZE	DRILL DIA.	MIN. EMBED.	BOX	CTN
3811	1/4" x 1-1/4"	1/4"	7/8"	500	-
3723	1/4" x 1-1/2"	1/4"	7/8"	500	-
3725	1/4" x 2"	1/4"	1-1/4"	500	-
3727	1/4" x 2-1/2"	1/4"	1-1/4"	500	-
3729	1/4" x 3"	1/4"	1-1/4"	500	-
3731	1/4" x 3-1/2"	1/4"	1-1/4"	500	-
3733	1/4" x 4"	1/4"	1-1/4"	500	-
3735	1/4" x 4-1/2"	1/4"	1-1/4"	500	-
3737	1/4" x 5"	1/4"	1-1/4"	500	-
3739	1/4" x 5-1/2"	1/4"	1-1/4"	500	-
3741	1/4" x 6"	1/4"	1-1/4"	250	-
3743	1/4" x 6-1/2"	1/4"	1-1/4"	250	-
3745	1/4" x 7"	1/4"	1-1/4"	250	-
3747	1/4" x 7-1/2"	1/4"	1-1/4"	250	-
3749	1/4" x 8"	1/4"	1-1/4"	250	-
3753	1/4" x 9"	1/4"	1-1/4"	250	-
3757	1/4" x 10"	1/4"	1-1/4"	250	-
3765	1/4" x 11"	1/4"	1-1/4"	100	-
3769	1/4" x 12"	1/4"	1-1/4"	100	-
3773	1/4" x 13"	1/4"	1-1/4"	100	-
3777	1/4" x 14"	1/4"	1-1/4"	100	-



SPIKE INSTALLATION TOOLS FOR ROOFING APPLICATIONS			
CAT #	DESCRIPTION	GUIDE I.D.	BOX
3790	SPIKE Driver 1000	1/2"	1
3791	SPIKE Driver 2000	1/2"	1



Powerlite™

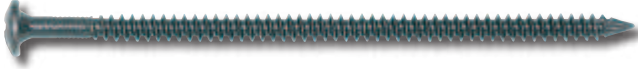
Roofing Anchor

BASE MATERIAL	Structural Cement Wood Fiber, Gypsum, or Lightweight Concrete
SIZE RANGE	2" to 12" Lengths
ANCHOR MATERIAL	Reinforced Engineered Nylon

The Powerlite is a fastener used to mechanically attach rigid insulation board and single-ply membrane to structural cement wood fiber, gypsum, and lightweight insulating concrete roof decks. Used in conjunction with insulation and membrane stress plates, the plates are manufactured with four barbs on the underside that grip the insulation board or single-ply membrane preventing rotation.

POWERLITE ROOFING ANCHOR			
CAT #	LENGTH	MIN. EMBED.	CTN
04670	2"	1-1/2"	500
04671	2-1/2"	1-1/2"	500
04672	3"	1-1/2"	500
04673	3-1/2"	1-1/2"	500
04674	4"	1-1/2"	500
04675	4-1/2"	1-1/2"	500
04676	5"	1-1/2"	500
04677	5-1/2"	1-1/2"	500
04678	6"	1-1/2"	500
04679	6-1/2"	1-1/2"	500
04680	7"	1-1/2"	250
04683	8"	1-1/2"	250
04685	9"	1-1/2"	250
04687	10"	1-1/2"	250
04689	12"	1-1/2"	250

POWERLITE PLATES (GALVALUME)		
CAT #	LENGTH	CTN
03876	2" Powerlite Membrane Plate	500
03896	3" Powerlite Insulation Plate	500



Deck Screws

Roofing Anchor

BASE MATERIAL

Steel or Wood Deck

SIZE RANGE

No. 12 x 1-5/8" to No. 12 x 8"

ANCHOR MATERIAL

Perma-Seal Coated Carbon Steel

Deck Screws are designed for attaching rigid insulation board, single ply membrane, and wood blocking to steel and wood decks. Available sizes include No. 12 diameters in carbon steel with either hex washer or Phillips-style heads. The Deck Screws are used in conjunction with insulation or membrane plates and can also be used with batten bar. For corrosion protection the screws are coated with Perma-Seal coating, a proprietary fluoropolymer, which meets the requirements of Factory Mutual Standard 4470.

PERMA-SEAL COATED NO.12 PH DECK SCREW				
CAT #	SIZE	THREAD LENGTH	BOX	CTN
02613	No. 12 x 1-5/8"	1-1/2"	1000	-
02618	No. 12 x 2-1/4"	2"	1000	-
02624	No. 12 x 2-7/8"	2-5/8"	1000	-
02530	No. 12 x 3-1/4"	3"	1000	-
02632	No. 12 x 3-3/4"	3"	1000	-
02636	No. 12 x 4-1/2"	3"	1000	-
02640	No. 12 x 5"	3"	1000	-
02648	No. 12 x 6"	4"	1000	-
02656	No. 12 x 7"	4"	500	-
02664	No. 12 x 8"	4"	500	-

Stress Plates

BASE MATERIAL

Insulation, Single-Ply Roofing Materials

SIZE RANGE

2" and 3" Round

ANCHOR MATERIAL

Stainless Steel or Galvalume Disk

Stress plates are designed for use with Deck Screws and Spike anchors. Stress plates can be grouped into two categories; insulation plates and membrane plates. Insulation plates, as the term implies, are used when mechanically attaching rigid foam insulation to roof decks. They are manufactured in a 3" diameter for use with No. 12, No. 14, and No. 15 Deck Screws™, 3/16" and 1/4" Spike anchors, and 1/4" Speed Lock Toggles. Two carbon steel plates, a Type 304 stainless steel plate, disc are available. A recessed plate is available for use with the No. 12 hex washer head screws. For corrosion resistance, a Galvalume coating is applied to the carbon steel plates. Membrane plates, sometimes called lap plates, are used when mechanically attaching single ply material in the area of the lap or seam. They are manufactured in a 2" diameter for use with No. 12 Deck Screws and 1/4" Spike anchors.



INSULATION PLATES - FOR PH SCREWS

CAT #	SIZE	PLATE THICKNESS	MATERIAL	CTN
03880	3" round	.019"	Galvalume	500
03881*	3" round	.019"	Stainless Steel	500

* Discontinued item once current stock exhausted.

MEMBRANE PLATES

CAT #	SIZE	PLATE THICKNESS	MATERIAL	CTN
03878	2" round barbed	.034"	Galvalume	1000

Stainless Steel Sealing and Plastic Washers

Stainless Steel Sealing and Plastic Washers are typically used with 1/4" diameter anchors for roof flashing, termination bar and dissimilar metal applications.



SEALING WASHER TYPE 304 STAINLESS STEEL WITH EPDM SEAL

CAT. NO.	SIZE	BOX	CTN
2896	1/4" (ID) x 1-1/8" (OD)	100	1000



Screw and Bolt Selection Guide

Product		Tap Bolt	Carriage Bolt	Lag Bolt	Hanger Bolt	Machine Bolt	Cap Screw	Machine Screw	Wood Screw	Self Drilling	Tapping Screw
Coatings / Materials	Yellow Zinc Plated						•				
	Zinc Plated	•	•	•	•	•	•	•	•	•	•
	Type 303/304 Stainless	•	•	•		•		•	•	•	•
	Type 316 Stainless										
	Brass								•		
	A307	•	•	•		•	•				
	Grade 5	•					•				
	Grade 8						•				
Diameter	1/4"	•	•	•	•	•	•	•			
	5/16"	•	•	•		•	•				
	3/8"	•	•	•	•	•	•	•			
	1/2"	•	•	•		•	•	•			
	5/8"	•				•	•				
	3/4"	•				•	•				
	No 4										•
	No 6							•	•	•	•
	No 7										•
	No 8							•	•	•	•
	No 10							•	•	•	•
	No 12							•	•	•	•
	No 14							•	•	•	•
	4-40							•			
	6-32							•			
	8-32							•			
	10-24							•			
	10-32							•			
12-24							•				
Head Style	Hex Head	•		•		•	•			•	•
	Dome Head Square Neck		•								
	Hex Washer Head									•	•
	Round Head							•			
	Flat Head							•	•		•
	Pan Head							•		•	•
	Slotted							•			
	Phillips							•	•	•	•
	Combo							•		•	•
	Wafer									•	
Some Uses	Sheet Metal	•	•					•			•
	Wood			•	•				•		
	Nylon										•
	Plastic										•
	Wood To Wood	•		•		•	•		•		
	Steel To Wood			•							
	Through Bolt	•	•			•	•	•			
	Bolt And Shield Anchors	•		•		•	•	•			
	Screw Anchors							•			
	Box	•	•	•	•	•	•	•	•	•	•
Jar	•						•		•	•	



Nut and Washer Selection Guide

Product		Finish Nut	Heavy Nut	Jam Nut	Machine screw Nut	Forged Wing Nut	Acorn Nut	Rod Coupler	Nylon Insert Locknut	Split Lock Washer	USS Flat Washer	SAE Flat Washer	Finishing Washer	Fender Washer
Coatings / Materials	Yellow Zinc	•							•	•	•			
	Zinc Plated	•	•	•	•	•		•	•	•	•			•
	Type 303/304 Stainless	•			•	•	•	•	•	•	•	•	•	•
	Type 316 Stainless	•								•	•			
	Brass												•	
	Grade 2	•	•	•	•	•		•	•		•		•	
	Grade 5	•												
	Grade 8	•							•	•	•	•		
	Nickle Plated													•
Diameter	No 6									•	•	•	•	
	No 8									•	•	•	•	
	No 10									•	•	•	•	
	No 12									•	•	•	•	
	No 14												•	
	6-32				•			•	•					
	8-32				•			•	•					
	10-24				•			•	•					
	10-32				•			•	•					
	12-24				•									
	3/16"													•
	1/4"	•	•	•		•	•	•	•	•	•	•		•
	5/16"	•	•	•		•		•	•	•	•	•		•
	3/8"	•	•	•		•	•	•	•	•	•	•		•
	7/16"									•	•	•		
	1/2"	•	•	•				•	•	•	•	•		•
	5/8"	•	•	•				•	•	•	•	•		
	3/4"	•	•	•				•	•	•	•	•		
	7/8"	•	•					•		•	•	•		
	1"	•	•					•		•	•	•		
	1-1/8"										•			
1-1/4"	•									•				
Box	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Jar	•			•						•	•	•		•

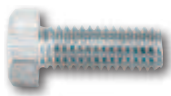


ZINC PRODUCTS



Zinc Hex Machine Bolts A307

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
001000	1/4"-20 x 3/8"		C	100	3000	1.02
001001	1/4"-20 x 1/2"		C	100	2000	1.18
001003	1/4"-20 x 3/4"		C	100	2000	1.44
001005	1/4"-20 x 1"		C	100	2000	1.67
001006	1/4"-20 x 1-1/4"		C	100	1000	2.02
001007	1/4"-20 x 1-1/2"		C	100	1000	2.39
001009	1/4"-20 x 2"		C	100	1000	3.07
001053	3/8"-16 x 1/2"		C	100	1000	2.89
001055	3/8"-16 x 3/4"		C	100	1000	3.40
001057	3/8"-16 x 1"		C	100	1000	4.03
001058	3/8"-16 x 1-1/4"		C	100	1000	4.78
001059	3/8"-16 x 1-1/2"		C	100	1000	5.54
001060	3/8"-16 x 1-3/4"		C	100	500	6.22
001061	3/8"-16 x 2"		C	100	500	6.94
001063	3/8"-16 x 2-1/2"		C	50	500	8.52
001065	3/8"-16 x 3"		C	50	500	10.04
001101	1/2"-13 x 3/4"		C	50	500	7.26
001103	1/2"-13 x 1"		C	50	500	8.28
001104	1/2"-13 x 1-1/4"		C	50	500	9.30
001105	1/2"-13 x 1-1/2"		C	50	500	10.42
001106	1/2"-13 x 1-3/4"		C	50	250	11.82
001107	1/2"-13 x 2"		C	50	250	13.24
001109	1/2"-13 x 2-1/2"		C	50	250	16.04
001111	1/2"-13 x 3"		C	50	250	18.74
001118	1/2"-13 x 5-1/2"		C	25	125	32.40
001141	5/8"-11 x 1"	•	C	25	250	14.60
001142	5/8"-11 x 1-1/4"	•	C	25	250	16.12
001143	5/8"-11 x 1-1/2"		C	25	250	18.00
001144	5/8"-11 x 1-3/4"		C	25	250	19.76
001145	5/8"-11 x 2"		C	25	125	22.40
001146	5/8"-11 x 2-1/4"		C	25	125	24.20
001147	5/8"-11 x 2-1/2"		C	25	125	26.28
001148	5/8"-11 x 2-3/4"	•	C	25	125	28.12
001149	5/8"-11 x 3"		C	25	125	30.48
001150	5/8"-11 x 3-1/4"		C	25	125	32.40
001151	5/8"-11 x 3-1/2"		C	25	125	34.60
001153	5/8"-11 x 4"	•	C	25	125	40.08
001182	3/4"-10 x 1-3/4"		C	25	125	32.25
001183	3/4"-10 x 2"		C	25	125	35.10
001184	3/4"-10 x 2-1/4"		C	25	125	38.25
001185	3/4"-10 x 2-1/2"		C	25	125	41.35
001186	3/4"-10 x 2-3/4"	•	C	25	125	44.45
001187	3/4"-10 x 3"		C	25	75	47.55
001188	3/4"-10 x 3-1/4"		C	25	75	50.65
001189	3/4"-10 x 3-1/2"		C	25	75	53.80
001190	3/4"-10 x 3-3/4"	•	C	25	75	56.90
001191	3/4"-10 x 4"	•	C	25	75	60.00
001192	3/4"-10 x 4-1/2"	•	C	25	75	66.20



Zinc Tap Bolts A307

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
001408	1/4"-20 x 3-1/2"	•	C	100	500	4.44
001409	1/4"-20 x 4"	•	C	100	500	4.88
001410	1/4"-20 x 4-1/2"	•	C	100	500	5.48
001435	3/8"-16 x 3-1/2"		C	50	250	10.52
001436	3/8"-16 x 4"		C	50	250	11.68
001438	3/8"-16 x 5"	•	C	50	250	14.04
001440	3/8"-16 x 6"	•	C	50	250	16.44
001441	1/2"-13 x 3/4"		C	50	500	7.28

1-800-524-3244

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
001442	1/2"-13 x 1"		C	50	500	8.60
001443	1/2"-13 x 1-1/4"		C	50	500	9.76
001444	1/2"-13 x 1-1/2"		C	50	500	10.92
001443	1/2"-13 x 2"		C	50	250	13.12
001446	1/2"-13 x 2-1/2"		C	50	250	15.24
001447	1/2"-13 x 3"		C	50	250	17.44
001448	1/2"-13 x 3-1/2"		C	25	125	20.08
001449	1/2"-13 x 4"		C	25	125	22.56
001451	1/2"-13 x 5"	•	C	25	125	26.88
001453	1/2"-13 x 6"		C	25	125	30.88
001477	5/8"-11 x 1-1/2"		C	25	250	18.00
001478	5/8"-11 x 1-3/4"		C	25	250	19.77
001479	5/8"-11 x 2"		C	25	125	22.48
001480	5/8"-11 x 2-1/2"		C	25	125	26.96
001483	5/8"-11 x 3"		C	25	125	31.28
001504	3/4"-10 x 2"		C	25	125	34.08
001506	3/4"-10 x 2-1/2"		C	25	125	40.24
001508	3/4"-10 x 3"		C	25	75	46.16
001510	3/4"-10 x 3-1/2"		C	25	75	52.64
001512	3/4"-10 x 4"	•	C	25	75	58.88
001514	3/4"-10 x 5"	•	C	25	75	71.28



Zinc Cap Screws Grade 5

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
002000	1/4"-20 x 3/8"	•	C	100	3000	1.03
002001	1/4"-20 x 1/2"		C	100	2000	1.14
002003	1/4"-20 x 3/4"		C	100	2000	1.41
002005	1/4"-20 x 1"		C	100	2000	1.67
002006	1/4"-20 x 1-1/4"		C	100	1000	2.01
002007	1/4"-20 x 1-1/2"		C	100	1000	2.38
002009	1/4"-20 x 2"		C	100	1000	3.07
002022	5/16"-18 x 1/2"		C	100	2000	1.82
002024	5/16"-18 x 3/4"		C	100	2000	2.33
002026	5/16"-18 x 1"		C	100	1000	2.74
002027	5/16"-18 x 1-1/4"		C	100	1000	3.23
002028	5/16"-18 x 1-1/2"		C	100	1000	3.82
002030	5/16"-18 x 2"		C	100	1000	4.82
002032	5/16"-18 x 2-1/2"		C	100	500	5.95
002034	5/16"-18 x 3"		C	100	500	6.91
002036	5/16"-18 x 3-1/2"		C	50	500	8.00
002038	5/16"-18 x 4"		C	50	500	8.98
002045	3/8"-16 x 3/4"		C	100	1000	3.40
002047	3/8"-16 x 1"		C	100	1000	4.03
002048	3/8"-16 x 1-1/4"		C	100	1000	4.78
002049	3/8"-16 x 1-1/2"		C	100	1000	5.54
002051	3/8"-16 x 2"		C	100	500	6.94
002053	3/8"-16 x 2-1/2"		C	50	500	8.52
002055	3/8"-16 x 3"		C	50	500	10.04
002057	3/8"-16 x 3-1/2"		C	50	250	11.51
002059	3/8"-16 x 4"		C	50	250	13.06
002085	1/2"-13 x 1"		C	50	500	8.29
002086	1/2"-13 x 1-1/4"		C	50	500	9.38
002087	1/2"-13 x 1-1/2"		C	50	500	10.42
002088	1/2"-13 x 1-3/4"		C	50	250	11.83
002089	1/2"-13 x 2"		C	50	250	13.25
002090	1/2"-13 x 2-1/4"		C	50	250	14.64
002091	1/2"-13 x 2-1/2"		C	50	250	16.05
002093	1/2"-13 x 3"		C	50	250	18.75
002095	1/2"-13 x 3-1/2"		C	25	125	21.50
002097	1/2"-13 x 4"		C	25	125	24.10
002098	1/2"-13 x 4-1/2"		C	25	125	26.60
002099	1/2"-13 x 5"		C	25	125	29.60
002101	1/2"-13 x 6"		C	25	125	35.10
002118	5/8"-11 x 1"	•	C	25	250	14.63
002119	5/8"-11 x 1-1/4"	•	C	25	250	16.12

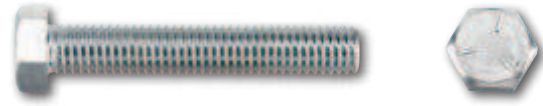


CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
002120	5/8"-11 x 1-1/2"		C	25	250	18.00
002121	5/8"-11 x 1-3/4"		C	25	250	19.77
002122	5/8"-11 x 2"		C	25	125	22.10
002124	5/8"-11 x 2-1/2"		C	25	125	26.30
002126	5/8"-11 x 3"		C	25	125	30.50
002128	5/8"-11 x 3-1/2"		C	25	125	34.60
002130	5/8"-11 x 4"		C	25	125	38.90
002131	5/8"-11 x 4-1/2"	•	C	25	125	43.50
002132	5/8"-11 x 5"	•	C	25	75	47.20
002133	5/8"-11 x 5-1/2"	•	C	25	75	51.91
002134	5/8"-11 x 6"	•	C	25	75	57.29
002141	3/4"-10 x 1-1/2"		C	25	125	28.70
002143	3/4"-10 x 2"		C	25	125	34.40
002144	3/4"-10 x 2-1/4"	•	C	25	125	36.60
002145	3/4"-10 x 2-1/2"		C	25	125	40.30
002147	3/4"-10 x 3"		C	25	75	46.00
002148	3/4"-10 x 3-1/4"	•	C	25	75	48.90
002149	3/4"-10 x 3-1/2"		C	25	75	52.40
002151	3/4"-10 x 4"		C	25	75	58.50
002152	3/4"-10 x 4-1/2"		C	25	75	64.50
002153	3/4"-10 x 5"	•	C	25	75	70.80
002154	3/4"-10 x 5-1/2"	•	C	20	60	76.90
002155	3/4"-10 x 6"	•	C	20	60	83.00



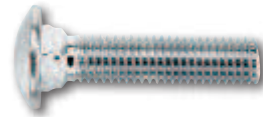
Yellow Zinc Cap Screws Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
002301	1/4"-20 x 1/2"		C	100	2000	1.18
002303	1/4"-20 x 3/4"		C	100	2000	1.44
002305	1/4"-20 x 1"		C	100	2000	1.44
002306	1/4"-20 x 1-1/4"		C	100	2000	1.74
002307	1/4"-20 x 1-1/2"		C	100	1000	2.08
002309	1/4"-20 x 2"		C	100	1000	2.43
002311	1/4"-20 x 2-1/2"		C	100	1000	3.46
002313	1/4"-20 x 3"		C	100	1000	3.81
002328	5/16"-18 x 1/2"		C	100	1000	4.50
002330	5/16"-18 x 3/4"		C	100	2000	1.99
002332	5/16"-18 x 1"		C	100	2000	2.41
002333	5/16"-18 x 1-1/4"		C	100	1000	2.83
002334	5/16"-18 x 1-1/2"		C	100	1000	3.37
002335	5/16"-18 x 1-3/4"		C	100	1000	3.91
002336	5/16"-18 x 2"		C	100	1000	4.45
002338	5/16"-18 x 2-1/2"		C	100	1000	4.99
002340	5/16"-18 x 3"		C	100	500	6.06
002353	3/8"-16 x 1/2"		C	100	500	7.14
002355	3/8"-16 x 3/4"		C	100	1000	2.93
002357	3/8"-16 x 1"		C	100	1000	3.55
002358	3/8"-16 x 1-1/4"		C	100	1000	4.86
002359	3/8"-16 x 1-1/2"		C	100	1000	5.64
002360	3/8"-16 x 1-3/4"		C	100	500	6.42
002361	3/8"-16 x 2"		C	100	500	7.19
002362	3/8"-16 x 2-1/4"		C	50	250	7.97
002363	3/8"-16 x 2-1/2"		C	50	250	8.74
002365	3/8"-16 x 3"		C	50	250	10.30
002401	1/2"-13 x 3/4"		C	50	500	8.10
002403	1/2"-13 x 1"		C	50	500	9.22
002404	1/2"-13 x 1-1/4"		C	50	500	10.34
002405	1/2"-13 x 1-1/2"		C	50	500	11.59
002406	1/2"-13 x 1-3/4"		C	50	250	12.97
002407	1/2"-13 x 2"		C	50	250	14.35
002409	1/2"-13 x 2-1/2"		C	50	250	17.12
002411	1/2"-13 x 3"		C	50	250	19.87
002413	1/2"-13 x 3-1/2"		C	25	125	22.63
002415	1/2"-13 x 4"		C	25	125	25.39



Zinc Tap Bolts Grade 5

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
002605	1/4"-20 x 1"		C	100	2000	1.67
002606	1/4"-20 x 1-1/4"		C	100	1000	2.01
002607	1/4"-20 x 1-1/2"		C	100	1000	2.36
002609	1/4"-20 x 2"		C	100	1000	3.07
002611	1/4"-20 x 2-1/2"		C	100	1000	3.75
002613	1/4"-20 x 3"		C	100	1000	4.35
002648	3/8"-16 x 1-1/4"		C	100	1000	4.78
002649	3/8"-16 x 1-1/2"		C	100	1000	5.54
002651	3/8"-16 x 2"		C	100	500	6.94
002653	3/8"-16 x 2-1/2"		C	50	500	8.52
002655	3/8"-16 x 3"		C	50	500	10.04
002686	1/2"-13 x 1-1/4"		C	50	500	9.96
002687	1/2"-13 x 1-1/2"		C	50	500	10.42
002688	1/2"-13 x 1-3/4"	•	C	50	250	11.84
002689	1/2"-13 x 2"		C	50	250	13.26
002691	1/2"-13 x 2-1/2"		C	50	250	16.06
002693	1/2"-13 x 3"		C	50	250	18.76
002695	1/2"-13 x 3-1/2"	•	C	25	125	21.52
002697	1/2"-13 x 4"	•	C	25	125	24.12
002698	1/2"-13 x 4-1/2"	•	C	25	125	26.60
002699	1/2"-13 x 5"	•	C	25	125	29.60
002701	1/2"-13 x 6"		C	25	125	35.12



Zinc Carriage Bolts A307

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
006062	3/8"-16 x 3/4"		C	100	1000	3.79
006063	3/8"-16 x 1"		C	100	1000	4.61
006064	3/8"-16 x 1-1/4"		C	100	500	5.08
006065	3/8"-16 x 1-1/2"		C	100	500	5.62
006067	3/8"-16 x 2"		C	50	500	6.94
006069	3/8"-16 x 2-1/2"		C	50	250	8.25
006071	3/8"-16 x 3"		C	50	250	9.39
006073	3/8"-16 x 3-1/2"		C	50	250	10.51
006075	3/8"-16 x 4"		C	50	250	11.80
006076	3/8"-16 x 4-1/2"		C	50	250	13.00
006077	3/8"-16 x 5"	•	C	50	250	14.07
006106	1/2"-13 x 2-1/2"		C	50	250	15.73
006108	1/2"-13 x 3"		C	50	150	17.98
006110	1/2"-13 x 3-1/2"		C	25	125	19.74
006112	1/2"-13 x 4"		C	25	125	21.90
006113	1/2"-13 x 4-1/2"		C	25	125	24.60
006114	1/2"-13 x 5"		C	25	125	26.30



Zinc Lag Bolts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
007001	1/4" x 1"		C	100	2000	1.48
007002	1/4" x 1-1/4"		C	100	2000	1.67
007003	1/4" x 1-1/2"		C	100	1000	1.83
007005	1/4" x 2"		C	100	1000	2.58
007006	1/4" x 2-1/2"		C	100	1000	3.00
007007	1/4" x 3"		C	100	1000	3.57
007008	1/4" x 3-1/2"		C	100	500	4.03
007009	1/4" x 4"		C	100	500	4.44

Table continues on next page



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CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
007014	5/16" x 1"	•	C	100	1000	2.93
007015	5/16" x 1-1/4"	•	C	100	1000	3.21
007016	5/16" x 1-1/2"		C	100	1000	3.70
007018	5/16" x 2"		C	100	1000	4.05
007019	5/16" x 2-1/2"		C	100	500	4.62
007020	5/16" x 3"		C	100	500	5.38
007021	5/16" x 3-1/2"		C	100	500	5.94
007022	5/16" x 4"		C	50	250	6.88
007027	3/8" x 1"		C	100	1000	3.18
007028	3/8" x 1-1/4"		C	100	1000	3.66
007029	3/8" x 1-1/2"		C	100	1000	4.19
007031	3/8" x 2"		C	100	500	6.56
007032	3/8" x 2-1/2"		C	50	500	6.51
007033	3/8" x 3"		C	50	500	7.76
007034	3/8" x 3-1/2"		C	50	250	8.78
007035	3/8" x 4"		C	50	250	10.09
007036	3/8" x 4 1/2"		C	50	250	11.39
007037	3/8" x 5"		C	50	250	12.51
007039	3/8" x 6"		C	50	250	14.99
007040	3/8" x 7"		C	50	150	17.01
007041	3/8" x 8"	•	C	50	150	19.48
007044	1/2" x 1-1/2"		C	50	500	8.43
007045	1/2" x 2"		C	50	250	10.65
007046	1/2" x 2-1/2"		C	50	250	13.44
007047	1/2" x 3"		C	50	250	15.13
007048	1/2" x 3-1/2"		C	25	125	17.52
007049	1/2" x 4"		C	25	125	19.47
007050	1/2" x 4-1/2"	•	C	25	125	21.80
007051	1/2" x 5"		C	25	125	24.20
007053	1/2" x 6"		C	25	125	28.80
007056	1/2" x 8"	•	C	25	75	37.00



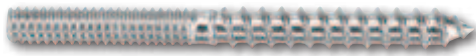
Acoustical Lag Screw Driver

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
008003	1/4"		E	1	1	0.10



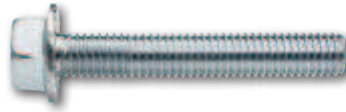
Acoustical Screws

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
008002J	1/4" x 3 Lag		C	100	1000	2.26
008010J	1/4" x 2" Self Drilling		C	50	1000	0.97
008011J	1/4" x 3-1/4" A Self Drilling		C	50	500	1.55



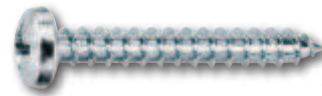
Zinc Hanger Bolts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
012000	1/4"-20 x 1-1/2"	•	C	100	2000	2.62
012001	1/4"-20 x 2"	•	C	100	2000	2.62
012002	1/4"-20 x 2-1/2"		C	100	1000	2.62
012003	1/4"-20 x 3"		C	100	1000	5.90
012020	3/8"-16 x 3"		C	100	500	7.00
012021	3/8"-16 x 3-1/2"		C	100	500	7.84
012022	3/8"-16 x 4"		C	50	500	9.13
012023	3/8"-16 x 5"		C	50	250	11.73
012024	3/8"-16 x 6"	•	C	50	250	16.00



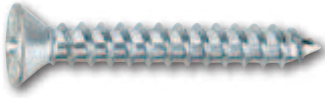
Zinc Serrated Flange Bolts Hex Washer Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
016801	1/4"-20 x 3/4"	•	C	100	1000	1.75
016802	1/4"-20 x 1"	•	C	100	1000	1.95
016803	1/4"-20 x 1-1/4"	•	C	100	1000	2.25
016804	1/4"-20 x 1-1/2"	•	C	100	1000	2.35
016827	3/8"-16 x 3/4"	•	C	100	1000	4.24
016829	3/8"-16 x 1"	•	C	100	1000	4.70
016830	3/8"-16 x 1-1/4"	•	C	100	1000	5.75
016831	3/8"-16 x 1-1/2"	•	C	100	500	7.20
016832	3/8"-16 x 2"	•	C	100	500	8.00



Zinc Tap Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
065006	#6 x 1/4" AB		C	100	4000	0.13
065007	#6 x 3/8" AB		C	100	4000	0.18
065008	#6 x 1/2" AB		C	100	4000	0.20
065009	#6 x 5/8" AB		C	100	4000	0.24
065010	#6 x 3/4" AB		C	100	4000	0.27
065012	#6 x 1" A		C	100	4000	0.34
065013	#6 x 1-1/4" A		C	100	4000	0.42
065014	#6 x 1-1/2" A		C	100	3000	0.50
065015	#6 x 2" A		C	100	3000	0.64
065024	#8 x 3/8" AB		C	100	4000	0.28
065025	#8 x 1/2" AB		C	100	4000	0.31
065026	#8 x 5/8" AB		C	100	4000	0.37
065027	#8 x 3/4" AB		C	100	4000	0.41
065029	#8 x 1" A		C	100	4000	0.51
065030	#8 x 1-1/4" A		C	100	3000	0.61
065031	#8 x 1-1/2" A		C	100	3000	0.69
065033	#8 x 2" A		C	100	3000	0.89
065034	#8 x 2-1/2" A		C	100	1000	1.10
065035	#8 x 3" A		C	100	1000	1.30
065037	#10 x 1/2" AB		C	100	4000	0.44
065038	#10 x 5/8" AB		C	100	4000	0.50
065039	#10 x 3/4" AB		C	100	4000	0.54
065041	#10 x 1" A		C	100	3000	0.69
065042	#10 x 1-1/4" A		C	100	3000	0.81
065043	#10 x 1-1/2" A		C	100	3000	0.94
065045	#10 x 2" A		C	100	1000	1.20
065046	#10 x 2-1/2" A		C	100	1000	1.40
065047	#10 x 3" A		C	100	1000	1.67
065048	#12 x 1/2" AB		C	100	4000	0.61
065050	#12 x 3/4" AB		C	100	3000	0.81
065052	#12 x 1" A		C	100	3000	0.96
065053	#12 x 1-1/4" A		C	100	3000	1.15
065054	#12 x 1-1/2" A		C	100	3000	1.30
065056	#12 x 2" A		C	100	1000	1.61
065057	#12 x 2-1/2" A		C	100	1000	1.98
065058	#12 x 3" A		C	100	1000	2.33
065059	#14 x 1/2" AB		C	100	3000	0.86
065061	#14 x 3/4" AB		C	100	3000	0.96
065063	#14 x 1" A		C	100	3000	1.20
065064	#14 x 1-1/4" A		C	100	3000	1.38
065065	#14 x 1-1/2" A		C	100	3000	1.57
065067	#14 x 2" A		C	100	1000	1.80
065068	#14 x 2-1/2" A		C	100	1000	2.75
065069	#14 x 3" A		C	100	1000	3.07
065070	#12 x 4" A		C	100	1000	2.70



Zinc Tap Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
066007	#6 x 3/8" AB		C	100	4000	0.13
066008	#6 x 1/2" AB		C	100	4000	0.17
066009	#6 x 5/8" AB		C	100	4000	0.19
066010	#6 x 3/4" AB		C	100	4000	0.23
066012	#6 x 1" A		C	100	4000	0.31
066013	#6 x 1-1/4" A		C	100	4000	0.38
066014	#6 x 1-1/2" A		C	100	3000	0.45
066015	#6 x 2" A		C	100	3000	0.61
066024	#8 x 3/8" AB		C	100	4000	0.18
066025	#8 x 1/2" AB		C	100	4000	0.24
066026	#8 x 5/8"		C	100	4000	0.30
066027	#8 x 3/4" AB		C	100	4000	0.34
066029	#8 x 1" A		C	100	4000	0.44
066030	#8 x 1-1/4" A		C	100	3000	0.53
066031	#8 x 1-1/2" A		C	100	3000	0.65
066033	#8 x 2" A		C	100	3000	0.84
066034	#8 x 2-1/2" A		C	100	1000	1.04
066035	#8 x 3" A		C	100	1000	1.24
066037	#10 x 1/2" AB		C	100	4000	0.33
066038	#10 x 5/8" AB		C	100	4000	0.38
066039	#10 x 3/4" AB		C	100	4000	0.45
066041	#10 x 1" A		C	100	4000	0.57
066042	#10 x 1-1/4" A		C	100	3000	0.72
066043	#10 x 1-1/2" A		C	100	3000	0.85
066044	#10 x 1-3/4" A		C	100	3000	0.95
066045	#10 x 2" A		C	100	3000	1.07
066046	#10 x 2-1/2" A		C	100	3000	1.32
066047	#10 x 3" A		C	100	1000	1.57
066048	#12 x 1/2" AB		C	100	4000	0.56
066050	#12 x 3/4" AB		C	100	4000	0.65
066052	#12 x 1" A		C	100	3000	0.80
066053	#12 x 1-1/4" A		C	100	3000	0.98
066054	#12 x 1-1/2" A		C	100	3000	1.09
066055	#12 x 1-3/4" A		C	100	3000	1.29
066056	#12 x 2" A		C	100	1000	1.49
066057	#12 x 2-1/2" A		C	100	1000	1.90
066058	#12 x 3" A		C	100	1000	2.31
066061	#14 x 3/4" AB		C	100	3000	0.89
066063	#14 x 1" A		C	100	3000	1.09
066064	#14 x 1-1/4" A		C	100	3000	1.33
066065	#14 x 1-1/2" A		C	100	3000	1.52
066066	#14 x 1-3/4" A		C	100	1000	1.75
066067	#14 x 2" A		C	100	1000	1.97
066068	#14 x 2-1/2" A		C	100	1000	2.42
066069	#14 x 3" A		C	100	1000	2.87
066074	#12 x 4"		C	100	1000	3.08



Zinc Wood Screws Flat Phillips Head

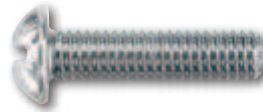
CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
076046	#8 x 1/2"		C	100	4000	0.24
076047	#8 x 5/8"		C	100	4000	0.29
076048	#8 x 3/4"		C	100	4000	0.34
076050	#8 x 1"		C	100	4000	0.46
076070	#10 x 3/4"		C	100	4000	0.47
076072	#10 x 1"		C	100	4000	0.61
076073	#10 x 1-1/4"		C	100	3000	0.78
076074	#10 x 1-1/2"		C	100	3000	0.92
076076	#10 x 2"		C	100	3000	1.19
076078	#10 x 2-1/2"		C	100	1000	1.56
076079	#10 x 3"		C	100	1000	1.84

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
076083	#12 x 3/4"		C	100	4000	0.60
076085	#12 x 1"		C	100	3000	0.81
076087	#12 x 1-1/2"		C	100	3000	1.18
076088	#12 x 1-3/4"		C	100	3000	1.38
076089	#12 x 2"		C	100	1000	1.59
076091	#12 x 2-1/2"		C	100	1000	1.94
076092	#12 x 3"		C	100	1000	2.31
076093	#12 x 3-1/2"		C	100	1000	2.63
076094	#12 x 4"		C	100	1000	2.95
076098	#14 x 1-1/2"		C	100	3000	1.54
076100	#14 x 2"		C	100	1000	2.02
076102	#14 x 2-1/2"		C	100	1000	2.45
076103	#14 x 3"		C	100	1000	2.94
076105	#14 x 4"		C	100	1000	3.95



Zinc Machine Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
080049	#10-24 x 4"	•	C	100	1000	2.41
080064	1/4"-20 x 4"	•	C	100	500	4.25
080065	1/4"-20 x 4-1/2"	•	C	100	500	4.75
080066	1/4"-20 x 5"	•	C	100	500	5.33
080068	1/4"-20 x 6"	•	C	100	500	6.27



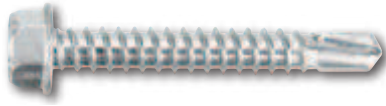
Zinc Machine Screws Round Combo Head (Slot/Phillips)

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
082067	#10-24 x 4"	•	C	100	1000	2.55
082070	#10-24 x 5"	•	C	100	1000	3.15
082071	#10-24 x 6"	•	C	100	600	3.80
082215	1/4"-20 x 4"		C	100	600	4.60
082217	1/4"-20 x 5"		C	100	600	5.65
082219	1/4"-20 x 6"		C	100	600	6.75
082259	3/8"-16 x 4"		C	50	300	5.70
082261	3/8"-16 x 5"		C	50	300	6.90
082263	3/8"-16 x 6"		C	50	300	8.10



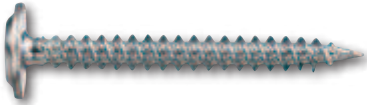
Zinc Eye Bolts with Nut

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
084000	3/8"-16 x 2-1/2"		C	25	250	3.50
084006	1/4"-20 x 2"		C	100	1000	4.25
084007	1/4"-20 x 2-1/2"		C	100	600	4.85
084008	1/4"-20 x 3"		C	100	600	5.45
084009	1/4"-20 x 4"		C	100	600	6.45
084010	1/4"-20 x 5"	•	C	50	500	3.5
084011	1/4"-20 x 6"	•	C	50	150	4.0
084018	3/8"-16 x 4"		C	25	150	4.50
084019	3/8"-16 x 5"		C	25	150	5.05
084020	3/8"-16 x 6"		C	25	150	5.70
084022	1/2"-13 x 6"	•	C	20	60	8.65
084023	1/2"-13 x 8"	•	C	20	60	10.45
084025	1/2"-13 x 12"	•	C	20	60	14.10



Zinc Self Drilling Screws Hex Washer Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
135007M	#8-18 x 1/2" #2		C	100	4000	0.36
135038	#14 x 4"		C	100	1000	5.00
135815	#10 x 3/4" High Head	•	C	5000	0	0.65



Zinc Zip Point Screws Wafer Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
138325	#8 x 1/2"		C	10000	0	0.34
138327	#8 x 3/4"		C	10000	0	0.43
138329	#8 x 1"		C	5000	0	0.53
138725	#8 x 1/2"		C	5000	0	0.53
138727	#8 x 3/4"		C	10000	0	0.45
138733	#8 x 2"		C	2500	0	
138737	#8 x 3"	•	C	1000	0	1.36



Zinc Flat Washers USS 5 lbs

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
039001	3/16"	•	E	5	50	5.00
039002	1/4"		E	5	50	5.00
039003	5/16"	•	E	5	50	5.00
039004	3/8"		E	5	50	5.00
039006	1/2"		E	5	50	5.00
039009	3/4"		E	5	50	5.00
039010	7/8"		E	5	50	5.00
039011	1"	•	E	5	50	5.00

Zinc Flat Washers USS 50 lbs

CAT #	SIZE	MADE TO ORDER	BOX QTY.	CTN QTY.	WT./UM
041001	3/16"		50	0	50.00
041002	1/4"		50	0	50.00
041003	5/16"		50	0	50.00
041004	3/8"		50	0	50.00
041005	7/16"	•	50	0	50.00
041006	1/2"		50	0	50.00
041008	5/8"		50	0	50.00
041009	3/4"		50	0	50.00
041010	7/8"		50	0	50.00
041011	1"		50	0	50.00
041012	1-1/8"		50	0	50.00
041013	1-1/4"	•	50	0	50.00

Zinc Flat Washers USS Pack

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
042001	3/16"		C	100	4000	0.30
042002	1/4"		C	100	4000	0.70
042003	5/16"		C	100	3000	1.10
042004	3/8"		C	100	2000	1.50
042005	7/16"	•	C	100	1000	2.40
042006	1/2"		C	100	1000	3.90
042008	5/8"		C	50	500	7.70
042009	3/4"		C	25	250	11.00
042010	7/8"		C	25	250	15.30
042011	1"		C	25	250	18.80
042012	1-1/8"	•	C	10	100	22.20
042013	1-1/4"	•	C	10	100	26.00



Zinc Yellow Flat Washers USS Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
045002	1/4"		C	100	4000	0.67
045003	5/16"		C	100	3000	1.11
045004	3/8"		C	100	2000	1.49
045005	7/16"	•	C	100	1000	2.44
045006	1/2"		C	100	1000	3.85
045008	5/8"		C	50	500	7.70
045009	3/4"		C	25	250	11.00
045010	7/8"	•	C	25	250	15.30
045011	1"	•	C	25	250	18.80
045013	1-1/4"	•	C	10	100	23.40



Zinc Yellow Flat Washers SAE Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
045022	1/4"	•	C	100	4000	0.45
045023	5/16"	•	C	100	4000	0.52
045024	3/8"	•	C	100	4000	0.72
045025	7/16"	•	C	100	3000	0.95
045026	1/2"	•	C	100	2000	1.83
045028	5/8"	•	C	50	1000	2.77
045029	3/4"	•	C	50	500	4.74



Zinc Fender Washers 50 lbs

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
046502	3/16" x 1"		E	50	0	50.00
046503	3/16" x 1-1/4"		E	50	0	50.00
046504	1/4" x 1"		E	50	0	50.00
046505	1/4" x 1-1/4"		E	50	0	50.00
046506	1/4" x 1-1/2"		E	50	0	50.00
046507	5/16" x 1-1/4"		E	50	0	50.00
046509	3/8" x 1-1/4"		E	50	0	50.00
046510	3/8" x 1-1/2"		E	50	0	50.00
046511	1/2" x 1-1/2"		E	50	0	50.00
046512	1/2" x 2"		E	50	0	50.00
046513	3/8" x 2"		E	50	0	

Zinc Fender Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
046004MB	1/4" x 1"			-	3000	1.00
046015MB	3/8" x 1"			-	2000	1.90



Zinc Yellow Split Lock Washers Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
047806	1/4"		C	100	4000	0.22
047807	5/16"		C	100	4000	0.38
047808	3/8"		C	100	4000	0.60
047810	1/2"		C	100	3000	1.30
047812	5/8"		C	100	1000	2.40
047813	3/4"		C	100	1000	4.00
047814	7/8"	•	C	50	500	6.00
047815	1"	•	C	50	500	8.80



Nickle Finishing Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
049002	No. 6	•	C	100	4000	0.08
049003	No. 8		C	100	4000	0.11
049004	No. 10	•	C	100	4000	0.14
049005	No. 12	•	C	100	4000	0.21
049006	No. 14	•	C	100	3000	0.27



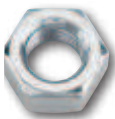
Zinc Neoprene Sealing Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
135998	#10		C	100	4000	0.30
135999	#12		C	100	4000	0.40
136000	#14		C	100	4000	0.40



Plain Flat Washers USS Pack

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
342002	1/4"	•	C	100	4000	0.50
342004	3/8"		C	100	2000	1.46
342006	1/2"		C	100	1000	3.35
342008	5/8"		C	50	500	3.88
342009	3/4"		C	25	250	2.60



Zinc Finished Hex Nuts

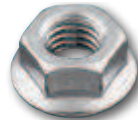
CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
016001	1/4"-20		C	100	4000	0.68
016002	5/16"-18		C	100	3000	1.02
016003	3/8"-16		C	100	2000	1.49
016005	1/2"-13		C	50	1000	3.60
016007	5/8"-11		C	50	500	7.11
016008	3/4"-10		C	25	250	11.80
016009	7/8"-9		C	10	200	17.67
016010	1"-8		C	10	100	26.60
016012	1-1/4"-7		C	10	100	51.70

Zinc Finished Hex Nuts Bulk

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
017001	1/4"-20		C	9000	0	0.68
017002	5/16"-18		C	6000	0	1.02
017003	3/8"-16		C	4000	0	1.49
017005	1/2"-13		C	2200	0	2.75
017006	5/8"-11		C	1800	0	3.60
017007	3/4"-10		C	800	0	7.11
017008	7/8"-9		C	500	0	11.80
017009	1"-8		C	300	0	17.67

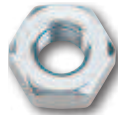
Zinc Finished Hex Nuts NF

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
018001	1/4"-28	•		100	4000	0.68
018002	5/16"-24	•		100	3000	1.02
018003	3/8"-24	•		100	2000	1.49
018004	7/16"-20	•		100	1000	2.75
018005	1/2"-20	•		50	1000	3.60
018007	5/8"-18	•		50	500	7.11
018008	3/4"-16	•		25	250	11.80
018012	1-1/4"-12	•		10	100	51.70



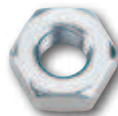
Zinc Serrated Flange Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
016498	1/4"-20		C	100	3000	0.90
016499	5/16"-18		C	100	3000	1.23
016500	3/8"-16		C	100	2000	1.78
016502	1/2"-13		C	50	1000	4.40
016505	5/8"-11	•	C	50	500	8.80
016507	3/4"-1	•	C	25	250	13.70



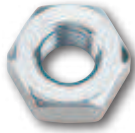
Zinc Heavy Hex Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
021001	1/4"-20		C	100	3000	1.16
021002	5/16"-18		C	100	2000	1.72
021003	3/8"-16		C	100	1000	3.20
021005	1/2"-13		C	50	500	6.54
021006	5/8"-11		C	50	250	11.90
021007	3/4"-10		C	25	250	19.30
021008	7/8"-9		C	25	100	29.70
021009	1"-8		C	10	100	42.50



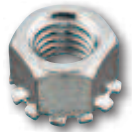
Zinc Jam Hex Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
022002	5/16"-18	•	C	100	3000	0.77
022003	3/8"-16	•	C	100	2000	1.05
022005	1/2"-13	•	C	50	1000	3.46
022006	5/8"-11	•	C	25	500	4.93
022007	3/4"-10	•	C	25	250	7.70



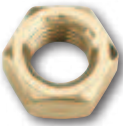
Zinc Hex Nuts NC Grade 5

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
023001	1/4"-20		C	100	4000	0.68
023002	5/16"-18		C	100	3000	1.02
023003	3/8"-16		C	100	2000	1.49
023005	1/2"-13		C	50	1000	3.60
023006	5/8"-11		C	50	500	7.12
023007	3/4"-10		C	25	250	11.80



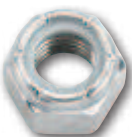
Zinc K-Lock Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
023050	6-32	•	C	100	4000	0.25
023051	8-32	•	C	100	4000	0.41
023052	10-32	•	C	100	4000	0.50
023054	1/4"-20	•	C	100	4000	0.84
023055	5/16"-18	•	C	100	3000	1.10



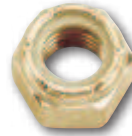
Yellow Zinc Hex Nuts NC Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
024001	1/4"-20		C	100	4000	0.68
024002	5/16"-18		C	100	3000	1.02
024003	3/8"-16		C	100	2000	1.49
024005	1/2"-13		C	50	1000	3.60
024007	5/8"-11		C	50	500	7.11
024008	3/4"-10		C	25	250	11.80
024009	7/8"-9	•	C	10	200	17.54
024010	1"-8	•	C	10	100	26.40



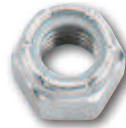
Zinc Nylon Insert Locknuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
028002	#6-32 NM	•	C	100	4000	0.25
028003	#8-32 NM	•	C	100	4000	0.41
028004	#10-24 NM	•	C	100	4000	0.48
028005	#10-32 NM	•	C	100	4000	0.48
028006	1/4"-20 NE		C	100	4000	0.84
028007	5/16"-18 NE		C	100	3000	1.10
028008	3/8"-16 NE		C	100	2000	1.76
028010	1/2"-13 NE		C	50	500	4.10
028012	5/8"-11 NE	•	C	50	500	8.55
028013	3/4"-10 NE	•	C	25	250	12.29



Yellow Zinc Nylon Insert Locknuts NC Grade 8

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
028806	1/4"-20 NE	•	C	100	4000	0.84
028807	5/16"-18 NE	•	C	100	3000	1.10
028808	3/8"-16 NE	•	C	100	2000	1.76
028810	1/2"-13 NE	•	C	50	500	4.10
028812	5/8"-11 NE	•	C	50	500	8.56
028813	3/4"-10 NE	•	C	25	250	12.30



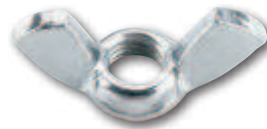
Zinc Nylon Insert Locknuts NF

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
029001	1/4"-28 NE	•	C	100	4000	0.84
029002	5/16"-24 NE	•	C	100	3000	1.10
029003	3/8"-24 NE	•	C	100	2000	1.76
029005	1/2"-20 NE	•	C	50	500	4.30



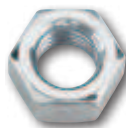
Nickle Acorn Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
029001	1/4"-28 NE	•	C	100	4000	0.84
029002	5/16"-24 NE	•	C	100	3000	1.10
029003	3/8"-24 NE	•	C	100	2000	1.76
029005	1/2"-20 NE	•	C	50	500	4.30



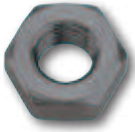
Zinc Wing Nuts Forged

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
033003	#10-24		C	100	4000	0.75
033004	#10-32	•	C	100	4000	0.75
033005	1/4"-20		C	100	4000	1.30
033006	5/16"-18	•	C	100	2000	2.30
033007	3/8"-16		C	100	1000	3.70
033008	1/2"-13	•	C	50	500	8.80



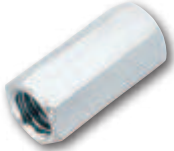
Plain Finished Hex Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
316003	3/8"-16		C	100	2000	1.50



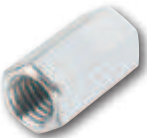
Plain Finished Heavy Hex Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
321003	3/8"-16		C	100	2000	2.91
321005	1/2"-13		C	50	500	2.99
321006	5/8"-11		C	25	250	2.82
321007	3/4"-10		C	25	250	4.63



Zinc Economy Rod Coupling Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
030001	#6-32	•	C	100	4000	0.50
030002	#8-32	•	C	100	3000	1.10
030003	#10-24	•	C	100	3000	1.00
030005	1/4"-20 x 3/8" x 7/8"		C	100	2000	1.90
030006	5/16"-18 x 7/16" x 7/8"		C	100	1000	2.30
030007	3/8"-16 x 1/2" x 1-1/8"		C	100	1000	3.60
030009	1/2"-13 x 5/8" x 1-1/4"		C	50	500	8.24
030010	5/8"-11 x 13/16" x 2-1/8"		C	25	250	30.87
030011	3/4"-10 x 1" x 2-1/4"		C	25	125	44.10
030012	7/8"-9 x 1-1/4" x 2-1/2"		C	10	100	57.32
030013	1"-8 x 1-1/4" x 2-1/2"	•	C	10	100	45.33



Zinc Reducing Rod Coupling Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
030016	3/8"-16 - 1/4"-20		C	50	1000	3.92
030017	1/2"-13 - 3/8"-16		C	50	500	6.90
030018	5/8"-11 - 1/2"-13		C	25	250	11.70
030019	3/4"-10 - 1/2"-13	•	C	25	250	13.50
030021	3/4"-10 - 5/8"-11		C	25	250	21.70
030023	3/8"-16 - 5/16"-18	•	C	50	1000	3.92



Zinc Long Rod Coupling Nuts

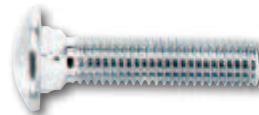
CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
030050	1/4"-20 x 7/16" x 1-3/4"		C	100	500	5.70
030052	3/8"-16 x 9/16" x 1-3/4"		C	50	500	8.03
030053	1/2"-13 x 11/16" x 1-3/4"		C	50	500	14.77

STAINLESS STEEL PRODUCTS



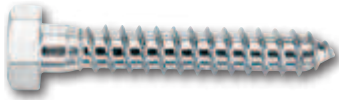
Stainless Steel Machine Bolt

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
801001	1/4"-20 x 1/2"		C	100	2000	1.18
801002	1/4"-20 x 5/8"		C	100	2000	1.31
801003	1/4"-20 x 3/4"		C	100	2000	1.44
801005	1/4"-20 x 1"		C	100	2000	1.67
801006	1/4"-20 x 1-1/4"		C	100	1000	2.02
801007	1/4"-20 x 1-1/2"		C	100	1000	2.39
801008	1/4"-20 x 1-3/4"		C	100	1000	2.70
801009	1/4"-20 x 2"	•	C	100	1000	3.07
801011	1/4"-20 x 2-1/2"	•	C	100	1000	3.75
801013	1/4"-20 x 3"	•	C	100	1000	4.35
801028	5/16"-18 x 1/2"	•	C	100	2000	1.82
801030	5/16"-18 x 3/4"	•	C	100	2000	2.33
801032	5/16"-18 x 1"	•	C	100	1000	2.74
801033	5/16"-18 x 1-1/4"	•	C	100	1000	3.23
801034	5/16"-18 x 1-1/2"	•	C	100	1000	3.82
801036	5/16"-18 x 2"	•	C	100	1000	4.82
801038	5/16"-18 x 2-1/2"	•	C	100	500	5.39
801040	5/16"-18 x 3"	•	C	100	500	5.95
801053	3/8"-16 x 1/2"		C	100	1000	2.89
801055	3/8"-16 x 3/4"		C	100	1000	3.40
801057	3/8"-16 x 1"		C	100	1000	4.03
801058	3/8"-16 x 1-1/4"		C	100	1000	4.78
801059	3/8"-16 x 1-1/2"		C	100	1000	5.54
801061	3/8"-16 x 2"		C	100	500	6.94
801063	3/8"-16 x 2-1/2"	•	C	50	500	8.52
801067	3/8"-16 x 3-1/2"	•	C	50	250	11.50
801069	3/8"-16 x 4"	•	C	50	250	13.06
801104	1/2"-13 x 1-1/4"		C	50	500	10.42
801105	1/2"-13 x 1-1/2"		C	50	250	13.24
801107	1/2"-13 x 2"		C	50	250	16.04
801111	1/2"-13 x 3"	•	C	25	125	21.48
801116	1/2"-13 x 4-1/2"	•	C	25	125	26.60
801121	1/2"-13 x 7"	•	C	25	75	35.08
801123	1/2"-13 x 8"	•	C	25	75	44.80
801147	5/8"-11 x 2-1/2"	•	C	25	125	26.28
801149	5/8"-11 x 3"		C	25	125	30.48
801187	3/4"-10 x 3"	•	C	25	75	47.55
801189	3/4"-10 x 3-1/2"	•	C	25	75	53.80



Stainless Steel Carriage Bolts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
806013	1/4" x 20 x 3/4"		C	100	2000	1.55
806017	1/4"-20 x 1-1/2"	•	C	100	1000	2.19
806021	1/4"-20 x 2-1/2"	•	C	100	1000	3.26
806023	1/4"-20 x 3"	•	C	100	500	3.78
806025	1/4"-20 x 3-1/2"	•	C	100	500	4.45
806027	1/4"-20 x 4"	•	C	100	500	4.89
806043	5/16"-18 x 2-1/2"	•	C	100	500	5.46
806063	3/8"-16 x 1"		C	100	1000	4.61
806064	3/8"-16 x 1-1/4"	•	C	100	500	5.08
806069	3/8"-16 x 2-1/2"	•	C	50	250	8.25
806104	1/2"-13 x 2"	•	C	50	250	13.20



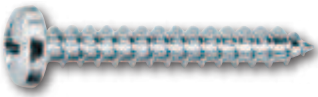
Stainless Steel Lag Bolts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
807001	1/4" x 1"		C	100	2000	1.48
807002	1/4" x 1-1/4"		C	100	2000	1.67
807003	1/4" x 1-1/2"		C	100	1000	1.83
807005	1/4" x 2"		C	100	1000	2.58
807006	1/4" x 2-1/2"		C	100	1000	3.00
807007	1/4" x 3"		C	100	0	3.57
807008	1/4" x 3-1/2"		C	100	500	4.03
807009	1/4" x 4"		C	100	500	4.44
807016	5/16" x 1-1/2"		C	100	1000	3.70
807018	5/16" x 2"		C	100	1000	4.05
807020	5/16" x 3"		C	100	500	5.38
807021	5/16" x 3-1/2"	•	C	100	500	6.01
807022	5/16" x 4"		C	50	250	6.88
807031	3/8" x 2"	•	C	100	500	6.56
807032	3/8" x 2-1/2"		C	50	500	6.51
807033	3/8" x 3"	•	C	50	500	7.76
807034	3/8" x 3-1/2"	•	C	50	250	8.78
807035	3/8" x 4"	•	C	50	250	10.09
807037	3/8" x 5"	•	C	50	250	12.51
807039	3/8" x 6"	•	C	50	250	14.99
807047	1/2" x 3"	•	C	50	250	15.13
807049	1/2" x 4"	•	C	25	125	19.47
807051	1/2" x 5"	•	C	25	125	24.20
807053	1/2" x 6"	•	C	25	125	28.80
807056	1/2" x 8"	•	C	25	75	9.55



Stainless Steel Machine Screws Pan Phillips Head

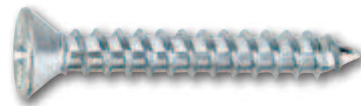
CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
883174	3/8"-16 x 1-3/4"		C	100	1000	



Stainless Steel Tapping Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
865008	#6 x 1/2" AB		C	100	4000	0.18
865010	#6 x 3/4" AB	•	C	100	4000	0.24
865012	#6 x 1" A	•	C	100	4000	0.27
865015	#6 x 2" A	•	C	100	3000	0.50
865025	#8 x 1/2" AB		C	100	4000	0.28
865026	#8 x 5/8" AB	•	C	100	4000	0.31
865027	#8 x 3/4" AB		C	100	4000	0.37
865029	#8 x 1" A		C	100	4000	0.41
865030	#8 x 1-1/4" A		C	100	3000	0.51
865031	#8 x 1-1/2" A		C	100	3000	0.61
865033	#8 x 2" A		C	100	3000	0.69
865034	#8 x 2-1/2" A	•	C	100	1000	0.89
865035	#8 x 3" A	•	C	100	1000	1.10
865036	#10 x 3/8" AB		C	100	4000	1.30
865037	#10 x 1/2" AB		C	100	4000	0.44
865039	#10 x 3/4" AB		C	100	4000	0.50
865041	#10 x 1" A		C	100	4000	0.54
865042	#10 x 1-1/4" A		C	100	3000	0.69

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
865043	#10 x 1-1/2" A		C	100	3000	0.81
865045	#10 x 2" A		C	100	1000	0.94
865046	#10 x 2-1/2" A	•	C	100	1000	1.20
865047	#10 x 3" A		C	100	1000	1.40
865050	#12 x 3/4" AB		C	100	3000	0.61
865052	#12 x 1" A		C	100	3000	0.81
865053	#12 x 1-1/4" A	•	C	100	3000	0.96
865054	#12 x 1-1/2" A		C	100	3000	1.15
865055	#12 x 1-3/4" A	•	C	100	1000	1.30
865056	#12 x 2" A		C	100	1000	1.61
865057	#12 x 2-1/2" A		C	100	1000	1.98
865058	#12 x 3" A	•	C	100	1000	2.33
865063	#14 x 1" A	•	C	100	3000	0.96
865064	#14 x 1-1/4" A	•	C	100	3000	1.20
865065	#14 x 1-1/2" A		C	100	1000	1.38
865067	#14 x 2" A		C	100	1000	1.57
865068	#14 x 2-1/2" A		C	100	1000	1.80
865069	#14 x 3" A	•	C	100	1000	2.75



Stainless Steel Tapping Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
866003	#4 x 1/2" AB	•	C	100	4000	0.10
866008	#6 x 1/2" AB	•	C	100	4000	0.15
866009	#6 x 5/8 AB	•	C	100	4000	0.15
866010	#6 x 3/4" AB		C	100	4000	0.30
866012	#6 x 1" A		C	100	4000	0.30
866013	#6 x 1-1/4" A	•	C	100	4000	0.35
866014	#6 x 1-1/2" A	•	C	100	3000	0.40
866015	#6 x 2" A	•	C	100	3000	0.60
866025	#8 x 1/2" AB	•	C	100	4000	0.25
866026	#8 x 5/8" AB	•	C	100	4000	0.25
866027	#8 x 3/4" AB		C	100	4000	0.40
866029	#8 x 1" A		C	100	4000	0.40
866030	#8 x 1-1/4" A		C	100	3000	0.50
866031	#8 x 1-1/2" A		C	100	3000	0.55
866032	#8 x 1-3/4" A		C	100	3000	0.70
866033	#8 x 2" A		C	100	3000	0.89
866034	#8 x 2-1/2" A	•	C	100	1000	1.05
866035	#8 x 3" A		C	100	1000	1.30
866037	#10 x 1/2" AB	•	C	100	4000	0.30
866039	#10 x 3/4" AB		C	100	4000	0.40
866041	#10 x 1" A		C	100	4000	0.5
866042	#10 x 1-1/4" A		C	100	3000	0.65
866043	#10 x 1-1/2" A		C	100	3000	0.75
866044	#10 x 1-3/4" A	•	C	100	3000	1.05
866045	#10 x 2" A		C	100	3000	1.10
866046	#10 x 2-1/2" A	•	C	100	1000	1.35
866047	#10 x 3" A		C	100	1000	1.63
866052	#12 x 1" A		C	100	3000	0.80
866053	#12 x 1-1/4" A		C	100	3000	1.05
866054	#12 x 1-1/2" A		C	100	3000	1.10
866055	#12 x 1-3/4" A	•	C	100	1000	1.30
866056	#12 x 2" A		C	100	1000	1.50
866057	#12 x 2-1/2" A		C	100	1000	1.85
866058	#12 x 3" A		C	100	1000	2.20
866061	#14 x 3/4" AB	•	C	100	3000	0.85
866063	#14 x 1" A		C	100	3000	1.10
866064	#14 x 1-1/4" A	•	C	100	3000	1.30
866065	#14 x 1-1/2" A		C	100	1000	1.50
866067	#14 x 2" A		C	100	1000	2.00
866068	#14 x 2-1/2" A		C	100	1000	2.45
866069	#14 x 3" A	•	C	100	1000	2.10
866071	#10 x 4"	•	C	100	1000	2.10



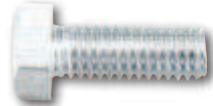
Stainless Steel Machine Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
880004	#6-32 x 1/2"	•	C	100	4000	0.20
880010	#6-32 x 1-1/2"	•	C	100	3000	0.45
880012	#6-32 x 2"	•	C	100	3000	0.63
880018	#8-32 x 3/4"	•	C	100	4000	0.40
880020	#8-32 x 1"	•	C	100	4000	0.52
880028	#10-24 x 1/2"	•	C	100	4000	0.40
880032	#10-24 x 1"	•	C	100	3000	0.66
880034	#10-24 x 1-1/2"	•	C	100	3000	0.94
880040	#10-32 x 1/2"	•	C	100	4000	0.42
880042	#10-32 x 3/4"	•	C	100	4000	0.52
880044	#10-32 x 1"	•	C	100	3000	0.66
880045	#10-32 x 1-1/4"	•	C	100	3000	0.80
880046	#10-32 x 1-1/2"	•	C	100	3000	0.94
880049	#10-32 x 2-1/2"	•	C	100	1000	1.50
880051	1/4"-20 x 1/2"	•	C	100	4000	0.76
880053	1/4"-20 x 3/4"	•	C	100	3000	1.01
880055	1/4"-20 x 1"	•	C	100	3000	1.26
880057	1/4"-20 x 1-1/2"	•	C	100	1000	1.77
880063	1/4"-20 x 3-1/2"	•	C	100	1000	3.24
880101	#12-24 x 1/2"	•	C	100	400	0.45
880105	#12-24 x 1"	•	C	100	3000	1.09



Stainless Steel Machine Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
883056	#8-32 x 1/2"	•	C	100	4000	0.35
883057	#8-32 x 5/8"	•	C	100	4000	0.40
883060	#8-32 x 1"	•	C	100	4000	0.56
883062	#8-32 x 1-1/2"	•	C	100	3000	0.77
883064	#8-32 x 2"	•	C	100	3000	1.01
883091	#10-32 x 1/2"	•	C	100	4000	0.49
883093	#10-32 x 3/4"	•	C	100	4000	0.62
883095	#10-32 x 1"	•	C	100	3000	0.75
883096	#10-32 x 1-1/4"	•	C	100	3000	1.05
883102	#10-24 x 1/2"	•	C	100	4000	0.49
883104	#10-24 x 3/4"	•	C	100	4000	0.62
883106	#10-24 x 1"	•	C	100	3000	0.75
883108	#10-24 x 1-1/2"	•	C	100	3000	1.03
883110	#10-24 x 2"	•	C	100	3000	1.45
883114	#10-24 x 3"	•	C	100	1000	1.91
883116	#10-24 x 4"	•	C	100	1000	2.53
883125	1/4"-20 x 3/8"	•	C	100	4000	0.96
883126	1/4"-20 x 1/2"	•	C	100	3000	0.97
883128	1/4"-20 x 3/4"	•	C	100	3000	1.19
883130	1/4"-20 x 1"	•	C	100	3000	1.45
883131	1/4"-20 x 1-1/4"	•	C	100	3000	1.69
883132	1/4"-20 x 1-1/2"	•	C	100	1000	1.97
883134	1/4"-20 x 2"	•	C	100	1000	2.42
883136	1/4"-20 x 2-1/2"	•	C	100	1000	2.92
883138	1/4"-20 x 3"	•	C	100	1000	3.43
883139	1/4"-20 x 4"	•	C	100	500	4.63
883174	3/8"-16 x 1-3/4"	•	C	100	1000	6.31



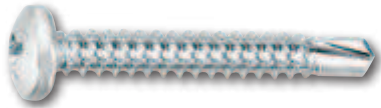
Stainless Steel Tap Bolts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
801400	1/4"-20 x 1/2"		C	100	2000	1.18
801401	1/4"-20 x 3/4"		C	100	2000	1.44
801402	1/4"-20 x 1"		C	100	2000	1.67
801403	1/4"-20 x 1-1/4"		C	100	1000	2.01
801404	1/4"-20 x 1-1/2"		C	100	1000	2.36
801405	1/4"-20 x 2"		C	100	1000	3.07
801406	1/4"-20 x 2-1/2"		C	100	1000	3.75
801407	1/4"-20 x 3"		C	100	1000	4.35
801409	1/4"-20 x 4"		C	100	500	5.75
801415	5/16"-18 x 3/4"		C	100	2000	2.33
801416	5/16"-18 x 1"		C	100	1000	2.74
801418	5/16"-18 x 1-1/2"		C	100	1000	3.82
801419	5/16"-18 x 2"	•	C	100	1000	4.82
801428	3/8" x 3/4"		C	100	1000	3.56
801429	3/8" x 1"		C	100	1000	4.03
801430	3/8"-x 1-1/4"		C	100	1000	4.78
801431	3/8" x 1-1/2"		C	100	1000	5.54
801432	3/8" x 2"		C	100	500	6.94
801433	3/8" x 2-1/2"		C	50	500	8.52
801434	3/8" x 3"		C	50	500	10.04
801435	3/8" x 3-1/2"		C	50	250	11.51
801436	3/8" x 4"	•	C	50	250	13.06
801438	3/8" x 5"	•	C	50	250	15.95
801440	3/8" x 6"	•	C	50	250	19.13
801441	1/2"-13 x 3/4"	•	C	50	500	7.28
801442	1/2"-13 x 1"	•	C	50	500	8.30
801443	1/2"-13 x 1-1/4"	•	C	50	500	9.30
801444	1/2"-13 x 1-1/2"	•	C	50	500	10.42
801445	1/2"-13 x 2"	•	C	50	250	13.25
801446	1/2"-13 x 2-1/2"	•	C	50	250	16.05
801447	1/2"-13 x 3"	•	C	50	250	18.75
801483	5/8"-11 x 3"	•	C	25	125	7.45



Stainless Steel Self Drilling Screws Hex Washer Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M.
813502	#6-20 x 1/2"	•	C	100	4000	0.26
813503	#6-20 x 3/4"		C	100	4000	0.33
813507	#8-18 x 1/2"		C	100	4000	0.40
813509	#8-18 x 3/4"S		C	100	4000	0.50
813510	#8-18 x 1"		C	100	3000	0.55
813512	#8-18 x 1-1/2"		C	100	3000	0.70
813513	#10-16 x 1/2"		C	100	4000	0.50
813515	#10-16 x 3/4"		C	100	3000	0.60
813516	#10-16 x 1"		C	100	3000	0.70
813517	#10-16 x 1-1/4"	•	C	100	3000	0.90
813518	#10-16 x 1-1/2"	•	C	100	3000	1.00
813522	#12-14 x 3/4"		C	100	3000	0.80
813523	#12-14 x 1"		C	100	3000	0.90
813524	#12-14 x 1-1/4"		C	100	3000	1.15
813525	#12-14 x 1-1/2"		C	100	3000	1.30
813526	#12-14 x 2"		C	100	1000	1.54
813529	#14-14 x 3/4"		C	100	3000	0.70
813530	#14-14 x 1"		C	100	3000	0.80
813532	#14-14 x 1-1/2"		C	100	1000	1.86
813534	#14-14 x 2-1/2"	•	C	100	1000	2.75
813535	#14-14 x 3"		C	100	1000	3.17



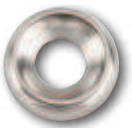
Stainless Steel Self Drilling Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
813603	#6-20 x 5/8"		C	100	4000	0.20
813604	#6-20 x 3/4"	•	C	100	4000	0.25
813605	#6-20 x 1"	•	C	100	4000	0.30
813607	#8-18 x 2"	•	C	100	3000	0.90
813609	#8-18 x 3/4"		C	100	4000	0.40
813610	#8-18 x 1"		C	100	4000	0.50
813614	#10-16 x 1/2"		C	100	4000	0.50
813615	#10-16 x 3/4"		C	100	4000	0.60
813616	#10-16 x 1"		C	100	3000	0.70
813618	#10-16 x 1-1/2"		C	100	3000	1.00
813619	#10-16 x 2"	•	C	100	1000	1.10
813623	#12-14 x 1"		C	100	3000	1.00
813627	#12-14 x 2-1/2"		C	100	1000	2.10
813628	#12-14 x 3"	•	C	100	1000	2.30



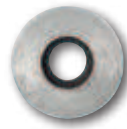
Stainless Steel Fender Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
846002	3/16" x 1"	•	C	100	2000	1.30
846004	1/4" x 1"		C	100	2000	1.22
846005	1/4" x 1-1/4"		C	100	2000	1.90
846006	1/4" x 1-1/2"		C	100	1000	3.05
846008	5/16" x 1-1/2"	•	C	100	1000	2.70
846009	3/8" x 1-1/4"		C	100	2000	2.00
846010	3/8" x 1-1/2"		C	100	1000	2.95
846011	1/2" x 1-1/2"		C	100	1000	2.45
846012	1/2" x 2"		C	100	1000	5.30



Stainless Steel Finishing Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
849002	No. 6	•	C	100	4000	0.08
849003	No. 8		C	100	4000	0.11
849004	No. 10		C	100	4000	0.14
849005	No. 12		C	100	4000	0.21
849006	No. 14		C	100	3000	0.27



Stainless Steel Neoprene Sealing Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
813547	#8		C	100	1000	0.30
813548	#10		C	100	1000	0.30
813549	#12		C	100	1000	0.40
813550	#14		C	100	1000	0.40
813554	5/16"	•	C	100	1000	



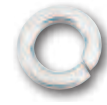
Stainless Steel Flat Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
842002	1/4"		C	100	4000	0.60
842003	5/16"		C	100	4000	1.10
842004	3/8"		C	100	4000	1.40
842006	1/2"		C	100	2000	3.90
842008	5/8"		C	50	1000	7.70
842009	3/4"		C	25	500	11.00
842010	7/8"	•	C	25	500	15.30
842013	1-1/4"	•	C	10	100	26.00
843002	No. 6	•	C	100	4000	0.10
843003	No. 8		C	100	4000	0.20
843004	No. 10		C	100	4000	0.20
843005	No. 12	•	C	100	4000	0.30



Stainless Steel Flat Washers Type 316

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
844002	1/4"		C	100	4000	0.60
844003	5/16"		C	100	4000	1.10
844004	3/8"		C	100	4000	1.40
844006	1/2"		C	100	2000	3.90
844008	5/8"		C	50	1000	7.70
844009	3/4"		C	25	500	11.00



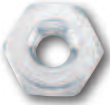
Stainless Steel Split Lock Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
847002	No. 6	•	C	100	4000	0.03
847003	No. 8		C	100	4000	0.05
847004	No. 10		C	100	4000	0.07
847006	1/4"		C	100	4000	0.22
847007	5/16"		C	100	4000	0.38
847008	3/8"		C	100	4000	0.60
847010	1/2"		C	100	2000	1.30
847012	5/8"	•	C	100	1000	2.40
847013	3/4"	•	C	100	1000	4.00



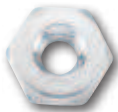
Stainless Steel Split Lock Washers Type 316

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
847304	#10	•		100	4000	0.70
847306	1/4"	•		100	4000	0.22



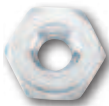
Stainless Steel Machine Screw Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
815005	#6-32		C	100	4000	0.21
815006	#8-32		C	100	4000	0.28
815007	#10-24		C	100	4000	0.33
815008	#10-32		C	100	4000	0.33
815009	#12-24	•	C	100	4000	0.56



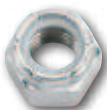
Stainless Steel Finish Hex Nuts NC

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
816001	1/4"-20		C	100	4000	0.68
816002	5/16"-18		C	100	3000	1.02
816003	3/8"-16		C	100	2000	1.49
816005	1/2"-13		C	50	1000	3.60
816007	5/8"-11		C	50	500	7.11
816008	3/4"-10		C	25	250	11.80
816009	7/8"-9	•	C	10	200	17.67



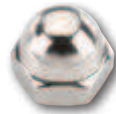
Stainless Steel Finished Hex Nuts NC Type 316

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
819001	1/4"-20		C	100	4000	0.68
819002	5/6"-18	•	C	100	3000	1.02
819003	3/8"-16	•	C	100	2000	1.49
819007	5/8"-11	•	C	50	500	7.11
819008	3/4"-10	•	C	25	250	11.80



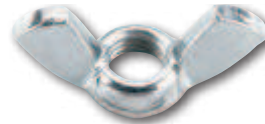
Stainless Steel Locknuts Nylon Insert

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
828004	#10-24 NM	•	C	100	4000	0.48
828005	#10-32 NM	•	C	100	4000	0.48
828006	1/4"-20 NE		C	100	4000	0.84
828007	5/16"-18 NE		C	100	3000	1.10
828008	3/8"-16 NE		C	100	200	1.76
828010	1/2"-13 NE	•	C	50	500	4.10



Stainless Steel Acorn Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
832005	1/4"-20	•	C	100	4000	0.92
832007	3/8"-16		C	100	4000	2.34



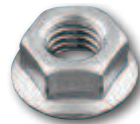
Stainless Steel Wing Nuts Forged

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
833005	1/4"-20	•	C	100	4000	2.30
833007	3/8"-16		C	100	1000	3.70



Stainless Steel Rod Coupling Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
830005	1/4"-20		C	100	2000	1.90
830007	3/8"-16		C	100	1000	3.60
830009	1/2"-13		C	50	500	8.24
830010	5/8"-11		C	25	250	30.87



Stainless Steel Serrated Flange Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
816498	1/4"-20		C	100	4000	0.80
816500	3/8"-16		C	100	2000	1.90



DOMESTIC PRODUCTS



Zinc Cap Screw Grade 5 USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D002001	1/4"-20 x 1/2"		C	100	2000	1.14
D002003	1/4"-20 x 3/4"		C	100	2000	1.41
D002005	1/4"-20 x 1"		C	100	2000	1.67
D002006	1/4"-20 x 1-1/4"		C	100	1000	2.01
D002007	1/4"-20 x 1-1/2"		C	100	1000	2.36
D002009	1/4"-20 x 2"		C	100	1000	3.07
D002011	1/4"-20 x 2-1/2"	•	C	100	1000	3.75
D002013	1/4"-20 x 3"	•	C	100	1000	4.35
D002015	1/4"-20 x 3-1/2"	•	C	100	500	5.25
D002017	1/4"-20 x 4"	•	C	100	500	5.75
D002026	5/16"-18 x 1"	•	C	100	1000	2.74
D002027	5/16"-18 x 1-1/4"	•	C	100	1000	3.23
D002028	5/16"-18 x 1-1/2"	•	C	100	1000	3.82
D002030	5/16"-18 x 2"	•	C	100	1000	4.82
D002045	3/8"-16 x 3/4"		C	100	1000	3.40
D002047	3/8"-16 x 1"		C	100	1000	4.03
D002048	3/8"-16 x 1-1/4"		C	100	1000	4.78
D002049	3/8"-16 x 1-1/2"		C	100	1000	5.64
D002051	3/8"-16 x 2"		C	100	500	6.94
D002053	3/8"-16 x 2-1/2"		C	50	500	8.52
D002055	3/8"-16 x 3"	•	C	50	500	10.04
D002059	3/8"-16 x 4"	•	C	50	250	13.06
D002083	1/2"-13 x 3/4"	•	C	50	500	7.26
D002085	1/2"-13 x 1"		C	50	500	8.30
D002086	1/2"-13 x 1-1/4"		C	50	500	9.30
D002087	1/2"-13 x 1-1/2"		C	50	500	10.42
D002089	1/2"-13 x 2"		C	50	250	13.26
D002091	1/2"-13 x 2-1/2"		C	50	250	16.06
D002119	5/8"-11 x 1-1/4"	•	C	25	250	16.12
D002120	5/8"-11 x 1-1/2"	•	C	25	250	18.00
D002121	5/8"-11 x 1-3/4"		C	25	250	19.77
D002122	5/8"-11 x 2"	•	C	25	125	22.12
D002123	5/8"-11 x 2-1/4"	•	C	25	125	24.20
D002124	5/8"-11 x 2-1/2"		C	25	125	26.32
D002125	5/8"-11 x 2-3/4"	•	C	25	125	28.12
D002126	5/8"-11 x 3"		C	25	125	30.52
D002128	5/8"-11 x 3-1/2"	•	C	25	125	34.60
D002130	5/8"-11 x 4"	•	C	25	125	37.12
D002133	5/8"-11 x 5-1/2"	•	C	25	125	38.92
D002147	3/4"-10 x 3"	•	C	25	75	46.00
D002148	3/4"-10 x 3-1/4"	•	C	25	75	48.90
D002149	3/4"-10 x 3-1/2"		C	25	75	52.40
D002152	3/4"-10 x 4-1/2"	•	C	25	75	64.50



Zinc Split Lock Washers USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D047006	1/4"		C	100	4000	0.22
D047007	5/16"	•	C	100	4000	0.38
D047008	3/8"		C	100	4000	0.60
D047010	1/2"		C	100	3000	1.30
D047012	5/8"	•	C	100	1000	2.40
D047013	3/4"		C	100	1000	4.00



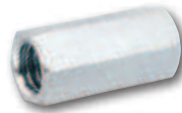
Zinc Fender Washers USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D046004	1/4" x 1"		C	100	2000	1.22
D046005	1/4" x 1-1/4"		C	100	2000	1.90
D046006	1/4" x 1-1/2"		C	100	1000	3.05
D046009	3/8" x 1-1/4"		C	100	2000	2.00
D046010	3/8" x 1-1/2"		C	100	1000	2.95
D046012	1/2" x 2"		C	100	1000	5.30



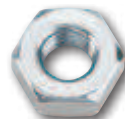
Zinc USS Flat Washers USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D042002	1/4"		C	100	4000	0.70
D042003	5/16"	•	C	100	3000	1.10
D042004	3/8"		C	100	2000	1.50
D042006	1/2"		C	100	1000	3.90
D042008	5/8"		C	50	500	7.70
D042009	3/4"		C	25	250	11.00
D042011	1"		C	25	250	18.80



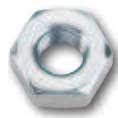
Zinc Rod Coupling Nuts USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D030007	3/8"-16 x 1/2"x 1-1/8"		C	100	1000	3.85
D030009	1/2"-13 x 5/8" x 1-1/4"		C	50	500	3.05



Zinc Hex Nuts NC Grade 5 USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D023001	1/4"-20		C	100	4000	0.68
D023002	5/16"-18	•	C	100	3000	1.02
D023003	3/8"-16		C	100	2000	1.49
D023005	1/2"-13		C	50	1000	3.60
D023006	5/8"-11		C	50	500	7.11
D023007	3/4"-10		C	25	250	11.80
D023008	7/8"-9		C	10	200	17.54
D023009	1"-8	•	C	10	100	26.40



Zinc Heavy Hex Nuts Grade 2 USA

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
D021003	3/8"-16		C	100	4000	0.68
D021009	1"-8	•	C	10	100	4.01



BRASS PRODUCTS



Brass Finishing Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
749003	#8		C	100	4000	0.11
749005	#12		C	100	4000	0.27



Brass Wood Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
776027	#6 x 3/4"		C	100	4000	0.25
776029	#6 x 1"		C	100	4000	0.30
776030	#6 x 1-1/4"		C	100	4000	0.40
776050	#8 x 1"		C	100	4000	0.60
776051	#8 x 1-1/4"		C	100	4000	0.80
776052	#8 x 1-1/2"		C	100	3000	0.90
776074	#10 x 1-1/2"		C	100	3000	1.30
776078	#10 x 2-1/2"		C	100	1000	1.90
776080	#10 x 3"		C	100	1000	2.10
776087	#12 x 1-1/2"		C	100	1000	1.90

JAR PRODUCTS



Drywall Screws Phillips Bugle Head Phosphate Finish Fine Thread

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
005001J	#6 x 1"			100	3000	0.35
005003J	#6 x 1-1/4"			100	3000	0.45
005004J	#6 x 1-5/8"			100	3000	0.50
005005J	#6 x 2"			100	1000	0.60
005006J	#6 x 2-1/4"			100	1000	0.65
005007J	#8 x 2-1/2"			100	1000	1.05
005008J	#8 x 3"			100	1000	1.15



Drywall Screws Phillips Bugle Head Phosphate Finish Coarse Thread

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
005051J	#6 x 1"		C	100	3000	0.35
005053J	#6 x 1-1/4"		C	100	3000	0.44
005054J	#6 x 1-5/8"		C	100	3000	0.50
005055J	#6 x 2"		C	100	1000	0.60
005058J	#8 x 3"		C	100	1000	1.01



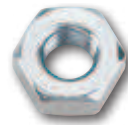
Framing Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
005185J	#6 x 7/16" Sharp Point		C	100	3000	0.30
005186J	#6 x 7/16" M		C	1000	10000	2.55
005187J	#6 x 7/16" SD		C	100	3000	0.35
005189J	#6 x 7/16" SDM		C	1000	10000	2.70
005190J	#6 x 7/16" SDM		C	1000	10000	0.35



Zinc Fender Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
046001J	1/8" x 1"		C	100	3000	
046002J	3/16" x 1"		C	100	3000	1.30
046003J	3/16" x 1-1/4"		C	100	2000	2.15
046004J	1/4" x 1"		C	100	3000	1.22
046005J	1/4" x 1-1/4"		C	100	2000	1.90
046006J	1/4" x 1-1/2"		C	100	1000	3.05
046007J	5/16" x 1-1/4"		C	100	2000	2.15
046008J	5/16" x 1-1/2"		C	100	1000	2.70
046009J	3/8" x 1-1/4"		C	100	2000	2.00
046010J	3/8" x 1-1/2"		C	100	1000	2.95
046011J	1/2" x 1-1/2"		C	100	1000	2.45
046012J	1/2" x 2"		C	100	1000	5.30
046013J	3/8" x 2"		C	100	1000	5.70
046014J	1/4" x 2"		C	100	1000	4.95
046015J	3/8" x 1"		C	100	3000	1.90



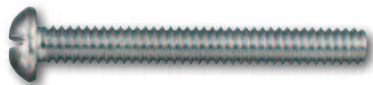
Zinc Hex Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
016001J	1/4"-20		C	100	3000	0.75
016002J	5/16"-18		C	100	3000	1.10
016003J	3/8"-16		C	100	2000	1.55
016005J	1/2"-13		C	50	1000	1.85



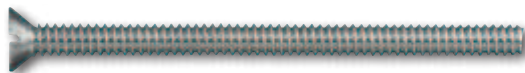
Truss Combo Machine Screw

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
085005J	#6-32 x 1/2"		C	100	3000	0.30
085007J	#6-32 x 3/4"		C	100	3000	0.40
085009J	#6-32 x 1"		C	100	3000	0.50
085010J	#6-32 x 1-1/4"		C	100	3000	0.76
085011J	#6-32 x 1-1/2"		C	100	3000	0.60
085013J	#6-32 x 2"		C	100	2000	0.75



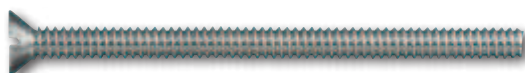
Zinc Machine Screws Round Combo Head (Slot/Phillips)

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
082005J	#6-32 x 1/2"		C	100	3000	0.30
082007J	#6-32 x 3/4"		C	100	3000	0.35
082009J	#6-32 x 1"		C	100	3000	0.45
082010J	#6-32 x 1-1/4"		C	100	3000	0.50
082011J	#6-32 x 1-1/2"		C	100	3000	0.55
082013J	#6-32 x 2"		C	100	2000	0.75
082015J	#6-32 x 2-1/2"		C	100	2000	0.85
082017J	#6-32 x 3"		C	100	1000	1.05
082019J	#6-32 X 4"		C	100	1000	
082027J	#8-32 x 3/8"		C	100	3000	0.30
082028J	#8-32 x 1/2"		C	100	3000	0.40
082030J	#8-32 x 3/4"		C	100	3000	0.50
082032J	#8-32 x 1"		C	100	3000	0.65
082033J	#8-32 x 1-1/4"		C	100	3000	0.70
082034J	#8-32 x 1-1/2"		C	100	3000	0.85
082036J	#8-32 x 2"		C	100	1000	1.10
082037J	#8-32 x 2-1/2"		C	100	1000	1.30
082038J	#8-32 x 3"		C	100	1000	1.55
082039J	#8-32 X 4"		C	100	1000	
082053J	#10-24 x 1/2"		C	100	3000	0.55
082055J	#10-24 x 3/4"		C	100	3000	0.60
082057J	#10-24 x 1"		C	100	3000	0.85
082058J	#10-24 x 1-1/4"		C	100	2000	0.95
082059J	#10-24 x 1-1/2"		C	100	2000	1.15
082061J	#10-24 x 2"		C	100	1000	1.41
082063J	#10-24 x 2-1/2"		C	100	1000	
082065J	#10-24 x 3"		C	100	1000	
082083J	#10-32 x 3/8"		C	100	3000	0.50
082084J	#10-32 x 1/2"		C	100	3000	0.55
082086J	#10-32 x 3/4"		C	100	3000	0.70
082088J	#10-32 x 1"		C	100	3000	0.85
082089J	#10-32 x 1-1/4"		C	100	2000	1.00
082090J	#10-32 x 1-1/2"		C	100	2000	1.15
082092J	#10-32 x 2"		C	100	1000	1.55
082200J	1/4"-20 x 3/8"		C	100	3000	0.90
082201J	1/4"-20 x 1/2"		C	100	3000	1.05
082203J	1/4"-20 x 3/4"		C	100	2000	1.25
082205J	1/4"-20 x 1"		C	100	2000	1.55
082206J	1/4"-20 x 1-1/4"		C	100	2000	1.85
082207J	1/4"-20 x 1-1/2"		C	100	1000	2.05
082209J	1/4"-20 x 2"		C	100	1000	2.60
082211J	1/4"-20 x 2-1/2"		C	100	1000	3.10
082213J	1/4"-20 x 3"		C	100	600	3.70
082245J	3/8"-16 x 1/2"		C	100	1000	2.85
082247J	3/8"-16 x 3/4"		C	100	1000	3.35
082249J	3/8"-16 x 1"		C	100	1000	4.25
082250J	3/8"-16 x 1-1/4"		C	100	1000	4.65
082251J	3/8"-16 x 1-1/2"		C	100	1000	5.10
082253J	3/8"-16 x 2"		C	100	600	6.60
082257J	3/8"-16 x 3"		C	50	300	4.50



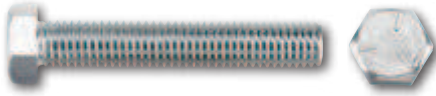
Zinc Machine Screws Flat Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
080003J	#6-32 x 3/8"		C	100	3000	
080004J	#6-32 x 1/2"		C	100	3000	0.30
080006J	#6-32 x 3/4"		C	100	3000	0.40
080008J	#6-32 x 1"		C	100	3000	0.20
080009J	#6-32 x 1-1/4"		C	100	3000	0.55
080010J	#6-32 x 1-1/2"		C	100	3000	0.45
080012J	#6-32 x 2"		C	100	2000	0.50
080018J	#8-32 x 3/4"		C	100	3000	0.40
080020J	#8-32 x 1"		C	100	3000	0.55
080021J	#8-32 x 1-1/4"		C	100	3000	0.60
080022J	#8-32 x 1-1/2"		C	100	3000	0.70
080024J	#8-32 x 2"		C	100	2000	1.10
080025J	#8-32 x 2-1/2"		C	100	1000	
080026J	#8-32 x 3"		C	100	1000	1.45
080028J	#10-24 x 1/2"		C	100	3000	
080030J	#10-24 x 3/4"		C	100	3000	
080032J	#10-24 x 1"		C	100	3000	
080033J	#10-24 x 1-1/4"		C	100	2000	
080034J	#10-24 x 1-1/2"		C	100	2000	
080037J	#10-24 x 2-1/2"		C	100	1000	
080038J	#10-24 x 3"		C	100	1000	
080042J	#10-32 x 3/4"		C	100	3000	
080044J	#10-32 x 1"		C	100	3000	
080045J	#10-32 x 1-1/4"		C	100	2000	
080046J	#10-32 x 1-1/2"		C	100	2000	
080050J	#1/4-20 x 3/8"		C	100	3000	
080051J	#1/4-20 x 1/2"		C	100	3000	
080052J	#1/4-20 x 5/8"		C	100	2000	
080053J	#1/4-20 x 3/4"		C	100	2000	
080055J	#1/4-20 x 1"		C	100	2000	
080057J	#1/4-20 x 1-1/2"		C	100	1000	
080059J	#1/4-20 x 2"		C	100	1000	
080060J	#1/4-20 x 2 1/2"		C	100	1000	
080062J	#1/4-20 x 3"		C	100	600	
080200J	#6-32 x 2-1/2"		C	100	2000	0.95
080300J	#6-32 x 3"		C	100	1000	0.75



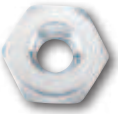
Zinc Machine Screws Flat Slotted Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
078038J	#6-32 x 1/2"		C	100	3000	0.25
078040J	#6-32 x 3/4"		C	100	3000	0.30
078042J	#6-32 x 1"		C	100	3000	0.40
078043J	#6-32 x 1-1/4"		C	100	3000	0.45
078044J	#6-32 x 1-1/2"		C	100	3000	0.55
078046J	#6-32 x 2"		C	100	2000	0.70
078048J	#6-32 x 2-1/2"		C	100	2000	0.80
078049J	#6-32 x 3"		C	100	1000	1.00
078050J	#6-32 x 4"		C	100	1000	1.25



Zinc Tap Bolts A307

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
001400J	1/4"-20 x 1/2"		C	100	3000	1.20
001401J	1/4"-20 x 3/4"		C	100	2000	1.45
001402J	1/4"-20 x 1"		C	100	2000	1.80
001403J	1/4"-20 x 1-1/4"		C	100	1000	2.00
001404J	1/4"-20 x 1-1/2"		C	100	1000	2.30
001405J	1/4"-20 x 2"		C	100	1000	2.80
001406J	1/4"-20 x 2-1/2"		C	100	1000	3.15
001407J	1/4"-20 x 3"		C	100	600	3.90
001416J	5/16"-18 x 1"		C	100	1000	2.90
001417J	5/16"-18 x 1-1/4"		C	100	1000	3.35
001418J	5/16"-18 x 1-1/2"		C	100	1000	3.70
001419J	5/16"-18 x 2"		C	100	600	4.60
001420J	5/16"-18 x 2-1/2"		C	100	600	5.10
001427J	3/8"-16 x 1/2"		C	100	1000	3.65
001428J	3/8"-16 x 3/4"		C	100	1000	4.30
001429J	3/8"-16 x 1"		C	100	1000	4.85
001430J	3/8"-16 x 1-1/4"		C	100	1000	5.40
001431J	3/8"-16 x 1-1/2"		C	100	600	6.70
001432J	3/8"-16 x 2"		C	50	500	4.00
001433J	3/8"-16 x 2-1/2"		C	50	300	4.65
001434J	3/8"-16 x 3"		C	50	300	4.65



Zinc Machine Screw Nuts

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
015005J	#6-32		C	100	3000	0.25
015006J	#8-32		C	100	3000	0.35
015007J	#10-24		C	100	3000	0.35
015008J	#10-32		C	100	3000	0.35
015009J	#12-24		C	100	3000	0.60



Zinc Self Drilling Screws Hex Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
135011J	#8-18 x 1-1/4" #2		C	100	3000	0.75
135031J	#14-14 x 1-1/4" #3		C	100	3000	1.70
135034J	#14-14 x 2-1/2" #3		C	100	1000	2.91
135507J	#8-18 x 1/2" #2	•	C	1000	10000	3.35
135509J	#8-18 x 3/4" #2	•	C	1000	10000	3.97
135515J	#10-16 x 3/4" #3		C	500	5000	3.04



Zinc Self Drilling Screws Pan Phillips

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
136002J	#6-20 x 1/2" #2		C	100	3000	0.30
136004J	#6-20 x 3/4" #2		C	100	3000	0.35
136005J	#6-20 x 1" #2		C	100	3000	0.40
136008J	#8-18 x 1/2" #2		C	100	3000	0.35
136009J	#8-18 x 3/4" #2		C	100	3000	0.45
136010J	#8-18 x 1" #2		C	100	3000	0.55
136011J	#8-18 x 1-1/4" #2		C	100	3000	0.65
136012J	#8-18 x 1-1/2" #2		C	100	3000	0.75
136014J	#10-16 x 1/2" #3		C	100	3000	0.50
136015J	#10-16 x 3/4" #3		C	100	3000	0.60
136016J	#10-16 x 1" #3		C	100	3000	0.75
136017J	#10-16 x 1-1/4" #3		C	100	3000	0.85
136018J	#10-16 x 1-1/2" #3		C	100	3000	1.05
136023J	#12-14 x 1" #3		C	100	3000	1.00



Zinc S Hook

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
000520J	1"		C	100	3000	0.80
000521J	1-1/4"		C	100	2000	0.77
000522J	1-1/2"		C	100	1000	1.30



Drywall Screws Coarse Thread

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
005551J	#6 x 1"		C	100	3000	0.15
005062J	#6 x 1-1/4"		C	100	3000	0.20
005063J	#6 x 1-5/8"		C	100	3000	0.60
005064J	#6 x 2"		C	100	2000	0.60
005067J	#8 x 3"		C	100	1000	0.08



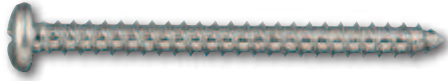
Drywall Screws Yellow Zinc Coarse Thread

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
005562J	#6 x 1-1/4"		C	500	5000	1.70
005563J	#6 x 1-5/8"		C	500	3000	2.20
005564J	#6 x 2"		C	300	1800	1.65



Zinc Tap Screws Square

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
062124J	#10 x 3/4" AB Pan Sqr		C	100	3000	0.60
062125J	#10 x 1" A Pan Sqr		C	100	3000	0.75
062127J	#10 x 1-1/2" A Pan Sqr		C	100	2000	1.10



Zinc Tap Screws Pan Combo Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
061103J	#6 x 1/2" AB		C	100	3000	0.25
061105J	#6 x 3/4" AB		C	100	3000	0.35
061106J	#6 x 1" A		C	100	3000	0.40
061108J	#6 x 1-1/2"	•	C	100	3000	0.55
061109J	#6 x 2" A	•	C	100	2000	0.65
061111J	#8 x 1/2" AB		C	100	3000	0.40
061113J	#8 x 3/4" AB		C	100	3000	0.45
061114J	#8 x 1" A		C	100	3000	0.55
061115J	#8 x 1-1/4" A		C	100	3000	0.65
061116J	#8 x 1-1/2" A		C	100	2000	0.80
061118J	#8 x 2" A		C	100	1000	1.00
061122J	#10 x 1/2" AB		C	100	3000	0.55
061124J	#10 x 3/4" AB		C	100	3000	0.65
061125J	#10 x 1" A		C	100	3000	0.75
061126J	#10 x 1-1/4" A		C	100	2000	0.85
061127J	#10 x 1-1/2" A		C	100	2000	1.00
061129J	#10 x 2" A		C	100	1000	1.25
061130J	#10 x 2-1/2" A		C	100	1000	1.55
061131J	#10 x 3" A		C	100	1000	1.80
061134J	#12 x 3/4" AB		C	100	3000	0.85
061135J	#12 x 1" A		C	100	3000	1.00
061136J	#12 x 1-1/4" A		C	100	2000	1.20
061137J	#12 x 1-1/2" A		C	100	2000	1.35
061139J	#12 x 2" A		C	100	1000	1.80
061144J	#14 x 1" A		C	100	2000	0
061145J	#14 x 1-1/4" A		C	100	2000	0
061146J	#14 x 1-1/2" A		C	100	1000	0
061148J	#14 x 2" A		C	100	1000	0
061149J	#14 x 2-1/2" A		C	100	1000	0
061150J	#14 x 3" A		C	100	600	0

Zinc Tap Screws Hex Head No Slot



CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
060126J	#10 x 1"		C	100	2000	0.765



Zinc Tap Screws Hex Slot Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
060008J	#6 x 1/2" AB	•	C	100	3000	0.25
060009J	#6 x 3/4" AB		C	100	3000	0.35
060013J	#8 x 1/2" AB		C	100	3000	0.40
060015J	#8 x 3/4" AB		C	100	3000	0.45
060016J	#8 x 1" A		C	100	3000	0.55
060018J	#8 x 1-1/2" A		C	100	3000	0.75
060019J	#8 x 2" A		C	100	1000	1.00
060023J	#10 x 1/2" AB		C	100	3000	0.50
060025J	#10 x 3/4" AB		C	100	3000	0.65
060026J	#10 x 1" A		C	100	3000	0.75
060027J	#10 x 1-1/4" A		C	100	2000	0.95
060028J	#10 x 1-1/2" A		C	100	2000	1.00
060029J	#10 x 2" A		C	100	1000	1.30
060030J	#10 x 2-1/2" A		C	100	1000	
060031J	#10 x 3" A		C	100	600	1.90
060033J	#12 x 3/4" AB		C	100	2000	0.95
060034J	#12 x 1" A		C	100	2000	0.98
060035J	#12 x 1-1/4" A		C	100	2000	1.15
060036J	#12 x 1-1/2" A		C	100	2000	1.35
060037J	#12 x 2" A		C	100	1000	1.70
060038J	#12 x 2-1/2" AB		C	100	1000	1.75
060040J	#14 x 3/4" AB		C	100	2000	1.30
060041J	#14 x 1" A		C	100	2000	1.45

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CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
060043J	#14 x 1-1/2" A		C	100	1000	1.95
060044J	#14 x 2" A		C	100	1000	2.40
060045J	#14 x 2-1/2" A		C	100	1000	
060046J	#14 x 3" A		C	100	600	3.40



Zinc Tap Screws Zip Point Hex Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
061017J	#7 x 1/2"		C	100	3000	0.31
061032J	#8 x 1/2" M		C	1000	10000	0.31
061033J	#8 x 3/4"		C	100	3000	0.42
061034J	#8 x 3/4" M		C	1000	10000	0.42
061035J	#8 x 1"		C	100	3000	0.51
061036J	#8 x 1" M		C	1000	10000	0.51
061037J	#8 x 1-1/4"		C	100	3000	0.62
061038J	#8 x 1-1/2"		C	100	3000	0.66
061045J	#10 x 3/4"		C	100	3000	0.62
061065J	#10 x 1"		C	100	3000	0.66



Green Grounding Screws and Clips

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
079101J	#10-32 x 3/8" Type F Hex Head		C	100	3000	0.55
079100J	#10-32 x 3/8" Hex Combo Head		C	100	3000	0.55
079102J	Grounding Clips		C	100	3000	0.41

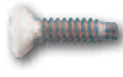
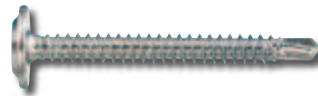


Plate Screws Oval Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
079200J	#6-32 x 1/2" White		C	100	3000	0.24
079203J	#6-32 x 3/4" White		C	100	3000	0.26
079205J	#6-32 x 1" White		C	100	3000	0.39
079300J	#6-32 x 1/2" Ivory		C	100	3000	0.24
079305J	#6-32 x 1" Ivory		C	100	3000	0.39

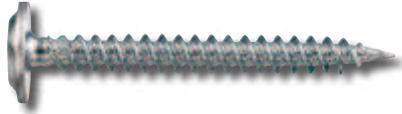


Zinc Self Drilling Screws Wafer Head/100 Jar

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
138525J	#8 x 1/2"		C	100	3000	0.36
138527J	#8 x 3/4"		C	100	3000	0.45
138529J	#8 x 1"		C	100	3000	0.55
138530J	#8 x 1-1/4"		C	100	3000	0.64
138531J	#8 x 1-5/8"		C	100	2000	0.78
138533J	#8 x 2"		C	100	1000	0.94
138535J	#8 x 2-1/2"	•	C	100	1000	1.15
138537J	#8 x 3"	•	C	100	1000	1.36

Zinc Self Drilling Screws Wafer Head/1000 Jar

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./UM
138625J	#8 x 1/2"		C	1000	10000	0.36
138627J	#8 x 3/4"		C	1000	6000	0.45
138629J	#8 x 1"		C	1000	6000	0.55
138630J	#8 x 1-1/4"		C	1000	6000	0.64
138631J	#8 x 1-5/8"		C	500	3000	0.78
138633J	#8 x 2"		C	500	3000	0.94
138635J	#8 x 2-1/2"	•	C	500	3000	1.15
138637J	#8 x 3"	•	C	250	1500	3.35

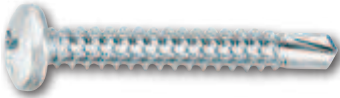


Zinc Zip Point Screws Wafer Head/100 Jar

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
138125J	#8 x 1/2"		C	100	3000	0.34
138127J	#8 x 3/4"		C	100	3000	0.43
138129J	#8 x 1"		C	100	3000	0.53
138130J	#8 x 1-1/4"		C	100	3000	0.62
138131J	#8 x 1-1/2"		C	100	2000	0.73
138133J	#8 x 2"		C	100	1000	0.92
138135J	#8 x 2-1/2"	•	C	100	1000	1.25
138137J	#8 x 3"	•	C	100	1000	1.40

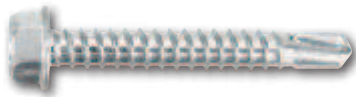
Zinc Zip Point Screws Wafer Head/500 Jar

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
138225J	#8 x 1/2"		C	1000	10000	3.62
138227J	#8 x 3/4"		C	1000	6000	3.90
138229J	#8 x 1"		C	1000	6000	2.41
138230J	#8 x 1-1/4"		C	500	5000	3.40



Zinc Self Drilling Screws Pan Phillips Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
136002J	#6-20 x 1/2" #2		C	100	3000	0.30
136004J	#6-20 x 3/4" #2		C	100	3000	0.35
136005J	#6-20 x 1" #2		C	100	3000	0.40
136008J	#8-18 x 1/2" #2		C	100	3000	0.35
136009J	#8-18 x 3/4" #2		C	100	3000	0.45
136010J	#8-18 x 1" #2		C	100	3000	0.55
136011J	#8-18 x 1-1/4" #2		C	100	3000	0.65
136012J	#8-18 x 1-1/2" #2		C	100	3000	0.75
136014J	#10-16 x 1/2" #3		C	100	3000	0.50
136015J	#10-16 x 3/4" #3		C	100	3000	0.60
136016J	#10-16 x 1" #3		C	100	3000	0.75
136017J	#10-16 x 1-1/4" #3		C	100	3000	0.85
136018J	#10-16 x 1-1/2" #3		C	100	2000	1.05
136022J	#12-14 x 3/4" #3		C	100	3000	0.80
136023J	#12-14 x 1" #3		C	100	3000	1.00



Zinc Self Drilling Screws Hex Head

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
135007J	#8-18 x 1/2" #2		C	1000	10000	0.40
135009J	#8-18 x 3/4" #2		C	100	3000	0.50
135010J	#8-18 x 1" #2		C	100	3000	0.55
135012J	#8-18 x 1-1/2" #2		C	100	3000	0.75
135013J	#10-16 x 1/2" #2		C	100	3000	0.50
135015J	#10-16 x 3/4" #3		C	100	3000	0.70
135016J	#10-16 x 1" #3		C	100	3000	0.75
135017J	#10-16 x 1-1/4" #3		C	100	2000	0.90
135018J	#10-16 x 1-1/2" #3		C	100	2000	1.00
135019J	#10-16 x 2" #3		C	100	1000	1.30
135022J	#12-14 x 3/4" #3		C	100	3000	0.80
135023J	#12-14 x 1" #3		C	100	2000	1.00
135024J	#12-14 x 1-1/4" #3		C	100	2000	1.15
135025J	#12-14 x 1-1/2" #3		C	100	2000	1.35
135026J	#12-14 x 2" #3		C	100	1000	1.70
135027J	#12-14 x 2-1/2" #3		C	100	1000	2.05

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
135029J	#14-14 x 3/4" #3		C	100	3000	1.25
135030J	#14-14 x 1" #3		C	100	2000	1.45
135032J	#14-14 x 1-1/2" #3		C	100	1000	1.90
135033J	#14-14 x 2" #3		C	100	1000	2.40
135036J	#14-14 x 3" #3		C	100	600	3.35
135011J	#8-18 x 1-1/4" #2		C	100	3000	0.68
135031J	#14-14 x 1-1/4" #3		C	100	1000	1.75
135034J	#14-14 x 2-1/2" #3		C	100	600	2.90



Zinc Flat Washers SAE

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
043002J	No. 6		C	100	3000	0.20
043003J	No. 8		C	100	3000	0.20
043004J	No. 10		C	100	3000	0.20
043005J	No. 12		C	100	3000	0.30
043006J	1/4"		C	100	3000	0.45
043007J	5/16"		C	100	3000	
043008J	3/8"		C	100	3000	0.85
043010J	1/2"		C	100	2000	2.10
043012J	5/8"		C	50	1000	1.30
043013J	3/4"		C	50	500	



Zinc Split Lock Washers

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
047002J	No. 6		C	100	3000	0.10
047003J	No. 8		C	100	3000	0.10
047004J	No. 10		C	100	3000	0.15
047005J	No. 12	•	C	100	3000	0.15
047006J	1/4"		C	100	3000	0.30
047007J	5/16"		C	100	3000	0.40
047008J	3/8"		C	100	3000	0.70
047010J	1/2"		C	100	2000	1.35
047012J	5/8"		C	100	1000	2.50
047013J	3/4"		C	100	1000	4.05



Zinc Flat Washers USS

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U.M
042001J	3/16"			100	3000	0.30
042002J	1/4"			100	3000	0.70
042003J	5/16"			100	2000	1.25
042004J	3/8"			100	2000	1.50
042006J	1/2"			100	1000	3.90



ACCESSORIES



Jack Chain

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
000500	#12 100' Box		E	1	0	8.25
000501	#12 100' Reel		E	1	0	8.70
000505	#10 100' Box		E	1	0	14.70
000515	#14 Double Loop 200' Reel		E	1		



Rebar Tie Wire

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
000985	16 Gauge Plain		E	10	0	8.50



Screw Hook

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
010476	W806	•	E	100	1000	8.50
010472	W802	•	E	50	500	5.00



Bit Tips, Holder and Handle

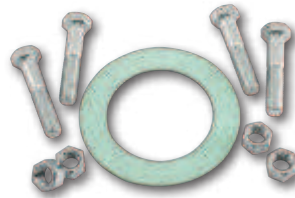
CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
221023	#3 Phillips Tip Bit	•	E		1	
221035	#8-10 x 1" Slot Insert		E		1	
221055	#1 x 2" Square Drive Hex Bit		E		1	
221066	#1 x 1" Square Drive Hex Bit		E		1	



Eye Coupler Solid

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
EC3816	3/8"-16			100	500	3.20

GASKETS



#150 Green Non-Asbestos Gasket Sets

CAT #	SIZE	BOX QTY.
350051	2"	1
350052	2-1/2"	1
350053	3"	1
350055	4"	1
350057	5"	1
350058	6"	1
350060	8"	1
350061	10"	1

Gaskets 1/16" thick. all sets include zinc plated A307 bolts and nuts.



#150 Green Non-Asbestos Gaskets

CAT #	SIZE	BOX QTY.
350001	2" 150#	1
350002	2-1/2" 150#	1
350003	3" 150#	1
350005	4" 150#	1
350007	5" 150#	1
350008	6" 150#	1
350010	8" 150#	1
350011	10" 150#	1

Gaskets 1/16" thick.



#150 Green Non-Asbestos Full Face Gaskets

CAT #	SIZE	BOX QTY.
353253	3" 150#	1
353255	4" 150#	1
353258	6" 150#	1

Gaskets 1/16" thick.



KITS

Anchor Kits

CAT #	SIZE	COUNT	UM	BOX QTY.	WT./UM
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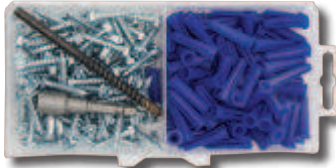
008933	#6 Combo Plastic Anchor Kit	C	C	10	6.25
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008937	#10 x 1-1/4" Pan Head Anchor Kit	C	C	10	11.92
	10 -12 Bantam Anchors	100 qty.			
	10 x 1-1/4" Tapping Pan Combo Screws	100 qty.			
	1/4 C/T Drill Bit	1			



008939	#10 x 1-1/4" Hex Head Anchor Kit	C	C	10	12.55
	10 x 1-1/4" Bantam Anchors	100 qty.			
	10 x 1-1/4" Hex Washer Hd Screws	100 qty.			
	1/4 C/T Drill Bit	1			
	5/16 Hex Driver	1			



008941	#10 x 1" Hex Head Anchor Kit	C	C	10	10.70
	10 x 1" Bantam Anchors	100 qty.			
	10 x 1" Hex Washer Hd Screws	100 qty.			
	1/4 C/T Drill Bit	1			
	5/16 Hex Driver	1			

(no photo available)

008948	#10 Super Yellow Anchor Kit	C	C	10	11.00
	#10-12 Yellow Ribbed Anchors				
	#10 x 1" Pan Hd Screws				
	1/4 x 4 Masonry Bit				

(no photo available)

008933	6-8 x 34 Bantam Anchors				
	#6 x 1" Pan Hd Screws				
	3/16 x 4 Masonry Bit				

Screw Kits

CAT #	SIZE	MSTR. PK.	WT./UM
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008932	6-32 Truss Head Combo Machine Screw Kit		10
	6-32 x 1/2"	100 qty.	
	6-32 x 3/4"	90 qty.	
	6-32 x 1-1/4"	50 qty.	
	6-32 x 1-1/2"	40 qty.	
	6-32 x 2"	40 qty.	

(no photo available)

008940	#14 x 1 Pan Head Anchor Kit		10
	#14-16 x 1-1/2 Bantam Anchors		
	#14 x 1 Pan Head Screws		
	5/16 x 4 Masonry Bit		



008943	Hex Washer Head Tek Screw Kit		10	17.11
	8 x 1/2"	100 qty.		
	8 x 3/4"	50 qty.		
	8 x 1"	40 qty.		
	10 x 1/2"	50 qty.		
	10 x 3/4"	35 qty.		
	10 x 1"	30 qty.		
	1/4" Hex Driver	1		
	5/16" Hex Driver	1		



008947	#10 Pan Combo Tap Screw Kit		10	18.75
	10 x 1/2"	70 qty.		
	10 x 3/4"	50 qty.		
	10 x 1"	35 qty.		
	10 x 1-1/4"	30 qty.		
	10 x 1-1/2"	25 qty.		
	10 x 2"	20 qty.		

(no photo available)

008986	6/32" Round Head Machine Screw Kit		10	13.30
	6-32 x 1/2"	100 qty.		
	6-32 x 3/4"	60 qty.		
	6-32 x 1"	50 qty.		
	6-32 x 1-1/4"	40 qty.		
	6-32 x 1-1/2"	35 qty.		
	6-32 x 2"	25 qty.		



008988	#10 Hex Washer Screw Kit		10	17.75
	10 x 1/2"	60 qty.		
	10 x 3/4"	40 qty.		
	10 x 1"	35 qty.		
	10 x 1-1/4"	30 qty.		
	10 x 1-1/2"	60 qty.		
	10 x 2"	20 qty.		
	5/16" Hex Driver	1		

008989	6/32" Machine Screw Kit Flat Head Phillips		10	16.26
	6/32 x 1/2"	100 qty.		
	6/32 x 3/4"	100 qty.		
	6/32 x 1"	75 qty.		
	6/32 x 1-1/4"	55 qty.		
	6/32 x 1-1/2"	45 qty.		
	6/32 x 2"	40 qty.		



008990	6/32" Machine Screw Kit Flat Head Slotted	10	16.44
	6/32 x 1/2" 100 qty.	6/32 x 1-1/4" 55 qty.	
	6/32 x 3/4" 100 qty.	6/32 x 1-1/2" 45 qty.	
	6/32 x 1" 75 qty.	6/32 x 2" 40 qty.	



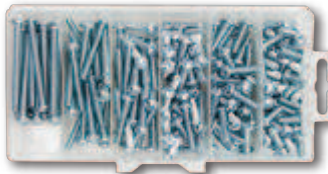
008991	8/32" Machine Screw Kit Round Head	10	19.28
	8/32 x 1/2" 100 qty.	8/32 x 1-1/4" 40 qty.	
	8/32 x 3/4" 60 qty.	8/32 x 1-1/2" 35 qty.	
	8/32 x 1" 50 qty.	8/32 x 2" 25 qty.	



008992	10-24 Machine Screw Kit Round Combo Head	10	20.70
	10/32 x 1/2" 75 qty.	10/32 x 1-1/4" 30 qty.	
	10/32 x 3/4" 50 qty.	10/32 x 1-1/2" 25 qty.	
	10/32 x 1" 40 qty.	10/32 x 2" 25 qty.	



008993	1/4-20 Machine Screw Kit Round Combo Head	10	21.40
	1/4-20 x 3/8" 40 qty.	1/4-20 x 1-1/4" 20 qty.	
	1/4-20 x 1/2" 35 qty.	1/4-20 x 1-1/2" 15 qty.	
	1/4-20 x 1" 30 qty.	1/4-20 x 2" 12 qty.	



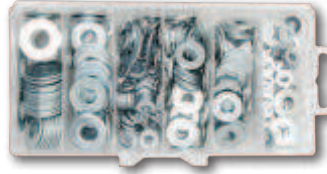
008998	10-32 Machine Screw Kit Round Combo Head	10	22.15
	10-32 x 1/2" 75 qty.	10-32 x 1-1/4" 30 qty.	
	10-32 x 3/4" 50 qty.	10-32 x 1-1/2" 25 qty.	
	10-32 x 1" 40 qty.	10-32 x 2" 25 qty.	



008994	6-32 Wall Plate Kit Painted Machine Screws	10	15.30
	White 6-32 x 1/2" 50 qty.	Nickel 6-32 x 1/2" 50 qty.	
	Ivory 6-32 x 1/2" 50 qty.	Black 6-32 x 1/2" 50 qty.	
	Brown 6-32 x 1/2" 50 qty.	Zinc 6-32 x 1/4" 25 qty.	

Washer and Nut Kits

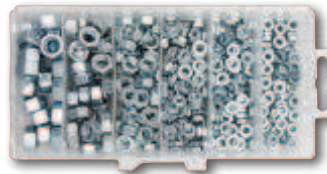
CAT # SIZE COUNT BOX QTY. WT./LBM



008995	Flat Washer Kit	10	20.10
	#8 SAE 100 qty.	1/4" USS 100 qty.	
	#10 SAE 100 qty.	5/16" USS 35 qty.	
		3/8" USS 35 qty.	



008996	Fender Washer Kit	10	27.05
	3/16 x 1-1/4" 40 qty.		
	1/4 x 1-1/4" 40 qty.		
	3/8 x 1-1/4" 40 qty.		



008997	Finished Hex Nut Kit	10	20.29
	6-32 100 qty.	1/4-20 50 qty.	
	8-32 100 qty.	5/16-18 35 qty.	
	10-32 100 qty.	3/8-16 20 qty.	



ELECTRICAL PRODUCTS



Pig Tails with Grounding Screw

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
079105	7" 12 Ga		C	50	500	1.35
079110	10" 12Ga		C	25	500	0.60

Stud Guard

CAT #	SIZE	MADE TO ORDER	U/M	BOX QTY.	CTN QTY.	WT./U/M
079111	1-1/2" x 2-1/2" Galvanized 2 Hole		C	100	-	-
079115	1-1/2" x 2-3/4" 16 Gauge		C	100	-	-
079118	1-1/2" x 5" 20 Gauge		C	100	-	-



Reducing Washers

CAT #	SIZE	MADE TO ORDER	U/M	CC	BOX QTY.	CTN QTY.
079402	3/4 x 1/2"		C	540	100	2000.00
079403	1 x 1/2"		C	540	100	1000.00
079404	1 x 3/4"		C	540	100	1000.00
079405	1-1/4" x 1/2"		C	540	50	1000.00
079406	1-1/4" x 3/4"		C	540	50	1000.00
079407	1-1/4" x 1"		C	540	50	1000.00
079408	1-1/2 x 1/2"	•	C	540	50	500.00
079409	1-1/2 x 3/4"		C	540	50	500.00
079410	1-1/2 x 1"		C	540	50	500.00
079411	1-1/2 x 1-1/4"		C	540	50	500.00
079412	2 x 1/2"		C	540	25	250.00
079413	2 x 3/4"		C	540	25	250.00
079414	2 x 1"		C	540	25	250.00
079415	2 x 1-1/4"		C	540	25	250.00
079416	2 x 1-1/2"		C	540	25	250.00
079419	2-1/2 x 1"	•	C	540	25	250.00
079420	2-1/2 x 1-1/4"	•	-C	540	25	250.00
079421	2-1/2 x 1-1/2"	•	C	540	25	250.00
079422	2-1/2 x 2"	•	C	540	25	250.00
079427	3 x 1-1/2"	•	C	540	10	100.00
079428	3 x 2"		C	540	10	100.00
079429	3 x 2-1/2"	•	C	540	10	100.00
079443	4 x 2"		C	540	10	50.00
079444	4 x 2-1/2"	•	C	540	10	50.00
079445	4 x 3"	•	C	540	10	50.00



Knock-Out Seals Stainless Steel Type 316

CAT #	SIZE	MADE TO ORDER	U/M	CC	BOX QTY.	CTN QTY.
079500	1/2"		C	580	100	1000
079501	3/4"		C	580	100	1000
079502	1"		C	580	100	500
079503	1-1/4"		C	580	50	500
079504	1-1/2"		C	580	50	250
079505	2"		C	580	50	250



**3-Piece Knock-Out Seals
Stainless Steel Type 316**

CAT #	SIZE	MADE TO ORDER	U/M	CC	BOX QTY.	CTN QTY.
079520	1/2"		C	580	100	1000
079521	3/4"		C	580	50	500
079522	1"		C	580	25	250
079523	1-1/4"		C	580	25	250
079524	1-1/2"		C	580	10	100
079525	2"		C	580	10	100
079526	2-1/2"		C	580	10	100
079527	3"		C	580	10	30
079528	3-1/2"		C	580	10	30
079529	4"		C	580	10	30



STD. DRILL SCREWS	94
DRILIT®	94
TAPFAST®	98
ROOF CLIP FASTENERS	98
DRIL-FLEX®	99
TAP-FLEX®	101
ALUMI-FLEX®	102
BI-FLEX®	103
FAB-LOK®	105
ULTRACON®	106
CRETE-FLEX®	108
AGGRE-GATOR®	110
CON-FLEX®	111
RAPIDSET TOOLS	114



ICC ES ESR-3294

Standard Drill Screws

Self-drilling fasteners in the most popular sizes

Self-drilling fasteners eliminate separate drilling and tapping operations for faster, more economical installations.

Specifications

- Diameters: #8 to 1/4"
- Lengths: 1/2" to 4"
- Drill Points: Drilit® forged or Drilitite® dual-processed
- Drive Systems: Hex and phillips
- Material: Carbon steel
- Finishes: Stalgard® coating or zinc

Features & Benefits

- Eliminates separate drilling and tapping operations
- Fasteners coated with Stalgard finish typically show no red rust or other base metal corrosion on significant surfaces even after 1000 hours of 5% neutral salt spray exposure (per ASTM B117)

Cat #	Description	Point Type	Finish	Ctn Qty	Wt / Ctn
#8 Diameter, 1/4" Hex Washer Head					
*EDA236-I	8-18 x 1/2"	#2 Drilit	Stalgard	10,000	36
*EDA261-I	8-18 x 3/4"	#2 Drilit	Stalgard	8,000	37
*EDA286-I	8-18 x 1"	#2 Drilit	Stalgard	5,000	27
#8 Diameter, #2 Phillips Pan Head					
*EDD251-I	8-18 x 1/2"	#2 Drilit	Stalgard	10,000	34
*EDD266-I	8-18 x 3/4"	#2 Drilit	Stalgard	10,000	44
EDD291	8-18 x 1"	#2 Drilit	Stalgard	8,000	43
#10 Diameter, 5/16" High Hex Washer Head					
EDB401	10-16 x 1/2"	#3 Drilit	Stalgard	5,000	31
EDB426	10-16 x 5/8"	#3 Drilit	Stalgard	6,000	45
EDB446	10-16 x 3/4"	#3 Drilit	Stalgard	6,000	47
*EFC460-I	10-16 x 3/4"	#3 Drilit	Zinc	6,000	47
EDC450	10-16 x 3/4"	#1 Drilit	Stalgard	5,000	39
EDB486	10-16 x 1"	#3 Drilit	Stalgard	5,000	46
EDB541	10-16 x 1-1/2"	#3 Drilit	Stalgard	3,000	35
EDB571	10-16 x 2"	#3 Drilit	Stalgard	2,000	29
#12 Diameter, 5/16" Hex Washer Head					
EDC745	12-14 x 3/4"	#1 Drilit	Stalgard	5,000	45
EDB741	12-14 x 3/4"	#3 Drilit	Stalgard	5,000	46
EDB761	12-14 x 1"	#3 Drilit	Stalgard	4,000	41
EDB782	12-14 x 1-1/4"	#3 Drilit	Stalgard	3,000	36
EDB801	12-14 x 1-1/2"	#3 Drilit	Stalgard	2,500	35

Cat #	Description	Point Type	Finish	Ctn Qty	Wt / Ctn
EDB821	12-14 x 2"	#3 Drilit	Stalgard	2,000	34
EDB840	12-14 x 3"	#3 Drilit	Stalgard	1,000	24
EDB845	12-14 x 4"	#3 Drilit	Stalgard	500	15

1/4" Diameter, 3/8" Hex Washer Head

EDB936	1/4-14 x 3/4"	#3 Drilit	Stalgard	3,500	48
EDC930	1/4-14 x 7/8"	#1 Drilit	Stalgard	4,000	38
EDB946	1/4-14 x 1"	#3 Drilit	Stalgard	3,000	47
EDB956	1/4-14 x 1-1/4"	#3 Drilit	Stalgard	2,000	37
EDB961	1/4-14 x 1-1/2"	#3 Drilit	Stalgard	2,000	39
EDB971	1/4-14 x 2"	#3 Drilit	Stalgard	1,500	38
EDB981	1/4-14 x 3"	#3 Drilit	Stalgard	800	28
EDB983	1/4-14 x 4"	#3 Drilit	Stalgard	500	23

* denotes globally-sourced product.



MADE IN THE
USA
WITH GLOBAL MATERIALS

Drilit® Drill Screws with Bonded Sealing Washers

Economical fasteners for applications requiring a weather-tight seal

This economical line of drill screws provides a weather-tight seal for protection against the elements.

Specifications

- Diameters: #10 to 1/4"
- Lengths: 3/4" to 4"
- Head Styles: Hex washer
- Drive System: Hex
- Point Types: #1 to #5
- Material: Carbon steel
- Finish: Stalgard® coating

Features & Benefits

- EPDM washer material is UV- and heat-resistant for long-term protection against leakage
- Stalgard coating provides 1000 hours of salt spray resistance (per ASTM B117)

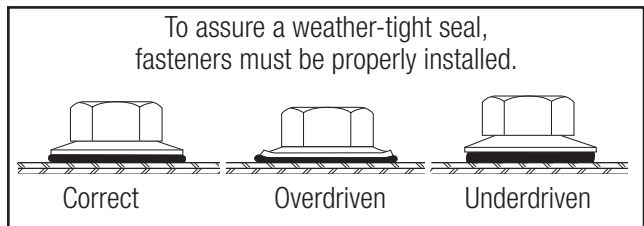
Cat #	Description	Point Type	Washer O.D.	Finish	Ctn Qty	Wt / Ctn
#10 Diameter, 5/16" Hex Washer Head						
EHL111	10-16 x 3/4"	#3 Drilit	1/2"	Stalgard	3,000	31
EHL146	10-16 x 1-1/2"	#3 Drilit	1/2"	Stalgard	2,000	28
#12 Diameter, 5/16" Hex Washer Head						
EHL165	12-14 x 3/4"	#3 Drilit	9/16"	Stalgard	3,000	34
EHL351	12-24 x 7/8"	#4 Drilit	9/16"	Stalgard	2,500	31

Cat #	Description	Point Type	Washer O.D.	Finish	Ctn Qty	Wt / Ctn
EHL181	12-14 x 1"	#3 Drillit	9/16"	Stalgard	2,500	32
EHL235	12-14 x 1-1/4"	#3 Drillit	9/16"	Stalgard	2,000	27
EHL371	12-24 x 1-1/4"	#4.5 Drillit	9/16"	Stalgard	2,500	39
EHL276	12-14 x 1-1/2"	#3 Drillit	9/16"	Stalgard	2,000	33
EHL280	12-14 x 2"	#3 Drillit	9/16"	Stalgard	1,500	30
EHL295	12-14 x 3"	#3 Drillit	9/16"	Stalgard	1,000	27
EHL310	12-14 x 4"	#3 Drillit	9/16"	Stalgard	500	15
ECW725	12-24 x 1-1/4"	#5 Drilltite	9/16"	Stalgard	2,500	35
ECW745	12-24 x 1-1/2"	#5 Drilltite	9/16"	Stalgard	2,000	28
ECW755	12-24 x 2"	#5 Drilltite	9/16"	Stalgard	1,000	20

1/4" Diameter, 3/8" Hex Washer Head

EHK315	1/4-14 x 7/8"	#1 Drillit	9/16"	Stalgard	2,500	32
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EHL515	1/4-14 x 3/4"	#3 Drillit	5/8"	Stalgard	2,500	40
EHL530	1/4-14 x 1"	#3 Drillit	5/8"	Stalgard	2,000	37
EHL556	1/4-14 x 1-1/4"	#3 Drillit	5/8"	Stalgard	1,500	31
EHL577	1/4-14 x 1-1/2"	#3 Drillit	5/8"	Stalgard	1,500	34
EHL585	1/4-14 x 2"	#3 Drillit	5/8"	Stalgard	1,000	27
EHL600	1/4-14 x 3"	#3 Drillit	5/8"	Stalgard	800	29
EHL610	1/4-14 x 4"	#3 Drillit	5/8"	Stalgard	500	24



Drilit® Drill Screws for Wood-to-Metal Applications

For efficient fastening of wood or composite materials to steel

These self-drilling fasteners eliminate separate drilling and tapping operations for faster installation in wood-to-metal applications.

Specifications

- Diameters: #10 to 1/4"
- Lengths: 3/4" to 4"

1-800-435-7213

- Head Styles: Flat and wafer
- Drive System: Phillips
- Point Styles: Types 3 and 4
- Material: Carbon steel
- Finishes: Gray Stalgard® coating

Features & Benefits

- Eliminates pre-drilling of wood
- Broad selection of sizes
- Can be used with steel up to 1/4" thick
- Gray Stalgard coating provides 1000 hours of salt spray resistance; developed for use with ACQ-treated lumber with retention levels no higher than .25 PC

Cat #	Description	Point Type	Typ. Wood Thick	Drilling Capacity (min. - max. in steel)	Qty / Shipper	Wt / Shipper
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#10 Diameter, #2 Phillips Wafer Head

EDM582-I	10-24 x 3/4"	#3	3/8"	.036" - .187"	8,000	43
EDM592-I	10-24 x 1"	#3	1/2"	.036" - .187"	6,000	43
EDM607-I	10-24 x 1-1/4"	#3	5/8"	.036" - .187"	5,000	38
EDT602-I	10-24 x 1-7/16"	#3 w/wings	3/4"	.036" - .187"	4,000	40
EDM622-I	10-16 x 1-1/2"	#3	3/4"	.036" - .187"	3,500	35
EDM635-I	10-16 x 1-13/16"	#3	3/4"	.036" - .150"	2,500	29

#12 Diameter, #3 Phillips Wafer Head

EDT720-I	12-24 x 1-3/4"	#4 w/wings	1"	.060" - .250"	2,000	33
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#12 Diameter, #3 Phillips Flat Head

EDT267-I	12-24 x 2-1/4"	#4 w/wings	1-1/4"	.060" - .250"	2,000	38
EDT282-I	12-24 x 2-3/4"	#4 w/wings	1-5/8"	.060" - .250"	1,500	35
EDJ867-I	12-14 x 3-5/8"	#2 w/pilot	1-3/4"	.030" - .150"	1,000	24

1/4" Diameter, #3 Phillips Flat Head

EDT442-I	1/4-20 x 3"	#4 w/wings	2"	.060" - .250"	1,000	31
EDT470-I	1/4-20 x 4"	#4 w/wings	3"	.060" - .250"	1,000	41

Drilling and Tapping Capacity for Wood to Metal Screws (Maximum Material Thickness)*

Combined Material Thickness	.500"							
	.400"							
	.300"					.312"		
	.200"				.250"			
	.100"	.110"	.150"	.187"				
.000"								
Diameter	#10	#12	#10	#12	1/4"	#11	#12	1/4"
Point Type	2	3	4	4	4	4	5**	5**

* NOTE: Some drill and tap capacities may vary due to special features on some fasteners. Refer to product performance specifications for any individual fastener to confirm performance and capabilities.

** Bi-Flex fasteners only. See page X & X for details.

NOTE: Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document. For additional product information and technical assistance, please contact Elco directly at 1-800-435-7213.



Drill Screws with Extended Drilling Capacity

Specially-designed drill points handle the toughest applications

This line of heavy-duty drill screws is designed to speed installation in steel applications up to 1/2" thick.

Cat #	Description	Point Type	Finish	Ctn Qty	Ctn Wt
#12 Diameter Decking Fasteners and Drill Screws for Steel Thicknesses of .175" to .500"					
MADE IN THE USA <small>WITH GLOBAL MATERIALS</small>					
EDC801	12-24 x 7/8"	#4 Drillit	Stalgard	4,500	47
EDC816	12-24 x 1-1/4"	#4.5 Drillit	Stalgard	3,500	50
ECC720	12-24 x 1-1/4"	#5 Drilltite	Stalgard	4,000	45
ECC740	12-24 x 1-1/2"	#5 Drilltite	Stalgard	2,500	40
ECC750	12-24 x 2"	#5 Drilltite	Stalgard	2,000	35
* denotes globally-sourced product.					
1/4" Diameter Decking Fasteners and Drill Screws for Steel Thicknesses of .175" to .500"					
*ECC940	1/4-20 x 3"	#5 Drillit	Stalgard	1,000	36
*ECC950	1/4-20 x 4"	#5 Drillit	Stalgard	500	46
*ECC960	1/4-20 x 5"	#5 Drillit	Stalgard	500	31
*ECC970	1/4-20 x 6"	#5 Drillit	Stalgard	500	37
*ECC980	1/4-20 x 8"	#5 Drillit	Stalgard	150	16

Stalgard® High-Performance Protective Coatings

Provide consistent, high corrosion resistance



RoHS compliant
(chrome-free)

Stalgard® durable, multi-layer, corrosion-resistant coatings are engineered to provide optimal performance in demanding construction applications. These

environmentally-friendly finishes are free of chromates and silicates and any process, like electroplating, that might induce hydrogen embrittlement, preventing structural failures.

- Maximizes fastener performance
- Salt spray at 1000+ hours with no red rust per ASTM B117
- Uniform thickness
- Low coefficient of friction – eliminates the need for post-coating lubricants to ease installation
- Does not use processes that introduce hydrogen – will not cause brittle failures like those caused by electroplating
- Durable tough finish – doesn't come off during handling or repeated installations
- Clean and dry – no oily residue
- Eliminates the plating process, resulting in a more environmentally-friendly product than those with plated zinc or other finishes
- Blue, grey, and white Stalgard are ACQ-compatible
- Maintains drilling and tapping performance



Stalgard Coating for Induction Heat-Treated Fasteners

Proven, outstanding corrosion resistance for most construction applications, including metal and wood. Salt spray resistance: 1000 hours per ASTM B117. Available colors: silver, black, blue, white, yellow, gray and brown



Stalgard GB (Galvanic Barrier) Coating

Standard on all Elco stainless steel fasteners. Prevents a galvanic reaction between the stainless steel and dissimilar application materials, which could lead to fastener and/or joint failure. Available color: Silver



Stalgard SUB Ultimate Barrier Coating

For more severely-corrosive environments. Salt spray 2,000 hours per ASTM B117. Available color: Silver

Drill Screws Technical Information

Ultimate Strength Values†

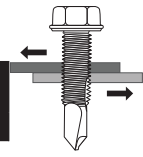
Carbon Steel, Case Hardened Product

Size	Tensile Lbs. Min.	Shear Avg. Lbs. Ult.	Torque Min. In.-Lbs.
8-18	1,615	1,100	42
8-32	1,890	1,228	48
10-16	2,200	1,470	61
10-24	2,362	1,535	65
12-14	2,950	1,960	92
12-24	3,400	2,275	100
1/4-14	3,850	2,580	150
1/4-20	4,276	2,860	168
5/16-12	7,650	5,100	250
5/16-18	8,903	5,247	438
11/32-12	8,550	5,700	400
23/64-12	9,150	6,100	425

Shear Values†

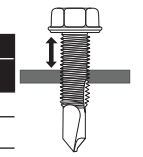
(Average Lbs. Ultimate)

Desc.	Point Type	Gauge								0.125 (1/8")
		26	24	22	20	18	16	14	12	
8-18	2	301	500	542	742	1,049	—	—	—	—
10-16	1	403	585	673	883	1,330	—	—	—	—
10-16	3	—	461	524	731	1,254	1,524	1,674	—	—
12-14	1	437	718	763	1,030	1,548	—	—	—	—
12-14	2	370	607	622	860	1,360	1,690	2,112	2,212	—
12-14	3	—	—	—	775	1,361	1,624	1,974	1,993	—
12-24	4	—	—	—	—	—	1,430	1,930	2,455	2,573
12-24	4.5	—	—	—	—	—	1,389	1,920	2,174	2,257
12-24	5	—	—	—	—	—	1,351	1,825	2,152	2,226
1/4-14	1	519	863	892	1,301	1,771	—	—	—	—
1/4-14	3	—	—	—	930	1,447	2,102	2,584	2,650	—
1/4-20	5	—	—	—	—	—	1,655	2,277	—	3,210



Ultimate Average Fastener Pull-Out Values† (Lbs.)

Desc.	Point Type	Material Thickness												
		26 Ga.	24 ga.	22 Ga.	20 Ga.	18 Ga.	16 Ga.	14 Ga.	12 Ga.	.120"	3/16"	1/4"	5/16"	3/8"
8-18	2	120	197	268	301	494	702	961	1,615	—	—	—	—	—
10-16	1	151	242	315	361	565	826	1,092	1,791	—	—	—	—	—
10-16	3	130	206	272	303	498	702	970	1,495	—	—	—	—	—
12-14	1	161	260	332	394	640	920	1,262	1,940	—	—	—	—	—
12-14	2	154	247	286	379	609	852	1,186	1,863	2,345	—	—	—	—
12-14	3	142	214	296	349	580	767	1,078	1,553	1,956	—	—	—	—
12-24	5	—	—	—	311	452	1,060	1,288	1,844	2,205	3,237	—	—	—
1/4-14	1	228	342	432	571	801	1,169	—	—	—	—	—	—	—
1/4-14	3	150	238	301	340	702	891	1,162	1,798	2,120	—	—	—	—
1/4-20	3	—	—	—	337	571	1,232	1,525	2,212	2,447	4,066	—	—	—
1/4-20	5	—	—	—	—	—	—	—	3,431	4,801	5,261	—	—	—
5/16-12	3 (.260 dia.)	—	—	—	491	706	1,609	1,707	2,831	2,915	3,745	—	—	—
5/16-18	3 (.290 dia.)	—	—	—	457	568	1,209	1,712	2,422	2,601	3,716	5,122	5,288	—
14-10 SS	A	270	363	426	459	657	1,194	1,368	—	—	—	—	—	—
1/4-14 SS	B	216	344	383	411	571	686	983	1,698	2,242	2,693	3,695	3,746	3,484

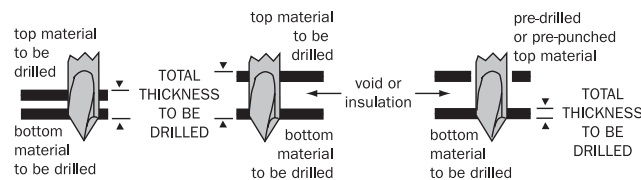


SS = Stainless Steel
CS = Carbon Steel

†NOTE: Test values shown are ultimate average values obtained under laboratory conditions and apply to fasteners manufactured by Elco Construction Products only.

Point Size Selection

Maximum Combined Material Thickness By Point Type



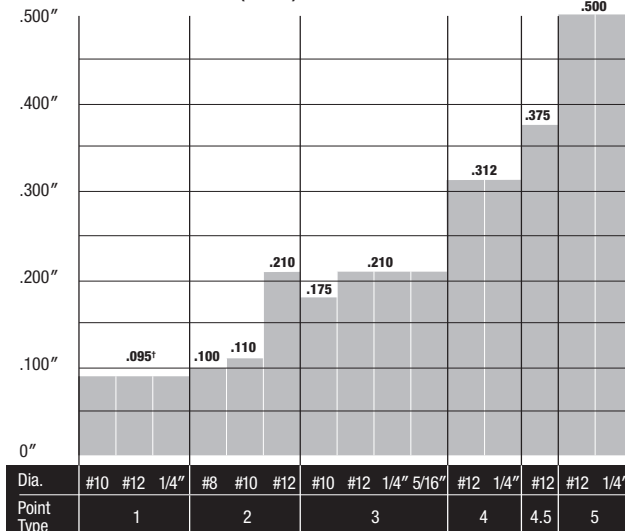
Diameter	RPM
#8	2500
#10	
#12	1800
1/4"	
5/16"	1200

Gauge	Decimal
26	0.018
24	0.024
22	0.030
20	0.038
18	0.048
16	0.060
14	0.075
12	0.106

Thread Dia.	Decimal
#6	.140
#7	.150
#8	.160
#9	.180
#10	.190
#11	.200
#12	.210
1/4	.240
#14	.250

Drilling and Tapping Capacity (Maximum Material Thickness)*

Combined Material Thickness (Inches)



† Lapped panels: 18 ga. to 18 ga.

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.

* NOTE: Some drill and tap capacities may vary due to special features on some fasteners. Refer to product performance specifications for any individual fastener to confirm performance and capabilities.



TapFast® Fasteners

For use in metal-to-wood application

High-performance fastener designed specifically for attaching light-gauge metal panels (18 ga. max.) to wood frame structures.

Specifications

Size: #10, Lengths: 1" to 3"

Head/Drive: 1/4" HWH

Thread: Hi-lo, Point: Type 17

Material: Carbon steel

Finish: Stalgard® coating

Features & Benefits

Aluminum bonded sealing washer

High-low thread increases performance

Easily penetrates multiple panel thicknesses

Stalgard coating provides 1000 hours of salt spray resistance (per ASTM B117)

Cat #	Description	Point	Finish	Ctn Qty	Ctn Wt
#9 Diameter, with Bonded Sealing Washer, Hex Washer Head					
EHH210	10-16 x 1"	Type 17	Stalgard	3,000	26
EHH230	10-16 x 1-1/2"	Type 17	Stalgard	2,500	29
EHH250	10-16 x 2"	Type 17	Stalgard	1,500	20
EHH265	10-16 x 2-1/2"	Type 17	Stalgard	1,000	17
EHH280	10-16 x 3"	Type 17	Stalgard	800	16

TapFast® Performance Data

Force Orientation relative to wood's grain	Edge Distance	Embedment (in.)		
		1"	1-1/2"	2"
Wood Type: SPF (Spruce, Pine Or Fir) .38-.39 Specific Gravity				
Pull-Out (Lbs.)				
With the grain (Into thin side)	3/4"	385	553	887
Against the grain (Into wide side)	1 1/2"	366	591	890
Shear (Lbs.)				
With the grain (Into thin side)	3/4"	447	484	647
Against the grain (Into wide side)	1 1/2"	322	655	654
Wood Type: #2 SYP (Southern Yellow Pine) .57-.60 Specific Gravity				
Pull-Out (Lbs.)				
With the grain (Into thin side)	3/4"	1,118	1,647	1,947
Against the grain (Into wide side, near edge)	3/4"	1,220	1,572	1,806
Shear (Lbs.)				
With the grain (Into thin side)	3/4"	782	887	939
Against the grain (Into wide side, near edge)	3/4"	663	686	724

Infatech/Elco Test Report Number 1002192



Architectural Roof Clip Fasteners

Low-profile head design for wood and steel applications

The efficiency of self-drilling fasteners and the aesthetics of an unobtrusive head are ideal for attaching metal roof clips to metal and wood.

Specifications

• Diameters: #10 to #12", Lengths: 1" to 2"

• Head Styles: Pancake, Drive Systems: Phillips

• Material: Carbon steel; Finishes: Silver or gray Stalgard® coating

Features & Benefits

• Eliminates separate drilling and tapping operations

• Pancake head improves aesthetics, prevents panel dimpling

• Stalgard coating provides 1000 hours of salt spray resistance (per ASTM B117), Gray Stalgard is ACQ-compatible*

Cat #	Description	Drive System	Point Type	Finish*	Ctn Qty	Ctn Wt
For Steel						
EDO450-I	10-16 x 1"	#2 Phillips	#3	Silver Stalgard	4,000	34
EDO460-I	10-16 x 1-1/2"	#2 Phillips	#3	Silver Stalgard	3,000	34
EDO470-I	10-16 x 2"	#2 Phillips	#3	Silver Stalgard	2,000	25
EDO735-I	12-14 x 1"	#2 Phillips	#3	Silver Stalgard	4,000	40
For Wood/Light Gauge Steel						
ETA850-I	10-12 x 1"	#2 Phillips	Pierce	Gray Stalgard*	4,000	37
ETA855-I	10-12 x 1-1/2"	#2 Phillips	Pierce	Gray Stalgard*	3,000	33
ETA860-I	10-12 x 2"	#2 Phillips	Pierce	Gray Stalgard*	2,000	27
ETA870-I	12-11 x 1"	#2 Phillips	Pierce	Gray Stalgard*	4,000	33

Architectural Roof Clip Fasteners Perform. Data

Pull-Out Values (Lbs)

Dia	Point Type	26 ga.	24 ga.	22 ga.	20 ga.	18 ga.	14 ga.	12 ga.
#10	#3	139	206	272	303	498	970	1495
#12	#3	142	214	296	349	580	1078	1553

Dia	Point Type	1/2" Plywood	5/8" Plywood	3/4" Plywood	Yellow Pine	3/4" OSB
#10	Pierce	366	381	401	582	290
#12	Pierce	378	393	429	677	329

Shear Values (Lbs)

Dia	Point Type	20 ga.	18 ga.	16 ga.	14 ga.
#10	#3	301	503	710	969
#12	#3	775	1361	1624	1974

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.



MADE IN THE
USA
WITH GLOBAL MATERIALS

ICC ES ESR-3332

COLA
(City of Los Angeles)
Report #25095

Dril-Flex® Structural Drill Screws

Virtually immune to delayed embrittlement failures

Dual heat treated drill screws provide the strength, ductility and resistance to embrittlement required for critical applications.

Specifications

- Diameters: #10 to 3/8"
- Lengths: 3/4" to 4"
- Head/Drive Styles: Hex washer, phillips pan, wafer and undercut flat
- Point Types: #3, #4 and #5
- Material: Alloy steel
- Heat Treat: Grade 5
- Finish: Silver Stalgard® or Stalgard SUB coating

Features & Benefits

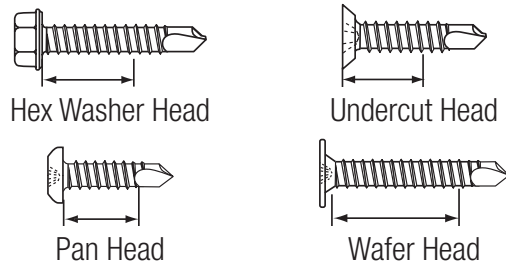
- Stalgard SUB coating (Hex washer product only) provides 2000 hours of salt spray resistance (per ASTM B117)
- High-hardness points and lead threads for drilling and tapping
- Lower hardness in load-bearing threads for ductility
- Virtually immune to delayed embrittlement failures

Cat #	Description	Pt.	Load-Bearing Area	Finish	Ctn Qty	Ctn Wt
#10 Diameter, 5/16" Hex Washer Head						
EAF430	10-16 x 3/4"	#3	.380"	Stalgard SUB	6,000	48
EAF460	10-16 x 1-1/2"	#3	1.25"	Stalgard SUB	2,500	30
EAF470	10-16 x 2"	#3	1.50"	Stalgard SUB	2,000	28
EAF480	10-16 x 2-1/2"	#3	2.25"	Stalgard SUB	1,500	25
#10 Diameter, #2 Phillips Pan Head						
EDX445	10-16 x 3/4"	#2	.380"	Stalgard	6,000	36
#10 Diameter, #2 Phillips Wafer Head						
EBL530	10-24 x 1-1/4"	#3	.750"	Stalgard	5,000	44
#12 Diameter, 5/16" Hex Washer Head						
EAF621*	12-14 x 7/8"	#3	.380"	Stalgard SUB	5,000	54
EAF641	12-14 x 1"	#3	.500"	Stalgard SUB	4,000	44
EAF661	12-14 x 1 1/4"	#3	.750"	Stalgard SUB	3,000	36
EAF681	12-14 x 1-1/2"	#3	1.00"	Stalgard SUB	2,500	38
EAF690	12-14 x 2"	#3	1.50"	Stalgard SUB	2,000	37
EAF715	12-14 x 3"	#2	2.35"	Stalgard SUB	1,000	27

Cat #	Description	Pt.	Load-Bearing Area	Finish	Ctn Qty	Ctn Wt
#12 Diameter, #3 Phillips Undercut Flat Head						
EBL215	12-14 x 1"	#3	.500"	Stalgard	4,000	36
EBL220	12-14 x 1-1/4"	#3	.750"	Stalgard SUB	3,000	29
EBL223	12-14 x 1-1/2"	#3	1.00"	Stalgard	2,500	26
1/4" Diameter, 3/8" Hex Washer Head						
EAF816	1/4-14 x 1"	#3	.450"	Stalgard SUB	3,000	54
EAF841	1/4-14 x 1-1/2"	#3	.950"	Stalgard SUB	2,000	45
EAF876	1/4-20 x 1-1/2"	#4	.830"	Stalgard SUB	2,000	48
EAF846	1/4-14 x 2"	#3	1.45"	Stalgard SUB	1,500	41
EAF886	1/4-20 x 2"	#4	1.33"	Stalgard SUB	1,500	45
EAF865	1/4-20 x 1-1/8"	#4	.500"	Stalgard SUB	2,500	51
EAF888	1/4-20 x 1-3/4"	#5	.800"	Stalgard SUB	1,000	27
EAF890	1/4-20 x 2-1/2"	#4	1.83"	Stalgard SUB	1,000	45
EAF900	1/4-20 x 3-3/8"	#4	2.70"	Stalgard SUB	500	22
EAF910	1/4-20 x 4"	#4	3.50"	Stalgard SUB	500	23
1/4" Diameter, #3 Phillips Undercut Flat Head						
EBL330	1/4-20 x 3"	#4	2.50"	Stalgard	500	20
EBL340	1/4-20 x 4"	#4	3.50"	Stalgard	500	23
5/16" Diameter, 3/8" Hex Washer Head						
EAF940	5/16-18 x 1-1/2"	#3	.800"	Stalgard SUB	1,000	37
EAF960	5/16-24 x 1-1/2"	#4	.800"	Stalgard SUB	1,000	40
EAF970	5/16-24 x 2"	#4	1.25"	Stalgard SUB	1,000	49

* for aluminum applications only

Load Bearing Area



Identification
(hex washer head shown)



Drill-Flex® Structural Drill Screws Technical Information

Pull-Out Tests – Steel (lbs.)

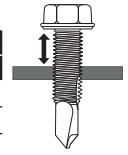
Screw Size	Point Type	Drill Cap.	Steel								
			18	16	14	12	1/8	3/16	1/4	5/16	
10-16	3	.150	396	501	634	1595	1693				
12-14	3	.187	396	527	710	1678	2061	2898			
1/4-14	3	.187	398	530	686	1950	2264	3919			
1/4-20	4	.312		516	649	1912	2296	2928	3561	4488	
5/16-18	3	.210				2333	2856				
5/16-24	4	.312				2148	2573	4226	5424	6622	
3/8-16	1	.075			1843						

Shear Tests – Steel (lbs.)

Screw Size	Point Type	Drill Cap.	Steel						
			18-18 ga.	18-14 ga.	16-16 ga.	14-14 ga.	1/8"-3/16"	3/16"-1/4"	1/4"-1/2 ga.
10-16	3	.150	1362	1733	1462				
12-14	3	.187	1315	2118	1655	1816			
1/4-14	3	.210	1395	2313	1681	2417	2600		
1/4-20	4	.312	1350	2086	1582	2450	2814	2810	2706
5/16-18	3	.210	1509	2300	1811	3255			
5/16-24	4	.312					5486	5283	4761
3/8-16	1	.075				6750			

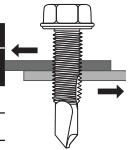
Pull-Out Tests – Aluminum

Screw Size	Point Type	Drill Cap.	Aluminum 6063-T5		
			1/8"	1/4"	3/8"
10-16	3	.150			
12-14	3	.187	939	2286	
1/4-14	3	.210	1003	2424	
1/4-20	4	.312	897	2075	3683
5/16-18	3	.210	1120	2967	4796
5/16-24	4	.312	1043	2566	



Shear Tests – Aluminum

Screw Size	Point Type	Drill Cap.	Aluminum 6063-T5	
			1/8"-1/8"	1/8"-1/4"
10-16	3	.150	1466	
12-14	3	.187	1797	2483
1/4-14	3	.210	1996	2883
1/4-20	4	.312	2006	2926
5/16-18	3	.210	2132	3009
5/16-24	4	.312	1849	2926



NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.

Comparison to Stainless Steel Screws

Galvanic Series

Anodic End	
Metal / Alloy	EMF(v)
Magnesium	-1.60
Zinc	-1.10
Alum	-0.75
(5000, 6000, 7000)	
Iron, Low Alloy Steels	-0.70
Alum (2000)	-0.60
Lead	-0.55
18% Chromium Steel	-0.35
Naval Brass	-0.30
Brass, Bronze	-0.25
Austenitic Stainless (300 Series)	-0.20
Nickel	-0.15
Silver	0
Gold	+0.15

corrosion resistance several times greater than other commonly-used finishes. If an environment is corrosive enough to significantly affect the Stalgard finish, the potential for significant degradation of the aluminum/stainless steel assembly would also exist.

300 series stainless steel fasteners provide high resistance to hydrogen embrittlement failures. However, stainless steel is galvanically incompatible with aluminum or steel panels. In this case, stainless steel fasteners trigger a sacrificial action, which can lead to degradation of the panel and loosening of the fastener.

A dual-hardening process allows Drill-Flex® fasteners to provide high strength and resistance to hydrogen embrittlement failures. Their Stalgard® finish provides

Embrittlement Tests

Embrittlement testing of Drill-Flex screws was performed in accordance to ASTM F1624-06. Fastener lots were tested to determine their Threshold Stress Limits for both Internal Hydrogen Embrittlement and Environmental Hydrogen Embrittlement. Threshold Stress Limit is the stress level below which no time-dependent cracking will occur. Above this level, subcritical cracking that leads to time-delayed fracture or embrittlement may occur if the fastener is exposed to a hydrogen environment.

Embrittlement Test Results

- Drill-Flex fasteners have a hardness range of HRC 28 – 34, which is roughly equivalent to a SAE Grade 5 fastener (HRC 25 – 34).
- Drill-Flex fasteners showed resistance to the effect of hydrogen-assisted cracking when loaded to 75% of their tensile strength. This is within accepted industry guidelines for in-service loading conditions.
- Drill-Flex fasteners showed no degradation or failures in tensile strength below their ultimate tensile strength.



Tap-Flex™ Thread-Forming Structural Screws

Increased thread engagement with strength and ductility

Feature a unique thread profile to ease installation and increase performance.

Specifications

- Diameters: 3/8", 1/2", and 5/8"
- Head Style: Hex washer
- Threads: E-Form® five-lobe thread forming
- Material: Alloy steel, Finish: Silver Stalgard® SUB coating
- Heat Treat: Grade 5; meets ASTM A449 specifications (120 KSI strength)

Features and Benefits

- E-Form thread overcomes friction build-up and reduces drive torque
- Roll forms own work-hardened thread to resist loosening and provide enhanced pull-out values
- Virtually immune to delayed embrittlement failures
- Stalgard SUB coating provides 2000 hours of salt spray resistance (per ASTM B117)

Cat #	Size	Finish	Seating Torque	Drill Bit Size	Load-Bearing Length	Qty	Wt
3/8" Diameter, Hex Washer Head							
ESU310	3/8-16 x 1-1/2	Stalgard SUB	31 ft.lb.	11/32	1.00"	500	34
ESU320	3/8-16 x 2	Stalgard SUB	31 ft.lb.	11/32	1.49"	500	40
ESU330	3/8-16 x 2-1/2	Stalgard SUB	31 ft.lb.	11/32	1.99"	500	46
ESU340	3/8-16 x 3	Stalgard SUB	31 ft.lb.	11/32	2.49"	250	26
ESU350	3/8-16 x 4	Stalgard SUB	31 ft.lb.	11/32	3.49"	250	32
ESU360	3/8-16 x 5	Stalgard SUB	31 ft.lb.	11/32	4.49"	150	23
1/2" Diameter, Hex Washer Head							
ESU410	1/2-13 x 1-1/2	Stalgard SUB	75 ft.lb.	15/32	0.875"	250	36
ESU420	1/2-13 x 2	Stalgard SUB	75 ft.lb.	15/32	1.365"	250	41
ESU430	1/2-13 x 2-1/2	Stalgard SUB	75 ft.lb.	15/32	1.865"	250	47
ESU440	1/2-13 x 3	Stalgard SUB	75 ft.lb.	15/32	2.37"	150	32
ESU450	1/2-13 x 4	Stalgard SUB	75 ft.lb.	15/32	3.37"	100	26
ESU460	1/2-13 x 5	Stalgard SUB	75 ft.lb.	15/32	4.37"	100	30

Cat #	Size	Finish	Seating Torque	Drill Bit Size	Load-Bearing Length	Qty	Wt
5/8" Diameter, Hex Washer Head							
ESU510	5/8-11 x 1-1/2	Stalgard SUB	150 ft.lb.	19/32	0.800"	250	46
ESU520	5/8-11 x 2	Stalgard SUB	150 ft.lb.	19/32	1.24"	150	33
ESU530	5/8-11 x 2-1/2	Stalgard SUB	150 ft.lb.	19/32	1.74"	150	38
ESU540	5/8-11 x 3	Stalgard SUB	150 ft.lb.	19/32	2.24"	100	29
ESU550	5/8-11 x 4	Stalgard SUB	150 ft.lb.	19/32	3.24"	50	18
ESU560	5/8-11 x 5	Stalgard SUB	150 ft.lb.	19/32	4.24"	50	22

Tap-Flex™ Performance Data

Shear (ultimate lbs)

Diameter	1/8	3/16	1/4	3/8
6063 T5 Aluminum				
3/8	2321	3476	4979	
1/2	2784	3669	5230	
5/8	2696	3775	5455	
6061 T6 Aluminum				
3/8	3560	5205	6885	
1/2	4482	6167	8718	
5/8	4216	6768	9292	
6063 T5 on 1018 Steel				
3/8	5015	6560	6975	6965
1/2	4773	6455	8396	8689
5/8	4558	6196	8290	8060
6061 T6 on 1018 Steel				
3/8	5711	8701	7721	7611
1/2	6052	9769	13976	13340
5/8	5967	9577	13124	15309

Pull-Out (ultimate lbs)

Diameter	1/8	3/16	1/4	3/8
6063 T5 Aluminum				
3/8	1311	2365	3281	
1/2	1431	2230	3694	
5/8	1755	2907	4191	
6061 T6 Aluminum				
3/8	2080	3805	5981	
1/2	2190	3869	7527	
5/8	2641	5202	8210	
1018 Steel				
3/8	3501	5986	11440	11862
1/2	3668	7411	13613	20440
5/8	4500	8300	16678	26680

Identification



E-Form® Profile





Alumi-Flex™ 302 (18-8) Stainless Steel Drill Screws

For fastening to aluminum when corrosion and galvanic reaction are a primary concern

Stainless steel drill screws provide strength and corrosion resistance in a variety of aluminum applications.

Specifications

- Diameters: #10 to 1/4"
- Lengths: 1/2" to 1-1/2"
- Head Style: Hex washer
- Drive System: Hex
- Point Types: #3 and #4
- Material: 302 stainless steel
- Finish: Stalgard® GB (Galvanic Barrier) coating

Features & Benefits

- Provides a very high level of corrosion resistance
- Coating allows greater galvanic compatibility in dissimilar metal applications involving aluminum
- Head marked with a "3" for easy identification

Cat #	Description	Finish	Ctn Qty	Ctn Wt
#10 Diameter Hex Washer Head				
EAH430-I	10-16 x 1/2"	Stalgard GB	8,000	41
EAH445-I	10-16 x 3/4"	Stalgard GB	6,000	39
EAH460-I	10-16 x 1"	Stalgard GB	5,000	45
#10 Diameter, Undercut Flat Head				
EBM160-I	10-16 x 3/4"	Stalgard GB	10,000	44
#12 Diameter Hex Washer Head				
EAH630-I	12-14 x 3/4"	Stalgard GB	5,000	40
EAH650-I	12-14 x 1"	Stalgard GB	5,000	50
EAH680-I	12-14 x 1-1/2"	Stalgard GB	3,000	44
1/4" Diameter Hex Washer Head				
EAH800-I	1/4-14 x 3/4"	Stalgard GB	3,500	51
EAH820-I	1/4-14 x 1"	Stalgard GB	3,000	48
EAH835-I	1/4-14 x 1-1/2"	Stalgard GB	2,000	41
EAH870-I	1/4-20 x 1"	Stalgard GB	2,000	35
EAH880-I	1/4-20 x 1-1/2"	Stalgard GB	2,000	42
1/4" Diameter, Undercut Flat Head				
EBM260-I	1/4-14 x 1"	Stalgard GB	4,500	42

Note: For aluminum applications ONLY.

Alumi-Flex™ Performance Data

Tensile Strength (Mechanical Characteristics)

Size	Pt.	Peak Load (Lbs. of Force)		PSI	
		Yield (Fy)	Ultimate (Fu)	Yield (Fy)	Ultimate (Fu)
#10-16	3	1,766	1,778	93,937	94,580
#12-14	3	2,300	2,320	93,268	94,061
1/4-14	3	3,180	3,197	97,888	98,433
1/4-20	4	3,225	3,266	101,438	102,709

Shear (Lbs. of Force)

Lapped 6061 T6 Aluminum Strips

Size	Pt.	.060"	.090"	.125"	.187"	.250"	.312"	Ult. Shear Strength of Fastener
#10-16	3	834	1,275	1,306	–	–	–	1,152
#12-14	3	668	1,611	1,692	1,744	–	–	1,545
1/4-14	3	769	1,963	2,255	2,275	–	–	2,122
1/4-20	4	–	1,794	2,163	2,176	2,244	2,244	2,139

Elco test #1002278 Date: 8/21/2013

Pull-Out (Lbs. of Force)

6061 T6 Aluminum

Size	Pt.	.060"	.090"	.125"	.187"	.250"	.312"
#10-16	3	341	849	1,460	–	–	–
#12-14	3	347	859	1,533	2360*2	–	–
1/4-14	3	386	955	1,657	3205*1	3227*2	–
1/4-20	–	–	1,208	1,846	3291*2	3289*2	3299*2

Mode of Failure Key

Unless noted, the MOF was Material Failure in all test samples

*1: 3 Test samples had material failure and seven samples had fastener failure

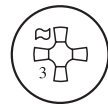
*2: Fastener failure in all test samples

Identification

The head marking consists of the number "3" below the Elco® logo.



Hex Washer Head



Flat Head



COLA
(City of Los Angeles)
Report #25886

Bi-Flex™ 300 Series Stainless Steel Bi-Metal Self-Drilling Screws

Bi-metal technology provides outstanding corrosion resistance and long service life

Bi-Flex™ fasteners provide the corrosion resistance of 300 series stainless steel and the efficiency of drill screws.

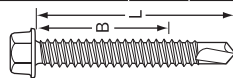
Specifications

- Diameters: #10 to 1/4"
- Lengths: 3/4" to 8"
- Drive Systems: Hex and phillips
- Material: Hardened steel tapping threads and point fused onto an 18-8 stainless steel shank and head
- Finish: Stalgard® GB (Galvanic Barrier) coating

Features & Benefits

- High strength, ductility and reliability
- Virtually immune to delayed embrittlement failures
- Greater galvanic compatibility in dissimilar metal applications involving aluminum
- High in-place value over the life of application

Cat #	Dia. TPI	L Length	Drive System	Point Size	B Maximum Load-bearing Length*	Pcs per 1/4 Keg	Wt per 1/4 Keg
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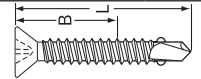


Hex Washer Head

EAJ100	8-18	3/4"	5/16" hex	2	0.32"	5,000	23
EAJ102	8-18	1"	5/16" hex	2	0.50"	5,000	27
EAJ110	10-16	3/4"	5/16" hex	2	0.32"	5,000	32
EAJ120	10-16	1"	5/16" hex	2	0.50"	5,000	46
EAJ140	10-16	1-1/2"	5/16" hex	2	1.10"	2,500	39
EAJ185	12-14	1"	5/16" hex	2	0.50"	3,000	31
EAJ215	12-14	1-1/2"	5/16" hex	2	1.00"	2,500	34
EAJ190	12-14	1"	5/16" hex	3	0.50"	4,000	41
EAJ200	12-14	1-1/4"	5/16" hex	3	0.750"	3,000	36
EAJ220	12-14	1-1/2"	5/16" hex	3	1.00"	2,500	34
EAJ260	12-14	2-1/2"	5/16" hex	3	2.00"	1,000	21
EAJ240	12-14	2"	5/16" hex	2	1.50"	1,500	26
EAJ320	12-24	1-1/2"	5/16" hex	5	0.60"	2,500	40
EAJ340	12-24	2"	5/16" hex	5	1.10"	2,000	35
EAJ415	1/4-14	1"	3/8" hex	2	0.50"	2,500	40
EAJ430	1/4-14	1-1/2"	3/8" hex	2	1.00"	1,000	30
EAJ445	1/4-14	2"	3/8" hex	2	1.50"	1,500	25
EAJ540	1/4-20	1"	3/8" hex	3	0.50"	2,500	40

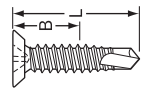
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Cat #	Dia. TPI	L Length	Drive System	Point Size	B Maximum Load-bearing Length*	Pcs per 1/4 Keg	Wt per 1/4 Keg
EAJ580	1/4-20	1-1/2"	3/8" hex	3	1.00"	1,000	32
EAJ600	1/4-20	1-1/2"	3/8" hex	5	0.60"	1,000	32
EAJ610	1/4-20	2"	3/8" hex	3	1.50"	1,500	38
EAJ615	1/4-20	2"	3/8" hex	5	1.10"	1,500	38
EAJ640	1/4-20	2-1/2"	3/8" hex	3	2.00"	1,000	32
EAJ650	1/4-20	3"	3/8" hex	3	2.50"	500	18
EAJ630	1/4-20	3"	3/8" hex	5	2.10"	500	18
EAJ660	1/4-20	4"	3/8" hex	3	3.50"	500	22
EAJ670	1/4-20	4"	3/8" hex	5	3.10"	500	23
EAJ675	1/4-20	5"	3/8" hex	5	4.10"	250	16
EAJ680	1/4-20	6"	3/8" hex	5	5.10"	250	18
EAJ690C	1/4-20	8"	3/8" hex	5	7.10"	150	15



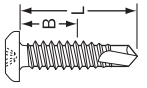
Flat Head Reamers w/wings

EBN140	10-16	1-1/2"	#2 phillips	3	0.800"	3,500	30
EBN345	12-24	2-13/16"	#3 phillips	5	1.710"	1,000	21
EBN645	1/4-20	2-13/16"	#3 phillips	5	1.710"	1,000	28



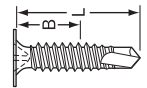
Flat Head Undercut

EBN200	12-14	1"	#3 phillips	2	0.500"	4,000	31
EBN220	12-14	1-1/4"	#3 phillips	2	.7500"	3,000	29
EBN240	12-14	1-1/2"	#3 phillips	2	1.00"	2,500	29
EBN630	1/4-20	3"	#3 phillips	2	2.500"	500	18
EBN640	1/4-20	4"	#3 phillips	2	3.500"	500	22



Pan Head

EAX100	8-18	3/4"	#2 phillips	2	0.320"	5,000	22
EAX102	8-18	1"	#2 phillips	2	0.500"	5,000	27
EAX110	10-16	3/4"	#2 phillips	2	0.320"	5,000	30
EAX120	10-16	1"	#2 phillips	2	0.500"	5,000	37



Pancake Head

EBN300	10-16	1"	#2 phillips	2	0.500"	4,000	29
EBN320	12-14	1"	#2 phillips	3	0.500"	4,000	40

* The load-bearing length is the length of 300 series stainless under the hex, pan or pancake head or including the flat head. Hardened steel length (lead threads and point) should be through the connection and not in the load bearing section of the connection.

Identification

The head marking consists of the number "3" above the Elco® logo as shown to the left.



Flat, Pan and Pancake Head



Bi-Flex™ Bi-Metal Self-Drilling Screws Technical Information

Pull-Out Values

Screw Size	Pt.	Drill Capacity (in.)	Pull-Out (Lbs)										
			Steel RB60-75 50 – 66KSI						Aluminum 6063-T5 22KSI				
			18 ga.	16 ga.	14 ga.	12 ga.	1/8"	3/16"	1/4"	1/8"	1/4"		
8-18	#2	0.100	499	558	875	1425							
10-16	#2	0.110	595	633	943	1433	–	–	–	994	–		
10-16	#3	0.187	–	616	684	1242	1605	1527	–	961	–		
12-14	#2	0.110	528	750	892	1536	–	–	–	1132	–		
12-14	#3	0.230	417	679	802	1371	2028	2499	–	974	–		
12-24	#5	0.500	–	–	–	–	–	2110	2781	538	1995		
1/4-14	#2	0.110	619	885	1082	1830	2943	–	–	1310	–		
1/4-20	#3	0.230	–	680	780	1442	2623	3684	4069	1037	–		
1/4-20	#5	0.500	–	–	–	–	–	–	2622	–	1724		

Ultimate Strengths**

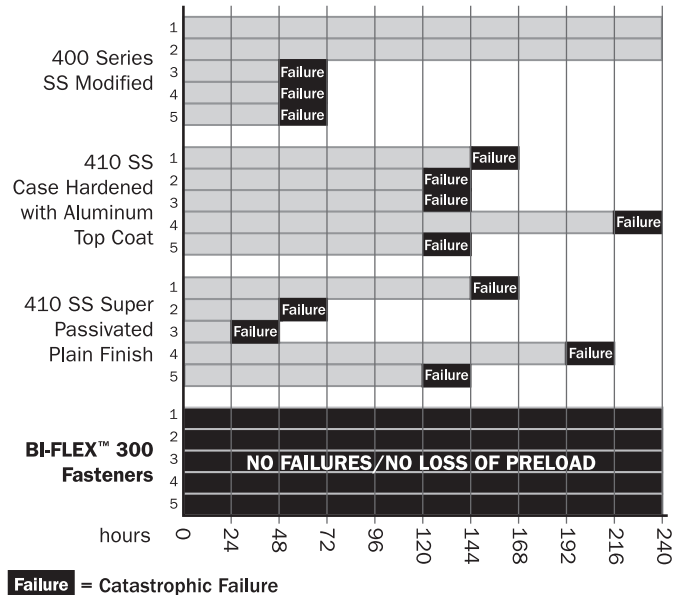
Size	Tensile (Lbs)	Shear Average Lbs Ultimate
10-16	1847	1282
12-14	2628	1950
12-24	2734	2284
1/4-14	3459	2676
1/4-20	4124	2860

** Values are for 300 series stainless fastener threaded shank

Susceptibility To Embrittlement Failures

In head to head testing, Bi-Flex™ 300 fasteners and three different types of 400 series martensitic stainless, self-drilling screws were installed in identical test coupons of unplated steel and aluminum. They were then subjected to a mildly corrosive environment of 5% neutral salt spray testing per ASTM B117. At the start of the test all samples were torqued (pre-loaded) to 75 in lbs. Every 24 hours the samples were inspected for torque value and retorqued to 75 in lbs.

The parts were evaluated by scanning electron microscope (S.E.M.) to determine the type of fracture that had occurred. The three 400 series fasteners showed an intergranular type failure, indicative of fracturing that occurs from hydrogen assisted stress corrosion cracking. **No failures or loss of preload occurred with the Bi-Flex fasteners.**



Failure = Catastrophic Failure

All fasteners were placed through a clear hole in 6061 T6 aluminum with a thickness of 0.125" and drilled into an unplated steel strip measuring a thickness of 0.125". A strip of 0.060" aluminum was placed in between the 0.125" aluminum and steel strip on one side, to simulate a fastener placed under load.

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.



Fab-Lok® Fasteners

To maintain panel integrity in high-stress and high-vibration environments

Vibration, either from inside or outside a building, can make ordinary fasteners loosen and back out. Fab-Lok fasteners combine a slotted aluminum sleeve and fastener to provide high resistance to vibration loosening. Excellent for use with insulated panels.

Specifications

- Drive System: Hex
- Materials: Low carbon steel or 300 series stainless steel screw with aluminum sleeve
- Finish: Zinc

Features & Benefits

- Hex washer head machine screw assembled to a slotted aluminum sleeve and EPDM sealing washer
- After tightening, clamping tines remain in place even if screw is removed
- Greater joint integrity with clamping force

Cat #	Description	Penetrating Length	Grip Range	Ctn Qty	Ctn Wt
Carbon Steel					
EZJ100	FAS-10-4	1.373"	.062" – .250"	1,000	22
EZJ120	FAS-10-8	1.612"	.250" – .500"	1,000	23
EZJ140	FAS-10-12	1.807"	.500" – .750"	1,000	27
H3 (300 Series) Stainless Steel					
EZJ210	FAC-10-4	1.373"	.062" – .250"	1,000	21
EZJ230	FAC-10-8	1.612"	.250" – .500"	1,000	25
EZJ250	FAC-10-12	1.807"	.500" – .750"	1,000	27

Fab-Lok Drive Tools*

EZJ900	Holding Sleeve with Socket	1
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*Fab-Lok fastener is inserted into a 5/16" hole (hole size is not critical) then installed with a power driver equipped with a Fab-Lok holding sleeve, with a socket designed to fit DeWALT® tools DCF622, DW267, DW268 and DW269. Max. 1000 RPM during installation.

Fab-Lok® Performance Data

Pull-Out (lbs)

Cat #	Recommended Grip Range	Steel Thickness	Ultimate Tension Load (lbs.)	Allowable Tension Load (lbs.)
Single Sheet				
EZJ100	.062" & .250"	14 ga.	1100	360
		20 ga.	600	200
		26 ga.	600	200
EZJ120	.250" through .500"	14 ga.	1000	330
		20 ga.	800	260
		26 ga.	600	200
EZJ140	.500" & .750"	14 ga.	1100	360
		20 ga.	800	260
		26 ga.	400	130

Double Sheet

EZJ120	.250"	20 ga.	950	300
EZJ140	.500"	20 ga.	920	300

1. Allowable load capacities listed are calculated using and applied safety factor of 3.0.

Ultimate Shear (lbs)

Carbon Steel Screw	Stainless Steel Screw
2159	1950

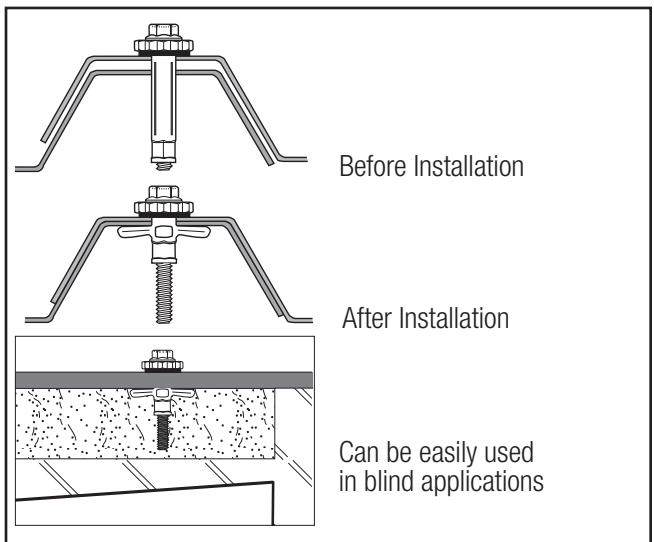
Identification



Carbon Steel Screw:
Elco Flag



Stainless Steel Screw:
"F" Above "2"





MADE IN THE
USA
WITH GLOBAL MATERIALS

Miami-Dade NOA
Notice of Acceptance
No. 16-0216.04

UltraCon® Masonry Fastening System

Offers optimal performance in concrete, brick and hollow block applications

UltraCon anchors are available in a variety of styles to meet your needs.

Boxed Anchors 100 anchors & 1 tanged drill bit per box; 6 boxes per ctn.

Cat #	Size	Drive System	Qty / Shipper	Wt / Shipper
Blue Stalgard				

Slotted Hex Washer Head

Part #	Size	Drive System	Qty / Shipper	Wt / Shipper
ELE300-100	3/16 x 1-1/4"	5/16 hex with slot	600	5
ELE310-100	3/16 x 1-3/4"	5/16 hex with slot	600	7
ELE320-100	3/16 x 2-1/4"	5/16 hex with slot	600	8
ELE330-100	3/16 x 2-3/4"	5/16 hex with slot	600	10
ELE340-100	3/16 x 3-1/4"	5/16 hex with slot	600	11
ELE350-100	3/16 x 3-3/4"	5/16 hex with slot	600	13
ELE360-100	3/16 x 4"	5/16 hex with slot	600	13
ELE405-100	1/4 x 1-1/4"	5/16 hex with slot	600	9
ELE415-100	1/4 x 1-3/4"	5/16 hex with slot	600	12
ELE425-100	1/4 x 2-1/4"	5/16 hex with slot	600	14
ELE435-100	1/4 x 2-3/4"	5/16 hex with slot	600	16
ELE445-100	1/4 x 3-1/4"	5/16 hex with slot	600	19
ELE455-100	1/4 x 3-3/4"	5/16 hex with slot	600	21
ELE465-100	1/4 x 4"	5/16 hex with slot	600	22
ELE475-100	1/4 x 5"	5/16 hex with slot	100	5
ELE485-100	1/4 x 6"	5/16 hex with slot	100	6

Phillips Flat Head

Part #	Size	Drive System	Qty / Shipper	Wt / Shipper
ELF305-100	3/16 x 1-1/4"	#2 phillips	600	4
ELF315-100	3/16 x 1-3/4"	#2 phillips	600	6
ELF325-100	3/16 x 2-1/4"	#2 phillips	600	7
ELF335-100	3/16 x 2-3/4"	#2 phillips	600	9
ELF345-100	3/16 x 3-1/4"	#2 phillips	600	10
ELF355-100	3/16 x 3-3/4"	#2 phillips	600	12
ELF365-100	3/16 x 4"	#2 phillips	600	13
ELF400-100	1/4 x 1-1/4"	#3 phillips	600	8
ELF410-100	1/4 x 1-3/4"	#3 phillips	600	10
ELF420-100	1/4 x 2-1/4"	#3 phillips	600	12
ELF430-100	1/4 x 2-3/4"	#3 phillips	600	14
ELF440-100	1/4 x 3-1/4"	#3 phillips	600	16
ELF450-100	1/4 x 3-3/4"	#3 phillips	600	18
ELF460-100	1/4 x 4"	#3 phillips	600	19
ELF470-100	1/4 x 5"	#3 phillips	100	4
ELF480-100	1/4 x 6"	#3 phillips	100	5

Bulk Anchors

Cat #			Size	Drive Size	Qty / Case	Wt / Case
Silver Stalgard	White Stalgard	Bronze Stalgard				

Slotted Hex Washer Head

ELG341	ELD195	-	1/4 x 1-3/4"	5/16 hex with slot	2,000	38
ELG371	ELD205	-	1/4 x 2-1/4"	5/16 hex with slot	1,500	34
ELG401	ELD215	-	1/4 x 2-3/4"	5/16 hex with slot	1,000	27
ELG431	ELD225	-	1/4 x 3-1/4"	5/16 hex with slot	1,000	31
-	ELD235	-	1/4 x 3-3/4"	5/16 hex with slot	500	16
-	ELD255	-	1/4 x 5"	5/16 hex with slot	500	22
-	ELD265	-	1/4 x 6"	5/16 hex with slot	500	26

Phillips Flat Head

ELG521	ELD320	-	3/16 x 1-1/4"	#2 phillips	5,000	35
ELG551	ELD330	-	3/16 x 1-3/4"	#2 phillips	3,000	28
ELG581	ELD340	-	3/16 x 2-1/4"	#2 phillips	2,500	29
ELG611	ELD350	-	3/16 x 2-3/4"	#2 phillips	1,500	21
ELG641	ELD360	-	3/16 x 3-1/4"	#2 phillips	1,000	16
ELG671	ELD370	-	3/16 x 3-3/4"	#2 phillips	1,000	19
-	ELD380	-	3/16 x 4"	#2 phillips	1,000	12
ELG941	-	-	5/16 x 2-1/4"	#3 phillips	1,000	34
ELG948	-	-	5/16 x 2-3/4"	#3 phillips	1,000	41
ELG960	-	-	5/16 x 3-1/4"	#3 phillips	500	24
ELG979	-	-	5/16 x 4"	#3 phillips	500	29
ELG992	-	-	5/16 x 5"	#3 phillips	500	16
ELG998	-	-	5/16 x 6"	#3 phillips	500	21

Phillips Oversized Flat Head - Door Frame Anchor

ELG203-050			5/16 x 3"	#3 phillips	250	22
ELG204-050			5/16 x 4"	#3 phillips	250	29
ELG205-050			5/16 x 5"	#3 phillips	250	16
ELG206-050			5/16 x 6"	#3 phillips	250	21

Hex Flange Head (5/8" O.D.)

ELC145	ELD275	-	1/4 x 1-3/4"	5/16 hex	1,500	36
ELC151	ELD285	-	1/4 x 2-1/4"	5/16 hex	1,000	28
ELC160	ELD295	-	1/4 x 2-3/4"	5/16 hex	1,000	32
ELC170	ELD305	-	1/4 x 3-1/4"	5/16 hex	500	18

Hex Head with Oversized Washer (.540" O.D.)

ELG481	-	-	5/16 x 1-3/4"	5/16 hex	1,000	30
ELG486	-	-	5/16 x 2-1/4"	5/16 hex	1,000	37
ELG491	-	-	5/16 x 2-3/4"	5/16 hex	800	22
ELG496	-	-	5/16 x 3-1/4"	5/16 hex	500	25
ELG501	-	-	5/16 x 3-3/4"	5/16 hex	500	29
ELG506	-	-	5/16 x 4"	5/16 hex	500	30
ELG511	-	-	5/16 x 5"	5/16 hex	250	18
ELG516	-	-	5/16 x 6"	5/16 hex	250	22

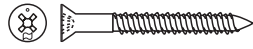
TrimFit® Hex Head (.415 nom. washer O.D.)

ELG482	-	-	5/16 x 1-3/4"	5/16 hex	1,500	44
ELG487	-	-	5/16 x 2-1/4"	5/16 hex	1,000	36
ELG492	-	-	5/16 x 2-3/4"	5/16 hex	1,000	43
ELG497	-	-	5/16 x 3-1/4"	5/16 hex	500	25
ELG502	-	-	5/16 x 3-3/4"	5/16 hex	500	28

Bulk Anchors

Cat #			Size	Drive Size	Qty / Case	Wt / Case
Silver Stalgard	White Stalgard	Bronze Stalgard				

TrimFit® Flat Head (.415" nom. O.D.)



Cat #	Size	Drive Size	Qty / Case	Wt / Case
-	-	ELG612	3/16 x 2-3/4"	#3 phillips 1,500 21
ELG771	ELD400	-	1/4 x 1-3/4"	#3 phillips 2,000 32
ELG801	ELD410-I	-	1/4 x 2-1/4"	#3 phillips 1,500 30
ELG831	ELD420-I	ELG832-I	1/4 x 2-3/4"	#3 phillips 1,000 24
ELG861	ELD430-I	ELG862-I	1/4 x 3-1/4"	#3 phillips 1,000 28
ELG891	ELD440	ELG892	1/4 x 3-3/4"	#3 phillips 500 16
ELG921	ELD450	-	1/4 x 4"	#3 phillips 500 17
ELG945	-	-	5/16 x 2-1/4"	#3 phillips 1,500 47
ELG955	-	-	5/16 x 2-3/4"	#3 phillips 1,000 38
ELG965	-	-	5/16 x 3-1/4"	#3 phillips 500 22
ELG972	-	-	5/16 x 3-3/4"	#3 phillips 500 26
ELG976	-	-	5/16 x 4"	#3 phillips 500 27
ELG991	-	-	5/16 x 5"	#3 phillips 250 17

-I following product catalog number indicates a globally sourced product.

Installation Tools

	Cat. No.	Description	Qty	Wt
	ELP100	1000 Tool Kit	5	4
Includes:				
	ELY100	Drill Adapter	1	-
	ELY110	Drive Sleeve Assembly	1	-
	ELY120	5/16" Hex Socket	1	-
	ELY125	1/4" Hex Drive Socket for 1/4" Anchor	1	-
	ELY130	1/4" Hex Socket for 3/16" Anchor	1	-
	ELY140	#2 Phillips Bit	1	-
	ELY150	#3 Phillips Bit	1	-
	ELY160	Phillips Bit Holder	1	-
	ELY210	Set Screw	1	-
	ELY220	1/8" Hex Key	1	-

also available:

	ELY170	8" Drive Sleeve Assembly for 5" and 6" UltraCon Anchors	1	
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Hex-collared SDS Carbide-tipped Drill Bits**

Cat #	Description	For Anchor Size	Qty / Shipper
ELT535-010	5/32 x 5 x 2	3/16"	10
ELT555-010	5/32 x 7 x 4	3/16"	10
ELT630-010	3/16 x 5 x 2	1/4"	10
ELT650-010	3/16 x 7 x 4	1/4"	10

**For use with with rotary hammer drills and 1000 installation tools. One drill bit per tube.



Carbide-Tipped Tanged Drill Bits*

Cat #	Description	For Anchor Size	Qty / Tube
ELT300-010	5/32 x 3-1/2	3/16"	10
ELT310-010	5/32 x 4-1/2	3/16"	10
ELT320-010	5/32 x 5-1/2	3/16"	10
ELT405-010	3/16 x 3-1/2	1/4"	10
ELT415-010	3/16 x 4-1/2	1/4"	10
ELT425-010	3/16 x 5-1/2	1/4"	10

1-800-435-7213

Cat No.	Description	For Anchor Size	Qty /Tube
ELT435-010	3/16 x 6-1/2	1/4"	10
ELT445-010	3/16 x 7-1/2	1/4"	10
ELT460-005	1/4 x 4-1/2	5/16"	5
ELT465-005	1/4 x 5-1/2	5/16"	5
ELT475-005	1/4 x 7-1/2	5/16"	5

* For use with hammer drill guns. 5/32 and 3/16" sold in tubes containing 10 bits each; 1/4" bits sold in tubes containing 5 bits each.

UltraCon® Performance Data

	Dia.	Depth of Embed.	Edge Distance	Pull-out	Shear
Hollow Block - 1,924 PSI	3/16"	1-1/4"	1"	421	546
			2-1/2"	427	575
	1/4"	1-1/4"	1"	998	900
			2-1/2"	709	1,486
Hollow Block - 1,872 PSI	5/16"	1-1/4"	1- 9/16"	1,049	708
			3-1/8"	1,149	1,454
	3/16"	1"	1"	422	692
			1-3/8"	884	782
1-3/4"			1,096	856	
2-1/2"		1"	444	639	
		1-3/8"	750	866	
		1-3/4"	1,271	781	
1/4"	1"	1"	668	632	
		1-3/8"	1,166	1,070	
		1-3/4"	1,857	919	
	2-1/2"	1"	809	1,153	
		1-3/8"	1,507	1,583	
		1-3/4"	1,908	1,780	
Concrete- 3,513 PSI	5/16"	1-1/4"	1"	737	
			1-3/4"	2,105	
		2-3/16"	1"	836	
	1-3/4"		2,413		
	1"		851		
	3-1/8"	1-3/4"	2,643		
2"		3,347			
Wood SYP - Specific Gravity .55		5/16"	5d	1"	1,423
	1-1/2"			2,471	1,617
	2"			2,912	2,367
	10d	-	-	-	-
		1"	1,454	1,188	
		1-1/2"	2,472	1,677	
2"	3,233	2,407			

NOTE: Indicated pull-out and shear failure values were obtained in tests witnessed by independent test labs (see below). These figures are offered only as a guide and are not guaranteed in any way by Elco Construction Products.

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.

Concrete		Block		Wood	
UltraCon Dia.	Test report no.*	UltraCon Dia.	Test report no.*	UltraCon Dia.	Test report no.*
3/16"	HETI 03-1127	3/16"	HETI 05-1501	3/16"	-
1/4"	HETI 03-1136	1/4"	HETI 03-1159	1/4"	-
5/16"	HETI 01-5013	5/16"	HETI 01-5069	5/16"	HETI 01-5063

* Testing by Hurricane Engineering & Testing, Inc. (HETI). Additional testing has been done in other materials and conditions and is available upon request.

Identification

Fastener Dia	Head Style	Head Mark	
all sizes	hex washer, flat hex flange, oversized washer	Elco logo only	
1/4"	TrimFit® flat	Elco logo & 1 dot opposite of logo	
5/16"	TrimFit flat	Elco logo & 2 dots opposite of logo	



Miami-Dade NOA
Notice of Acceptance
No. 15-0226.11

UltraCon® SS4 Masonry Fastening System

410 stainless steel fasteners for concrete, brick and hollow block applications

UltraCon SS4 stainless steel masonry fasteners provide enhanced corrosion resistance and ductility over carbon steel fasteners.

Specifications

- Diameter: 1/4"
- Lengths: 1-1/4" to 4"
- Head style: Hex washer head and TrimFit® flat
- Material: 410 stainless steel
- Finish: Silver Stalgard® coating

Features and Benefits

- Special heat treatment to protect inherent corrosion resistance of the 410 stainless steel material
- Stalgard coating provides 1600 hours of salt spray protection
- Installs with standard 3/16" masonry drill bit

Packaged Anchors

Cat #	Size	Drive Size	Qty /Shipper	Wt / Shipper
Hex Washer Head				
EUH310-100	1/4 x 1-1/4"	5/16 hex washer	600	10.2
EUH315-100	1/4 x 1-3/4"	5/16 hex washer	600	12
EUH325-100	1/4 x 2-1/4"	5/16 hex washer	600	14
EUH335-100	1/4 x 2-3/4"	5/16 hex washer	600	16
EUH345-100	1/4 x 3-1/4"	5/16 hex washer	600	19
EUH355-100	1/4 x 3-3/4"	5/16 hex washer	600	21
EUH365-100	1/4 x 4"	5/16 hex washer	600	22
Phillips TrimFit Flat Head				
EUF310-100	1/4 x 1-1/4"	#2 phillips	600	9
EUF315-100	1/4 x 1-3/4"	#2 phillips	600	10
EUF325-100	1/4 x 2-1/4"	#2 phillips	600	12
EUF335-100	1/4 x 2-3/4"	#2 phillips	600	14
EUF345-100	1/4 x 3-1/4"	#2 phillips	600	16
EUF355-100	1/4 x 3-3/4"	#2 phillips	600	18
EUF365-100	1/4 x 4"	#2 phillips	600	20

Bulk Anchors

Cat #	Size	Drive Size	Qty /Shipper	Wt / Shipper
Hex Washer Head				
EUH310	1/4 x 1-1/4"	5/16 hex washer	3000	51
EUH315	1/4 x 1-3/4"	5/16 hex washer	2000	38
EUH325	1/4 x 2-1/4"	5/16 hex washer	1500	34
EUH335	1/4 x 2-3/4"	5/16 hex washer	1000	27
EUH345	1/4 x 3-1/4"	5/16 hex washer	1000	31
EUH355	1/4 x 3-3/4"	5/16 hex washer	500	16
EUH365	1/4 x 4"	5/16 hex washer	500	17
Phillips TrimFit FlatHead				
EUF310	1/4 x 1-1/4"	#2 phillips	3000	45
EUF315	1/4 x 1-3/4"	#2 phillips	2000	32
EUF325	1/4 x 2-1/4"	#2 phillips	1500	30
EUF335	1/4 x 2-3/4"	#2 phillips	1000	24
EUF345	1/4 x 3-1/4"	#2 phillips	1000	28
EUF355	1/4 x 3-3/4"	#2 phillips	500	16
EUF365	1/4 x 4"	#2 phillips	500	17



MADE IN THE
USA
WITH GLOBAL MATERIALS

Miami-Dade NOA
Notice of Acceptance
No. 15-0226.09

Crete-Flex® SS4 Masonry Fasteners

For masonry attachments requiring enhanced corrosion resistance

Crete-Flex® 410 stainless steel masonry fasteners provide high shear values, corrosion resistance and ductility for outstanding performance.

Specifications

- Diameters: #14 and 3/16"; Lengths: 1-1/4" to 6"
- Thread Style: 14-10 heavy-duty
- Head Styles: Hex washer, hex flange, flat and Trimfit® flat
- Drive Systems: Hex and phillips
- Material: 410 stainless steel
- Finish: Silver Stalgard® coating

Features & Benefits

- Special heat treatment to protect inherent corrosion resistance of the 410 stainless steel material
- Stalgard coating provides 1600 hours of salt spray resistance
- Larger .201 root diameter provides exceptionally high shear values

Cat #	Length	Drive System	Drill Bit Size	Qty /Shipper	Wt / Shipper
#14 Diameter, Hex Washer Head (.425" washer O.D)					
EMF310-100	1-1/4"	5/16" hex	7/32 x 4-1/2"	500	9
EMF330-100	1-3/4"	5/16" hex	7/32 x 4-1/2"	500	11
EMF350-100	2-1/4"	5/16" hex	7/32 x 4-1/2"	500	14
EMF370-100	2-3/4"	5/16" hex	7/32 x 4-1/2"	500	16
EMF390-100	3-1/4"	5/16" hex	7/32 x 5-1/2"	500	21
EMF410-100	3-3/4"	5/16" hex	7/32 x 5-1/2"	500	22
EMF430-100	4"	5/16" hex	7/32 x 5-1/2"	500	23
EMF450-100	5"	5/16" hex	7/32 x 7-1/2"	100	6
EMF470-100	6"	5/16" hex	7/32 x 7-1/2"	100	7

Cat #	Length	Drive System	Drill Bit Size	Qty /Shipper	Wt / Shipper
#14 Diameter, Phillips Flat Head					
EMF690-100	1-1/4"	#3 phillips	7/32 x 4-1/2"	500	8
EMF710-100	1-3/4"	#3 phillips	7/32 x 4-1/2"	500	10
EMF730-100	2-1/4"	#3 phillips	7/32 x 4-1/2"	500	13
EMF750-100	2-3/4"	#3 phillips	7/32 x 4-1/2"	500	14
EMF770-100	3-1/4"	#3 phillips	7/32 x 5-1/2"	500	19
EMF790-100	3-3/4"	#3 phillips	7/32 x 5-1/2"	500	21
EMF810-100	4"	#3 phillips	7/32 x 5-1/2"	500	22
EMF830-100	5"	#3 phillips	7/32 x 7-1/2"	100	6
EMF850-100	6"	#3 phillips	7/32 x 7-1/2"	100	7

Cat #	Length	Drive System	Drill Bit Size	Qty /Shipper	Wt / Shipper
#14 Diameter, Hex Flange Head (5/8" washer O.D.)					
EMF340-100	1-3/4"	5/16" hex	7/32 x 4-1/2"	500	13
EMF360-100	2-1/4"	5/16" hex	7/32 x 4-1/2"	500	16

Cat #	Length	Drive System	Drill Bit Size	Qty /Shipper	Wt / Shipper
3/16" Diameter, Phillips Flat Head					
EMF610-100	1-1/4"	#3 phillips	5/32 x 4-1/2"	500	4
EMF620-100	1-3/4"	#3 phillips	5/32 x 4-1/2"	500	6
EMF630-100	2-1/4"	#3 phillips	5/32 x 4-1/2"	500	7
EMF640-100	2-3/4"	#3 phillips	5/32 x 4-1/2"	500	9
EMF650-100	3-1/4"	#3 phillips	5/32 x 5-1/2"	500	10

Cat #	Length	Drive System	Drill Bit Size	Qty /Shipper	Wt / Shipper
#14 Diameter, TrimFit® Flat Head					
EMF510-100	1-3/4"	#3 phillips	7/32 x 4-1/2"	500	10
EMF530-100	2-1/4"	#3 phillips	7/32 x 4-1/2"	500	13
EMF550-100	2-3/4"	#3 phillips	7/32 x 4-1/2"	500	14

* O.D.; #14 = .268", 3/16" = .200"

Masonry Drill Bits

Cat #	Description	Max. Crete-Flex Anchor Length
EMC100	7/32 x 4-1/2" Tanged	2-3/4"
EMC110	7/32 x 5-1/2" Tanged	4"
EMC115	7/32 x 7-1/2" Tanged	6"
EMC120	7/32 x 5-1/2" Hex-shanked SDS	2-1/4"
EMC130	7/32 x 7" Hex-shanked SDS	4"
EMC140	7/32 x 6 x 8-1/4" SDS**	5"
EMC150	7/32 x 9 x 11" SDS**	6"

** EMC140 and EMC150 drill bits are NOT shanked

Identification

In-place inspection can be made by identifying the special Crete-Flex head marking. This marking consists of an Elco® logo and a "4" as shown. The 3/16" diameter is indicated by 2 slots on opposite sides of the drive.



Crete-Flex® SS4 Performance Data

Dia.	Test Load	Test	Edge Distance	Embedment	Ultimate Load Lbs.
Testing in Concrete Beam					
3/16"	2,732 PSI	Pull-Out	-	1	651
			-	1-1/4	873
			-	1-1/2	1,231
			-	1-3/4	1,397
	2,735 PSI	Shear	-	2	2,374
#14	3350 PSI	Pull-out	2.5"	1.00"	762
			2.5"	1.75"	2505
		Shear	2.5"	2.00"	2729
			2.5"	1.75"	2591

Dia.	Test Load	Test	Edge Distance	Embedment	Ultimate Load Lbs.
Testing in Concrete Block					
3/16"	2,676 PSI	Pull-out	-	1-1/4	839
		Shear	-	1-1/4	1,425
#14	2070 PSI	Pull-out	1.0"	1.25"	780
			2.5"	1.25"	1216
		Shear	1.0"	1.25"	424
			2.5"	1.25"	1324

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.



Miami-Dade NOA
Notice of Acceptance
No. 13-0924.02
High Velocity
Hurricane Zone

Aggre-Gator® 300 Series Stainless Bi-Metal Masonry Fasteners

The corrosion resistance of 300 series stainless steel in a threaded concrete anchor

Aggre-gator® anchors provide unmatched corrosion resistance in demanding applications, such as those in coastal or wet areas.

Specifications

- Diameter: 1/4"
- Lengths: 1-3/4" to 4"
- Heads: Hex washer and TrimFit® flat
- Material: 300 (18-8) stainless steel head and shank with fused and hardened steel tapping threads and gimlet point
- Finish: Silver-colored Stalgard® GB (Galvanic Barrier) coating

Features & Benefits

- High in-place value over life of structure
- High strength and ductility
- Offers greater galvanic compatibility in dissimilar metal applications involving aluminum
- Thread profile provides quick cutting and stability during installation
- Best choice for ACQ-treated lumber

Cat #	Length	Drive System	Qty / Shipper	Wt / Shipper
1/4 Diameter, Hex Washer Head				
EML315-050	1-3/4"	5/16" hex	300	6
EML325-050	2-1/4"	5/16" hex	300	7
EML335-050	2-3/4"	5/16" hex	300	8
EML345-050	3-1/4"	5/16" hex	300	11
EML365-050	4"	5/16" hex	300	12
1/4 Diameter, TrimFit Flat Head				
EMM310-050	1-3/4"	#3 phillips	300	6
EMM320-050	2-1/4"	#3 phillips	300	7
EMM330-050	2-3/4"	#3 phillips	300	8
EMM340-050	3-1/4"	#3 phillips	300	11
EMM360-050	4"	#3 phillips	300	12

NOTES: Installation tools available: see page 19. Use 3/16" masonry drill bit to install. 50 anchors per box, 6 boxes per shipper. See page 113.

Aggre-Gator® SS4 Performance Data

Substrate: 2220 PSI Concrete

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	1.25"	3.0"	1.000"	118
	2.50"	1.5"	1.000"	195
	1.25"	3.0"	1.375"	289
	2.50"	1.5"	1.375"	343
	1.25"	3.0"	1.750"	517
	2.50"	1.5"	1.750"	465

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	1.50"	3.0"	1.000"	204
	3.00"	1.5"	1.000"	259
	1.50"	3.0"	1.375"	259
	3.00"	1.5"	1.375"	413
	1.50"	3.0"	1.750"	318
	3.00"	1.5"	1.750"	488

Substrate: 3275 PSI Concrete

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	1.25"	3.0"	1.000"	248
	2.50"	1.5"	1.000"	263
	1.25"	3.0"	1.375"	389
	2.50"	1.5"	1.375"	251
	1.25"	3.0"	1.750"	295
	2.50"	1.5"	1.750"	319

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	1.50"	3.0"	1.000"	255
	3.00"	1.5"	1.000"	226
	1.50"	3.0"	1.375"	319
	3.00"	1.5"	1.375"	511
	1.50"	3.0"	1.750"	306
	3.00"	1.5"	1.750"	515

Substrate: 1x4 (3/4" Thick) Treated No. 2 SYP attached to 2220 PSI Concrete

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Shear (lbs)
1/4"	2.50"	3.0"	1.5"	200

Substrate: 2x4 (1-1/2" Thick) Treated No. 2 SYP attached to 2220 PSI Concrete

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Shear (lbs)
1/4"	2.50"	3.0"	1.75"	199

Substrate: Concrete Masonry Hollow Block

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	2.00"	3.0"	1.250"	195
	4.00"	3.0"	1.250"	221
Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Shear (lbs)
1/4"	2.00"	3.0"	1.250"	234
	4.00"	3.0"	1.250"	264

Aggre-Gator® SS4 Performance Data, Continued

Substrate: Grout-Filled Concrete Block

Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Tension (lbs)
1/4"	2.00"	3.0"	1.250"	208
	4.00"	1.5"	1.250"	186
	2.00"	3.0"	2.00"	407
	4.00"	1.5"	2.00"	504
Anchor Dia.	Min. Edge Dist.	Min. Spacing	Min. Embed.	Allowable Shear (lbs)
1/4"	2.00"	3.0"	1.250"	259
	4.00"	1.5"	1.250"	352
	2.00"	3.0"	2.00"	591
	4.00"	1.5"	2.00"	597

NOTES

- Edge distances denoted herein shall be measured from the center of the anchor to the edge of the substrate in the direction of, as well as perpendicular to, the direction of the load. Spacing between anchors denoted herein shall be measured center-to-center of anchors.
- Allowable loads suggested herein are only valid when both the minimum anchor center-to-center spacing and the minimum edge distances are complied with.
- Allowable loads suggested herein equal 25% of the average ultimate laboratory test values obtained during testing performed as part of the requirements to obtain this NOA. Final determination of the appropriate working/design loads to be used in a specific project are the sole responsibility of the engineer of record or the architect of record specifying the use of the product.
- No increase in allowable stress has been incorporated into the values provided in the tables contained herein.
- Anchors approved under this product approval document have not been tested for use under combined loading.
- The concrete substrate into which these anchors will be attached shall conform to ACI 301 specifications with strength properties as specified herein.
- The hollow and grout-filled concrete block substrate into which these anchors will be attached shall be medium weight or normal weight concrete block conforming to ASTM C-90.
- Combination wood and concrete substrate shall consist of 1 x 4 nominal (3/4" thick) treated No. 2 Southern Yellow Pine attached to concrete substrate conforming to ACI 301 specifications with strength properties as specified herein, or 2 x 4 nominal (1-1/2" thick) treated No. 2 Southern Yellow Pine attached to concrete substrate conforming to ACI 301 specifications with strength properties as specified herein.

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.

Aggre-Gator® SS4 Identification

The head markings consists of the number "3", the length code, and the Elco® logo as shown to the right.

TrimFit® Head



Hex Washer Head



Bi-Metal Technology Provides Unmatched Performance

300 series stainless steel head and shank



Fused and hardened steel tapping threads and gimlet point

- Head and shank made of 300 series (18-8) stainless steel alloy to provide unmatched corrosion resistance in your toughest applications
- Fused and hardened steel tapping threads make installation easy and hold tight in block and poured concrete
- Coated overall with silver-colored Stalgard GB, a galvanic barrier to protect aluminum components from accelerated corrosion when in contact with 300 series stainless steel



MADE IN THE
USA
WITH GLOBAL MATERIALS

ConFlex® Large Diameter Concrete Screw Anchors

Enhanced ductility allows use in demanding exterior applications

ConFlex® masonry screws are engineered to provide high pull-out and shear values with virtual immunity to brittle failures.

Specifications

- Diameters: Oversized 1/4", 3/8" and 1/2"
- Material: Alloy steel
- Head Style: Hex washer head with locking serrations, flat head, TrimFit
- Thread Style: Double-lead
- Tensile Yield: 92,000 KSI min. (Grade 5); Tensile Ultimate: 120,000 KSI min. (Grade 5)

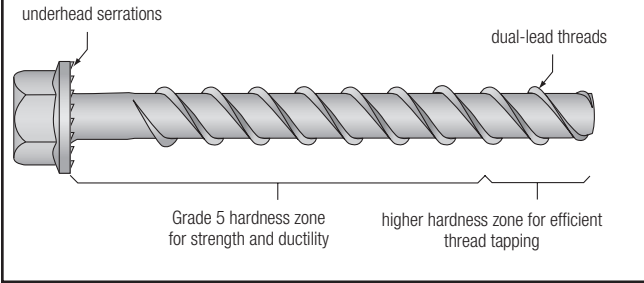
Features & Benefits

- Flex Technology® heat treat allows virtual immunity to brittle failures,
- Locking serrations under the head provide back-out resistance
- Hardened tip ensures efficient tapping into concrete
- Head markings allow easy inspection
- Install with standard ANSI bits

Cat #	Length	Thread Length	Drive Size	Drill Bit Size	Box Qty*	Box Wt
3/8" Diameter, Hex Washer Head with Locking Serrations - Stalgard® SUB						
EMR215-050	2-1/2"	2-1/4"	9/16" hex	3/8"	50	5
EMR235-050	3"	2-1/4"	9/16" hex	3/8"	50	6
EMR255-050	4"	3-1/2"	9/16" hex	3/8"	50	7
EMR265-025	5"	3-1/2"	9/16" hex	3/8"	25	4
EMR285-025	7-1/2"	3-1/2"	9/16" hex	3/8"	25	6
1/2" Diameter, Hex Washer Head with Locking Serrations - Stalgard® SUB						
EMR320-050	2-1/2"	2-1/4"	3/4" hex	7/16"	50	8
EMR340-050	3"	2-1/4"	3/4" hex	7/16"	50	9
EMR360-050	4"	3-1/2"	3/4" hex	7/16"	50	11
EMR370-025	5"	3-1/2"	3/4" hex	7/16"	25	7
EMR380-025	6"	3-1/2"	3/4" hex	7/16"	25	7

* Note: Also available in bulk quantities.

ConFlex® Features



Dimensional Properties

3/8" Diameter	1/2" Diameter
Drive system: 9/16" hex	Drive system: 3/4" hex
Washer diameter: 11/16"	Washer diameter: 1.0"
Thread O.D.: .430"	Thread O.D.: .525"
Thread root: .345"	Thread root: .405"
Unthreaded shank dia.: .360"	Unthreaded shank dia.: .426"
Head mark: Elco logo mark and length in inches	Head mark: Elco logo mark and length in inches

ConFlex® Identification

The head marking consists of an Elco® logo and the fastener length in inches.



ConFlex® Performance Data†

Ultimate Value in Concrete (Lbs)

Diameter	Edge Distance	Embedment	Pull-out	Shear
1,819 PSI				
3/8"	1-7/8" (5d)	1-1/2"	1,364	x
		2"	2,995	x
		2-1/2"	3,226	1,534
		3-1/2"	5,379	2,170
	2-5/8"	1-1/2"	x	x
		2"	x	x
		2-1/2"	3,620	2,459
		3-1/2"	6,070	3,902
	3-3/4" (10d)	1-1/2"	1,232	4,766
		2"	3,296	5,658
		2-1/2"	3,936	6,419
		3-1/2"	6,493	7,047
1/2"	2"	1-3/4"	x	x
		2"	x	x
		3"	x	x
		4"	x	x
	2-1/2" (5d)	1-3/4"	2,266	x
		2"	2,706	x
		3"	4,666	4,549
		4"	7,058	6,960
	3-1/2"	1-3/4"	x	x
		2"	x	x
		3"	5,483	5,739
		4"	8,656	8,028
	4"	1-3/4"	x	x
		2"	x	x
		3"	x	x
		4"	x	x
	5" (10d)	1-3/4"	2,090	6,081
		2"	2,875	7,167
		3"	6,042	9,148
		4"	8,732	9,631

Diameter	Edge Distance	Embedment	Pull-out	Shear
4,510 PSI				
3/8"	1-7/8" (5d)	1-1/2"	2,497	x
		2"	3,169	x
		2-1/2"	5,063	2,111
		3-1/2"	9,288	2,732
	2-5/8"	1-1/2"		
		2"		
		2-1/2"	5,111	2,667
		3-1/2"	8,438	4,046
	3-1/2"	1-1/2"	2,055	x
		2"	x	5,810
		2-1/2"	4,778	x
		3-1/2"	x	x
3-3/4" (10d)	1-1/2"	2,055	3,414	
	2"	x	5,810	
	2-1/2"	5,111	7,309	
	3-1/2"	9,508	8,339	
1/2"	2"	1-3/4"	3,515	x
		2"	4,388	x
		3"	6,719	2,229
		4"	11,076	3,860
	3" (6d)	1-3/4"	x	x
		2"	x	x
		3"	x	x
		4"	x	x
	3-1/2"	1-3/4"	x	x
		2"	x	x
		3"	7,646	x
		4"	10,234	x
	4"	1-3/4"	2,887	6,787
		2"	4,310	6,678
		3"	8,169	8,489
		4"	11,111	10,942
	5" (10d)	1-3/4"	x	x
		2"	x	x
		3"	x	x
		4"	x	x

† NOTE: Indicated pull-out and shear values listed are ultimate values and were obtained in tests conducted by HETI/ Miami, FL, an independent test lab. These figures are offered only as a guide and are not guaranteed in any way by Elco Construction Products. A safety factor of 4:1 or 25% of ultimate values are generally accepted as a safe working load.

Testing was done per ASTM E 488 - 96. Additional technical information is available upon request.

NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document.

Recommended minimum embedment:

All diameters: 2"

Installation of 3/8" Con-Flex Screw Anchors:

- Standard 3/8" ANSI masonry drill bit (.398" +.000"/-.010")
- Recommended functional masonry drill bit length: minimum 1" more than fastener length

Installation of 1/2" Con-Flex Screw Anchors:

- Standard 7/16" ANSI masonry drill bit (.468" +.000"/-.010")
- Recommended functional masonry drill bit length: minimum 1" more than fastener length



Miami-Dade NOA
Notice of Acceptance
No. 160211.03
High Velocity
Hurricane Zone

#14 ConFlex®

Grade 5 dual-hardened concrete / masonry screw

The over-sized #14 diameter ConFlex screw-anchor provides virtual immunity to embrittlement failure. Over-sized design and patented 40-45° thread profile provides enhanced anchor and connection strengths. Typical applications: Storefront/Curtain Wall, Hurricane Shutter Framing, Window Frames, Shelving and Racking, Impact Resistant Windows and Wood to Concrete or CMU.

Features

- Grade 5 dual-hardened heat treatment process (Flex Technology®)
- Large, oversized fastener dimensions (Thread O.D., minor diameter & unthreaded section)
- Patented 40/45° V-Notched threads
- Excellent corrosion resistance, multiple corrosion resistant finishes

Benefits

- Enhanced ductility
- Higher strip-out resistance in lower compression strength materials
- Stalgard SUB or Stalgard corrosion resistant finishes
- Alpha-numeric length head-marking codes ensures proper screw and anchor length have been used at inspection

Drive & Head Styles	HWH	TFH	PFH
	Hex Washer Head	Phillips Trimfit Flat Head	Phillips Flat Head
Drive	3/8" Hex	#3 Bit Drive	#3 Bit Drive
Washer Face Dia.	0.520"	NA	NA
Head Dia.	0.400"	0.460"	0.460"
Head Height	0.240"	0.158"	0.210"
Flare	-	80°	80°

Cat #	Length	Drive Size	Drill Bit Size	Box Qty*	Box Wt
#14 Diameter, Hex Washer Head - Stalgard® SUB Silver (2,000 Hour)					
EMR155	1-3/4"	3/8" hex	7/32"	1,000	36
EMR165	2-1/4"	3/8" hex	7/32"	1,000	30
EMR175	2-3/4"	3/8" hex	7/32"	800	25
EMR185	3-1/4"	3/8" hex	7/32"	500	23
EMR195	3-3/4"	3/8" hex	7/32"	500	21

Cat #	Length	Drive Size	Drill Bit Size	Box Qty*	Box Wt
#14 Phillips Flat Head - Silver Stalgard® (1,000 Hr)					
EMR110	1-3/4"	#3 Phillips	7/32"	2,000	44
EMR120	2-1/4"	#3 Phillips	7/32"	1,500	35
EMR130	2-3/4"	#3 Phillips	7/32"	1,000	30
EMR140	3-1/4"	#3 Phillips	7/32"	1,000	26
EMR150	3-3/4"	#3 Phillips	7/32"	500	23

Cat #	Length	Drive Size	Drill Bit Size	Box Qty*	Box Wt
#14 TrimFit Flat Head - Silver Stalgard® (1,000 Hr)					
EMR113	1-3/4"	#3 Phillips	7/32"	2,000	51
EMR123	2-1/4"	#3 Phillips	7/32"	1,500	40
EMR133	2-3/4"	#3 Phillips	7/32"	1,000	31
EMR143	3-1/4"	#3 Phillips	7/32"	1,000	27
EMR153	3-3/4"	#3 Phillips	7/32"	500	25

Cat #	Length	Drive Size	Drill Bit Size	Box Qty*	Box Wt
#14 TrimFit Flat Head - White Stalgard® (1,000 Hr)					
EMR124	2-1/4"	#3 Phillips	7/32"	1,500	40
EMR134	2-3/4"	#3 Phillips	7/32"	1,000	33
EMR144	3-1/4"	#3 Phillips	7/32"	1,000	27

Note: Length measured under head for hex head anchors, total length for flat head and trim flat head anchors. See diagram above.

Masonry Drill Bits

Drill Bit	Drill Diameter	Overall Length	Usable Bit Length	Drill Bit Shank Type
EMC100	7/32" ANSI	4-1/2"	2-3/4"	Tanged
EMC110		5-1/2"	4"	
EMC130		7"	4"	Hex SDS

#14 ConFlex® Performance Data

Base Material	Anchor Embedment	Distance		Tension Capacity (Lbs.)		Shear Capacity (Lbs.)		
		Edge	Spacing	Ultimate	Allowable	Ultimate	Allowable	
Concrete (2,500 PSI)	1"	1-1/2"	1-1/2"	388	97	788	197	
			3"	708	177	876	219	
		3"	1-1/2"	432	108	1432	358	
			3"	788	197	1592	398	
		1-3/4"	1-1/2"	1-1/2"	1112	278	900	225
				3"	1516	379	996	249
	3"		1-1/2"	1236	309	1632	408	
			3"	1684	421	1816	454	
	6"		6"	2244	561	1816	454	
	Concrete (3,500 PSI)	1"	1-1/2"	1-1/2"	508	127	1072	268
				3"	924	231	1192	298
3"			1-1/2"	564	141	1948	487	
			3"	1028	257	2164	541	
1-3/4"			1-1/2"	1-1/2"	1240	310	1132	283
				3"	1692	423	1256	314
		3"	1-1/2"	1380	345	2056	514	
			3"	1880	470	2288	572	
		6"	6"	2504	626	2288	572	
Concrete (6,000 PSI)		1"	1-1/2"	1-1/2"	672	168	1072	268
				3"	1224	306	1192	298
	3"		1-1/2"	748	187	1948	487	
			3"	1360	340	2164	541	
	1-3/4"		1-1/2"	1-1/2"	1488	372	1276	319
				3"	2028	507	1420	355
		3"	1-1/2"	1652	413	2324	581	
			3"	2256	564	2580	645	
		6"	6"	3008	752	2580	645	
	Grouted CMU	1-3/4"	1-1/2"	1-1/2"	750	150	660	132
				3"	1150	160	975	170
3"			1-1/2"	1250	250	1325	265	
			3"	1345	269	1730	346	
6"			6"	1420	284	2035	407	
2-1/4"		1-1/2"	6"	2510	502	975	195	
			3"	2950	590	2440	488	
Hollow CMU		1"	1"	1"	390	78	270	54
				2"	470	94	380	76
			1"	1"	435	87	545	109
				2"	520	104	760	152
	2"		2"	870	174	1085	217	
			3"					

Concrete Hollow Blocks 2000 PSI Normal Weight Concrete per ASTM C-90. For each listed embedment, linear interpolation may be used for intermediate spacing and edge distances. Indicated tension and shear values listed were obtained in tests conducted at an independent lab. These values have had an applied safety factor of 5:1 or 20% for CMU Data; 4:1 or 25% for Concrete Data (top table) of the average ultimate value obtained. These reductions are generally accepted practices for safe working loads; Note additional reductions may be advisable based upon actual anchoring conditions. It is always recommended to have a professional engineer review anchoring conditions for long-term and safe connections. Reference should always be made to applicable building codes for specific safe allowable loads.



RapidSet® Tools

The fastest, easiest and most reliable way to install machine screw anchors

Efficient RapidSet® tools eliminate clumsy hammer and -setting processes or expensive, slow expander tools.*

Specifications

- For machine screw anchor sizes #10, 1/4" and 3/8"
- Designed for use with power tools, including battery impact drivers
- MAXX model allows placement of 1/4" anchors at various depths (up to 2") below the surface

Features & Benefits

- Power tool does all the work – no pounding with setting tools
- Automatically sets anchor just below the surface
- Maximizes expansion of bottom portion of lead sleeve, which results in consistently high pull-out values

Cat #	For Insert-Anchor Size
Standard RapidSet tool	
EZB790	#10-24
EZB800	1/4-20
EZB820	3/8-16
RapidSet MAXX tool	
EZB810	1/4-20
Repair Kits	
EZB811	Repair Kit for EZB810 (Rapidset MAXX Tool)
EZB801	Repair Kit for EZB800 (Rapidset Tool for 1/4-20 Inserts)

* Note: RapidSet tools draw the anchor's internal insert up into the anchor's outer sleeve; this installation process eliminates the need to maintain a back bearing surface (required by hammer setting tools).

																	
		Drill® / Standard	Drill® / Boron Sealing Washers	Drill® / Wood-to-Metal	Drill Screws / Extended Drilling	Tapfast®	Architectural Roof Clip Fasteners	Drill-Flex®	Tap-Flex®	Bi-Flex™	Alumi-Flex™	Fab-Lok®	UltraCor®	UltraCor® SS4	Create-Flex® SS4	Conflex®	RapidSet® Tools
	DW268 Scrugun Amps: 6.5 No-Load Speed: 0-2500 rpm Clutch: Versa Clutch Torque: 132 in-lbs	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	#8-#10	✓					
	DW267 Scrugun Amps: 6.5 No-Load Speed: 0-2000 rpm Clutch: Versa Clutch Torque: 164 in-lbs	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"	#12 & 1/4"						
	DW269 Scrugun Amps: 6.5 No-Load Speed: 0-1000 rpm Clutch: Versa Clutch Torque: 344 in-lbs	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"						
	DCF622M2 Cordless Screw Gun Voltage: 20V MAX* No-Load Speed: 0-2000 rpm Clutch: Versa Clutch Drive: 1/4" Quick Release Hex Torque: Adjustable											✓					
	DCH133M2 Cordless Rotary Hammer Voltage: 20V MAX* Impact Energy: 2.6 Joules No-Load Speed: 0-1500 rpm Beats/minute: 0-5550 bpm Optimal Concrete Drilling: 3/16" - 5/8"												3/16"-5/16"	3/16"-5/16"	3/16"-5/16"	3/16"-5/16"	
	DCH273P2DHO Cordless SDS Hammer Voltage: 20V MAX* Impact Energy: 2.1 Joules No-Load Speed: 1-1100 rpm Beats/minute: 0-4600 bpm Optimal Concrete Drilling: 5/32" - 1/2"												3/16"-5/16"	3/16"-5/16"	3/16"-5/16"	3/16"-5/16"	
	D25263K SDS Hammer Amps: 8.5 Impact Energy: 3.0 Joules No Load Speed: 1-1450 rpm Blows/minute: 0-5350 Optimal Concrete Drilling: 1/4" - 3/4"																✓ ✓
	DCF887M2 Cordless Brushless Impact Driver Voltage: 20V Max No-Load Speed: 0-1000/2,800/3,250 rpm Drive: 1/4" hex Max Torque: 1825 in-lbs Impacts/minute: 3600 ipm								✓								✓ ✓
	DCF880M2 Cordless Impact Wrench Voltage: 20V Max* No-Load Speed: 0-3200 rpm Drive: 1/2" square Max Torque: 0-2,700 ipm Impacts/minute: 1,800 in-lbs																✓

For 20V MAX Maximum initial battery voltage measured without a workload is 20 volts. Nominal voltage is 18.

Impact tools are not recommended for the installation of self drilling screws. A max 2500 RPM screw gun with torque sensing nose pieces should be used. See page 103 for recommended RPM for individual screw diameters

DEWALT

OSHA COMPLIANT
1926.1153

DUST SOLUTIONS



ARE YOU COMPLIANT?

The Occupational Safety and Health Administration (OSHA) rules with the intent to limit workers' exposure to respirable crystalline silica.



TOOLS

Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.

- Read operator's manual provided with tool and accessories.
- To minimize dust emissions use recommended shroud or cowling and dust extractor

ACCESSORIES AND SHROUDS

Use drill or grinder equipped with commercially available shroud or cowling with dust collection system.

- All DeWALT shrouds and dust collection systems are commercially available.

DUST EXTRACTORS

Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency. Dust collector must have a cyclonic pre-separator or filter-cleaning mechanism. Cleaning/Drilling holes requires a vacuum with a HEPA filter.

- Both DWV010 and DWV012 provide the necessary airflow for drilling and hammering applications.
- Both DWV010 and DWV012 ship with dual HEPA filters, which have an efficiency of 99.97% of all particles greater than or equal to 0.3 microns.
- Both DWV010 and DWV012 have a timed automatic filter-cleaning mechanism.
- Surfacing, Tuckpointing, and Cutting with grinder requires 25 CFM per inch of wheel diameter, a filter cleaning mechanism, and 99% or greater efficiency.



YOUR FIRST LINE OF DEFENSE.™



DEWALT

To keep power tools performing their best, smart users choose accessories manufactured to DEWALT's exact specifications. From drilling and screwdriver bits to saw blades, abrasives, and hammer bits, our accessories are as tough as our tools.

Powers.

Powers® is an industry leader in concrete fastening systems. World class fastening design software, technical literature and technical support has made Powers® a leading choice for designers and specifiers.



Our close relationship with the construction industry has led to many innovative products customized for specific applications. ELCO® is a leader in fastening for the curtain wall and fire sprinkler trades.

INNOVATIVE FASTENING AND ANCHORING PRODUCTS

THE COMPLETE CONCRETE SOLUTION

DEWALT®

ENGINEERED BY **Powers™**

BUYERS GUIDE



DeWALT LOCATIONS		Field Service	DeWALT Tool Service	Anchor Distribution Center
ALABAMA	Birmingham	205-942-0538		
	Mobile	251-602-1000		
ALASKA	Anchorage	907-561-7181		
ARKANSAS	Little Rock	501-372-3040		
ARIZONA	Phoenix	602-437-1200		
	Phoenix	602-431-8024		
CALIFORNIA	San Francisco	510-783-3959		
	Hayward	510-293-1500		
	San Diego	858-279-2011		
	Anaheim	714-414-0369		
	Sacramento	916-344-3520		
	Ontario	909-930-1437		
	Tustin	714-731-2500		
COLORADO	Denver	303-922-8325		
	Denver	303-922-9202		
CONNECTICUT	Hartford	860-563-5800		
FLORIDA	Ft. Lauderdale	954-321-6635		
	Tampa	813-884-0434		
	Orlando	407-657-0474		
	Orlando	813-626-4500		
	W. Palm Beach	561-689-3247		
GEORGIA	Atlanta	770-246-1710		
	Atlanta	678-966-0000		
HAWAII	Honolulu	808-842-9925		
IOWA	Des Moines	515-270-1340		
ILLINOIS	Addison	630-521-1097		
	Addison	630-960-3156		
INDIANA	Indianapolis	317-243-8308		
	Indianapolis	317-773-1668		
KANSAS	Kansas City	913-495-4330		
	Kansas City	816-472-5033		
	Wichita	316-943-1271		
KENTUCKY	Louisville	502-380-3748		
LOUISIANA	New Orleans	504-832-2187		
	Baton Rouge	225-296-3191		
MARYLAND	Baltimore	410-536-0722		
	Capital Heights	301-333-0865		
	Baltimore / DC	301-773-1722		
MASSACHUSETTS	Boston	781-329-3407		
MICHIGAN	Grand Rapids	616-261-0425		
	Detroit	248-597-5000		
	Detroit	248-543-8600		
MINNESOTA	Minneapolis	952-884-9191		
	Minneapolis	612-331-3770		
MISSOURI	St Louis	314-997-9100		
	Kansas City	816-472-5033		
NEVADA	Las Vegas	702-889-6025		
NEW JERSEY	Elmwood Park	201-475-3524		

DeWALT LOCATIONS		Field Service	DeWALT Tool Service	Anchor Distribution Center
NEW MEXICO	Albuquerque	505-884-1002		
NEW YORK	Buffalo	716-884-6220		
	Queens	718-335-1042		
	Rochester	585-288-2080		
	Long Island	631-952-2008		
	Albany	518-785-1867		
	New York	800-524-3244		
NORTH CAROLINA	Charlotte	704-392-0245		
	Charlotte	704-375-5012		
	Greensboro	336-852-1300		
	Raleigh	919-878-0357		
OHIO	Cleveland	440-842-9100		
	Cincinnati	513-772-3111		
	Columbus	614-895-3112		
OKLAHOMA	Oklahoma City	405-634-8403		
	Tulsa	918-249-8641		
OREGON	Portland	503-255-6556		
PENNSYLVANIA	Philadelphia	215-271-5500		
	Pittsburgh	412-642-0204		
	Allentown	610-435-9544		
	York	717-755-3441		
SOUTH CAROLINA	Charleston	843-745-9197		
	Greenville	864-299-8662		
TENNESSEE	Memphis	901-384-8100		
	Nashville	615-242-1633		
	Nashville	615-248-2667		
	Knoxville	865-688-0921		
TEXAS	Dallas	972-446-2996		
	Dallas	972-446-5985		
	Houston	713-466-1194		
	Houston	281-491-0351		
	San Antonio	210-732-1221		
	Fort Worth	817-831-3828		
	Austin	512-382-3971		
UTAH	Salt Lake City	801-486-5828		
	Salt Lake City	801-466-9428		
VIRGINIA	Virginia Beach	757-363-0091		
WASHINGTON	Seattle	206-763-2010		
	Spokane	509-535-9252		
	Seattle	425-251-0312		
WEST VIRGINIA	Charleston	304-343-0289		
WISCONSIN	Milwaukee	414-645-4285		
	Milwaukee	414-645-8821		

DEWALT, ELCO, & POWERS Anchors and Fasteners Inquiries: 800-524-3244

DEWALT, ELCO, & POWERS Anchors and Fasteners Technical Questions: email: engineering@powers.com

Dealer Stamp

1-800-4 DEWALT®

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*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

¹ With 5.0Ah battery pack, driving 3/4" .102 fasteners into concrete.

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