

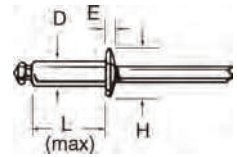


FASTENERS

POP® RIVETS - STEEL DOME HEAD OPEN END

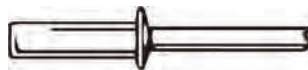
IFI Grade 30
Plated Carbon Steel Body with
Coated Carbon Steel Mandrel

Break-stem - Mandrel head remains in rivet body. †Values shown are a guide only and may vary depending upon the application.



Mfr No.	D Rivet	Hole Size	Grip Range	L Length	H Head	E Haed	Typical Ultimate Strengths (lb)	
	Body Dia. (in.)	Drill No.	((n.))	Under Hd. (Max.)	Dia. (Nom.)	Height (Max.)	Shear	Tensile
SD32BS	3/32	.097-.100	.031-.125	.240	.188	.032	150	205
SD34BS		#41	.126-.250	.365				
SD41BS			.031-.062	.203				
SD42BS			.063-.125	.265				
SD43BS			.126-.187	.328				
SD44BS	1/8	.129-.133	.188-.250	.390	.250	.040	295	425
SD45BS		#30	.251-.312	.453				
SD46BS			.313-.375	.515				
SD48BS			.376-.500	.640				
SD52BS			.063-.125	.290				
SD53BS			.126-.187	.353				
SD54BS	5/32	.160-.164	.188-.250	.415	.312	.047	410	570
SD56BS		#20	.251-.375	.540				
SD62BS			.063-.125	.315				
SD64BS			.126-.250	.440				
SD66BS			.251-.375	.565				
SD68BS			.376-.500	.690				
SD610BS	3/16	.192-.196	.501-.625	.815	.375	.055	590	815
SD612BS		#11	.626-.750	.940				
SD614BS			.751-.875	1.065				
SD616BS			.751-1.000	1.190				
SD84BS			.063-.250	.490				
SD86BS			.251-.375	.615				
SD88BS			.376-.500	.740				
SD810BS	1/4	.257-.261	.501-.625	.865	.500	.073	1245	1505
SD812BS		F	.626-.750	.990				
SD816BS			.876-1.000	1.240				

AVAILABLE IN -
Dome Head, Closed-End Rivets

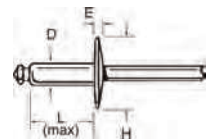


Steel Rivet with Carbon
Steel Zinc Plated Mandrel

POP® RIVETS - STEEL LARGE FLANGE HEAD OPEN END

IFI Grade 30
Plated Carbon Steel Body with
Coated Carbon Steel Mandrel

Break-stem - Mandrel head remains in rivet body.



Mfr No.	D Rivet	Hole Size	Grip Range	L Length	H Head	E Haed	Typical Ultimate Strengths (lb)	
	Body Dia. (in.)	Drill No.	((n.))	Under Hd. (Max.)	Dia. (Nom.)	Height (Max.)	Shear	Tensile
SD42BSLF			.063-.125	.265				
SD44BSLF	1/8	.129-.133	.126-.250	.390	.375	.065	295	425
SD54BSLF		#30	.126-.250	.415	.468	.075	410	570
SD64BSLF	5/32	.160-.174	.063-.250	.440	.468	.075	410	570
SD66BSLF		#20	.251-.375	.565				
SD68BSLF			.376-.500	.690				
SD610BSLF	3/16	.129-.196	.501-.625	.815	.625	.092	590	815
SD612BSLF		#11	.626-.750	.940				



The Fastener Group

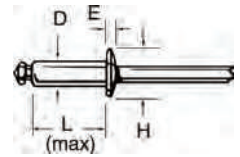


FASTENERS

POP® RIVETS - ALUMINUM DOME HEAD OPEN END

IFI Grade 19 5056 Aluminum Body with Coated Carbon Steel Mandrel

Break-stem - Mandrel head remains in rivet body. †Values shown are a guide only and may vary depending upon the application.

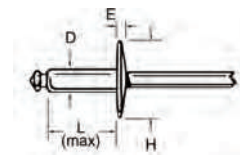


Mfr No.	D Rivet	Hole Size	Grip Range	L Length	H Head	E Haed	Typical Ultimate Strengths (lb)	
	Body	Drill	(n.)	Under Hd.	Dia.	Height	Shear	Tensile
	Dia. (in.)	No.		(Max.)	(Nom.)	(Max.)		
AD32BS	3/32	.097-.100	.031-.125	.240	.188	.032	125	175
AD34BS		#41	.126-.250	.365				
AD41BS			.031-.062	.203				
AD42BS			.063-.125	.265				
AD43BS			.126-.187	.328				
AD44BS	1/8	.129-.133	.188-.250	.390	.250	.040	210	325
AD45BS		#30	.251-.312	.453				
AD46BS			.313-.375	.515				
AD48BS			.376-.500	.640				
AD410BS			.501-.625	.765				
AD52BS			.063-.125	.290				
AD53BS			.126-.187	.353				
AD54BS	5/32	.160-.164	.188-.250	.415	.312	.047	340	490
AD56BS		#20	.251-.375	.540				
AD58BS			.376-.500	.665				
AD62BS			.063-.125	.315				
AD64BS			.126-.250	.440				
AD66BS			.251-.375	.565				
AD68BS			.376-.500	.690				
AD610BS	3/16	.192-.196	.501-.625	.815	.375	.055	445	720
AD612BS		#11	.626-.750	.940				
AD614BS			.751-.875	1.065				
AD616BS			.876-1.000	1.190				
TAPD6150BS			1.041-1.290	1.500				
AD84BS			.063-.250	.490				
AD86BS			.251-.375	.615				
AD88BS			.376-.500	.740				
AD810BS	1/4	.257-.261	.501-.625	.865	.500	.073	890	1200
AD812BS		F	.626-.750	.990				
AD816BS			.751-1.000	1.240				

POP® RIVETS - ALUMINUM LARGE FLANGE HEAD OPEN END

IFI Grade 19 5056 Aluminum Body with Coated Carbon Steel Mandrel

Break-stem - Mandrel head remains in rivet body.



Mfr No.	D Rivet	Hole Size	Grip Range	L Length	H Head	E Haed	Typical Ultimate Strengths (lb)	
	Body	Drill	(n.)	Under Hd.	Dia.	Height	Shear	Tensile
	Dia. (in.)	No.		(Max.)	(Nom.)	(Max.)		
AD42BSLF			.031-.125	.265				
AD43BSLF	1/8	.129-.133	.126-.187	.328	.375	.065	210	490
AD44BSLF		#30	.188-.250	.390				
AD54BSLF	5/32	.160-.174	.126-.250	.415	.468	.075	340	490
AD64BSLF		#20	.063-.250	.450				
AD66BSLF			.251-.375	.565				
AD68BSLF			.376-.500	.690				
AD610BSLF	3/16	.129-.196	.501-.625	.815	.625	.092	445	720
AD612BSLF		#11	.626-.750	.940				
AD616BSLF			.751-1.000	1.190				



RIVETING DATA

RIVETERS, PULLING HEADS, RIVET AND MANDREL MATERIALS



Chart below indicates diameter and materials of rivets best set by each Rivet Tool.

RIVET DIAMETERS
(Approx. Metric equiv. in brackets.)
● INDICATES OPEN-END RIVETS
■ INDICATES CLOSED-END RIVETS



200 H.D. "Pop" Rivetool
Comes equipped with nosepieces for 1/8", 5/32" and 3/16" diameter rivets. See page E33 for other nosepieces.

400
Heavy-duty Hand Riveter - for "POP" Rivets. Spring action, rugged, low priced, 4 nosepieces for 3/32", 1/8", 5/32" & 3/16".

1815
PowerLink 30 "Pop" Rivet Tool.
Comes with four nosepieces to set 3/32", 1/8", 5/32" & 3/16" "POP" Rivets. Designed for one hand operation.

1818 Manual "Pop" Rivetool.
For recessed rivet applications. Provides a 5" nosepiece and ergonomically designed hand grips for comfortable operation. Longer handles provide more leverage and easier operations on tough 1/4" and "T" rivets. Hardened tool steel jaws for durability. Comes with nosepieces to set 3/16" and 1/4" rivets, and "T" rivets.

1817 Hand "Pop" Rivetool.
Durable, dependable hand operated riveter capable of setting most types and sizes in POP's rivet line. Ideal for applications where lateral space is limited.

PRG-510 PNEUMATIC "POP" RIVETER
Latest addition to the "POP" Rivet line of power tools. This low cost "POP" Riveter is designed for high-speed production riveting, trouble-free operations, and easy maintenance. Comes with air hose and 1/8", 5/32", and 3/16" open-end nosepieces. See page E33 for other nosepieces.

PRG-540 AIR-HYDRAULIC "POP" RIVETER
Heavy-duty "POP" Riveter ideal for setting "POP" Rivet in high production type fastening operations. Sets all diameter "POP" Rivets. Easy portability. Comes with air hose and 3/32", 1/8", 5/32" and 3/16" nosepieces.

Replacement parts for installing rivet sizes from 3/32" to 3/16" inclusive with PRG 540 Riveter.
PRG-540-43 Mandrel Guide
PRG-540-46 Jaws
PRG-14 Jaw Pusher
PRG-540-14 Piston Rod

MATERIAL		3/32"	7/64"	1/8"	5/32"	3/16"	1/4"
Rivet	Mandrel	(2.4)	(2.8)	(3.2)	(4.0)	(4.8)	(6.3)
alum.	alum.	●		●	●	●	
alum.	steel	●		●	●	●	
steel	steel	●		●	●	●	
monel	steel		●	●			
stainless	stainless		●				
alum.	alum.	●		●	●	●	
alum.	steel	●		●	●	●	
steel	steel	●		●	●	●	
monel	steel		●	●			
stainless	stainless			●			
alum.	alum.	●		●	●	●	
alum.	steel	●		●	●	●	
steel	steel	●		●	●	●	
monel	steel		●	●			
stainless	stainless			●			
alum.	alum.	●	●	●	●	●	●
alum.	steel	●	●	●	●	●	●
steel	steel	●	●	●	●	●	●
monel	steel		●	●			●
stainless	stainless		●				
alum.	alum.	●		●	●	●	
alum.	steel	●		●	●	●	
steel	steel	●		●	●	●	
monel	steel		●	●			
stainless	stainless			●			
alum.	alum.	●		●	●	●	●
alum.	steel	●		●	●	●	●
steel	steel	●		●	●	●	●
monel	steel		●	●			
stainless	stainless			●			

Parts required to convert - 540 Riveters to set 1/4" Pop® rivets.
PRG-540-44 Jaws, PRG-740-7A Jaw Pusher and PRN-811 Nosepiece for 1/4" OPEN END Rivets.
PRG-540-44 Jaws, PRG-740-7A Jaw Pusher and PRN-822 Nosepiece for 1/4" CLOSED END Rivets.



POP® RIVETS ASSORTMENTS

18 Popular sizes of Aluminum, Steel and Monel 'Pop' Rivets, Plus Back-up Washers.



21 Varieties - 2700 Pieces

Assortment includes the Heavy Duty Hand Riveter

Size: 18" x 12" x 3" See pages E18 to E28 for Pop Rivets.

REGULAR SIZE Steel, grey enamel Drawer will fit Slide Racks
Shipping Weight 16-3/4 Lbs.

AULNIMUM Open-End Pop® Rivets

Aluminum Steel Mandrels

Priced Singly

Qty.:100 Pieces per.

Includes Heavy Duty Riveter.
Shipping Weight 14.6 Lbs.



PLATED STEEL Open-End Pop® Rivets

Steel Mandrels

Priced Singly

Qty.:100 Pieces per.

Includes Heavy Duty Riveter.
Shipping Weight 19.7 Lbs.



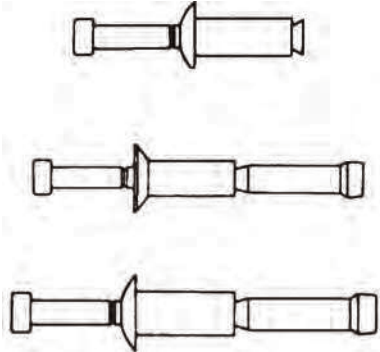
Dia. x Lgth.	Range	Style
3/32" x .240"	.031-.125"	Dome
3/32" x .365"	.126-.250"	Dome
3/32" x .365"	.126-.250"	Dome
1/8" x .230"	.063-.125"	Countersunk
1/8" x .265"	.031-.125"	Dome Lg. Flange
1/8" x .265"	.063-.125"	Dome
1/8" x .265"	.063-.125"	Dome
1/8" x .328"	.126-.187"	Dome
1/8" x .400"	.251-.312"	Countersunk
1/8" x .765"	.501-.625"	Dome
5/32" x .353"	.126-.187"	Dome
5/32" x .540"	.251-.375"	Dome
5/32" x .540"	.251-.375"	Dome
3/16" x .440"	.126-.250"	Dome
3/16" x .440"	.126-.250"	Dome
3/16" x .565"	.215-.375"	Dome
3/16" x .565"	.215-.375"	Dome Lg. Flange
3/16" x .565"	.251-.375"	Dome
3/16" x .940"	.626-.750"	Dome
3/16" x 1.50"	1.041-1.290"	Dome

Rivet Dia. x Lgth.	Grip Range	Head Style
3/32" x .240"	.031-.125"	Dome
3/32" x .365"	.126-.250"	Dome
1/8" x .265"	.063-.125"	Countersunk
1/8" x .265"	.063-.125"	Dome
1/8" x .328"	.126-.187"	Dome
1/8" x .390"	.188-.250"	Dome
1/8" x .453"	.251-.312"	Dome
1/8" x .515"	.313-.375"	Dome
1/8" x .640"	.376-.500"	Dome
5/32" x .240"	.101-.130"	Countersunk
5/32" x .290"	.063-.125"	Dome
5/32" x .415"	.188-.250"	Dome
5/32" x .540"	.251-.375"	Dome
3/16" x .315"	.063-.125"	Dome
3/16" x .440"	.126-.250"	Dome
3/16" x .565"	.251-.375"	Dome
3/16" x .565"	.251-.375"	Dome Lg. Flange
3/16" x .690"	.376-.500"	Dome
3/16" x .815"	.501-.625"	Dome
3/16" x .815"	.501-.625"	Dome Lg. Flange



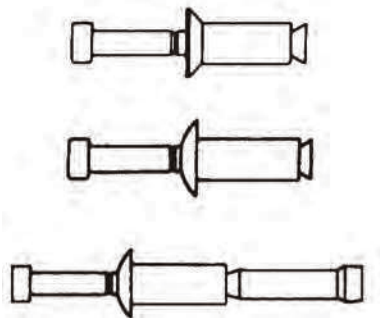
CHERRY BLIND RIVETS OLD STYLE

ALUMINUM CHERRY RIVETS (A17ST Aluminum Alloy)

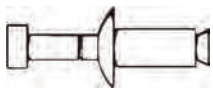


**ASK FOR PRICE
& AVAILABILITY**

STEEL CHERRY RIVETS (Finish: Cadmium Plated)



MONEL CHERRY RIVETS (Finish: Cadmium Plated)



Use these MONEL rivets
to attach -
STAINLESS STEEL PANELS
on Bus and Truck Bodies,
Railway Coaches, etc.

SOLID STEEL RIVETS

C-1008 SOFT STEEL - HARDNESS ROCKWELL B-60, MAX.

Plain Finish

RIVET SIZE					
	OVAL	FLAT	TRUSS	90° CTSK.	
DIA.	Length	OVAL	FLAT	TRUSS	90° CTSK.
1/8	7/32				
	1/4				
	5/16				
	3/8				
	1/2				
3/16	3/4				
	1				
	7/32				
	17/64				
	3/8				
	7/16				
	1/2				
	9/16				
	5/8				
	3/4				
	7/8				
	1				
	1-1/4				
	1-3/8				
	1-1/2				
1-3/4					
2					
2-1/4					
2-3/8					
2-1/2					
1/4	3/8				
	7/16				
	1/2				
	5/8				
	3/4				
7/8					

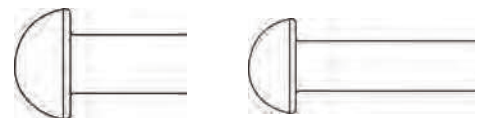
ASK FOR PRICE & AVAILABILITY

RIVET SIZE					
	OVAL	FLAT	TRUSS	90° CTSK.	
DIA.	Length	OVAL	FLAT	TRUSS	90° CTSK.
1/4	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
5/16	2-1/2				
	1/2				
	5/8				
	3/4				
	7/8				
	15/16				
	1				
	1-1/4				
	1-5/16				
	1-3/4				
2					
3/8	1/2				
	5/8				
	3/4				
	7/8				
	1				
	1-1/8				
	1-1/4				
	1-1/2				
	1-5/8				
	2				
7/16	1				
	1-1/4				
	1-3/8				
	1-1/2				
	2				

SOLID STEEL RIVETS

C-1008 SOFT STEEL - HARDNESS ROCKWELL B-60, MAX.

Plain Finish



Dia.	Length	Pkg.	Dia.	Length	Pkg.	Dia.	Length	Pkg.	Dia.	Length	Pkg.		
(in.)	(in.)	Qty.	(in.)	(in.)	Qty.	(in.)	(in.)	Qty.	(in.)	(in.)	Qty.		
1/2	1	50	5/8	2-1/4	50	3/4	3	25	7/8	3-1/2	20		
	1-1/4	50		Cont...	2-1/2		50	3-1/4		25	Cont...	3-3/4	20
	1-1/2	50		3	25		3-1/2	25		4	20	4	20
	1-3/4	50		3-1/2	25		4	20		4-1/4	20	4-1/4	20
	2	50		4	25		4-1/2	20		4-1/2	20	4-1/2	20
2-1/2	50			5	20	4-3/4	20						
5/8	1-1/4	50	3/4	1-3/4	25	7/8	2	25	1	2-1/2	20		
	1-1/2	50		1-7/8	25		2-1/2	25		3	20		
	1-3/4	50		2	25		2-3/4	25		3-1/2	20		
	1-7/8	50		2-1/4	25		2-7/8	25		4	10		
	2	50		2-3/8	25		3	20		4-1/2	10		
	2-1/8	50		2-1/2	25		3-1/4	20					
				2-3/4	25								



18-8 STAINLESS STEEL

Solid Rivets

RIVET
SIZE



ROUND



FLAT



90° CTSK.

DIA.	Length	ROUND	FLAT	90° CTSK.
1/8	3/16			
	1/4			
	3/8			
	1/2			
	5/8			
	3/4			
3/17	1			
	1/4			
3/16	1/2			
	1/4			
	17/64			
	3/8			
	1/2			
	5/8			
	3/4			
	1			
	1-1/4			
	1-3/8			
1/4	1-1/2			
	1-3/4			
	2			
	3/8			
	1/2			
	5/8			
5/16	3/4			
	1			
	1-1/4			
	1-1/2			
	2			
3/8	5/8			
	3/4			
	1			
	1-1/4			
	1-1/2			

**ASK FOR PRICE
& AVAILABILITY**

BRASS

Solid Rivets

RIVET
SIZE



OVAL



ROUND



90° CTSK.



FLAT

DIA.	Length	OVAL	ROUND	90° CTSK.	FLAT
5/64	5/32				
	11/32				
1/8	1/4				
	3/8				
5/32	1/2				
	13/32				
3/16	17/32				
	5/16				
1/4	3/8				
	1/2				
	5/8				
	3/4				
	1				

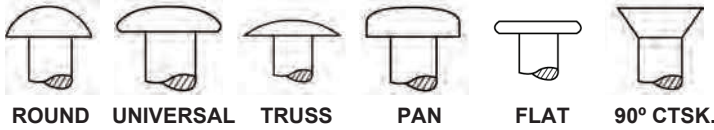
COPPER

Solid Rivets

DIA.	Length	OVAL	ROUND	90° CTSK.	FLAT
.087	5/16				
3/32	5/16				
	3/8				
	1/2				
1/8	5/8				
	3/4				
	1				
	3/8				
3/16	1/2				
	5/8				
	3/4				
	7/8				
	1				
	1-1/4				
1/4	1-1/2				
	1/2				
	3/4				
	1				
5/16	1-1/2				
	2				
	1-1/4				

SOLID ALUMINUM RIVETS ALUMINUM ALLOY NO. 1100-F (2-S)

UNIT PACKS
OF 100



DIA.	Length	ROUND	UNIVERSAL	TRUSS	PAN	FLAT	90° CTSK.
1/8	3/8						
3/32	1/4						
	1/2						
1/8	3/16						
	1/4						
	5/16						
	3/8						
	1/2						
9/64	3/4						
	1						
	9/16						
	1 1/4						
5/32	5/16						
	3/8						
	7/16						
	1/2						
	9/16						
3/16	3/4						
	1						
	1 1/4						
	1 1/2						
	1 3/8						
	1 1/2						
	3/8						
	1/2						
3/4							
1/4	1						
	3/4						
	1						
5/16	3/4						
	1						
	1-1/2						
3/8	1						

**ASK FOR PRICE
& AVAILABILITY**

RIBET SETS FOR PNEUMATIC RIVETING HAMMERS

with .401" Dia. Shank

Select desired Rivet Set by rivet diameter
and desired Cupping Style



Also available for Brazier,
Button and Universal Style



STRAIGHT TYPE for Solid Rivets

Rivet Dia.	Length (in.)
1/8	3-1/2
3/16	3-1/2
1/4	3-1/2

Flat Cupping

1/8	3-1/2
3/16	3-1/2
1/4	3-1/2

STRAIGHT TYPE for Flaring Tube Rivets

Rivet Dia.	Length (in.)
1/8	3-1/2
3/16	3-1/2
1/4	3-1/2

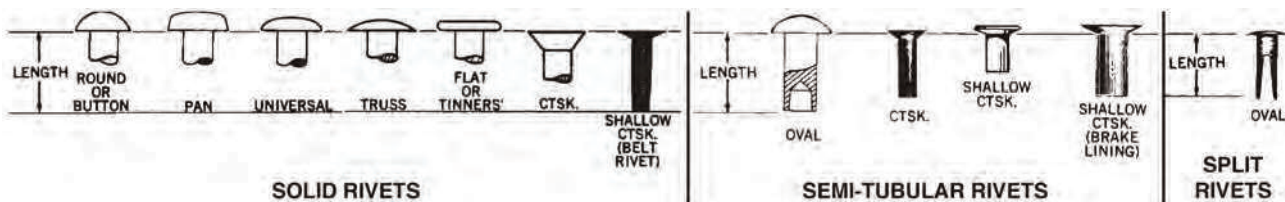
STRAIGHT BELL TYPE for Solid Rivets

Rivet Dia.	Length (in.)
5/16	3-1/2
3/8	3-1/2
3/8	3-1/2

Flat Cupping

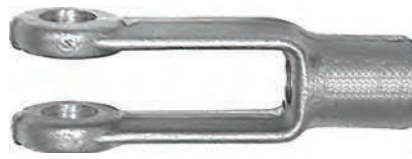
5/16	3-1/2
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HOT TO MEASURE RIVET LENGTHS



CLEVIS YOKES

STEEL - Drop Forged



ADJUSTABLE YOKE ENDS (ROD ENDS or CLEVIS YOKES)

T-Thread	Dimensions (in.)								
	A	B	C	D	E	F	G	H	K
1/4"-28 NF	2"	7/16"	7/16"	1 1/4"	9/32"	5/8"	1/4"	3/4"	1/2"
5/16"-24 NF	2 1/4"	1/2"	1/2"	1 7/16"	11/32"	3/4"	5/16"	13/16"	19/32"
3/8"-24 NF	2 1/2"	5/8"	5/8"	1 5/8"	7/16"	7/8"	3/8"	7/8"	11/16"
7/16"-20 NF	2 7/8"	23/32"	23/32"	1 7/8"	1/2"	1"	7/16"	1"	13/16"
1/2"-20 NF	3"	13/16"	13/16"	1 7/8"	9/16"	1 1/8"	1/2"	1 1/8"	15/16"
5/8"-18 NF	4 15/16"	1-1/16"	1 1/16"	3 11/16"	1 1/16"	1 3/8"	5/8"	1 1/4"	13/16"
3/4"-16 NF	6 1/16"	1 1/4"	1 1/4"	4 9/16"	1 3/16"	1 5/8"	3/4"	1 1/2"	17/16"

Drop forged and machined steel - plain finish. Fine thread UNF-2, Right-hand. S.A.E. Standard - Light Series Unit Package 5 (one size)

SPRING TENSION PINS

Slotted Spring Tension Pins



Stainless Steel AISI 420 pins are excellent for applications up to 370°C (700°F), but should not be subjected to higher temperatures. They can be used in temperatures down to -45°C (-50°F).

Reusable - Shock resistant - Vibrationproof Pins are oversize; will contract to "nominal diameter" upon insertion.

To ASME/ANSI B18.8.2 Specs. (Rolled Spring Pins)

Nominal Diameter	1/16"	5/64"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	5/16"	3/8"	1/2"
	.012	.018	.022	.028	.032	.040	.048	.048	.062	.077	.094
Wall Thickness	.066-.069	.083-.086	.099-.103	.131-.135	.162-.167	.194-.199	.226-.232	.258-.264	.321-.330	.385-.395	.513-.524
Outside dia. before insertion	.062-.065	.078-.081	.094-.097	.125-.129	.156-.160	.187-.192	.219-.224	.250-.256	.312-.318	.375-.382	.500-.510
Recommended Hole Size	430	800	1,150	1,875	2,750	4,150	5,850	7,050	10,800	16,300	27,100

Min. Proof Shear Strength in lbs.

LENGTHS	Unit Packs of 100										
1/4	9/16			1			1-1/2			2-1/2	
5/16	11/16			1-1/8			1-5/8			3	
3/8	5/8			1-3/16			1-3/4			3-1/2	
7/16	3/4			1-1/4			2			4	
1/2	7/8			1-3/8			2-1/4			4-1/2	

302 STAINLESS STEEL - Slotted Spring Tension Pins, May be slightly Magnetic

Nominal Diameter	1/16"	5/64"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	5/16"	3/8"	1/2"
	.012	.018	.022	.028	.032	.040	.048	.048	.062	.077	.094
Wall Thickness	.066-.069	.083-.086	.099-.103	.131-.135	.162-.167	.194-.199	.226-.232	.258-.264	.321-.330	.385-.395	.513-.524
Outside dia. before insertion	.062-.065	.078-.081	.094-.097	.125-.129	.156-.160	.187-.192	.219-.224	.250-.256	.312-.318	.375-.382	.500-.510
Recommended Hole Size	250	460	670	1,090	1,600	2,425	3,400	4,100	6,300	9,500	15,800

Min. Proof Shear Strength in lbs.

LENGTHS	Unit Packs of 100										
1/4											1-1/8
5/16											1-1/4
1/2											1-5/8
5/8											1-3/4
3/4											2



CLEVIS PINS
STEEL - Case Hardened

Cross-drilled & counter-sunk for cotter pin.



Finish - Zinc Chromate or Dichromate

Dia. (in.) D	Length Under Head B L		Hole Dia. (in.)	Use Cotter Pin	Pkg. Qty.
3/16	0.504"-0.484"	0.580"	.080"	1/16"	100
1/4	0.692"-0.672"	0.780"	.080"	1/16"	100
5/16	0.832"-0.812"	0.940"	.111"	3/32"	100
3/8	0.958"-0.938"	1.060"	.111"	3/32"	100
7/16	1.082"-1.062"	1.190"	.111"	3/32"	50
1/2	1.223"-1.203"	1.395"	.143"	1/8"	50
5/8	1.473"-1.453"	1.610"	.143"	1/8"	25
3/4	1.739"-1.719"	1.910"	.174"	5/32"	25

SAE Standard Sizes

Other Stock Sizes to IFI Standards except for Hole Dia. and point style.

Hole Dia. Tol. on Pins listed below +.010" to -.005"

	1/8	3/8	7/16	1/16 Hole Dia.	3/64 Use Cotter Pin	Qty.
		17/32"	5/8"			100
3/16		1-1/16"	1-3/16"	3/32	1/16	100
		1-1/2"	1-5/8"			100
		2-13/32"	2-1/2"			100
		13/32"	1/2"			100
		3/4"	27/32"			50
		29/32"	1"			50
1/4		1"	1-3/32"	3/32	1/16	50
		1-5/32"	1-1/4"			50
		1-9/32"	1-3/8"			50
		1-13/32"	1-1/2"			50
		1-17/32"	1-5/8"			50
		1-5/8"	1-3/4"			50
		1-29/32"	2"			50
		9/16"	3/4"			50
		19/32"	3/4"			50
		21/32"	27/32"			50
		23/32"	13/16"			50
		27/32"	15/16"			50
		13/16"	31/32"			50
	7/8"	1"	50			
5/16		15/16"	1-1/16"	1/8	3/32	50
		1"	1-1/8"			50
		1-1/8"	1-1/4"			50
		1-1/4"	1-3/8"			50
		1-3/8"	1-1/2"			50
		1-7/16"	1-9/16"			50
		1-9/16"	1-11/16"			50
		1-5/8"	1-3/4"			50
		1-3/4"	1-7/8"			50
		2-19/32"	2-3/4"			50





HITCH PIN CLIPS

STEEL - Zinc Plated or STAINLESS STEEL

For use on Agricultural Implements, Construction and Automotive Equipment, Lawn Mowers, Industrial Machinery and Equipment.



INTERNAL TYPE (HAIRPIN COTTERS) TEMPERED FOR ADDED STRENGTH AND LONGER LIFE

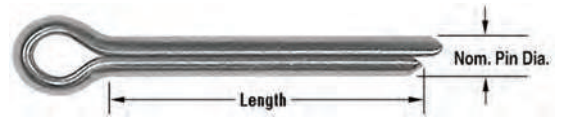
STEEL	302	Wire	Wire	Drill	Pin	Pin	Approx.
Zinc	STAINLESS	Nom.	Dec.	Hole	Min.	Max.	Overall
Plated	Steel	Dia.	Dia.	Size	Dia.	Dia.	Length.
			.028	1/32	1/8	5/32	.600
			.035	.040	7/64	9/64	7/16
			.042	.047	1/16	1/8	7/16
			.042	3/64	3/16	1/4	1
			.042	3/64	3/16	3/8	29/32
			.047	1/16	1/8	3/16	19/32
			.047	1/16	1/4	3/8	1-9/16
			.054	1/16	3/16	1/4	3/4
			.054	1/16	1/4	3/8	7/8
			.062	5/64	3/16	3/8	1-5/32
			.062	5/64	1/4	1/2	1-5/16
	1/16		.062	5/64	3/8	1/2	1-9/16
			.072	5/64	5/16	3/8	1-3/32
			.072	5/64	3/8	1/2	1-7/8
			.073	5/64	5/16	3/8	1-7/16
			.080	3/32	1/4	3/8	1-3/16
			.080	3/32 or 7/64	3/8	1/2	1-9/16
			.093	7/64	1/4	1/2	1-1/8
	3/32		.093	7/64	1/4	1/2	1-5/8
	3/32		.093	7/64	1/4	5/8	2-5/16
			.093	7/64	3/8	1/2	2
	3/32		.093	7/64	3/8	3/4	2-1/2
			.105	1/8	5/16	3/8	1-1/4
	1/8		.125	9/64	1/2	3/4	1-9/16
			.125	9/64	1/2	3/4	1-15/16
	1/8		.125	9/64	7/16	3/4	2-9/16
			.125	9/64	5/8	7/8	2-1/2
	1/8		.125	9/64	3/4	1-1/8	3-1/8
	5/32		.148	5/32 or 11/64	5/8	7/8	2-3/4
	5/32		.148	5/32 or 11/64	1/2 x 5/8 Rect.	5/8 x 1 Rect.	3
	5/32		.148	5/32 or 11/64	5/8	1	2-15/16
	5/32		.148	5/32 or 11/64	3/4	1-1/8	3-5/16
	11/64		.162	11/64 or 3/16	7/8	-1/16	2-3/16
	11/64		.162	11/64 or 3/16	1/2 x 3/4 Rect.	5/8 x 1 Rect.	3
	11/64		.162	11/64 or 3/16	1/2 x 1 Rect.	7/8 x 1 Rect.	3-7/16
	3/16		.177	3/16 or 13/64	5/8	1	3-1/4
	3/16		.177	3/16 or 13/64	3/4	1-1/16	3-1/2
	3/16		.177	3/16 or 13/64	7/8	1-1/4	3-3/4
	1/4		.243	1/4 or 17/64	3/4	1	4
			.243	17/64	1-1/4	1-1/2	5-1/8
	1/4		.243	1/4 or 17/64	1-1/4	2	5
	5/16		.310	5/16 or 21/64	7/8	1	3-15/16

PHONE FOR PRICE & AVAILABILITY





COTTER PINS - STEEL Low Carbon ROUND, EXTENDED PRONG STYLE



Plain Finish

Nom. Pin. Dia.	1/32	3/64	1/6	5/64	3/32	7/64	1/8
Lgth.							
(in.)							

- 1/4
- 3/8
- 1/2
- 3/4
- 1
- 1-1/4
- 1-1/2
- 1-3/4
- 2
- 2-1/4
- 2-1/2
- 3
- 3-1/2
- 4

FOR EASY INSERTION AND LOCKING

Cont...

Nom. Pin. Dia.	5/32	3/16	7/32	1/4	5/16	3/8	1/2
Lgth.							
(in.)							

- 3/4
- 1/1-1/4
- 1-1/2
- 1-3/4
- 2
- 2-1/4
- 2-1/2
- 3
- 3-1/2
- 4
- 4-1/2
- 5
- 6
- 8

FOR EASY INSERTION AND LOCKING

ASK FOR PRICE & AVAILABILITY

BRASS ROUND, EXTENDED PRONG STYLE

Plain Finish



Nom. Pin. Dia.	1/32	3/64	1/6	5/64	3/32	7/64	1/8
Lgth.							
(in.)							

- 1/2
- 3/4
- 1
- 1-1/4
- 1-1/2
- 1-3/4
- 2
- 2-1/4
- 2-1/2
- 3
- 3-1/2
- 4

ASME/ANSI B18.8.1

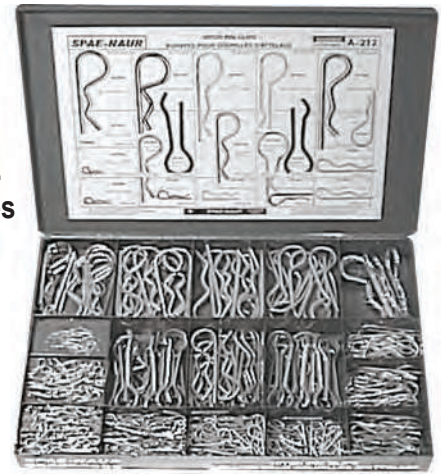


HITCH PIN CLIPS ASSORTMENT INTERNAL TYPE (HAIRPIN COTTERS) Steel - Zinc plated

- For
- agricultural implements
 - construction and automotive equipment
 - lawn mowers
 - industrial machinery and equipment

Large size grey enamel steel drawer
Size: 18" x 12" x 3"
Priced Singly
Shipping Weight 11 lbs.

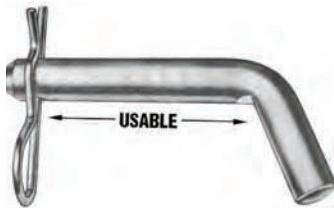
20 Sizes -
444 Pieces



HITCH PINS / LOCK PINS

BENT PULL PINS

Designed for use on Farm Equipment; Lawn and Garden Equipment; Recreational Vehicles and on Mobile Home Trailer Hitches.



Steel C-117

Dia. (in.)	Length (in.)
1/2	3
5/8	3
3/4	3-1/2
3/4	4-1/2

- Made from high strength steel.
- Heavy zinc plating resists rust.
- Fits all popular trailer hitches.
- Each pin complete with hairpin.

TENSION LOCK HITCH PINS

Dia. (in.)	Length (in.)
3/8	2-3/4
1/2	3-1/2
5/8	3-1/2
3/4	3-1/2
7/8	3-1/2
1	3-1/2
3/4	6
7/8	6
1	6
13/16	6-1/4



Specifically designed for quick hitching (and unhitching) all types of mobile equipment. Machined from high strength steel. Zinc Plated. A Safe-Sure Hitch Pin.

Tension Spring Holds Toggle Lock Where You Put It Locked...or Unlocked - For Easy One-Hand Use! Steel C-1144

TAB LOCK PINS

Designed for use on Farm Equipment; Lawn and Garden Equipment; Recreational Vehicles and on Mobile Home Trailer Hitches.



HD Steel C1018

Dia. (in.)	Length (in.)	Unit Qty.
1/4	1-3/4	10
5/16	1-3/4	10
3/8	1-3/4	10

- 1/4" diameter
- 5/16" diameter
- 3/8" diameter

PIN-LOCK HAIR PIN HITCH PIN

Dia. (in.)	Length (in.)	Unit Qty.
3/8	3	10
1/2	4	10
5/8	4-1/2	5
3/4	4-1/2	10
1	4-1/2	1
5/8	6	10
3/4	6	10
7/8	6	10
1	6	1



HAIRPIN PROVIDES POSITIVE LOCKING. EACH PIN COMPLETE WITH HAIRPIN.

For heavy mobile equipment.

Steel C-1144



SQUARE MACHINE KEY BARS

S.A.E. 1035

SQUARE TOLERANCES

3/32" to 3/4" -0/+ .003", 13/16" to 1-1/2" -0/+ .004"

1-3/4" to 2-1/2" -0/+ .005"

(Stainless and Brass supplied with undersize tolerance)



Size

Square (in.)

- 1/16
- 3/32
- 1/8
- 5/32
- 3/16
- 7/32
- 1/4
- 9/32
- 5/16
- 11/32
- 3/8
- 7/16
- 1/2
- 9/16
- 5/8
- 11/16
- 3/4
- 13/16
- 7/8
- 15/16
- 1
- 1-3/16
- 1-1/4
- 1-3/8
- 1-1/2
- 2

ASSORTMENTS - KEY BARS

NO. OF 12" BARS

1/8" Square	5
3/16" Square	5
1/4" Square	5
5/16" Square	5
3/8" Square	5
7/16" Square	3
1/2" Square	3
TOTAL BARS	31



Regular size welded, grey-enamelled
 STEEL Drawers will fit the slide racks
Shipping Weight 14 Lbs.

METRIC ALSO AVAILABLE

ROUND BAR STOCK

STEEL - COLD DRAWN

Zinc Plated Finish

Made from special bar-quality open-hearth steel. Can be cut, riveted and drilled. (Not Tool Steel grade).

Tolerances will run plus .000" to minus .002".



12" Lengths

36" Lengths

12" Lengths			36" Lengths		
Square (in.)	(mm)	Qty.	Size	Metric	Unit
Square (in.)	(mm)	Qty.	Square (in.)	(mm)	Qty.
3/16	4.763	10	3/16	4.763	10
1/4	6.350	10	1/4	6.350	10
5/16	7.938	10	5/16	7.938	5
3/8	9.525	10	3/8	9.525	5
7/16	11.113	5	7/16	11.113	5
1/2	12.700	5	1/2	12.700	5
5/8	15.875	3	5/8	15.875	1
3/4	19.050	3	3/4	19.050	1
7/8	22.225	3	7/8	22.225	1
1	25.400	3	1	25.400	1

Keep plenty on hand. Use for making arbors, axles, drive-shafts, mandrels, punches, knock-out pins, dowel pins, etc.

Tensile Strength: 65/75,000 lbs. per sq. inch
 Yield: 50/60,000 lbs. per sq. inch.
 Elongation in 2" 20/30%
 Rd. of area 50/60%
 Brinell Hardness 147 AVG.

ASSORTMENTS - ROUND BAR

NO. OF 12" BARS

3/16	6
1/4	5
5/16	4
3/8	4
7/16	3
1/2	2
5/8	1
3/4	1
7/8	1
1	1
TOTAL BARS	28



Regular size welded, grey-enamelled
 STEEL Drawers will fit the slide racks
Shipping Weight 22-1/2 Lbs.

GEAR-TYPE HOSE CLAMPS

**HS SERIES
and HAS SERIES**



I.D. (in.)	I.D. Range (in.)	I.D. Metric (mm)
5/16	1/4 - 5/8	6-16
3/8	5/16 - 7/8	8-22
1/2	7/16 - 1	11-25
5/8	9/16 - 1-1/16	14-27
3/4	9/16 - 1-1/4	14-32
1	11/16 - 1-1/2	17-38
1-1/4	3/4 - 1-3/4	19-44
1-1/2	1-1/16 - 2	27-51
1-3/4	1-5/16 - 2-1/4	33-57
2	1-9/16 - 2-1/2	40-63
2-1/4	1-13/16 - 2-3/4	46-70
2-1/2	2-1/16 - 3	52-76
2-3/4	2-5/16 - 3-1/4	59-82
3	2-9/16 - 3-1/2	65-89
3-1/4	2-13/16 - 3-3/4	71-95
3-1/2	3-1/16 - 4	78-101
3-3/4	3-5/16 - 4-1/4	84-107
4	2-1/2 - 4-1/2	64-114
4-1/2	4-1/16 - 5	103-127
5-1/4	4-15/16 - 5-3/4	125-146
5-1/2	4-1/16 - 6	104-152
6	4-1/2 - 6-1/2	114-165
6-1/2	5 - 7	127-178
8	6-1/2 - 8-1/2	165-216
9-1/2	8 - 10	203-254
12-1/2	11 - 13	280-330
14	12-1/2 - 14-1/2	318-368

ASSORTMENT GEAR-TYPE HOSE CLAMPS HS SERIES & HAS SERIES

**10 Sizes -
58 Clamps**



To fit hose sizes ranging from 7/32" to 4-1/2" diameter.
Priced Singly

Put up in Grey enameled STEEL Drawer,
with hinged lid and "Adjusta-bins".

Shipping Weight 9-3/4 Lbs.

HS SERIES

301 Stainless Steel band and housing
with a 1018 Steel, case-hardened, zinc
plated & chromate treated screw.

HAS SERIES

"ALL STAINLESS"

301 Stainless Steel band and housing
with a 305 Stainless Steel screw.

PHONE FOR PRICE & AVAILABILITY



2-EAR CLAMPS (OETIKER)

1008 Carbon Steel Tubing, Zinc Plated or
300 Series Stainless Steel Tubing



Nominal Size (in.)	Inches		mm		Width		Thickness		Inner Width of Ear	
	Closed-Open	Closed-Open	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
5/32"	.122-.161	3.1-4.1	.138	3.5	.0197	0.5	.0591	1.5		
11/64	.138-.177	3.5-4.5	.138	3.5	.0236	0.6	.0591	1.5		
3/16	.118-.197	3-5	.197	5.0	.0276	0.7	.0980	2.5		
1/4	.197-.276	5-7	.236	6.0	.0276	0.7	.118	3.0		
5/16	.276-.354	7-9	.276	7.0	.0394	1.0	.126	3.2		
3/8	.315-.433	8-11	.276	7.0	.0394	1.0	.177	4.5		
1/2	.433-.512	11-13	.276	7.0	.0394	1.0	.138	3.5		
9/16	.512-.591	13-15	.295	7.5	.0394	1.0	.158	4.0		
19/32	.591-.669	15-17	.315	8.0	.0473	1.2	.197	5.0		
5/8	.591-.708	15-18	.315	8.0	.0473	1.2	.197	5.0		
3/4	.669-.787	17-20	.335	8.5	.0473	1.2	.236	6.0		
13/16	.748-.866	19-22	.354	9.0	.0591	1.5	.256	6.5		
7/8	.787-.905	20-23	.354	9.0	.0591	1.5	.256	6.5		
15/16	.866-.984	22-25	.394	10.0	.0591	1.5	.256	6.5		
1	.905-1.063	23-27	.394	10.0	.0591	1.5	.276	7.0		
1-1/16	.984-1.102	25-28	.394	10.0	.0591	1.5	.256	6.5		
1-1/8	1.063-1.220	27-31	.394	10.0	.0591	1.5	.295	7.5		
1-5/16	1.220-1.339	31-34	.394	10.0	.0591	1.5	.295	7.5		
1-7/16	1.339-1.457	34-37	.394	10.0	.0591	1.5	.315	8.0		
1-1/2	1.457-1.575	37-40	.394	10.0	.0591	1.5	.315	8.0		
1-5/8	1.575-1.693	40-43	.394	10.0	.0591	1.5	.335	8.5		
1-3/4	1.693-1.811	43-46	.394	10.0	.0591	1.5	.335	8.5		

Oetiker 2-Ear Clamps are especially suited for factory maintenance or heavily vibrating equipment. This is a medium pressure clamp widely used for maintenance and OEM applications. Rubber hose, plastic tubing, coaxial and electrical cable, rope etc. are all easily clamped. These clamps are installed on air, fluid gas and steam lines. The one piece design offers a positive, tamper-proof seal without damage to the hose. Oetiker 2-Ear Clamps assure adequate closure and compensate for tolerance variations in hose sizes. Closing both ears builds strength into the clamp in spring-like action to hold against pressure, vibrations and hose shrinkage due to temperature changes or aging. Also suitable for lowpressure hydraulic applications.

INSTALLATION PINCERS



STANDARD JAW PINCERS



SIDE JAW PINCERS

**BOTH ARE
SINGLY
PRICED**

This dual purpose side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose. Also used like Standard Pincers.

An incorrectly made installation may impair the best connection. A clamp installed too tightly can collapse or deform the parts to be connected or can cut the material to be clamped, thus causing leakage.

When the clamp ears can be closed all the way, the clamp size selected is normally too big and the next smaller size clamps should be ordered. Installation: when installing Oetiker 2-Ear Clamps, close first ear, then the second. Once second ear is closed, first one opens up slightly and may be squeezed again. Each Clamp ear should not be squeezed more than twice.

HOW TO APPLY:



Position clamp on hose as illustrated.



Give each ear a firm squeeze with your OETIKER Pincers



Where access to ear is difficult, use OETIKER's Side Jaw Pincers Model 876-853

HOW TO REMOVE:



Grip the outer edge of ear firmly and cut through it with either pincers.



Cut the ear by taking several small bites at its base with either pincers.



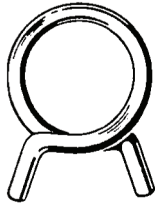
Then grip ear firmly and twist it off.

SPRING-GRIP HOSE CLAMPS

SPRING STEEL, ZINC PLATED
Dichromate Finish - Colour at Our Option

Use T-428 Hose Clamp Pliers

Hose Size O.D. (in.)	Wire Dia. (in.)
5/16	.062
5/16	.083
3/8	.083
7/16	.088
1/2	.093
9/16	.093
5/8	.108
11/16	.112
3/4	.112
13/16	.118
7/8	.122
15/16	.122
1	.132
1-1/16	.142



HOSE CLAMP PLIERS

For removing or installing self-tightening wire hose clamp.

PRICED SINGLY

Hose Size O.D. (in.)	Wire Dia. (in.)
1-1/8	.152
1-3/16	.152
1-1/4	.105
1-1/4	.152
1-5/16	.162
1-3/8	.162
1-1/2	.162
1-5/8	.172
1-3/4	.172
1-15/16	.177
2-1/8	.182
2-3/16	.182
2-1/4	.182
2-5/8	.202



BAND CLAMP

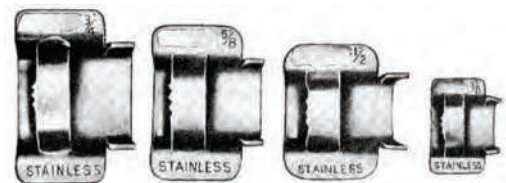
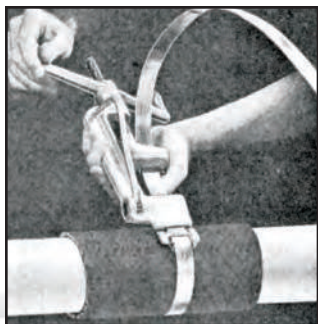
MAKES ANY SIZE CLAMP

Tackle any job - any diameter pipe or hose from 30 feet down to 1/2 inch.



T-244 BAND CLAMP TOOL

Made from chromo-vanadium dropforged steel, with machine threaded Tension Screw. Finish is specially treated to resist corrosion.



Buckles are supplied in appropriate sizes to fit the band widths.

All parts packed separately. Be sure to order BUCKLES, as required, for use with BAND stock.

201 Stainless Steel & Hi-Carbon (Plated)

Band Width (in.)	Qty.
1/4	Band Stock
3/8	All Sizes
1/2	100 ft.
5/8	All Buckles
3/4	100 Only

Band Clamp is made in 100 ft. rolls of both Stainless Steel and Hi-carbon Steel.

Sturdy Beam Clamps



The Fastener Group offers a variety of different beam clamps. They come in various sizes to fit a wide array of projects. They've been tested in our lab to handle pounds from 2,000 to 3,480. These beam clamps can be used in support of sprinkler systems and other suspended ceiling hardware.

Catalog ID	Size	Pkg.	Lab Pull Test	Rec. Load 5-1 Safety
BC-14	1/4	100	2,000 lbs	400 lbs
BC-38	3/8	100	2,000 lbs	400 lbs
BC-HD	3/8	100	3,300 lbs	660 lbs
BC-12	1/2	50	3,480 lbs	696 lbs

Ceiling Flanges



We offer various sizes that can hold weights up to 3,300 lbs. You can use ceiling flanges in conjunction with threaded rods. Mount our ceiling flanges to any type of surface. They have been tested to hold steady no matter where they're attached. You can hang items like security cameras, smoke detectors, fire alarms, and other devices.

Catalog ID	Size	Pkg.	Lab Pull Test	Rec. Load 5-1 Safety
CF-14	1/4	100	2,800 lbs	560 lbs
CF-38	3/8	100	3,300 lbs	660 lbs
CF-12	1/2	100	3,300 lbs	660 lbs

Preset Inserts



These inserts are the strongest, fastest, and most economical concrete anchors on the market today. The preset inserts will not corrode because the flanged steel insert is completely enclosed from moisture. No stress will be placed on the concrete like drop-ins which are expanded by putting pressure on the side of the drilled holes. You won't have any chance of drilling into prestressed cables. The tapered nylon body of these inserts gives a larger holding area in the concrete compared to other drop-ins. Other benefits of our preset inserts include:

- Faster Lay Out
- Minimum Tool Requirement
- Multiple Sizes
- No Anchor Failure Due to Improper Setting

Catalog ID	Size	Pkg.	Lab Pull Test	Rec. Load 5-1 Safety
UPI-14	1/4	500	2,800 lbs	560 lbs
UPI-38	3/8	500	4,300 lbs	860 lbs
UPI-12	1/2	250	4,800 lbs	960 lbs
UPI-58	5/8	100	9,500 lbs	1,900 lbs
UPI-34	3/4	100	9,500 lbs	1,900 lbs

Q-Deck Hangers



The A.T.K. Q-Deck Hanger is the only hanger on the market designed to suspend threaded rod from the Q-Deck. It's the fastest, most economical way to hang plumbing pipe, light fixtures, sheet metal duct, display fixtures, and more from a Q-Deck. The Q-Deck Hanger eliminates unsightly holes chiseled or punched in the side of the Q-Deck, weakening the deck. With the Q-Deck Hanger, you can keep damage to roof insulation to a minimum.

The A.T.K. Q-Deck Hanger can be used as a preinsert in concrete when used on top of deck, by threading the rod up 2 1/2" and putting a hex knot on the rod, where there is concrete poured on top of the Q-Deck. Lab tests on a 23 gauge Q-Deck with 10 x 3/4 tek screws show the Q-Deck slotted at the screws' holes at 1,130 lbs on the bottom and 1,570 lbs on the top. Recommended loads at a 4-1 safety factor are 285 lbs on the bottom and 390 lbs on top.

Catalog ID	Size	Pkg.	Lab Pull Test	Rec. Load 5-1 Safety Top	Rec. Load 5-1 Safety Bottom
QD-14	1/4	100	1,570 lbs	314 lbs	226 lbs
QD-38	3/8	100	1,570 lbs	314 lbs	226 lbs
QD-12	1/2	50	4 hole		





POP 5052 Aluminum Body/Aluminum Mandrel – Domed Head – Finish: Plain/Plain



HOW TO ORDER POP BLIND RIVETS. OPEN-END RIVETS - EXAMPLE AD610ABSLF

Rivet Body Material	Head Style	Rivet Diameter	Max. Grip	Mandrel Material & Design	Special Features
A Aluminum C Copper M Monel S Carbon Steel SS Stainless Steel PA Soft Set Aluminum	D Dome Head K Countersunk	In 32nds of an inch. Example: 6 equals 6/32" or 3/16" body diameter.	In 16th of an inch. Example: 10 equals 10/16" or 5/8" maximum grip range.	ABS Aluminum Break Mandrel BS Carbon Steel Break Mandrel SSBS Stainless Steel Break Mandrel	LF Designates large flange

Nominal Rivet Diameter	(L) Nominal Rivet Body Length	(F) Nominal Blind Side Protrusion	 Grip Range
In. (mm)	In. (mm)	In. (mm)	In. (mm)
3/32 (2.4)	.225 (5.7)	.325 (8.3)	.032-.125 (1.6-3.2)
	.350 (8.9)	.450 (11.4)	.126-.250 (3.2-6.4)
	.475 (12.1)	.575 (14.6)	.251-.375 (6.4-9.5)
1/8 (3.2)	.188 (4.8)	.308 (7.8)	.032-.062 (1.6-2.5)
	.250 (6.4)	.370 (9.4)	.063-.125 (2.5-3.2)
	.313 (8.0)	.433 (11.0)	.126-.187 (3.2-4.8)
	.375 (9.5)	.495 (12.6)	.188-.250 (4.8-6.4)
	.438 (11.1)	.558 (14.2)	.251-.312 (6.4-7.9)
	.500 (12.7)	.620 (15.7)	.313-.375 (7.9-9.5)
	.625 (15.9)	.745 (18.9)	.376-.500 (9.5-12.7)
	.750 (19.1)	.870 (22.1)	.501-.625 (12.7-15.9)
5/32 (4.0)	.275 (7.0)	.415 (10.5)	.063-.125 (2.5-3.2)
	.338 (8.6)	.478 (12.1)	.126-.187 (3.2-4.8)
	.400 (10.2)	.540 (13.7)	.188-.250 (4.8-6.4)
	.525 (13.3)	.665 (16.9)	.251-.375 (6.4-9.5)
	.650 (16.5)	.790 (20.1)	.376-.500 (9.5-12.7)
	.775 (19.7)	.915 (23.2)	.501-.625 (12.7-15.9)

Nominal Rivet Diameter	(L) Nominal Rivet Body Length	(F) Nominal Blind Side Protrusion	 Grip Range
In. (mm)	In. (mm)	In. (mm)	In. (mm)
3/16 (4.8)	.300 (7.6)	.460 (11.7)	.063-.125 (1.6-3.2)
	.425 (10.8)	.585 (14.9)	.126-.250 (3.2-6.4)
	.550 (14.0)	.710 (18.0)	.251-.375 (6.4-9.5)
	.675 (17.2)	.835 (21.2)	.376-.500 (9.5-12.7)
	.800 (20.3)	.960 (24.4)	.501-.625 (12.7-15.9)
	.925 (23.5)	1.085 (27.6)	.626-.750 (15.9-19.1)
	1.051 (26.7)	1.210 (30.7)	.751-.875 (19.1-22.2)
	1.175 (29.9)	1.335 (33.9)	.876-1.00 (22.2-25.4)
1/4 (6.4)	.350 (8.9)	.585 (14.9)	.062-.125 (1.6-3.2)
	.475 (12.1)	.710 (18.0)	.126-.250 (3.2-6.4)
	.600 (15.2)	.835 (21.2)	.251-.375 (6.4-9.5)
	.725 (18.4)	.960 (24.4)	.376-.500 (9.5-12.7)
	.850 (21.6)	1.085 (27.6)	.501-.625 (12.7-15.9)
	.975 (24.8)	1.210 (30.7)	.626-.750 (15.9-19.1)
	1.100 (27.9)	1.335 (33.9)	.751-.875 (19.1-22.2)
	1.225 (31.1)	1.460 (37.1)	.876-1.00 (22.2-25.4)

Materials and Finishes

Catalog ID	Rivet Body Material	Finish	Mandrel Material	Finish
AD**ABS	5052 Aluminum	Plain	Aluminum	Plain
PAD**ABS	1100 Aluminum	Plain	Aluminum	Plain
AD**BS	5056 Aluminum	Plain	Carbon Steel	Plain
CD**BS	110 ETP Copper	Plain	Carbon Steel	Plain
SD**BS	C1006-1010 Steel	Zinc	Carbon Steel	Plain
SSD**BS	300 Series SS	Plain	Carbon Steel	Plain
SSD**SSBS	300 Series SS	Plain	300 Series SS	Plain

** Insert rivet number when ordering, such as AD 32 ABS, etc.

POP® Professional Hand Plier



POP®

- Sets all rivets up to 3/16" (4.8mm)
- Professional grade
- Contoured handle grips
- Rivet retaining handle
- Robust construction
- Supplied with 4 nosepieces and wrench

Catalog ID

PS15

POP® Lazy Tong Rivet Tool



POP®

- PS20 Lazy Tong Rivet Tool
- Professional grade
 - Sets Stainless Steel rivets up to 3/16" (4.8mm)
 - Sets Aluminum rivets up to 1/4" (6.4mm)
 - Supplied with 5 nosepieces and wrench

- PS25 Heavy Duty Lazy Tong Rivet Tool
- Heavy duty grade
 - Sets all rivets up to 1/4" (6.4mm) including high strength

Catalog ID

PS20

PS25

POP® Lever Rivet Tool



POP®

- PS40 Lever Rivet Tool
- Long lever tool for optimum pulling force
 - Professional standard
 - Sets Stainless Steel rivets up to 3/16" (4.8mm)
 - Sets Aluminum rivets up to 1/4" (6.4mm)
 - Integral removable mandrel collector
 - Supplied with 5 nosepieces and wrench

- PS45 Heavy Duty Lever Rivet Tool
- Heavy duty grade
 - Sets all rivets up to 1/4" (6.4mm) including high strength

Catalog ID

PS40

PS45

POP® ProSet® 1600



POP®

- Great power in a reliable, lightweight and compact rivet tool
- Capable of setting from 2.0mm to 5/32" (4.0 mm) rivets
 - Lightweight polymer construction 2.29 lb. (1.04kg)

Catalog ID

PS1600

POP® ProSet® 2500



POP®

- The new standard for pneumatic rivet tools
- Capable of setting from 3/32" (2.4/3.0mm) Aluminum Rivets to 3/16" (4.8/5.0mm) Stainless Steel Rivets
 - Lightweight polymer construction 2.89 lb. (1.31kg)
 - Quick Disconnect front-end assembly

Catalog ID

PS2500

POP® PRG510A / MCS510A



POP®

- Robust, heavy duty pneumatic riveting tool for setting up to 3/16" (4.8mm) aluminum rivets.
- Available in standard style with deflector (PRG) or equipped with Mandrel Collection System (MCS).

Catalog ID

PRG510A / MCS510A

POP® PRG540 / MCS540



POP®

- Robust, heavy duty pneumatic hydraulic riveting tool for setting the full range of POP® rivets.

Catalog ID

PRG540 / MCS540

Stainless Steel Piano Hinges



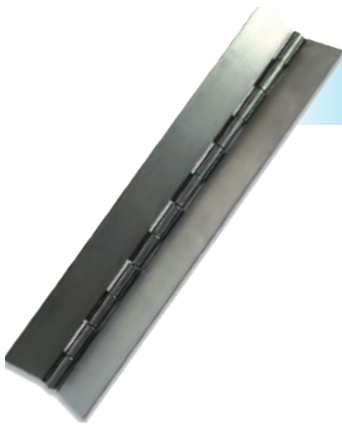
Item #	Gauge	Length	Open Width
1442A00SS	0.030"	72"	0.75"
1442B00SS	0.030"	72"	1"
1419D00SS	0.037"	72"	1.25"
1416D00SS	0.060"	72"	1.25"
1416E00SS	0.060"	72"	1.5"
1416G00SS	0.060"	72"	2"
1416H00SS	0.060"	72"	2.5"
1416J00SS	0.060"	72"	3"

Nickel Plated Piano Hinges



Item #	Gauge	Length	Open Width
1122C01NP	0.030"	72"	1.063"
1122D01NP	0.030"	72"	1.25"
1119E04NP	0.040"	72"	1.5"
1119G04NP	0.040"	72"	2"
1116E88NP	0.060"	72"	1.5"
1116G03NP	0.060"	72"	2"
1116H04NP	0.060"	72"	2.5"
1116J03NP	0.060"	72"	3"

Plain Steel Piano Hinges



Item #	Gauge	Length	Open Width
1142A00PS	0.030"	72"	0.75"
1142B00PS	0.030"	72"	1"
1116D00PS	0.060"	72"	1.25"
1116E00PS	0.060"	72"	1.5"
1116G00PS	0.060"	72"	2"
1116H00PS	0.060"	72"	2.5"
1116J00PS	0.060"	72"	3"

Also available with Brass Pin

Many other sizes, styles and finishes available!



CADDY® Electrical box hanger - 24" span

CADDY



- Dual height feature permits 1-1/2" deep electrical box to be mounted flush with tile or off-set 3/4" for plaster ring
- Hanger comes complete with box mounting clip and 1/4-20 screw
- Not permitted for paddle fans
- Not to exceed 20 lbs. without independent wire support to CHB.
- Snaps easily onto tee bar
- Supports from acoustical tee bar as well as main structure with the use of a drop wire

Catalog ID Size

512
512TC

CADDY® Screw Gun Box Bracket: SGB16A

CADDY



- Can be preassembled by the contractor to allow for greater productivity at the job site
- Preset for studs 16" or 24" on center

Catalog ID Size

SGB16A

CADDY® Low Voltage Mounting Bracket For New Construction: MP1S

CADDY



- Attaches with self-tapping screws or nails
- May be installed to the front or the side of the metal or wood stud
- Provides a bracket for mounting low voltage Class 2 communication outlets
- Reduces bulges in the dry wall caused by plaster rings
- Side support provides for a rigid installation
- Works with 1/2" and 5/8" dry wall
- Bendable tabs provide cable tie off for 3/4" conduit stubbing

Catalog ID Size

CADDY® Mounting Plate Brackets (Non-Metallic)

CADDY



- No sharp metal edges with plastic design
- Fast, easy way to install
- No installation tools required to secure bracket in the drywall opening
- Serrated interlocking system secures tightly
- Template points on brackets help eliminate multiple measurement markings during installation
- Recessed design helps assure flush mount of device
- Only CADDY® provides the industry with the widest application range 1/4" to 1 1/4" wall thickness
- Available in single gang, double gang and a unique 3-4 gang sizes
- Eliminates the need for electrical boxes on low voltage class 2 applications

Catalog ID Description Std Pkg Qty

MP1P	Non-Metallic Single gang mounting plate	100
MPAL2	Non-Metallic double gang mounting plate	100
MP34P	Non-Metallic 3 or 4 gang mounting plate	2

CADDY® TPC Tube & Pipe Clamp

CADDY



- Quick positioning of pipe and tube
- Clamps any pipe, tube, conduit or wire from 3/8" OD through 2-3/8" OD
- Strong, UV resistant Nylon 66 works as an insulator
- Releasable locking mechanism
- Permits horizontal and vertical positioning of pipe/tube
- Perfect for jobs where many different pipe and tube sizes are used
- Can be used for indoor and outdoor applications

Catalog ID Description Std Pkg Qty

TSGB16	16" Adjustable screw gun bracket	
TSGB24	24" Adjustable screw gun bracket	
TPC112	Tube and pipe clamp 3/8" thru 1-1/8"	
TPC238	Tube and pipe clamp 5/8" thru 2-3/8"	
TSGB16112	Kit - includes (25) 16" adjustable screw gun bracket & (50) TPC112	
TSGB24112	Kit - includes (25) 24" adjustable screw gun bracket & (50) TPC112	
TSGB16	Telescoping Screw Gun Bracket 11" to 18" Stud Spacing	50
TSGB1624	Telescoping Screw Gun Bracket 15-3/4" to 25" Stud Spacing	50
TSGB24	Telescoping Screw Gun Bracket 17" to 26" Stud Spacing	50

CADDY® ROD HANGERS (TI): 6TI24

CADDY



- Installation: Hammer over the flange, insert rod, and adjust to desired length
- Used to support 3/8" threaded rod from beam flanges 1/8" thru 1/4" thick

Catalog ID	Size
6TI24	

CADDY® Rod/Hanger Connector: 365M0037EG

CADDY



- Size Range: 3/8" or 1/2" rod sizes
- Structural attachment to support hanger rod from a ceiling or a wall
- Surface Finish: Electro-zinc plated, Black, Copper-colored coating (for identification purposes only)

Catalog ID	Size	Description
365M0037EG		

CADDY® Mounting Plate Brackets (Metallic): EZ101

CADDY



- Used only in Canada

Catalog ID	Size	Description
EZ101		

CADDY® SLICK Strut Nut

CADDY



- Quick attachment of threaded rod and hardware to all standard strut - regardless of depth
- Unique one-piece design simply toggles into place and eliminates the need for a washer
- Integrated plastic strip provides tension to grip the strut, even vertically
- Easy to use and installs with just one hand
- Can be installed in any position and is re-useable and adjustable

Catalog ID	Size
SLICK250	1/4 - 20
SLICK375	3/8 - 16
SLICK500	1/2 - 13

CADDY® Hammer-On Flange Clip

CADDY

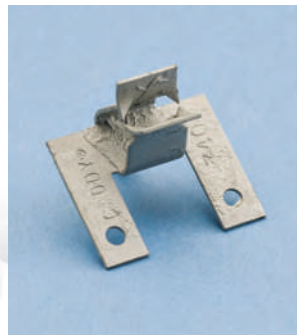


- When used with CADDY combination conduit hanger, the conduit run lines up with "knock-outs" in outlet box and eliminates offsets and bends
- Provided with a 1/4"-20 thread impression so that the box may be quickly and securely attached to the clamp
- Also available with a staked stud, 1/4"-20 x 3/8" to provide easier attachment of outlet boxes to beams - eliminates having to use loose screws
- The CADDY combination washer-wing nut (Cat. No. 4WN) can be used to attach box. (Not included.)

Catalog ID	Size	Std Box Qty
M24	1/8"-1/4"	100
M58	5/16"-1/2"	100
M912	9/16"-3/4"	100
M24S	1/8"-1/4"	100
M58S	5/16"-1/2"	100
M912S	9/16"-3/4"	100

CADDY® Pipe Sleeve Positioner 740

CADDY



- Pipe Sleeve Clip for Pipes with Wall Thicknesses 5/16" and under
- Size Range: Less than 5/16" wall thickness
- Used to position pipe sleeves and prevent movement during concrete pours
- Requires only a hammer to install
- Sleeve Diameter: Sch. 40 2" (min)-6" (max); Sch. 80 2" (min)-3" (max).

Catalog ID	Std Pkg Qty
740	100

CADDY® One-Piece Strut Clamp

CADDY



- Minimizes dropped parts and increases efficiency
- Handles heavy loads
- Installs with a screwdriver or a nut driver
- Available in various materials and finishes
- Alternative to traditional 4-piece hardware
- Models available for Rigid, EMT, copper, PVC/CPVC

Catalog ID	Pipe Size Nominal	O.D.	Load (lbs.)	Std Box Qty
RIGD0050XX*	1/2"	0.840	400	100
RIGD0075XX*	3/4"	1.050	400	100
RIGD0100XX*	1"	1.315	600	100
RIGD0125XX*	1-1/4"	1.660	600	100
RIGD0150XX*	1-1/2"	1.900	800	100
RIGD0200XX*	2"	2.375	800	100
RIGD0250XX*	2-1/2"	2.875	800	100
RIGD0300XX*	3"	3.500	800	100
RIGD0350XX*	3-1/2"	4.000	1000	100
RIGD0400XX*	4"	4.500	1000	100

Catalog ID	Fig No.	EMT/Rigid	Static Load	Std Box Qty		
Mild Steel	Aluminum*	Mild Steel	Aluminum			
SK85I	SK8ALA	1	1/2"	200lbs	150	100
SK125I	SK12ALA	1	3/4"	200lbs	150	100
SK165I	SK16ALA	1	1"	200lbs	150	100
SK205I	SK20ALA	1	1-1/4"	200lbs	150	100
SK245I	SK24ALA	1	1-1/2"	200lbs	150	50
SK325I	SK32ALA	1	2"	200lbs	150	50
SK405I	SK40ALA	2	2-1/2"	350lbs	200	50
SK485I	SK48ALA	2	3"	350lbs	200	50
SK565I	SK56ALA	2	3-1/2"	350lbs	200	25
SK645I	SK64ALA	2	4"	350lbs	200	25

CADDY® ROD LOCK Beam Clamp

CADDY



- Works with slightly damaged threads and minor burrs on the threaded rod
- Reduces installation time up to 60%
- Load capacity up to 500 lbs (3/8" rod) or 2200 N (M10 rod) - depending on flange thickness
- UL 203 & UL 2239 Approved
- FM Approved
- Electro-galvanized finish
- 3:1 Safety Factor

Catalog ID	Size
CRLB37EG	
390001	
390002	

CADDY® Spring Steel Beam Clamps

CADDY



- Eliminates offset bending conduit
- BCISN375 has built-in smart nut which snaps directly onto 3/8-16 threaded rod, is adjustable and removable, and eliminates extensive "threading" into place
- Easy installation to beam flanges up to 1/2"
- Accommodates standard 1/4-20 or #10-24 threaded bridle rings
- Supports 1/4" and 3/8" threaded rod, S-hooks, electrical boxes, conduit and bridle rings

Catalog ID	Description	Std Box Qty	Std Pkg Qty
BC	Beam clamp through 1/2" flange	100	100
BCISN375	Beam clamp through 1/2" flange with 3/8-16 Smart Nut	100	100
BC812M	1/2" or 3/4" conduit to beam through 1/2" flange	100	100
BC16M	1" conduit to beam through 1/2" flange	100	100
BC20M	1 1/4" conduit to beam through 1/2" flange	100	100
BC24M	1 1/2" conduit to beam through 1/2" flange	100	50
BC32M	2" conduit to beam through 1/2" flange	100	50
BC812MSM	1/2" or 3/4" conduit to beam through 1/2" flange, side mount	25	100
BC16MSM	1" conduit to beam through 1/2" flange, side mount	25	100
BC20MSM	1 1/4" conduit to beam through 1/2" flange, side mount	25	100
BC24MSM	1 1/2" conduit to beam through 1/2" flange, side mount	25	50
BC32MSM	2" conduit to beam through 1/2" flange, side mount	25	50
BC8P	1/2" conduit to beam through 1/2" flange	25*	100
BC12P	3/4" conduit to beam through 1/2" flange	25*	100
BC16P	1" conduit to beam through 1/2" flange	25*	100
BC8PSM	1/2" conduit to beam through 1/2" flange, side mount	15*	100
BC12PSM	3/4" conduit to beam through 1/2" flange, side mount	15*	100
BC16PSM	1" conduit to beam through 1/2" flange, side mount	15*	100

CADDY® “Twist On” Fixture Support

CADDY



- Supports electrical fixtures from acoustical tee bar 9/16", 15/16" or 1-1/2" wide
- 1/4-20 stud – 5/8", 1-1/2", 2" or 3" long
- Washer-wing nut (4WN) included
- No tools required for installation

Catalog ID	Description	Static Load	Stud Length	Std Pkg Qty
4G16	For 15/16" tee with 4WN	50 lbs	5/8 in	100

CADDY® “Z” Purlin Clips

CADDY



- Hammer-on clip compensates for angle of purlin
- Provides method for attaching conduit and boxes to purlin

Catalog ID	Description	Std Pkg Qty
1226TI	For 3/8" threaded rod to Z purlin	100
1226T	For 1/4" and 3/8" threaded rod to Z purlin, nuts required	100

CADDY® SN Series Nut

CADDY



- Reduces the need for threading compared to standard nuts and washers
- Offers up to 50% installation time savings
- Ideal for retrofit projects, such as trapeze installations (simply add on as needed)
- Can be used on threaded rod with slightly damaged threads or minor burrs
- Load rating is stronger than the threaded rod itself

Catalog ID	Description	Static Load	Std Pkg Qty
SN25	1/4" SN Series Nut	500 lbs	100
SN37	3/8" SN Series Nut	1,350 lbs	100
SN50	1/2" SN Series Nut	2,250 lbs	100

CADDY® Clevis Hangers - Full Range

CADDY



- Recommended for the suspension of stationary non-insulated pipe lines
- Available in a variety of finishes and sizes depending on the type of piping being supported
- UL® listed and FM® approved models available for fire protection applications
- Conform with MSS SP-58 and Federal Specifications WW-H-171

Catalog ID	Nominal Pipe Size	RS	A	B	Std Pkg Qty
4010050EG	1/2"	3/8	2-1/8"	1-5/8"	610
4010075EG	3/4"	3/8	2-3/8"	1-3/4"	610
4010100EG	1"	3/8	2-3/4"	2-1/16"	610
4010125EG	1-1/4"	3/8	3-5/16"	2-3/8"	610
4010150EG	1-1/2"	3/8	3-15/16"	2-15/16"	610
4010200EG	2"	3/8	4-1/2"	3-1/4"	610
4010250EG	2-1/2"	1/2	5-1/4"	3-3/4"	1130
4010300EG	3"	1/2	6"	4-1/8"	1130
4010350EG	3-1/2"	1/2	6-1/2"	4-7/16"	1130
4010400EG	4"	5/8	7-3/4"	5-3/8"	1130
4010500EG	5"	5/8	9-3/4"	6-13/16"	1430
4010600EG	6"	3/4	11-3/4"	8-1/4"	1940
4010800EG	8"	3/4	14"	9-1/2"	2000
4011000EG	10"	7/8	16-1/2"	10-7/8"	3600
4011200EG	12"	7/8	18-5/8"	12"	3800
4011400EG	14"	1	21-3/4"	14-1/2"	4200
4011600EG	16"	1	24"	15-3/4"	4600
4011800EG	18"	1-1/8	26-3/4"	17-1/2"	4800
4012000EG	20"	1-1/4	30"	19-5/8"	4800
4012400EG	24"	1-1/4	34-1/8"	21-3/4"	4800

CADDY® Hammer-On Plain and Threaded Rod Hangers Beam Clamps

CADDY



- Used to suspend #8 wire, 1/4", 3/8" plain rod or 1/4" or 3/8" threaded rod from beam flanges 1/8" to 3/4" thick

Catalog ID	Flange Thickness	Rod Size	Std Pkg Qty
4TI58	5/16 to 1/2	1/4-20	100
6TI24	1/8 to 1/4	3/8-16	100
6TI58	5/16 to 1/2	3/8-16	100
6TI912	9/16 to 3/4	3/8-16	100

CADDY® SPEED LINK Hanging System

CADDY



- Size Range: 0.079" and 0.118" wire rope
- Surface Finish: Stainless Steel/Galvanized Steel
- Universal support system recommended for the suspension of ductwork, piping or equipment
- Tested and found to be acceptable alternative to the duct hanger systems prescribed in the SMACNASM HVAC Duct Construction Standards (HVAC-DCS), 2nd Edition, Chapter 4, Tables 4-1, 4-1M, 4-2 and 4-2M
- Meets the fire rating requirements for DIN 4102-2 for 30 minutes at 30% of rated load
- 5:1 Safety Factor
- Eliminates threaded rod and associated hardware
- Reduces installation time
- Quickly installs as a stand-alone hanging system without drilling into the building structure
- Increases installation versatility
- Allows for easy adjustments of supported objects during and after installation with a unique locking device

Catalog ID	Wire Rope Size	Wire Rope Length	Std Pkg Qty	Max. Working Load (lbs)
SLD2L1	0.079 in (2 mm)	3.3 ft (1 m)	100	100 lbs (45 kg)
SLD2L2	0.079 in (2 mm)	6.6 ft (2 m)	100	100 lbs (45 kg)
SLD2L3	0.079 in (2 mm)	9.9 ft (3 m)	100	100 lbs (45 kg)
SLD2L5	0.079 in (2 mm)	16.4 ft (5 m)	50	100 lbs (45 kg)
SLD2L10	0.079 in (2 mm)	32.8 (10 m)	25	100 lbs (45 kg)
SLD3L1	0.118 in (3 mm)	3.3 ft (1 m)	100	200 lbs (90 kg)
SLD3L2	0.118 in (3 mm)	6.6 ft (2 m)	100	200 lbs (90 kg)
SLD3L3	0.118 in (3 mm)	9.9 ft (3 m)	50	200 lbs (90 kg)
SLD3L5	0.118 in (3 mm)	16.4 ft (5 m)	50	200 lbs (90 kg)
SLD3L10	0.118 in (3 mm)	32.8 (10 m)	25	200 lbs (90 kg)
<i>Individually Packaged</i>				
SLD2L1BP	0.079 in (2 mm)	3.3 ft (1 m)	100	100 lbs (45 kg)
SLD2L2BP	0.079 in (2 mm)	6.6 ft (2 m)	100	100 lbs (45 kg)
SLD2L3BP	0.079 in (2 mm)	9.9 ft (3 m)	100	100 lbs (45 kg)
SLD3L2BP	0.118 in (3 mm)	6.6 ft (2 m)	100	200 lbs (90 kg)
SLD3L3BP	0.118 in (3 mm)	9.9 ft (3 m)	50	200 lbs (90 kg)
<i>Stainless Steel</i>				
SLD3L2SS	0.118 in (3 mm)	6.6 ft (2 m)	100	200 lbs (90 kg)
SLD3L3SS	0.118 in (3 mm)	9.9 ft (3 m)	50	200 lbs (90 kg)

CADDY® Hammer-On Flange Clip - Universal

CADDY



- When used with a CADDY® brand combination conduit hanger, the conduit run lines up with "knockouts" in outlet box and eliminates offsets and bends
- Provided with a 1/4-20 thread impression so that the box may be quickly and securely attached to the clamp
- Also available with a staked stud, 1/4-20 x 3/8" to provide easier attachment of outlet boxes to beams. Eliminates having to use loose screws
- The combination washer-wing nut (Part No. 4WN) can be used to attach box (not included)
- Allows for use with cable ties
- 1/4-20 x 3/8" screws P/N S3575BP50 available as separate item

Catalog ID	Flange Thickness	Std Pkg Qty
M24	1/8 to 1/4 in	100
M58	5/16 to 1/2 in	100
M912	9/16 to 3/4 in	100
M24S	1/8 to 1/4 in	100
M58S	5/16 to 1/2 in	100
M912S	9/16 to 3/4 in	100

CADDY® T-Grid Box Hanger

CADDY



- Quickly mounts a box to T-grid
- Now height adjustable for various electrical box depths
- Installs by hand
- Drop wire for independent support from clip and/or bar
- Screws easily to tee bar for added stability
- Multiple box installations
- Double deep box installations 512HDXT Extension Brackets
- Not permitted for paddle fans

Catalog ID	Description	Std Pkg Qty
510HD	Box mounting clip can be purchased separately for multiple box requirements	100
510HDTC	Box mounting clip can be purchased separately for multiple box requirements	100
512HD	Heavy-duty electrical box hanger with box mounting clip – 24" span	25
512HDEEP	Heavy-duty electrical box hanger with extension bracket – 3 5/8" height	25
512HDEEPTC	Heavy-duty electrical box hanger with extension bracket – 3 5/8" height	25
512HDTC	Heavy-duty electrical box hanger with box mounting clip – 24"	25
512HDXT	Extension bracket 3 5/8" height (25sets)	50

CADDY® Flange-Mount Conduit Clip Snap Close

CADDY



- Available with conduit clip bottom mounted or side mounted
- Available for 1/2" thru 1" EMT, rigid and aluminum conduit
- Requires only a hammer to install
- Will pivot thru 360°

Catalog ID	Description	Std Pkg Qty
6M24	3/8" MC/AC cable to 1/8" to 1/4" flanges	100
6M58	3/8" MC/AC cable to 5/16" to 1/2" flanges	100
812M24	1/2" or 3/4" Hammer-On Pipe Clip for Flanges 1/8" to 1/4"	100
812M58	1/2" or 3/4" Hammer-On Pipe Clip for Flanges 5/16" to 1/2"	100
16M24	1" Hammer-On Pipe Clip for Flanges 1/8" to 1/4"	100
16M58	1" Hammer-On Pipe Clip for Flanges 5/16" to 1/2"	100
20M24	1-1/4" Hammer-On Pipe Clip for Flanges 1/8" to 1/4"	100
20M58	1-1/4" Hammer-On Pipe Clip for Flanges 5/16" to 1/2"	100
6M24SM	3/8" MC/AC cable to 1/8" to 1/4" flanges (Sidemount)	100
6M58SM	3/8" MC/AC cable to 5/16" to 1/2" flanges (Sidemount)	100
812M24SM	1/2" to 3/4" conduit to 1/8" to 1/4" flanges (Sidemount)	100
812M58SM	1/2" to 3/4" conduit to 5/16" to 1/2" flanges (Sidemount)	100
16M24SM	1" conduit to 1/8" to 1/4" flanges (Sidemount)	100
16M58SM	1" conduit to 5/16" to 1/2" flanges (Sidemount)	100
20M24SM	1 1/4" conduit to 1/8" to 1/4" flanges (Sidemount)	100
20M58SM	1 1/4" conduit to 5/16" to 1/2" flanges (Sidemount)	100

CADDY® One-Piece Strut Clamp SCH Series

CADDY



- One-piece installation – no screws or bolts to drop
- Installs quickly and easily. Requires only a screwdriver or nut driver for installation
- Heavy-duty construction with a bright zinc finish
- Size 3/8" MC/AC to 4" EMT conduit
- All sizes available with load distribution plate attached to screw
- Surface finish: electro zinc plated

Catalog ID	EMT (in)	Rigid (in)	Cable OD (in)	Static Load (lbs)	Std Pkg Qty
SCH8	1 / 2	-	-	200	100
SCH12	3 / 4	1 / 2	-	200	100
SCH16	1	3 / 4	-	200	100
SCH20	1 1 / 4	1	-	200	100
SCH6B	3 / 8	-	0.100 - 0.630	200	100
SCH8B	1 / 2	-	0.340 - 0.710	200	100
SCH12B	3 / 4	1 / 2	0.570 - 0.920	200	100
SCH16B	1	3 / 4	0.720 - 1.160	200	100
SCH20B	1 1 / 4	1	1.000 - 1.510	200	100
SCH24B	1 1 / 2	1 1 / 4	1.250 - 1.750	350	50
SCH32B	2	1 1 / 2	1.740 - 2.200	350	50
SCH40B	-	2	2.000 - 2.380	350	25
SCH48B	2 1 / 2	2 1 / 2	2.380 - 2.880	350	25
SCH56B	3	3	2.720 - 3.500	350	25
SCH64B	3 1 / 2	3 1 / 2	3.250 - 4.000	350	10
SCH72B	4	4	3.850 - 4.500	350	10

CADDY® Hammer-On Flange Clip

CADDY

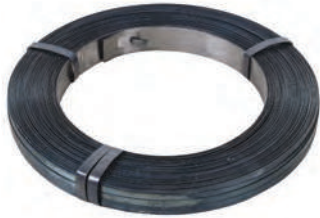


- Provides a "portable" 1/4" hole
- Fits most beams and bulb tees
- Installs with just a hammer

Catalog ID	Flange Thickness	Std Pkg Qty	Static Load
2H4	3/32 to 9/64	100	160 lbs
4H24	1/8 to 1/4	100	200 lbs
4H58	5/16 to 1/2	100	200 lbs
4H912	9/16 to 3/4	100	200 lbs



Steel Strapping



Steelstrapping is ideally suited for a wider range of strapping requirements. It is used extensively for reinforcing shipments and for unitizing and bundling materials to permit more efficient handling.

Regular Duty

Regular Duty steel strapping is manufactured from cold rolled steel under rigid control. Precise uniformity in width, gauge control and finish ensures trouble free operation with both manual and pneumatic tools.

High Tensile

High Tensile strapping is manufactured from cold rolled steel and heat treated to provide high tensile strength and ductility. High tensile strength affords extra protection and shock resistance under all strapping conditions.

Finishes

Standard finish is painted and waxed. Other finishes available upon request.

O = Oscillated
R = Ribbon

Regular Duty

Part #	Width (in.)	Gauge (in.)	Strength (lbs.)	Yield (ft.lb.)	
SAM	3/8	0.015	670	52.29	O
SAM	3/8	0.020	880	39.22	O
SAM	1/2	0.015	890	39.22	O
SAM	1/2	0.020	1880	29.42	O
SAM	1/2	0.023	1350	25.58	O
SAM	5/8	0.015	1110	31.38	O
SAM	5/8	0.020	1470	23.53	O
SAM	5/8	0.023	1690	20.46	O
SAM	3/4	0.015	1340	26.15	O
SAM	3/4	0.020	1770	19.61	O
SAM	3/4	0.023	2030	17.05	O

High Tensile

Part #	Width (in.)	Gauge (in.)	Strength (lbs.)	Yield (ft.lb.)	
SAM	1/2	0.020	1485	29.42	O
SAM	1/2	0.023	1700	25.58	O
SAM	5/8	0.020	1855	23.53	O
SAM	5/8	0.023	2130	20.46	O
SAM	3/4	0.020	2380	19.61	O
SAM	3/4	0.022	2615	17.40	O
SAM	3/4	0.025	2675	15.69	O
SAM	3/4	0.029	3305	13.30	O
SAM	3/4	0.031	3305	12.65	O,R
SAM	3/4	0.035	3675	11.21	O,R
SAM	1	0.029	4410	10.14	R
SAM	1	0.031	4410	9.49	R
SAM	1-1/4	0.025	4460	9.41	R
SAM	1-1/4	0.029+	5650	8.11	R
SAM	1-1/4	0.031	5650	7.59	R
SAM	1-1/4	0.035	5900	6.72	R
SAM	1-1/4	0.044	7900	5.35	R
SAM	1-1/4	0.053	9500	4.44	R
SAM	1-1/4	0.057	10060	3.99	R
SAM	2	0.044	12300	3.34	R

Steel Seals



Regular Duty Snap-On

Snap-On is the most common type of seal used. They maintain strap alignment prior to tensioning the strap. They are placed on the overlapping strap ends during or after tensioning. It is used primarily with the feed wheel (rotary dog) type tensioning tools, on flat strapping surfaces, where strap is fed directly from coil.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Heavy Duty Snap-On

Open-Flange is the heavy duty version of the snap on seals. It does not require prethreading. The closed leg is hooked over the strapping and the seal is snapped down into position. It is also referred to as semi-open, heavy duty.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Regular Duty Thread-On

Thread-On threaded over the overlapping strap ends prior to placing tensioner on strapping. It is used primarily in heavy duty applications that require windless (drum type) tensions. It also prevents strapping from being misaligned. It is also used in balling applications.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Heavy Duty Thread-On

Thread-On is threaded over the overlapping strap ends prior to placing tensioner on strapping. It is used primarily in heavy duty applications that requires windless (drum type) tensions. It also prevents strapping from being misaligned. It is also used in balling applications.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Regular Duty Push-On

Push-Type is used for strapping applications involving round or irregular shaped units or packages such as coils (circumference bands), pipe, coiled rod, rectangular or irregular shaped units or packages. Strapping is used directly from coil, threaded through the seal and formed into a "lasso" or slip loop which is then pulled hand tight around the unit. The pusher bar nose of the tensioner exerts pressure against the rear of the seal to draw up the final tension prior to crimping the seal.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Heavy Duty Push-On

Push-Type is used for strapping applications involving round or irregular shaped units or packages such as coils (circumference bands), pipe, coiled rod, rectangular or irregular shaped units or packages. Strapping is used directly from coil, threaded through the seal and formed into a "lasso" or slip loop which is then pulled hand tight around the unit. The pusher bar nose of the tensioner exerts pressure against the rear of the seal to draw up the final tension prior to crimping the seal.

Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM			

Polyester Strapping



One of the strongest plastic strapping products, polyester serves as a viable alternative to steel strapping in the brick, lumber and textile industries. Polyester provides excellent retained tension to stay tight on rigid loads. Its excellent recovery properties help a load absorb impact without strap breakage, and allows it to stay tight on loads that settle, shrink, or expand. Our PET is designed to meet the specifications of most competitive machines in the marketplace.

Part #	Description	Length (ft.)	Coil Size	Weight (lbs.)
SAM58040POLYEST	5/8" x .040 AAR	4000	16" x 6"	57
SAM	5/8" x .035 AAR	4000	16" x 6"	49

Polypropylene (PPY) Strapping



Polypropylene is the most economical type of plastic strap and is adequate in many applications. Polypropylene does not require the use of scored seals, and can also be heat sealed.

Hand Grade

Part #	Description	Length (ft.)	Coil Size	Weight (lbs.)
SAM	1/2 HG 600	7200	16" x 6"	27.8
SAM	1/2 HG 600	7200	8" x 8"	27.8

Machine Grade

Part #	Description	Length (ft.)	Coil Size	Weight (lbs.)
SAM	3/8 x 12,900	12,900	8" x 8"	25.0
SAM	3/8 x 12,900	12,900	9" x 8"	25.0
SAM	1/2 x 9900	9800	9" x 8"	25.8
SAM	1/2 x 9900	9900	9" x 8"	25.8

Polypropylene Seals



Part #	Strap Size (in.)	Seal Type	Standard Pack
SAM3255SO	1/2	Open	2500
SAM3258SO	5/8	Open	2500

Polyester Seals



Part #	Strap Size (in.)	Seal Type	Standard Pack
SAMORP2100.13	1/2	Open/Serrated	1000
SAMORP2300.16	5/8	Open/Serrated	1000
SAM3/4SNAP ON	3/4	Open/Serrated	1000

Buckles



Part #	Strap Size (in.)	Seal Type	Standard Pack
SAMAVB4	1/2	Light Duty	1000
SAMB400W	1/2	Heavy Duty	1000
SAM51WB	5/8	Heavy Duty	1000
SAMAVB6	3/4	Heavy Duty	1000
SAMAVB10A	1-1/4	Heavy Duty	500
SAMPLB4	1/2	Plastic Buckles	1000
SAMAVB5P	5/8	Plastic Buckles	1000

Poly Tool - MIP-100



- Economy Sealer
- For Polypropylene

Part #	Strap Width Range (in.)
SAMMIP-100	1/2 - 5/8

Poly Tool - MIP-370



- Regular Duty Tensioner
- For Poly, Polyester & Poly Cord

Part #	Strap Width Range (in.)
SAMMIP-370	1/2 - 3/4

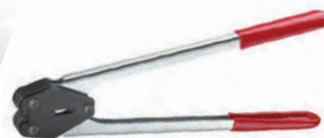
Poly Tool - MIP-380



- Heavy Duty Tensioner
- For Poly, Polyester, & Poly Cord

Part #	Strap Width Range (in.)
SAMMIP-380	1/2 - 3/4

Poly Tool - MIP-420



- Heavy Duty Poly Sealer
- For Use With Serrated Seals

Part #	Strap Width Range (in.)
SAMMIP-420	1/2 - 5/8

STEEL STRAPPING TOOLS



TENSIONERS

MIP-1300



- Feedwheel Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1300	0.015 to 0.025	3/8 to 3/4

MIP-1400



- Heavy Duty (HD) Feedwheel Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1400	0.025 to 0.031	3/4 to 1-1/4

MIP-1470



- Heavy Duty (HD) Windless Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1470	0.028 to 0.044	3/4 to 1-1/4

MIP-1620



- Heavy Duty (HD) Feedwheel Pusher Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1620	0.023 to 0.031	5/8 to 1-1/4

MIP-1800



- Push Bar Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1800	0.015 to 0.023	3/8 to 3/4

MIP-1860



- Rack & Pinion Pusher Tensioner

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1860	0.023 to 0.031	5/8 to 1-1/4

SEALERS, COMBINATION TOOL & DISPENSER

MIP-1100



- Regular Duty Steel Strap Sealer
- Double notch down cut front action

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1100	0.015 to 0.023	3/8, 1/2, 5/8, 3/4

MIP-1120



- Regular Duty Steel Strap Sealer
- Single notch up cut front action

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP1120	0.015 to 0.023	3/8, 1/2, 5/8, 3/4

MIP-3000



- Heavy Duty Steel Strap Sealer
- Double notch down cut front action

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP3000	0.025 to 0.031	3/4, 1, 1-1/4

MIP-3100



- Heavy Duty Steel Strap Sealer
- Double notch down cut front action

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP3100	0.025 to 0.031	3/4, 1, 1-1/4

MIP-20



- Sealless Combination Tool
- For Regular Duty & High Tensile Strap

Part #	Gauge Range (in.)	Strap Width Range (in.)
SAMMIP20	0.020 to 0.025	1/2 to 3/4

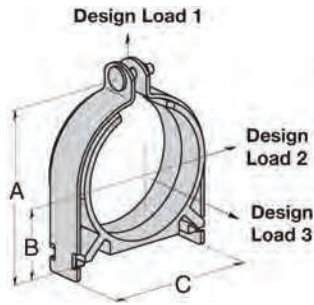
MIP-6100



- Heavy Duty Steel & Poly Strap Dispenser
- Comes with Strap Trolley

Part #	Core I.D. (in.)	Core Width Range (in.)
SAMMIP6100	16	Through 6

VIBRACLAMP™ PIPE CLAMPS



BVT SERIES VIBRACLAMPS-COPPER & O.D.

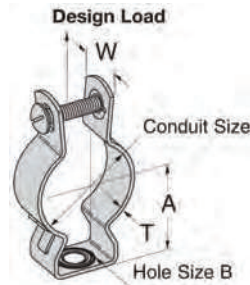
- Safety Factor of 3
- Accesses tubing sizes 1/8" (3) to 6" (150)
- Allows easy one tool installation
- Endures both high (+300°F) and low (-40°F) temperatures
- Dampens vibration and noise
- Eliminates galvanic metal to metal contact
- Resists most industrial oils and solvents
- Reduces thermal loss and gain
- Secures tubing firmly to channel (strut)
- Dielectric strength of 400 volts/mil
- Includes cushion, clamp, screw and nut
- Standard finishes: YZN, SS4

Part #	Tubing O.D. Size (in.)	Copper Tube Size (in.)	A	B	C	Wt./C (lbs.)
CBLBVT025	1/4	1/8	1.22	0.19	0.49	11
CBLBVT037	3/8	1/4	1.36	0.25	0.61	12
CBLBVT050	1/2	3/8	1.49	0.31	0.74	14
CBLBVT062	5/8	1/2	1.62	0.38	0.86	15
CBLBVT075	3/4	5/8	1.87	0.50	1.15	19
CBLBVT087	7/8	3/4	2.00	0.56	1.27	21
CBLBVT100	1	—	2.25	0.69	1.52	22
CBLBVT112	1-1/8	1	2.25	0.69	1.52	26
CBLBVT125	1-1/4	—	2.51	0.81	1.78	36
CBLBVT137	1-3/8	1-1/4	2.51	0.81	1.78	38
CBLBVT150	1-1/2	—	2.74	0.88	1.96	35
CBLBVT162	1-5/8	1-1/2	3.00	1.00	2.20	40
CBLBVT175	1-3/4	—	3.13	1.06	2.33	44
CBLBVT187	1-7/8	—	3.28	1.13	2.46	40
CBLBVT200	2	—	3.52	1.25	2.70	55
CBLBVT212	2-1/8	2	3.52	1.25	2.70	55
CBLBVT225	2-1/4	—	3.64	1.31	2.83	54
CBLBVT250	2-1/2	—	3.91	1.43	3.11	56
CBLBVT262	2-5/8	2-1/2	4.02	1.50	3.20	55
CBLBVT300	3	—	4.42	1.68	3.61	67
CBLBVT312	3-1/8	3	4.53	1.75	3.70	64
CBLBVT362	3-5/8	3-1/2	5.05	2.00	4.23	76
CBLBVT412	4-1/8	4	5.55	2.25	4.73	93
CBLBVT612	6-1/8	6	7.62	3.25	6.74	136

DESIGN LOADS - VibraClamp™

Part #	Load 1 (lbs.)	Load 2 (lbs.)	Load 3 (lbs.)
CBLBVT025	400	50	50
CBLBVT037	400	50	50
CBLBVT050	400	50	50
CBLBVT062	400	50	50
CBLBVT075	600	75	75
CBLBVT087	600	75	75
CBLBVT100	600	75	75
CBLBVT112	600	75	75
CBLBVT125	600	75	75
CBLBVT137	600	75	75
CBLBVT150	600	75	75
CBLBVT162	800	125	125
CBLBVT175	800	125	125
CBLBVT187	800	125	125
CBLBVT200	800	125	125
CBLBVT212	800	125	125
CBLBVT225	800	125	125
CBLBVT250	800	125	125
CBLBVT262	800	125	125
CBLBVT300	800	125	125
CBLBVT312	800	125	125
CBLBVT362	1000	200	150
CBLBVT412	1000	200	150
CBLBVT612	1000	200	150

CONDUIT HANGER - PIPE CLAMPS

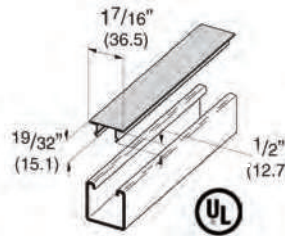


BL1400 SERIES CONDUIT HANGER

- Safety Factor of 3
- Unless noted all sizes fit both rigid (R) and thinwall (EMT) conduit
- Hardware included
- Standard finishes: ZN, SS4

Part #	Size (in.)	A	B	T	W	Load (lbs.)	Wt./C (lbs.)
CBLBL1400	1/2	29/32	9/32	16 Ga.	3/4	590	6
CBLBL1410	3/4	31/32	9/32	16 Ga.	3/4	590	7
CBLBL1420	1	11/4	9/32	16 Ga.	3/4	590	8
CBLBL1425	11/4EMT	11/4	9/32	18 Ga.	7/8	590	10
CBLBL1430	1-1/4R, 1-1/2EMT	1-13/32	9/32	18 Ga.	7/8	590	10
CBLBL1440	1-1/2 R	1-5/8	11/32	16 Ga.	1	755	17
CBLBL1450	2	2-1/16	11/32	16 Ga.	1-1/4	755	25
CBLBL1460	2-1/2	2-1/16	11/32	16 Ga.	1-1/4	755	26
CBLBL1470	3	2-1/2	11/32	16 Ga.	1-1/4	820	33
CBLBL1480	3-1/2	2-3/4	11/32	16 Ga.	1-1/4	850	36
CBLBL1490	4	3-1/2	11/32	16 Ga.	1-1/4	1410	40

SNAP CLOSURE STRIP

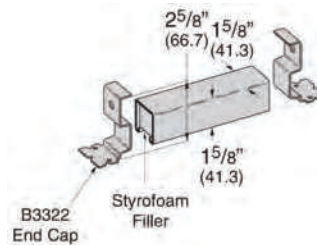


SNAP CLOSURE STRIP FOR ALL 15/8" (41.3) WIDE CHANNELS

- Refer to Raceway Fill Chart Pg. 214-215
- Material: 20 Gauge (.9)
- Standard finishes: GRN, GALV, YZN
- Standard length: 120" (3.05m)
- Wt./CFT 36 Lbs. (16.3 kg)

Part #	Description
CBLB217-20	Sanp Closure Strip for Channels

CONTINUOUS CONCRETE INSERT

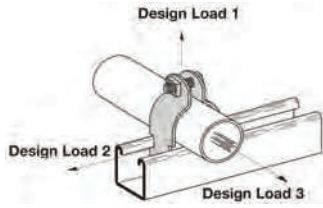


- Design Load for B22-I-12 is 2,000 lbs. (8.89 kN) per foot of concrete insert length with safety factor of 3 in 3000 psi concrete.
- B22-I continuous concrete inserts are made from B22 channel. Use channel nuts designed for use in B22 channel.
- B22-I concrete inserts are supplied with styrofoam fillers. B3322 end caps are furnished with inserts through 8" (203.2 mm) long, and B205 end caps are furnished with inserts 12" (304.8 mm) and longer.

Part #	Length (in.)	Wt./C (lbs.)	Load (lbs.)
CBLB22-1-3	3	72	500
CBLB22-1-4	4	88	800
CBLB22-1-6	6	120	1000
CBLB22-1-8	8	152	1200

MANY MORE FITTINGS AVAILABLE.
Ask your Sales Rep or see instore for more details.

PIPE & CONDUIT/RIDGID CLAMPS



- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Includes Combination Recess Hex Head Machine Screw and Square Nut
- Material: 16 Ga. (1.5), 14 Ga. (1.9), 12 Ga. (2.6) ASTM A1011 33,000 PSI min. yield and 11 Ga. (3.0) ASTM A1011HSLA Gr. 50
- Standard finishes: ZN, HDG, SS4, SS6, AL
- Note:** For EMT sizes 2 1/2" and larger use rigid conduit sizes.

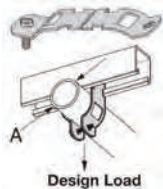
PIPE AND CONDUIT CLAMPS

Part #	Conduit Size (in.)	Material Size	Load 1 (lbs.)	Load 2 (lbs.)	Load 3 (lbs.)	Wt./C (lbs.)
CBLB2000	3/8	16 Ga.	400	50	50	10
CBLB2001	1/2	16 Ga.	400	50	50	10
CBLB2002	3/4	14 Ga.	400	50	50	11
CBLB2003	1	14 Ga.	600	75	75	16
CBLB2004	1-1/4	14 Ga.	600	75	75	19
CBLB2005	1-1/2	12 Ga.	800	125	125	28
CBLB2006	2	12 Ga.	800	125	125	33

RIDIG CONDUIT or PIPE CLAMPS

Part #	Conduit Size (in.)	Material Size	Load 1 (lbs.)	Load 2 (lbs.)	Load 3 (lbs.)	Wt./C (lbs.)
CBLB2001	3/8	16 Ga.	400	50	50	10
CBLB2008	1/2	16 Ga.	400	50	50	11
CBLB2009	3/4	14 Ga.	600	75	75	15
CBLB2010	1	14 Ga.	600	75	75	16
CBLB2011	1 1/4	14 Ga.	600	75	75	20
CBLB2012	1 1/2	12 Ga.	800	125	125	30
CBLB2013	2	12 Ga.	800	125	125	34
CBLB2014	2 1/2	12 Ga.	800	125	125	38
CBLB2015	3	12 Ga.	800	125	125	44
CBLB2016	3 1/2	11 Ga.	1000	200	150	61
CBLB2017	4	11 Ga.	1000	200	150	66
CBLB2018	4 1/2	11 Ga.	1000	200	150	70
CBLB2019	5	11 Ga.	1000	200	150	77
CBLB2020	6	11 Ga.	1000	200	150	100
CBLB2021	7	11 Ga.	1000	250	200	115
CBLB2022	8	11 Ga.	1000	250	200	128
CBLB2130	10	11 Ga.	1000	250	200	160
CBLB2132	12	11 Ga.	1000	250	200	185

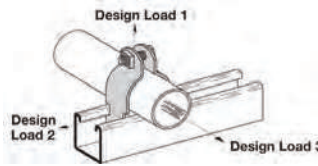
PIPE CLAMPS - Break-Apart Clamp



- CONDUIT**
- Design Load 200 Lbs. (.896 kN)
 - Includes Combination Recess Hex Head Machine Screw
 - Material: ASTM A1011 33,000 PSI min. yield
 - Standard finish: ZN

Part #	(A) Rigid or EMT Conduit (in.)	Wt./C (lbs.)
CBLBPC-8	1/2	11.2
CBLBPC-12	3/4	12.7
CBLBPC-16	1	14.5
CBLBPC-20	1-1/4	16.5
CBLBPC-24	1-1/2	18.5
CBLBPC-32	2	21.5
CBLBPC-40	2-1/2	21.5
CBLBPC-48	3	22.0
CBLBPC-56	3-1/2	23.0
CBLBPC-64	4	27.5

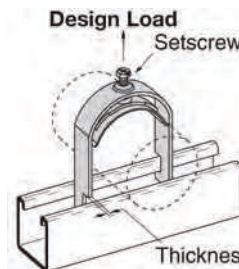
COPPER TUBING CLAMPS



- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Includes Combination Recess Hex Head Machine Screw and Square Nut
- Material: 16 Ga. (1.5), 14 Ga. (1.9), 12 Ga. (2.6) ASTM A1011 33,000 PSI, min. yield and 11 Ga. (3.0) ASTM A1011HSLA Gr. 50
- Standard finish: Exclusive Dura-Copper® Finish (DCU)

Part #	O.D. Size (in.)	Conduit Size (in.)	Material Size	Load 1 (lbs.)	Load 2 (lbs.)	Load 3 (lbs.)	Wt./C (lbs.)
CBLB2024DCU	1/4	.375	16 Ga.	400	50	50	8
CBLB2025DCU	3/8	.500	16 Ga.	400	50	50	9
CBLB2026DCU	1/2	.625	16 Ga.	400	50	50	10
CBLB2027DCU	5/8	.750	16 Ga.	400	50	50	10
CBLB2008DCU	3/4	.875	16 Ga.	400	50	50	11
CBLB2030DCU	1	1.125	14 Ga.	600	75	75	15
CBLB2032DCU	1-1/4	1.375	14 Ga.	600	75	75	17
CBLB2011DCU	1-1/2	1.625	14 Ga.	600	75	75	19
CBLB2038DCU	2	2.125	12 Ga.	800	125	125	32
CBLB2042DCU	2-1/2	2.625	12 Ga.	800	125	125	35
CBLB2046DCU	3	3.125	12 Ga.	800	125	125	39
CBLB2050DCU	3-1/2	3.625	11 Ga.	1000	200	150	54
CBLB2054DCU	4	4.125	11 Ga.	1000	200	150	61
CBLB2062DCU	5	5.125	11 Ga.	1000	200	150	70
CBLB2110DCU	6	6.125	11 Ga.	1000	250	200	94
CBLB2126DCU	8	8.125	11 Ga.	1000	250	200	123

PIPE CLAMPS - Conduit/Strut Clamps

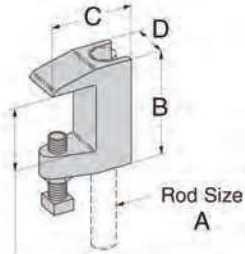


- Safety Factor of 3
- Clamps without saddles are not recommended for flexible conduit or cable
- All Sizes Include: 1/4"-20 Slotted Hex Head Machine Screw
- Standard finish: ZN

Part #	EMT (in.)	Rigid	Thickness	Load (lbs.)	Wt./C (lbs.)
CBLB1508	1/2	-	16 Ga.	200	7.4
CBLB1512	3/4	1/2	16 Ga.	200	8.0
CBLB1516	1	3/4	14 Ga.	300	11.0
CBLB1520	1-1/4	1	14 Ga.	300	12.5
CBLB1508S	1/2	-	16 Ga.	200	8.6
CBLB1512S	3/4	1/2	16 Ga.	200	9.2
CBLB1516S	1	3/4	14 Ga.	300	12.7
CBLB1520S	1-1/4	1	14 Ga.	300	14.6
CBLB1524S	1-1/2	1-1/4	12 Ga.	400	20.5
CBLB1532S	2	1-1/2	12 Ga.	400	21.5
CBLB1534S	-	2	12 Ga.	400	22.7
CBLB1540S	2-1/2	2-1/2	12 Ga.	400	26.0
CBLB1548S	3	3	12 Ga.	400	30.2
CBLB1556S	3-1/2	3-1/2	12 Ga.	400	33.3
CBLB1564S	4	4	12 Ga.	400	36.6

MANY MORE FITTINGS AVAILABLE.
Ask your Sales Rep or see instore for more details.

BEAM CLAMPS - Wide Jaw Wedge

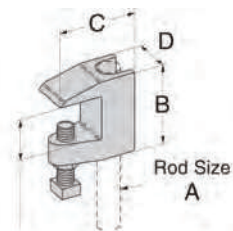


REVERSIBLE WIDE JAW WEDGE C-CLAMP (MALLEABLE IRON)

- Safety Factor of 5
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: ZN, PLN

Part #	Rod Size	B	C	D	Load (lbs.)	Wt./C (lbs.)	Max. Size
CBLB3033-3/8	3/8"-16	2-1/4"	2"	1-1/8"	500	46	4"
CBLB3033-1/2	1/2"-13	2-5/16"	2-3/16"	1-1/4"	810	64	8"
CBLB3033-5/8	5/8"-11	2-5/8"	2-1/2"	1-3/8"	1000	116	8"
CBLB3033-3/4	3/4"-10	2-11/16"	2"	1-7/16"	1400	140	10"

BEAM CLAMPS - Wedge

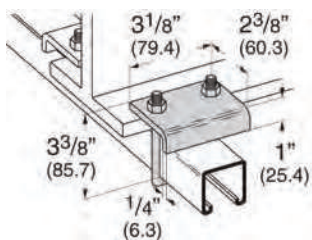


WEDGE C-CLAMP

- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: ZN, PLN

Part #	Rod Size	B	C	D	Load (lbs.)	Wt./C (lbs.)	Max. Size
CBLB3034-3/8	3/8"-16	1-5/8"	2"	7/8"	500	54	4"
CBLB3034-1/2	1/2"-13	1-13/16"	2-3/16"	1-3/16"	810	51	8"
CBLB3034-5/8	5/8"-11	1-3/4"	2-1/8"	1-1/8"	1000	70	-
CBLB3034-3/4	3/4"-10	2"	2-1/4"	1-1/8"	1400	98	-

BEAM CLAMPS

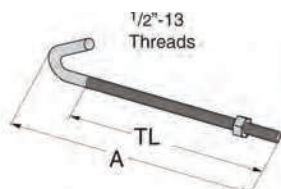


BEAM CLAMP

- Design Load 1200 Lbs. (5.34 kN) when used in pairs
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- For use with 13/16" (20.6) to 15/8" (41.3) high channel
- Recommended Torque: 150 in-lbs. (16.9 N*m)
- Sold in pieces
- Standard finishes: ZN, HDG, SS4

Part #	Wt./C (lbs.)
CBLBB441-22	87

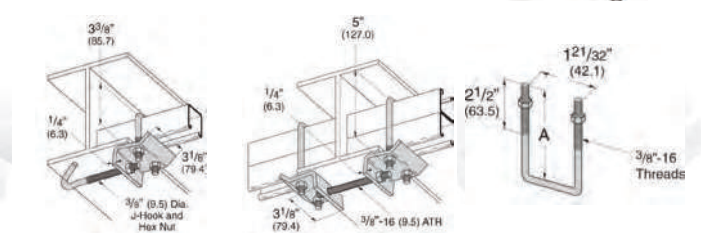
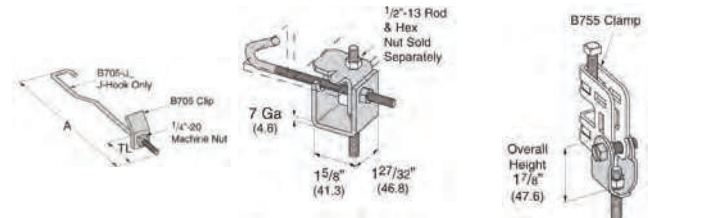
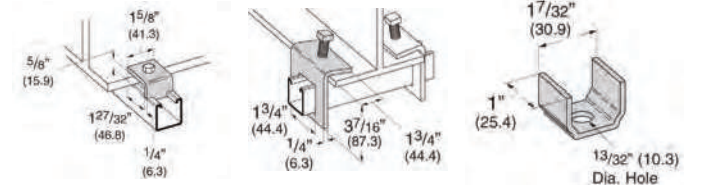
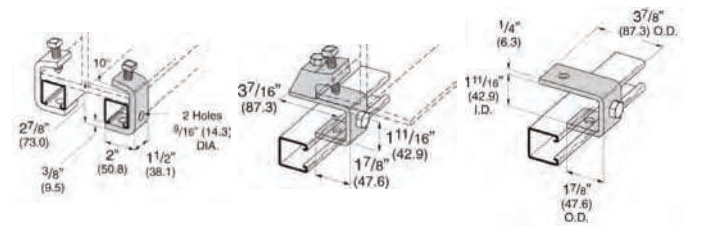
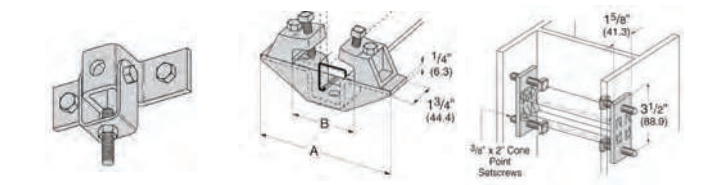
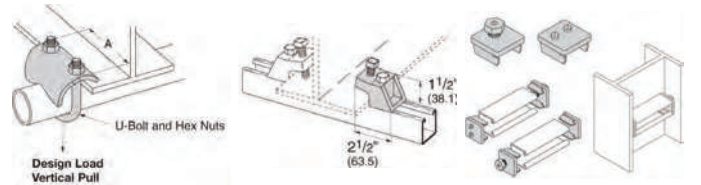
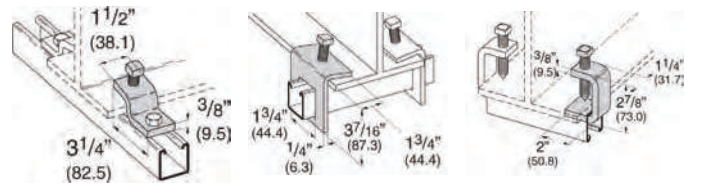
J-HOOK



J-HOOK

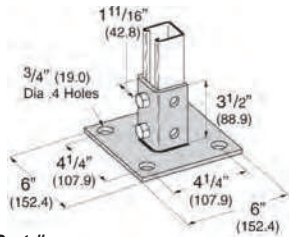
- Includes: 1 pc. J-Bolt, 1 pc. Hex Nut
- Maximum Flange Thickness 5/8" (15.9)
- Standard finish: ZN

Part #	A (in.)	Thread Length (in.)	Wt./C (lbs.)
CBLB700-J4	8-1/2	6-3/4	44
CBLB700-J6	11-1/2	9-3/4	52
CBLB700-J9	14-1/2	12-3/4	63
CBLB700-J12	17-1/2	15-3/4	78



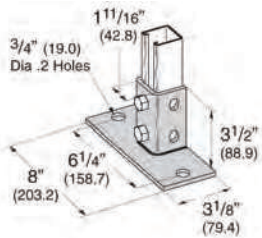
MANY MORE FITTINGS AVAILABLE.
Ask your Sales Rep or see instore for more details.

POST BASES



- POST BASE FOR B22**
- Standard finishes: ZN, GRN, HDG, SS4, AL
 - Wt./C 392 Lbs. (177.8 kg)

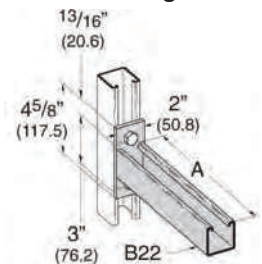
Part #
CBLB280SQ



- POST BASE FOR B22**
- Standard finishes: ZN, GRN, HDG, SS4
 - Wt./C 312 Lbs. (141.5 kg)

Part #
CBLB280FL

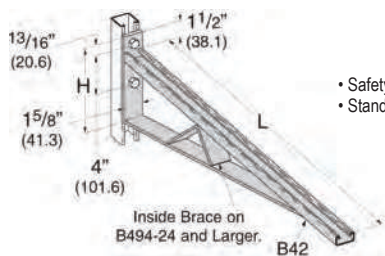
BRACKET - Single Channel



- Safety Factor of 2.5
- Standard finishes: ZN, GRN, SS4

Part #	A (in.)	Load (lbs.)	Wt./C (lbs.)
CBLB409-6	6	1920	152
CBLB409-9	9	1280	195
CBLB409-12	12	960	232
CBLB409-14	14	800	274
CBLB409-16	16	730	314
CBLB409-18	18	640	347
CBLB409-24	24	480	4450

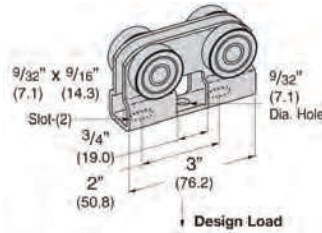
BRACKET - Braced Single



- Safety Factor of 2.5
- Standard finishes: ZN, GRN

Part #	L (in.)	H (in.)	Load (lbs.)	Wt./C (lbs.)
CBLB494-12	12	8-3/4	1580	364
CBLB494-18	18	8-3/4	1000	479
CBLB494-24	24	8-3/4	996	716
CBLB494-30	30	11-1/4	924	927
CBLB494-36	36	11-1/4	864	1095
CBLB494-42	42	16	580	1400
CBLB494-48	48	16	500	1510

TROLLEY ASSEMBLY - Light Duty



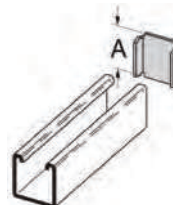
- Design Load 100 Lbs. (.44 kN)
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Material: 12 Gauge (2.6) ASTM A1011, 33,000 PSI min. yield
- Standard finishes: ZN
- Wt./C 68 Lbs. (30.8 kg)

PLASTIC BEARINGS

- Design Load 20 Lbs. (.090 kN)

Part #	Description
CBLB478	-
CBLB478P	Plastic Bearings

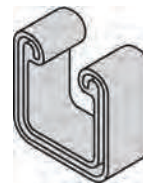
CHANNEL END CAPS - Type X



- Material: ASTM A1011 CS Type B
- Standard finishes: ZN, GRN, HDG, SS4, AL

Part #	Use With	A	(A)	Wt./C (lbs.)
CBLB203	B42	1.015	(25.8)	6
CBLB204	B54	.827	(21.0)	5
CBLB205	B22	1.640	(41.6)	10
CBLB206	B32	1.390	(35.3)	8
CBLB220	B52	.827	(21.0)	4
CBLB221	B12	2.452	(62.3)	15
CBLB222	B11	3.265	(82.9)	20
CBLB223	B24	1.640	(41.6)	10

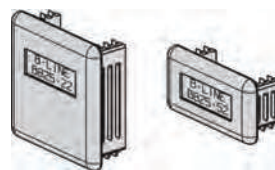
PROFILE END CAPS



- Material: PVC
- Available in colors: White (W), Yellow (Y), Black (BLK), Gray (GRY), Green (GRN)
- Approx. 3/4" deep

Part #	Fits Channel Sizes	Wt./C (lbs.)
CBLB823-22A	B22A, B24A, B26A	6.9
CBVLB823-22	B22, B24, B26	4.1
CBLB823-42	B42	3.8
CBLB823-52	B52, B54, B56	3.5

PLASTIC END CAPS



- Material: Polyurethane
- Available in colors: Gray (GRY), Green (GRN)

Part #	Fits Channel Sizes	Wt./C (lbs.)
CBLB825-22	B22 & B24	2.0
CBLB825-52	B52 & B54	1.0

FITTINGS

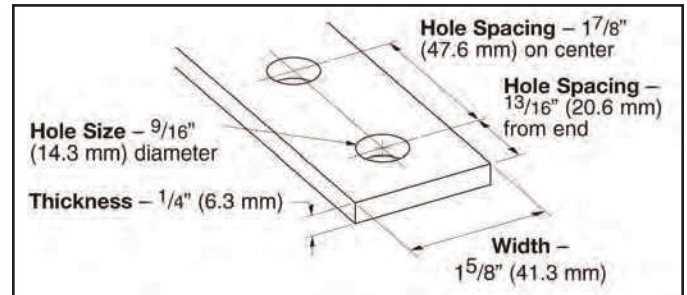


COOPER B-Line

This section offers a full selection of fittings and accessories to complete Cooper B-Line's metal framing system. Fittings are made from hot rolled, pickled and oiled plate or strip steel in accordance with ASTM A1018 33,000 PSI min. yield, unless noted.

Dimensions

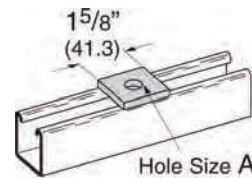
The following dimensions apply to all fittings except as noted:



SQUARE WASHER

COOPER B-Line

• Standard finishes: ZN, GRN, HDG, SS4, SS6, AL

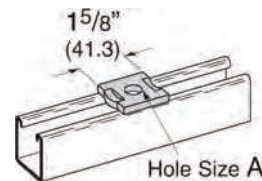


Part #	A (in.)	(A) (in.)	Bolt Size	Wt./C (lbs.)
CBLB200	3/8	(9.5)	5/16	18
CBLB201	7/16	(11.1)	3/8	18
CBLB202	9/16	(14.2)	1/2	17
CBLB202-1	11/16	(17.4)	5/8	16
CBLB202-2	13/16	(20.6)	3/4	15

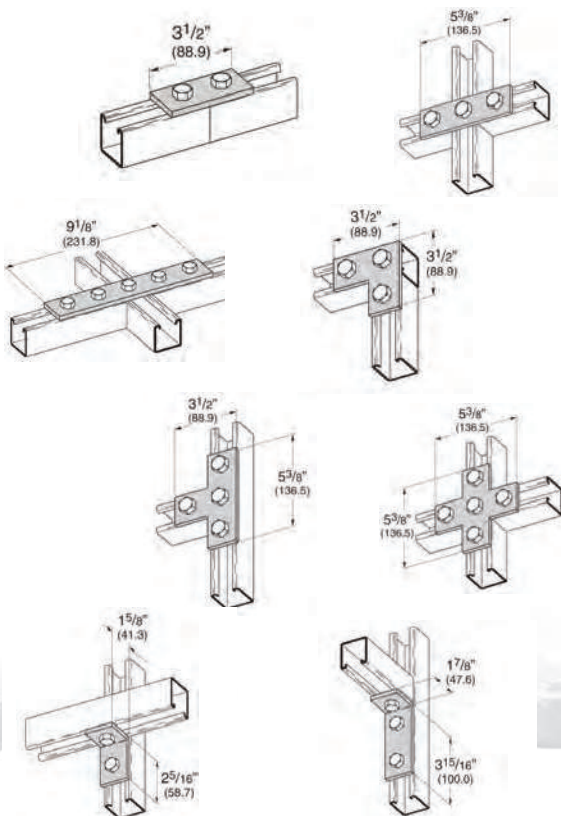
NO TWIST SQUARE WASHER

COOPER B-Line

• Standard finishes: ZN, GRN, HDG, SS4, SS6, AL

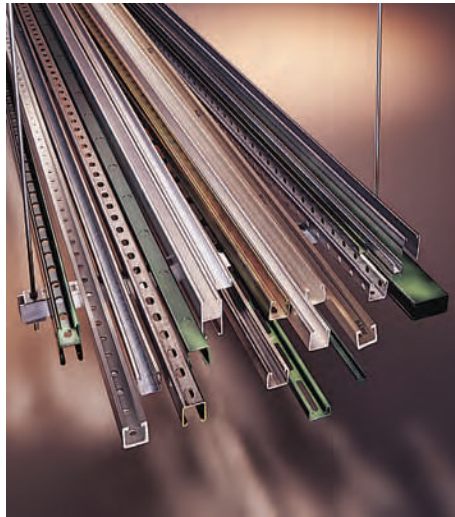


Part #	A (in.)	(A) (in.)	Bolt Size	Wt./C (lbs.)
CBLB200D	3/8	(9.5)	5/16	18
CBLB201D	7/16	(11.1)	3/8	18
CBLB202D	9/16	(14.2)	1/2	17
CBLB202-1D	11/16	(17.4)	5/8	16
CBLB202-2D	13/16	(20.6)	3/4	15



MANY MORE FITTINGS AVAILABLE. Ask your Sales Rep or see instore for more details.

STRUT - Metal Framing Channels



FINISH CODE	FINISH
PLN	Plain
GRN	Dura-Green™
GALV	Pre-Galvanized
HDG	Hot-Dipped Galvanized
YZN	Yellow Zinc Chromate
SS4	Stainless Steel Type 304
SS6	Stainless Steel Type 316
AL	Aluminum



Channel

Cooper B-Line's metal framing channel is cold formed on our modern rolling mills from 12 Ga. (2.6mm), 14 Ga. (1.9mm), and 16 Ga. (1.5mm) low carbon steel strips. A continuous slot with inturred lips provides the ability to make attachments at any point.

Lengths

Standard lengths are 10' (3.05m) and 20' (6.09m) with length tolerance of $\pm 1/8"$ (+3.2mm). Custom lengths are available upon request.

Slots

Cooper B-Line's slotted series of channels offer full flexibility. A variety of pre-punched slot patterns eliminate the need for precise field measuring for hole locations. Slots offer wide adjustments in the alignment and bolt sizing.

Holes

A variety of pre-punched 9/16" (14.3 mm) diameter hole patterns are available in Cooper B-Line channels. These hole patterns provide an economical alternative to costly field drilling required for many applications.

Knockouts

When used with series B217-20 Closure Strips, Cooper B-Line's knockout channels can be used to provide an economical U.L. listed surface raceway. Channels are furnished with 7/8" (22.2 mm) knockouts on 6" (152 mm) centers, allowing for perfect fixture alignment on spans up to 20' (6.09 m).

Materials & Finishes (Unless otherwise noted)

Steel: Plain

12 Ga. (2.6), 14 Ga. (1.9) and 16 Ga. (1.5)

Steel: Pre-galvanized

12 Ga. (2.6), 14 Ga. (1.9) and 16 Ga. (1.5)

Part #	Height (in.)	Width (in.)	Type		SH	S	H1-7/8	TH	K06
			Steel	Alum.					
CBLB11	3-1/4	1-5/8	12 Ga. -	-	1	1	1	-	1
CBLB12	2-7/16	1-5/8	12 Ga. .105	-	1,2	1	1,2	-	1,2
CBLB22	1-5/8	1-5/8	12 Ga. .105	12 Ga.	1,2,3,4	1,3	1,2,3	1	1,2
CBLB22A									
CBLB42	1	1-5/8	12 Ga. -	12 Ga. -	1,3	1	1,3	-	1
CBLB42A									

WE SELL A HUGE VARIETY OF STRUT. Ask your Sales Rep or see instore for more details.

CHANNEL NUTS & HARDWARE



Channel Nuts

Cooper B-Line's channel nut is one of the main components of our metal framing system. It is designed to provide essential gripping power and ease during installation. Channel nuts are press formed, machined and hardened from steel which meets the requirements of ASTM A108 or ASTM A36 for our larger sizes.

Bolts, Screws, and Nuts

All bolts, screws and nuts meet the physical and chemical requirements of ASTM A307, SAE J429 or ASTM A563, and have unified inch screw threads (coarse, UNC). ISO metric threads are also available on special request.

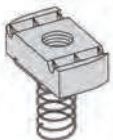
Part #	Thread Size	Channel Size	Nut Thickness (in.)	Weight/C (lbs.)
CBLN221WO	#8-32	All except B62 & B72	1/4	7.0
CBL	#8-32	B22, B24, B26, B32	1/4	7.0
CBLNT221	#8-32	All except B62 & B72	1/4	7.0
CBLNW524	1/4-20	All Channel sizes	1/4	11.9
CBLSN224	1/4-20	B11 & B12	1/4	8.1
CBLSN224WO	1/4-20	All except B62 & B72	1/4	8.1
CBLSTN224	1/4-20	All except B62 & B72	1/4	8.1

BUZZNUT™

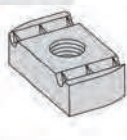
- Can be installed at any desired position on the ATR, eliminating the need to thread hex nuts up along ATR.
- Loading Safety Factor of 3. • Torque: 6 ft./lbs (8 Nm) • Available in Zinc Plated or 316 stainless steel.

Part #	Thread Size	Loading Wt. (lbs.)	Weight/C (lbs.)
CBLCBLSLWN1/4	1/4-20	240	11.9

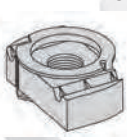
See page ? for more sizes



N221



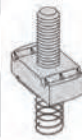
N221WO



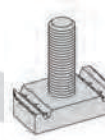
NT221



NW524



SN224



SN224WO



STN224



BUZZNUT



Pre-Assembled Strut Fittings

Cooper B-Line Pre-Assembled Fittings are a suitable alternative for virtually any job that requires standard fitting assemblies. Pre-assembled fittings combine channel nuts and bolts into a unique design that allows for easier and quicker installation on the job-site, resulting in overall labor savings to the customer.



- Combination design reduces the number of parts to handle and purchase
- Allows for easy adjustment when installed in channel
- Channel nuts and bolts have locking liquid applied (takes 5 ft./lbs. of torque to loosen)
- No worry of spring protruding through bottom of slotted channel
- Reduces installation time
- No more tangled spring nuts
- Available in Zinc Plated or DURA-GREEN™ finish

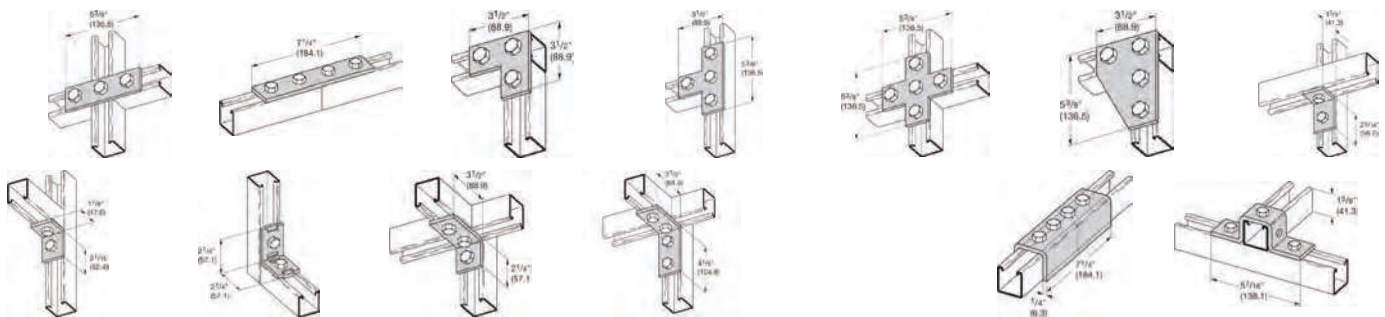


B129



B143

Part #	Material WT.	Per 100 Count (lbs.)
CBLB129PAZN	Zinc Plated	72.5
CBLB129PAGRN	DURA-GREEN™	72.5
CBLB143PAZN	Zinc Plated	139.4
CBLB143PAGRN	DURA-GREEN™	139.4



See your Sales Rep for more sizes

KwikWire™



The KwikWire™ Hanging System is a flexible replacement for jack chain and all thread rod. The KwikWire™ System will slash your hanging time and the clamp can be easily adjusted by hand.

- Some of the key benefits of using the new KwikWire™ System include:
- Installs up to 50% faster - can quickly wrap around beam with no drilling required
 - Simple height adjustments are made by releasing the clamp's adjustment pin - no tools required
 - Aesthetic appeal - blends in with upper structural supports
 - Compatibility with many B-Line fastener, anchor and hanger products
 - Ideal for sloped ceiling applications - will support loads at up to a 60° angle from vertical



Clamps

Part #	Size (in.)	Qty.
CBLBKC100	1/16 & 3/32	100
CBLBKC150	3/32 & 1/8	100
CBLBKC200	1/8 & 3/16	50

Wire Rope - Uncoated Galvanized Wire

Part #	Dia. (in.)	Load (lbs.)	Spool (ft.)
CBLBKW063	1/16	96	500
CBLBKW094	3/32	184	500
CBLBKW125	1/8	340	500
CBLBKW188	3/16	840	250

Starter Kit

- Starter Kits include everything you need to get the job right.
- Kits are packaged in a 5-gallon bucket for easy transportation. The lid includes a built-in cable counter to simplify measuring and cutting the wire rope to length.
- Starter Kit includes KwikWire clamps, a spool of wire rope, and a cable cutter.

Part #	Description	Qty.
CBLBKS10063	BKC100, 1/16 Wire Rope, Cable Cutter	1
CBLBKS10094	BKC100, 3/32 Wire Rope, Cable Cutter	1
CBLBKS15094	BKC150, 3/32 Wire Rope, Cable Cutter	1
CBLBKS15125	BKC150, 1/8 Wire Rope, Cable Cutter	1
CBLBKS20125	BKC200, 1/8 Wire Rope, Cable Cutter	1
CBLBKS20188	BKC200, 3/16 Wire Rope, Cable Cutter	1

DURA-BLOK™ - Rooftop Solutions Support



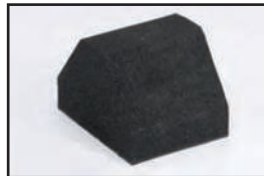
DURA-BLOK™ Supports are made of 100% recycled rubber and are designed to provide an economical way to support pipes, HVAC systems, rooftop walkway systems, ducting, conduit, cable tray, and more.

- Made from 100% recycled rubber
- Qualifies for LEED credits
- Reflective strip on both sides allow for easy product visibility
- Channel is through bolted on all sizes for added strength
- 1" gap between blocks allows water to flow freely around longer assemblies
- No roof penetration required
- Product composition is not sharp or abrasive helping to extend the roof life
- Dampens vibration
- No need for supplemental rubber pad
- Will not float or blow away
- UV resistant
- Suitable for any type roofing material or other flat surface

BASE ONLY



DBP



DBM

Part #	Height (in.)	Width (in.)	Length (in.)	Weight (lbs.)
CBLDBP	4	6	9.6	4.48
CBLDBM	4	6	4.8	2.35

DURA-BLOK™ channel support is designed as an economical support for piping systems, cable tray, HVAC equipment and many other applications.

Specifications:
 Dimensions - 4" (101mm) High x 6" (152mm) Wide x 9.6" (244mm) Long (base length)
 Material - 100% recycled rubber, UV resistant
 Ultimate Load Capacity - 500 lbs. (2.22kN) (uniform load)*

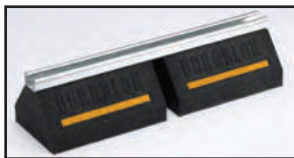
*For Roof Loading, Consult Roofing Manufacturer or Engineer. As with most commercial roofs, the weakest point may be the insulation board beneath the rubber membrane.



DB - Series *Base with 14 ga. (1.9mm) Galv. Channel - 1" (25.4mm) high*



DB5



DB20



DB610



DB630

Part #	Height (in.)	Width (in.)	Length (in.)	Weight (lbs.)
CBLDB5	5	6	4.8	2.75
CBLDB10	5	6	9.6	5.28
CBLDB20	5	6	20.2	10.63
CBLDB30	5	6	30.8	15.99
CBLDB40	5	6	41.4	21.34
CBLDB48	5	6	52.0	26.70

DURA-BLOK™ DB-Series channel support is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications.

Specifications:
 Dimensions - 5" (127mm) High x 6" (152mm) Wide x Length (overall length)
 Material - 100% recycled rubber, UV resistant
 Ultimate Load Capacity - (uniform load) *

DURA-BLOK™ DB-Series channel support is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications.

DB5 = 500 lbs. (2.22kN)	DB610 = 500 lbs. (2.22kN)
DB10 = 500 lbs. (2.22kN)	DB620 = 1,000 lbs. (4.45kN)
DB20 = 1,000 lbs. (4.45kN)	DB630 = 1,500 lbs. (6.67kN)
DB30 = 1,500 lbs. (6.67kN)	DB640 = 2,000 lbs. (8.89kN)
DB40 = 2,000 lbs. (8.89kN)	DB648 = 2,500 lbs. (11.12kN)
DB48 = 2,500 lbs. (11.12kN)	

DB6 - Series *Base with 12 ga. (2.6mm) Galv. Channel - 27/16" (62mm) high*

Part #	Height (in.)	Width (in.)	Length (in.)	Weight (lbs.)
CBLDB610	6-7/16	6	9.6	6.36
CBLDB620	6-7/16	6	20.2	12.90
CBLDB630	6-7/16	6	30.8	19.45
CBLDB640	6-7/16	6	41.4	26.00
CBLDB648	6-7/16	6	52.0	32.55

See your Sales Rep for more sizes.

NEW Buzznut™ - Bolt Framing



Hold lower Buzznut in open position and install at desired location on ATR. Hand-tighten the hex nut portion of the assembly clockwise to close. Hold upper Buzznut in open position on ATR as shown.



Hand-tighten the hex nut portion of the upper Buzznut assembly clockwise to close. With one hand turn the upper buzznut assembly (hex nut and washer) down ATR until snug and square with channel.



To complete assembly, tighten hex nut with wrench until washer makes 1/4 turn and is square with channel.



- Available in 1/4"-20, 3/8"-16, 1/2"-13, and 5/8"-11.
- Can be installed at any desired position on the ATR, eliminating the need to thread hex nuts up along ATR.
- Combination design reduces on site material handling.
- Can be easily removed and adjusted.
- Slip on design allows you to retro-fit a trapeze without disassembling existing supports.
- Reduces installation time 42%.
- Replaces jam nuts in high vibratory applications.
- Load capacities similar to that of ATR.
- Available in Zinc Plated or 316 stainless steel.

Part #	Thread Size	Torque	Load Cap.	Wt./C	Qty
CBLSLWN1/4ZN	1/4"-20	6 ft-lbs	240 lbs	14.40	50
CBLSLWN3/8ZN	3/8"-16	6 ft-lb	730 lbs	15.40	50
CBLSLWN1/2ZN	1/2"-13	6 ft-lb	1350 lbs	18.80	50
CBLSLWN5/8ZN	5/8"-11	6 ft-lb	2100 lbs	25.40	50
CBLSLWN1/4SS6	1/4"-20	6 ft-lb	240 lbs	14.40	50
CBLSLWN3/8SS6	3/8"-16	6 ft-lb	730 lbs	15.40	50
CBLSLWN1/2SS6	1/2"-13	6 ft-lb	1350 lbs	18.80	50

NEW Combo Nut Washers - Bolt Framing



Help Reduce Installation Cost with Combo Nut Washers

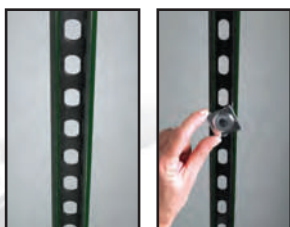
The Cooper B-Line Combo Nut Washer is a pre-assembled nut and washer, which helps reduce the number of parts that require handling. They are easy to adjust when installed in strut channel or for quick attachment to threaded rod.

Safety Factor of 3

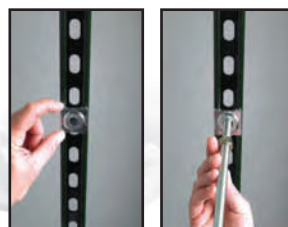
- Available in 1/4"-20, 3/8"-16, 1/2"-13
- Able to install using just one hand
- Combination design reduces the number of parts
- Serrated flange negates the need for a flat washer
- Allows for easy adjustment when installed in channel
- Provides quick attachment for threaded rod
- Helps reduce overall installation time

Part #	Thread Size	Torque	Load Cap. Pull-Out (lbs.)			Load Cap. Slip (lbs.)		
			12	14	16	12	14	16
STEEL COMBO NUT WASHER (CWN)								
CBLNW524	1/4" - 20	6 ft-lb	450	450	450	300	300	300
CBLNW528	3/8" - 16	19 ft-lb	1000	1000	1000	800	600	600
CBLNW525	1/2" - 13	25 ft-lb	1500	1500	1000	1000	700	700

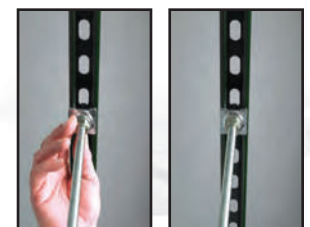
Part #	Thread Size	Torque	Load Cap. Pull-Out (lbs.)			Load Cap. Slip (lbs.)		
			12	14	16	12	14	16
316 STAINLESS STEEL (CWN)								
CBLNW524SS6	1/4" - 20	6 ft-lb	450	450	450	300	300	300
CBLNW528SS6	3/8" - 16	19 ft-lb	1000	1000	1000	800	600	600
CBLNW525SS6	1/2" - 13	25 ft-lb	1500	1500	1000	1000	700	700



Position combo nut into channel and rotate clockwise as nut seats in channel.



Slide combo nut into the desired location in the channel and insert threaded rod into nut. (Combo nut locks at 90 degree angle)



Thread the rod up through the nut and lock into place with hex nut. Rod is now ready for products to be installed.

16 gauge Brad Nails



BSTFNS250-16 Straight 60 - 120

Part #	Description
BRA161	BRAD NAIL 16G 1" 25MM
BRA16112	BRAD NAIL 16G 1 1/2" 38MM
BRA16114	BRAD NAIL 16G 1 1/4" 32MM
BRA16118	BRAD NAIL 16G 1 1/8"-28MM
BRA16134	BRAD NAIL 16G 1 3/4" 45MM
BRA16138	BRAD NAIL 16G 1 3/8"
BRA162	BRAD NAIL 16G 2" 50MM
BRA16212	BRAD NAIL 16G 2 1/2" 64MM
BRA1634	BRAD NAIL 16G 3/4" 20MM

23 Gauge Headless Pins



Part #	Description
BRA231	HEADLESS PIN 23G 1" 25MM
BRA231116	HEADLESS PIN 23G 1 1/16"
BRA23112	HEADLESS PIN 23G 1 1/2"
BRA23118	HEADLESS PIN 23G 1 1/8"
BRA2312	HEADLESS PIN 23G 1/2" 12M
BRA231316	HEADLESS PIN 23G 1 3/16"
BRA23134	HEADLESS PIN 23G 1 3/4"
BRA23138	HEADLESS PIN 23G 1 3/8"
BRA232	HEADLESS 23G 2"
BRA2334	HEADLESS PIN 23G 3/4"
BRA2338	HEADLESS PIN 23G 3/8"
BRA2358	PIN HEADLESS 23G 5/8" 16MM
BRA2378	HEADLESS PIN 23G 7/8"

15 gauge Angle Brads



Part #	Description
BRADA15GLV	BRAD ANGLE 15G 1 1/4" GAL
BRADA17	BRAD ANGLE 15G 1 1/2"
BRADA17GLV	BRAD ANGLE 15G 1 1/2" GAL
BRADA21	BRAD ANGLE 15G 2"
BRADA21GLV	BRAD ANGLE 15G 2" GALV
BRADA25	BRAD ANGLE 15G 2 1/2"
BRADA25GLV	BRAD ANGLE 15G 2 1/2" GAL

18 Gauge Brad Nails



BSTBNS200-18 Straight 60 - 120

Part #	Description
BRA181	BRAD NAIL 18G 1" 25MM
BRA18112	BRAD NAIL 18G 1 1/2" 38MM
BRA18114	BRAD NAIL 18G 1 1/4" 32MM
BRA1812	BRAD NAIL 18G 1/2"
BRA181316	BRAD NAIL 18G 1 3/16 30MM
BRA18134	BRAD NAIL 18G 1 3/4" 45MM
BRA18138	BRAD NAIL 18G 1 3/8" 35MM
BRA181916	BRAD NAIL 18G 1 9/16 40MM
BRA182	BRAD NAIL 18G 2" 50MM
BRA182532NH	BRAD NAIL 25/32 18G N/HD
BRA1834	BRAD NAIL 18G 3/4" 19MM
BRA1858	BRAD NAIL 18G 5/8" 16MM

15 Degree Coil Nails



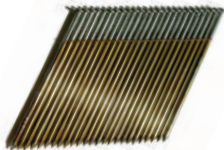
Part #	Description
15D114083GALV	NAIL COIL 1 1/4 RING
15D114083RING	NAIL COIL 114 BRIGHT RING
15D134083RSCR	NAIL COIL 134 15D RSCR
15D2-099SCR	NAIL COIL 2-099 BRIGHT
15D212-099SCR	NAIL COIL 212 15D SCR
15D214-099SCR	NAIL COIL 214 15D SCR
15D214-SOCBP	NAIL SCREW 214 SOC COILED
15D214-SOCBPWAL	NAIL SCREW 214 SOC COILED
15D238-099RNG	NAIL COIL 238 15D RING
15D3-120SPIRAL	NAIL COIL 3 SPIRAL BRIGHT
15D314-121GSCR	NAIL COIL 314 15D GAL/SCR
15D314-121SCR	NAIL COIL 314 15D SPIRAL
ROOF114COILGALV	NAIL COIL ROOF 114-120
ROOF134COILZC	NAIL COIL ROOF 134-120

21 Degree Plastic Coallated Strip Nails



Part #	Description
SPI21D212	NAIL STRIP 212 21D
SPI21D212SP	NAIL STRIP 212 21D SPIRAL
SPI21D214GALV	NAIL STRIP 214 21D GALV
SPI21D238	NAIL STRIP 238 21D RING
SPI21D314SM	NAIL STRIP 314 21D SMOOTH
SPI21D314SPRL	NAIL STRIP 314 21D SPIRAL
SPI21D3SM	*NAIL STRIP 3" 21D SMOOTH

28 Degree Wires Strip Coallated Nails



Part #	Description
SPI28D238RING	NAIL STRIP 238 28D RING
SPI28D238SMBOS	NAIL STRIP 238 28D SMOOTH
SPI28D314DBLGLV	NAIL STRIP 314 28 DEG
SPI28D314SM	NAIL STRIP 314 28D SMOOTH
SPI28D314SMBOS	NAIL STRIP 314 28DEG
SPI28D3SM	NAIL STRIP 3 28DEG SMOOTH

34 Degree Paper Tape Coallated Nails



Part #	Description
SPI31D238SMPAS	NAIL STRIP 238 31D PASLOD
SPI34D2113R	NAIL STRIP 2 34D RSCR
SPI34D238113RG	NAIL STRIP 238 34D RG SCR
SPI34D238113SM	NAIL STRIP 238 34D SMOOTH
SPI34D3120SEN	NAIL STRIP 3 34DEG SMOOTH
SPI34D3120SM	NAIL STRIP 3" .120 34DEG
SPI34D314120BR	NAIL STRIP 314 34 DEGREE
SPI34D314120SEN	NAIL STRIP 314 34DEG
SPI34D314120SMG	NAIL STRIP 314 34D SMGSCR



Medium Crown Flatwire - Hammer Tacker Staples

Part #	Description
STAA1114-10M	STAPLE MED CR 1/4" 10M/BX
STAA1114-5M	STAPLE MED CRN 1/4" 5M/BX
STAA1138	STAPLE MED CR 3/8" FLTWR

Medium Crown 3/8 - 10mm 16 Gauge - Hitachi 5008 & Senco N Series

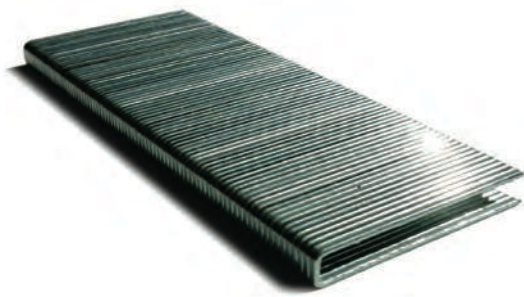
Part #	Description
STAN10	STAPLE MED CR 5/8" 16G
STAN11	STAPLE MED CR 3/4" 16G
STAN13	STAPLE MED CR 1" 16G
STAN15	STAPLE MED CR 1-1/4" 16G
STAN16	STAPLE MED CR 1-3/8" 18G
STAN17	STAPLE MED CR 1-1/2" 16G
STAN19	STAPLE MED CR 1-3/4" 16G
STAN21	STAPLE MED CR 2" 16G

Medium Crown 1/2 - 13mm 16 Gauge - Paslode GS Series

Part #	Description
STAGS16112	STAPLE MED CR 1-1/2" 16G
STAGS162	STAPLE MED CR 2" 16G

Medium Crown 16 Gauge - Bex 16/951 & Bostitch T40 Series

Part #	Description
STABCS1102	STAPLE 1" CROWN 1 1/2 LEG
STABCS1105	STAPLE MED CR 1" 16G
STABCS1107	STAPLE MED CR 1-1/4" 16G
STABCS1109	STAPLE MED CR 1-1/2" 16G
STABCS1112	STAPLE MED CR 2" 16G



Medium Crown 3/8 - 10mm 22 gauge

Part #	Description
STA1404	STAPLE MED CR 5/32"
STA1405	STAPLE MED CR 3/16"
STA1406	STAPLE MED CR 1/4"
STA1408	STAPLE MED CR 5/16"
STA1410	STAPLE MED CR 3/8"
STA1412	STAPLE MED CR 1/2"
STA1414	STAPLE MED CR 9/16"

**Medium Crown 7/16 18 Gauge -
Haubold 500 Series**

Part #	Description
STA512	STAPLE MED CR 1/2" 18G
STA525	STAPLE MED CR 1" 18G
STA528	STAPLE MED CR 1-1/8" 18G

**Narrow Crown 3/16 - 4.5mm 18 Gauge -
Bea 97 and Atro 93 Series**

Part #	Description
STA69006	STAPLE NAR CR 1/4" 20G
STA69010	STAPLE NAR CR 3/8" 20G
STA69012	STAPLE NAR CR 1/2" 20G
STA69014	STAPLE NAR CR 9/16" 20G
STA69016	STAPLE NAR CR 5/8" 20G
STA69019	STAPLE NAR CR 3/4" 20G
STA69025	STAPLE NAR CR 1" 20G

**Narrow Crown 1/4 - 6mm 18 Gauge -
Bostitch Hand Tackers**

Part #	Description
STASX50351-1/2G	STAPLE NAR CRN 1-1/2" 18G
STASX5035118G	STAPLE NAR CR 1 1/8" 18G
STASX503512G	STAPLE NAR CR 1/2" 18G
STASX50351316G	STAPLE NAR CR 1 3/16" 18G
STASX5035138G	STAPLE NAR CR 1 3/8" 18G
STASX50351G	STAPLE NAR CR 1" 18G
STASX503534G	STAPLE NAR CR 3/4" 18G
STASX503558G	STAPLE NAR CR 5/8" 18G
STASX503578G	STAPLE NAR CR 7/8" 18G



Narrow Crown 3/16 - 4MM 22 GAUGE

Part #	Description
STA3412	STAPLE NAR CR 3/8" 22G
STA3416	STAPLE NAR CR 1/2" 22G
STA3418	STAPLE NAR CR 9/16" 22G
STA3614	STAPLE MED CR 9/16" RNDTP

**Medium Crown 7/16 - 11mm Flatwire -
Hammer Tackers**

Part #	Description
STA67110	STAPLE MED CR 3/8" FLTWR
STA67112	STAPLE MED CR 1/2" FLTWR
STA67114	STAPLE MED CR 9/16" FLTWR

Medium Crown 3/8 - 9mm 22 Gauge

Part #	Description
STA7106	STAPLE MED CR 1/4" 22G
STA7108	STAPLE MED CR 5/16" 22G
STA7110	STAPLE MED CR 3/8" 22G
STA7112	STAPLE MED CR 1/2" 22G
STA7114	STAPLE MED CR 9/16" 22G
STA7119	STAPLE MED CR 3/8" FLTWR

**Narrow Crown 1/4 - 6mm 18 Gauge -
Haubold 60 and Fasco 90 Series**

Part #	Description
STAL08	STAPLE NAR CR 1/2" 18G
STAL10	STAPLE NAR CR 5/8" 18G
STAL11	STAPLE NAR CR 3/4" 18G
STAL12	STAPLE NAR CR 7/8" 18G
STAL13	STAPLE NAR CR 1" 18G
STAL14	STAPLE NAR CR 1 1/8" 18G
STAL14.5	STAPLE NAR CR 1 3/16" 18G
STAL14IC	STAPLE NAR CR 1 1/8" 18G
STAL15	STAPLE NAR CR 1 1/4" 18G
STAL16	STAPLE NAR CR 1 3/8" 18G
STAL17	STAPLE NAR CR 1 1/2" 18G
STAL17.5	STAPLE NAR CR 1 5/8" 18G