



GENERAL HARDWARE



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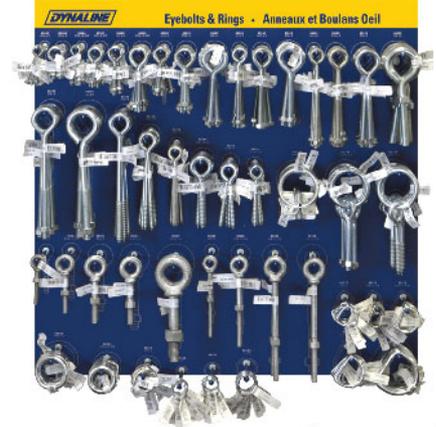
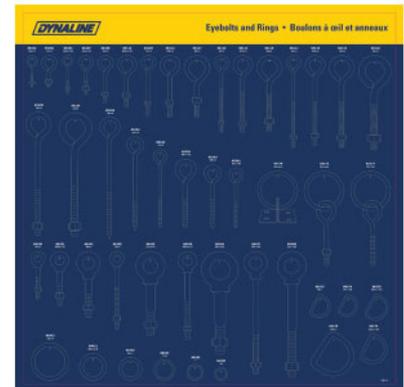
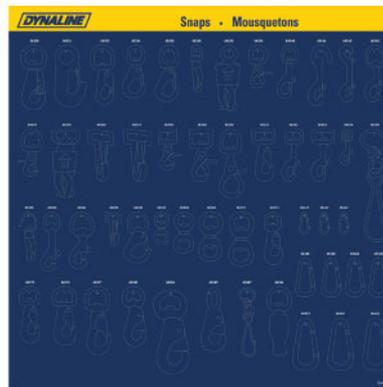
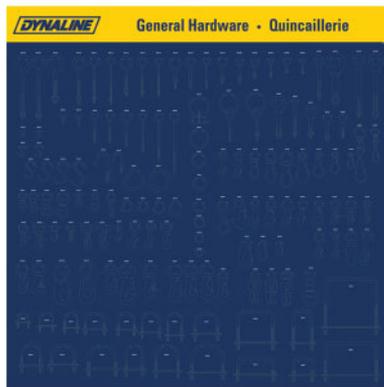
Your Trusted Source.



General Hardware

Dynaline General Hardware Merchandisers

Dynaline offers merchandisers for almost every product. Merchandisers keep your stock organized, visible and easy to shop.



General Hardware Merchandiser

PART#	CONTENTS
01081	General Hardware Backdrop Only , 48" x 48"
01081K	Full General Hardware Planogram . Includes 01081 and the products.

i Full product breakdown on page 41

Snaps Merchandiser

PART#	CONTENTS
00448	Snaps Display Board Only , 24" x 24"
00448K	Full Snaps Merchandiser . Includes 00448 display board, 52 pegs (80004) and products.

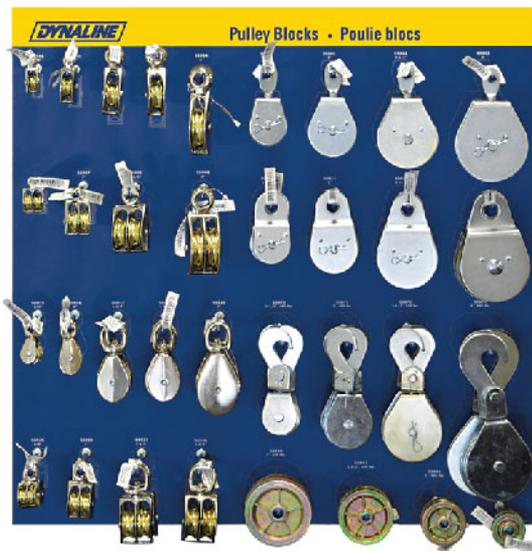
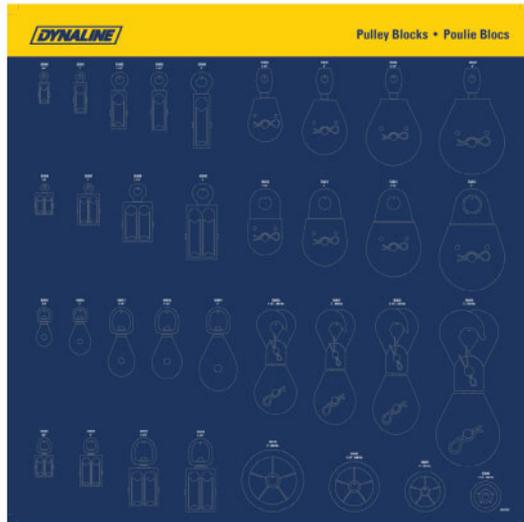
i Full product breakdown on page 43

Eyebolts & Rings Merchandiser

PART#	CONTENTS
00611	Eyebolts & Rings Display Board Only , 24" x 24"
00611K	Full Eyebolts & Rings Merchandiser . Includes 00611 display board, 47 pegs (80004) and the products.

i Full product breakdown on page 44

Sizes are approximate. Specifications subject to change without notice.

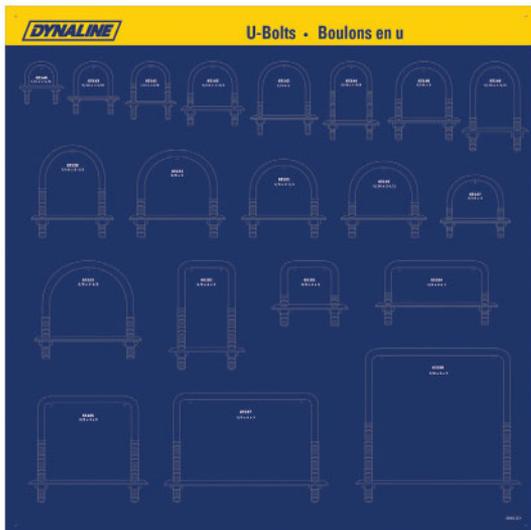


Pulley Blocks Merchandiser

PART#	CONTENTS
00334	Pulley Blocks Display Board Only , 24" x 24"
00334K	Full Pulley Blocks Merchandiser . Includes 00334 display board, 34 pegs (80004) and the products.



i Full product breakdown on page 46



U-Bolts Merchandiser

PART#	CONTENTS
00612	U-Bolts Display Board Only , 24" x 24"
00612K	Full U-Bolts Merchandiser . Includes 00612 display board, 26 pegs (80004) and the products.



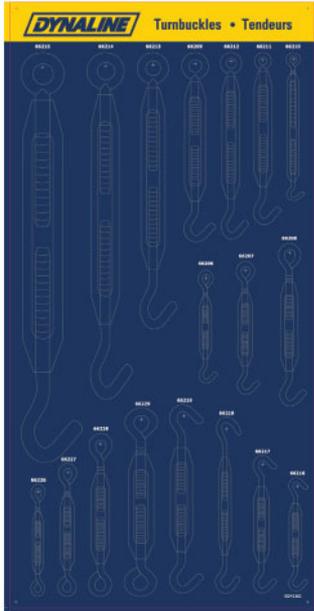
i Full product breakdown on page 45

Sizes are approximate. Specifications subject to change without notice.





General Hardware



Turnbuckles Merchandiser - General Purpose

PART#	CONTENTS
00416	Turnbuckles Display Board Only , 12" x 24"
00416K	Full General Purpose Turnbuckles Merchandiser. Includes 00416 display board, 19 pegs (80004) and products.

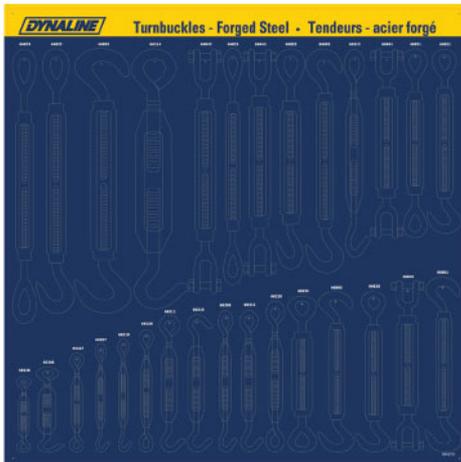
i Full product breakdown on page 48



Aluminum Pulleys Merchandiser

PART#	CONTENTS
00335	Aluminum Pulley Display Boards Only , two 24" x 24"
00335K	Full Aluminum Pulleys Merchandiser. Includes two 00335 display boards, 36 pegs (80004) and the products below:

i Full product breakdown on page 47



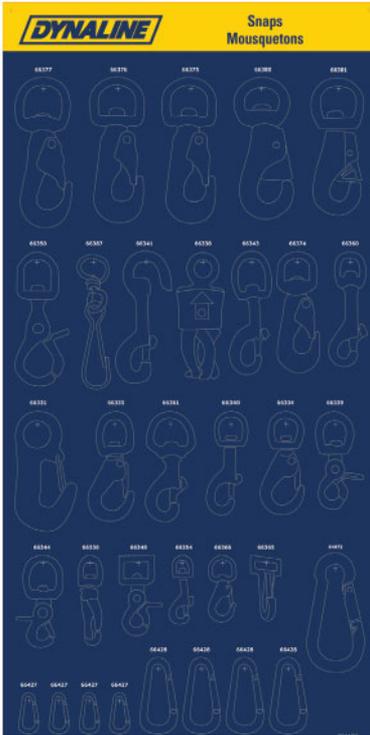
Turnbuckles Merchandiser - Forged Steel

PART#	CONTENTS
00417	Forged Steel Turnbuckles Display Board Only , 24" x 24"
00417K	Full Forged Steel Turnbuckles Merchandiser. Includes 00417 display board, 30 pegs (80004) and products.

i Full product breakdown on page 48

Sizes are approximate. Specifications subject to change without notice.

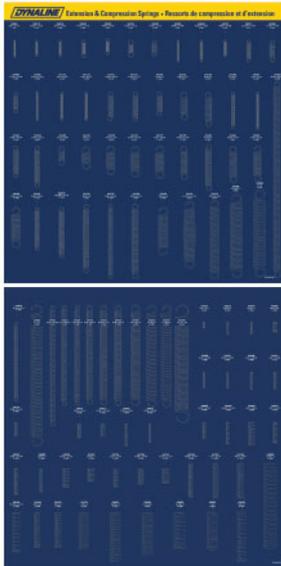




Snaps Merchandiser

PART#	CONTENTS
00447	Snaps Display Board Only , 12" x 24"
00447K	Full Snaps Merchandiser . Includes 00447 display board, 33 pegs (80004) and products.

i Full product breakdown on page 50



Springs Merchandiser - Retail Packaged

PART#	CONTENTS
00242	Springs Display Boards Only . Includes two 24" x 24" full color boards.
00242K	Full Springs Merchandiser . Includes 00242 display boards, 100 pegs (80004) and products.

i Full product breakdown on page 51

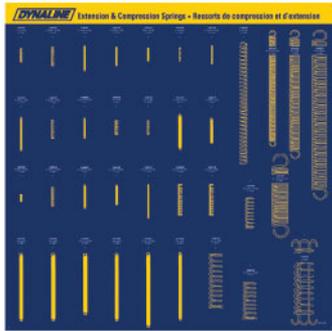
Springs - Expanded Selection 1

PART#	CONTENTS
00244	Springs Display Board Only , 24" x 24"
00244K	Full Springs Merchandiser Expansion 1 for 00242K. Includes 00242 display board, 34 pegs (80004) and products.

i Full product breakdown on page 52

Sizes are approximate. Specifications subject to change without notice





Springs - Expanded Selection 2

PART#	CONTENTS
00248	Springs Display Board Only , 24" x 24"
00248K	Full Springs Merchandiser Expansion 2 for 00242K. Includes 00248 display board, 36 pegs (80004) and products.

Full product breakdown on page 52



Retainer Rings Merchandiser

PART#	CONTENTS
00245	Retainer Rings Display Board Only , 24" x 24"
00245K	Full Retainer Rings Merchandiser. Includes 00245 display board, cornice hooks (65043) and products.

Full product breakdown on page 53



Machinery Bushings Merchandiser

PART#	CONTENTS
00235	Machinery Bushings Display Board Only , 12" x 24"
00235K	Full Machinery Bushings Merchandiser. Includes 00235 display board, 39 pegs (80004) and products.

Full product breakdown on page 55



Keystock



00285

PART#	CONTENTS
00285	Keystock Bin only. 8 compartments, made of durable blue plastic. Dimensions: 10" x 9-1/8" x 1-1/2"



00255K

PART#	CONTENTS
00255K	Full Square Keystock Merchandiser. 37 pieces, 12" long / 6 part #'s. Includes 00285 Keystock Bin.

PART#	CONTENTS
00265K	Full Rectangular Keystock Merchandiser. 37 pieces, 12" long / 8 part #'s. Includes 00285 Keystock Bin.

PART#	CONTENTS
00275K	Full Step Keystock Merchandiser. 16 pieces, 12" long / 8 part #'s. Includes 00285 Keystock Bin

Full product breakdown on page 55

Sizes are approximate. Specifications subject to change without notice.



Retainer Rings Tilt Bins Merchandiser

PART#	CONTENTS
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00746K Full Retainer Rings Tilt Bin Merchandiser. Dimensions: 23-5/8" x 2-1/2" x 26-1/2"
Includes Tilt Bins, assembly hardware and the products.

i Full product breakdown on page 54

For empty tilt bins, see the end of this merchandiser section.

General Hardware Bulk Merchandiser

PART#	CONTENTS
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00028 Bulk Display Rack Only - 72" x 32" x 24" - 7 shelves

00034K Full Merchandiser. 255 part #'s, 1930 pieces. Includes: 4 sign headers, bulk bin interlocking displays, bin labels.

i Full product breakdown on page 10



Sizes are approximate. Specifications subject to change without notice.

Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other



General Hardware



Solid - Die Cast Aluminum Pulleys

Single groove for 3L, 4L or "A" belts. Supplied with 5/16" x 1/2" UNC set screws.

	PART#	OUTSIDE DIAMETER	BORE	KEYWAY		PART#	OUTSIDE DIAMETER	BORE	KEYWAY
<input type="checkbox"/>	55400	1-1/2"	1/2"	No	<input type="checkbox"/>	55413	3"	3/4"	Yes
<input type="checkbox"/>	55401	1-1/2"	5/8"	No	<input type="checkbox"/>	55414	3-1/2"	1/2"	No
<input type="checkbox"/>	55402	2"	1/2"	No	<input type="checkbox"/>	55415	3-1/2"	5/8"	Yes
<input type="checkbox"/>	55403	2"	5/8"	Yes	<input type="checkbox"/>	55416	3-1/2"	3/4"	Yes
<input type="checkbox"/>	55404	2"	3/4"	Yes	<input type="checkbox"/>	55417	4"	1/2"	No
<input type="checkbox"/>	55405	2-1/4"	1/2"	No	<input type="checkbox"/>	55418	4"	5/8"	Yes
<input type="checkbox"/>	55406	2-1/4"	5/8"	Yes	<input type="checkbox"/>	55419	4"	3/4"	Yes
<input type="checkbox"/>	55407	2-1/4"	3/4"	Yes	<input type="checkbox"/>	55420	4-1/2"	1/2"	No
<input type="checkbox"/>	55408	2-1/2"	1/2"	No	<input type="checkbox"/>	55421	4-1/2"	5/8"	Yes
<input type="checkbox"/>	55409	2-1/2"	5/8"	Yes	<input type="checkbox"/>	55422	4-1/2"	3/4"	Yes
<input type="checkbox"/>	55410	2-1/2"	3/4"	Yes	<input type="checkbox"/>	55423	5"	1/2"	No
<input type="checkbox"/>	55411	3"	1/2"	No	<input type="checkbox"/>	55424	5"	5/8"	Yes
<input type="checkbox"/>	55412	3"	5/8"	Yes	<input type="checkbox"/>	55425	5"	3/4"	Yes



Spoked - Die Cast Aluminum Pulleys

	PART#	OUTSIDE DIAMETER	BORE	KEYWAY		PART#	OUTSIDE DIAMETER	BORE	KEYWAY
<input type="checkbox"/>	55426	6"	1/2"	No	<input type="checkbox"/>	55430	7"	5/8"	Yes
<input type="checkbox"/>	55427	6"	5/8"	Yes	<input type="checkbox"/>	55431	7"	3/4"	Yes
<input type="checkbox"/>	55428	6"	3/4"	Yes	<input type="checkbox"/>	55433	8"	5/8"	Yes
<input type="checkbox"/>	55429	7"	1/2"	No	<input type="checkbox"/>	55434	8"	3/4"	Yes



Variable Speed - Die Cast Aluminum Pulleys

Solid type. For "A" & "B" belts. Opening the pulley increases the speed at which it rotates. Supplied with set screws.

	PART#	OUTSIDE DIAMETER	BORE	KEYWAY
<input type="checkbox"/>	55490	3-1/4"	1/2"	No
<input type="checkbox"/>	55491	3-1/4"	5/8"	Yes
<input type="checkbox"/>	55492	3-1/4"	3/4"	Yes



Single Fixed - Die Cast Awning Pulleys

	PART#	PULLEY DIAMETER	ROPE DIAMETER	EYE DIAMETER	W.L.L.
<input type="checkbox"/>	55900	3/4"	up to 3/16"	3/16"	65 lb
<input type="checkbox"/>	55901	1"	up to 1/4"	1/4"	110 lb
<input type="checkbox"/>	55902	1-1/4"	up to 3/8"	3/8"	165 lb
<input type="checkbox"/>	55903	1-1/2"	up to 3/8"	3/8"	220 lb
<input type="checkbox"/>	55904	2"	up to 1/2"	1/2"	330 lb

Sizes are approximate. Specifications subject to change without notice.

Double Fixed - Die Cast Awning Pulleys

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PART#	PULLEY DIAMETER	ROPE DIAMETER	EYE DIAMETER	W.L.L.
55906	3/4"	up to 3/16"	3/16"	65 lb
55907	1"	up to 1/4"	3/16"	110 lb
55908	1-1/2"	up to 3/8"	3/8"	220 lb
55909	2"	up to 1/2"	1/2"	330 lb



Single Swivel - Die Cast Awning Pulleys

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PART#	PULLEY DIAMETER	ROPE DIAMETER	EYE DIAMETER	W.L.L.
55915	3/4"	up to 3/16"	1/2"	65 lb
55916	1"	up to 1/4"	7/16"	110 lb
55917	1-1/4"	up to 3/8"	13/16"	165 lb
55918	1-1/2"	up to 3/8"	13/16"	220 lb
55919	2"	up to 1/2"	13/16"	330 lb



Double Swivel - Die Cast Awning Pulleys

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PART#	PULLEY DIAMETER	ROPE DIAMETER	EYE DIAMETER	W.L.L.
55925	3/4"	up to 3/16"	7/16"	65 lb
55926	1"	up to 1/4"	7/16"	110 lb
55927	1-1/4"	up to 3/8"	13/16"	165 lb
55928	1-1/2"	up to 3/8"	13/16"	220 lb



Swivel - Steel Pulley Blocks

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-

PART#	SHEAVE DIAMETER	LENGTH	ROPE DIAMETER	EYE DIAMETER	W.L.L.
55800	1-1/2"	3-1/2"	up to 3/8"	3/8"	460 lb
55801	2"	4"	up to 3/8"	3/8"	480 lb
55802	2-1/2"	4-1/2"	up to 3/8"	3/8"	550 lb
55803	3"	4-3/4"	up to 1/2"	3/8"	650 lb



Fixed - Steel Pulley Blocks

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-
-
-

PART#	SHEAVE DIAMETER	LENGTH	ROPE DIAMETER	EYE DIAMETER	W.L.L.
55810	1-1/2"	3-1/4"	up to 3/8"	1/2"	420 lb
55811	2"	3-3/4"	up to 3/8"	1/2"	480 lb
55812	2-1/2"	4-1/4"	up to 3/8"	1/2"	550 lb
55813	3"	4-3/4"	up to 3/8"	3/4"	650 lb



Sizes are approximate. Specifications subject to change without notice.



Swivel Eye - Steel Pulley Blocks (Deuer Type)

PART#	DIAMETER	LENGTH	MAXIMUM CABLE DIAMETER	EYE DIAMETER	W.L.L.
55850	1-1/2"	3-1/2"	3/16"	3/8"	460 lb
55851	2"	4-1/2"	3/16"	3/8"	480 lb
55852	2-1/2"	5"	1/4"	3/8"	550 lb
55853	3"	4-3/4"	1/4"	3/8"	650 lb



Fixed Eye - Steel Pulley Blocks (Deuer Type)

PART#	DIAMETER	LENGTH	MAXIMUM CABLE DIAMETER	EYE DIAMETER	W.L.L.
55860	1-1/2"	3-1/4"	3/16"	1/2"	420 lb
55861	2"	3-3/4"	3/16"	1/2"	480 lb
55862	2-1/2"	4-1/4"	1/4"	1/2"	550 lb
55863	3"	4-3/4"	1/4"	3/4"	650 lb



Double Hook With Swivel Eye - Steel Pulley Blocks (Deuer Type)

PART#	DIAMETER	LENGTH	MAXIMUM CABLE DIAMETER	W.L.L.
<input type="checkbox"/> 55870	1-1/2"	5"	3/16"	460 lb
<input type="checkbox"/> 55871	2"	5-1/2"	3/16"	480 lb
<input type="checkbox"/> 55872	2-1/2"	6"	1/4"	550 lb
<input type="checkbox"/> 55873	3"	7-1/2"	1/4"	650 lb



Single Hook - Steel Pulley Blocks (Deuer Type)

PART#	DIAMETER	LENGTH	MAXIMUM CABLE DIAMETER	W.L.L.
55880	1-1/2"	5"	3/16"	460 lb
55881	2"	5-1/2"	3/16"	480 lb
55882	2-1/2"	6"	1/4"	550 lb
55883	3"	7-1/2"	1/4"	650 lb

Sizes are approximate. Specifications subject to change without notice.



Replacement Sheaves

For heavy duty pulley blocks. Bronze bushing bore.

PART#	SHEAVE DIAMETER	BORE SIZE	W.L.L.
55890	1-1/2"	5/16"	460 lb
55891	2"	5/16"	480 lb
55892	2-1/2"	5/16"	550 lb
55893	3"	5/16"	650 lb
55840	1-1/2"	5/16"	420 lb
55841	2"	5/16"	480 lb
55842	2-1/2"	5/16"	550 lb
55843	3"	7/16"	650 lb



Stake Hooks - Stake Rack Hardware

Ductile iron. Clear zinc plated finish. Rockwell hardness: 5.4 – 18 (HRC).

PART#	DESCRIPTION	PIN LENGTH	PIN DIAMETER
23050	Left-Hand	3"	9/16"
23051	Right-Hand	3"	9/16"
23052	Left-Hand	6"	9/16"
23053	Right-Hand	6"	9/16"



Stake Eye - Stake Rack Hardware

PART#	EYE INSIDE DIAMETER
23054	5/8"



Stake Pocket

PART#	DESCRIPTION
102395	Stake pocket, 1-1/2" x 3-1/4" opening x 2-1/4" high powder coat finish, black



S-Hooks

Clear zinc plated finish.

BAG PACKAGE		DYNAPAK PACKAGE		WIRE DIAMETER	OVERALL LENGTH
PART#	PACKAGE QUANTITY	PART #	PACKAGE QUANTITY		
66230	10	96230	10	0.093" (3/32")	1"
66232	10	96232	10	0.105" (7/64")	1-3/32"
66234	10	96234	10	0.120" (1/8")	1-3/8"
66235	10	96235	10	0.162" (5/32")	1-1/2"
66236	10	96236	6	0.141" (9/64")	2-1/8"
66238	10	96238	6	0.250" (1/4")	2-5/8"
66239	10	96239	6	0.188" (3/16")	3"



Sizes are approximate. Specifications subject to change without notice.



Tarp Hooks

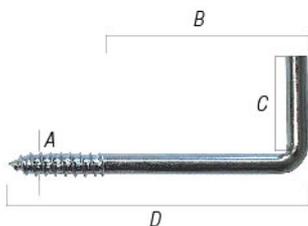
Zinc plated formed steel.



PART#	WIRE DIAMETER	OVERALL LENGTH	PACKAGE QUANTITY
66423	3/8"	3-1/2"	10
66424	1/4"	2-1/2"	10

Cornice Hooks

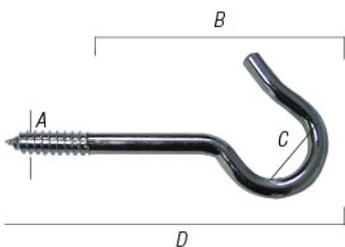
Clear zinc plated finish.



PART#	A	B	C	D	PACKAGE QUANTITY
65040	9/32"	1-3/4"	1"	3-1/16"	10
65041	3/16"	1-5/8"	7/8"	2-5/8"	10
65042	5/32"	1-3/8"	13/16"	2-1/4"	10
65043	1/8"	1-1/8"	11/16"	1-13/16"	10
65044	3/32"	3/4"	1/2"	1-3/8"	10

Screw Hooks

Clear zinc plated finish.



PART#	A	A (DECIMAL)	B	C	C (DECIMAL)	D	PACKAGE QUANTITY
65070	1/4"	0.25"	3-1/16"	1-1/32"	1.03	4-5/16"	10
65071	7/32"	0.21"	3-3/16"	1"	25.4	4-7/16"	10
65072	3/16"	0.19"	2-5/8"	27/32"	84.38	3-7/8"	10
65073	5/32"	0.158"	2-1/8"	11/16"	17.44	3-3/8"	10
65074	1/8"	0.138"	2-9/16"	1/2"	13.2	2-9/16"	10
65075	7/64"	0.112"	2-1/16"	13/32"	0.41	2-1/16"	10
65076	3/32"	0.086"	1-1/16"	9/32"	0.28	1-11/16"	10
65077	5/64"	0.073"	3/4"	15/16"	0.94	1-5/16"	10

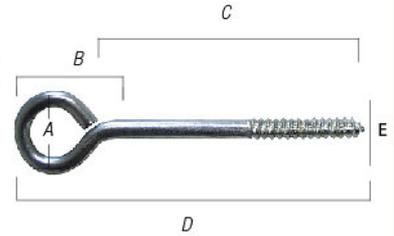
Sizes are approximate. Specifications subject to change without notice.



Lagscrew Eyebolts

Clear zinc plated finish.

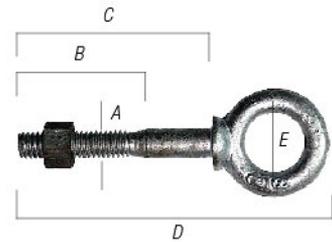
	PART#	A	B	C	D	E	PACKAGE QUANTITY
	65161	1/4"	1-5/16"	2-3/4"	3-3/4"	1/2"	10
	65162	1/4"	1-7/8"	4"	5"	1/2"	10
	65163	5/16"	1-7/8"	2-3/4"	4"	5/8"	10
	65164	5/16"	1-7/8"	4-3/4"	6"	5/8"	10
	65165	3/8"	1-15/16"	3"	4-1/2"	3/4"	10
	65166	3/8"	2-7/8"	6-1/2"	8"	3/4"	10



Shoulder Eyebolts

Forged steel. Galvanized finish. Supplied with nut. Sold individually.

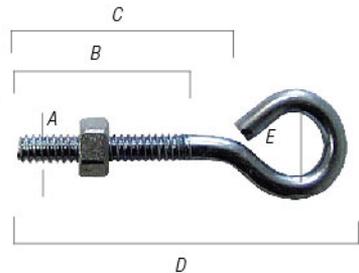
	PART#	A	B	C	D	E	W.L.L.
	66100	1/4"	1-1/2"	2"	3"	1/2"	500 lb
	66101	5/16"	1-1/2"	2-1/4"	3-1/2"	5/8"	800 lb
	66102	3/8"	1-1/2"	2-1/2"	4"	3/4"	1,200 lb
	66103	1/2"	1-1/2"	3-1/4"	5-1/4"	1"	2,200 lb
	66104	5/8"	1-3/4"	4"	6-1/2"	1-1/4"	3,500 lb
	66105	1/4"	2-1/2"	4"	5"	1/2"	500 lb
	66106	5/16"	2-1/2"	4-1/4"	5-1/2"	5/8"	800 lb
	66107	3/8"	2-1/2"	6"	7-1/2"	3/4"	1,200 lb
	66108	1/2"	3"	6"	7-3/4"	1"	2,200 lb



Eyebolts

Wire Formed. Supplied with Nut. Zinc plated finish.

	PART#	A	B	C	D	E	PACKAGE QUANTITY
	65102	3/16"	1"	1-3/8"	2"	3/8"	10
	65104	3/16"	1-5/8"	1-3/4"	2-1/2"	3/8"	10
	65106	1/4"	1"	1"	2"	9/16"	10
	65107	1/4"	1-3/8"	1-1/2"	2-1/2"	9/16"	10
	65108	1/4"	1-3/4"	2"	3"	9/16"	10
	65109	1/4"	2-3/4"	3"	4"	9/16"	10
	65110	1/4"	3"	4"	5"	9/16"	10
	65111	1/4"	3"	5"	6"	9/16"	10
	65112	5/16"	1-3/4"	2"	3-1/4"	3/4"	10
	65113	5/16"	2-3/16"	2-1/2"	4"	3/4"	10
	65114	5/16"	3"	3-1/2"	5"	3/4"	10
	65115	5/16"	3"	4-1/2"	6"	3/4"	10
	65117	3/8"	2"	2-1/4"	4"	1"	10
	65118	3/8"	3"	3-1/4"	5"	1"	10
	65119	3/8"	3"	4-1/4"	6"	1"	10
	65120	3/8"	3"	6-1/4"	8"	1"	10
	65123	1/2"	3"	3-3/4"	6"	1-1/4"	10
	65124	1/2"	3"	5-3/4"	8"	1-1/4"	10



General Hardware



Sizes are approximate. Specifications subject to change without notice.

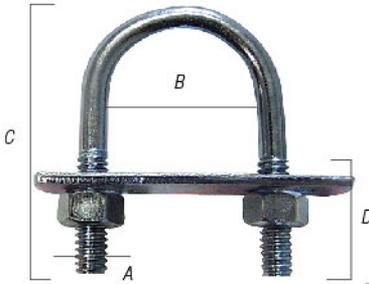
Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other



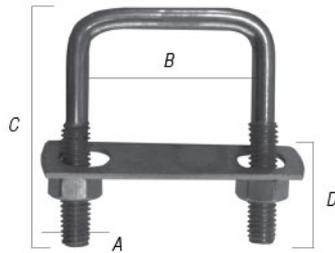
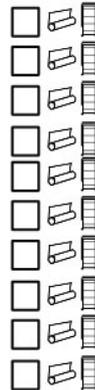


U-Bolts - Round

Q235 Steel-Grade 2. Supplied with 3/32" mounting plate & nuts. Clear zinc plated. 10 pieces per package. UNC threading (coarse).

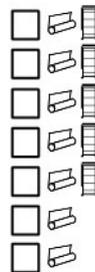


PART#	A	B	C	D	THREADS / INCH	PIPE
65140	1/4"	1-1/8"	2"	1"	20	3/4"
65141	1/4"	1-3/8"	2-3/4"	1-1/4"	20	1"
65142	1/4"	2"	3-1/2"	1-3/4"	20	1-1/2"
65143	5/16"	1-3/8"	2-1/2"	1"	18	1"
65144	5/16"	1-3/8"	3-11/16"	2-3/8"	18	1"
65145	5/16"	1-3/4"	3"	1-1/2"	18	1-1/4"
65146	5/16"	1-3/4"	4-3/16"	2-3/4"	18	1-1/4"
65147	5/16"	2"	3"	1-1/2"	18	1-1/2"
65148	5/16"	2"	3-3/4"	2-1/8"	18	1-1/2"
65149	5/16"	2-1/2"	3-1/2"	1-1/2"	18	2"
65150	5/16"	2-1/2"	4-3/16"	2-3/8"	18	2"
65151	3/8"	2-1/2"	3-5/8"	1-3/4"	16	2"
65152	3/8"	3"	4-1/8"	1-3/4"	16	2-1/2"
65153	3/8"	3-1/2"	4-5/8"	2"	16	3"



U-Bolts - Square

Q235 Steel-Grade 2. Supplied with 3/32" mounting plate & nuts. Clear zinc plated. 5 pieces per package. UNC Threading (coarse)



PART#	A	B	C	D
65181	3/8"	2"	3"	1-1/2"
65182	3/8"	2"	5"	3"
65184	3/8"	4"	3"	1-1/2"
65185	3/8"	4"	5"	3"
65187	3/8"	6"	5"	3"
65188	3/8"	6"	7"	3-3/4"

Mounting Rings

Clear zinc plated. 10 pieces per package.



PART#	DESCRIPTION	PIN DIAMETER	THREAD LENGTH	RING I.D.	ADDITIONAL INFORMATION
65172	4-1/4" Eyebolt Length	3/8"	2-1/2"	2"	Supplied with nut
65177	4-1/2" Lagscrew Eyebolt Length	5/16"	2"	2"	N/A
65178	2" x 1-9/16" Mounting Plate			2"	Mounting holes are 1/4" Diameter

Sizes are approximate. Specifications subject to change without notice.

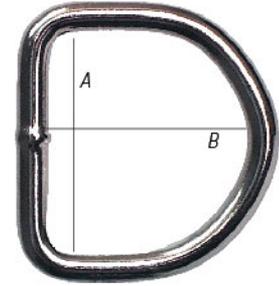


D-Rings

	PART#	WIRE DIAMETER	A	B	PACKAGE QUANTITY
	66173	1/8"	1"	7/8"	10
	66174	1/8"	1-1/8"	7/8"	10
	66175	5/32"	1-5/16"	1"	10
	66176	5/32"	1-5/8"	1-1/8"	10

Heavy Duty D-Rings

	PART#	WIRE DIAMETER	A	B	PACKAGE QUANTITY
	66178	5/16"	2"	1-3/4"	10
	66179	3/8"	2"	1-7/8"	10



Split Key Rings

	PART#	WIRE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	PACKAGE QUANTITY
	66180	0.066"	5/8"	3/4"	10
	66182	0.075"	27/32"	1"	10
	66184	0.087"	1-5/64"	1-1/4"	10



Harness Ring

	PART#	WIRE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	PACKAGE QUANTITY
	66390	3/16"	1-1/4"	1-5/8"	5



Welded Steel Ring

	PART#	WIRE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	W.L.L.	PACKAGE QUANTITY
	66410	1/4"	1"	1-1/2"	200 lb	10
	66411	5/16"	1-1/8"	1-3/4"	250 lb	10
	66412	7/32"	1-9/16"	2"	200 lb	10



Hook & Eye Turnbuckles (Wire Formed Ends)

For light duty applications. Zinc die cast bodies. Zinc plated steel wire formed ends. 10 pieces per package.

	PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A	B	C	W.L.L.	U.L.L.
	66206	7/32"	4-1/2"	6-1/2"	3/8"	5/16"	2"	120 lb	350. lb
	66207	1/4"	5-3/8"	7-11/16"	7/16"	3/8"	2-3/8"	190 lb	570 lb
	66208	5/16"	6-1/2"	9-5/16"	7/16"	9/16"	2-13/16"	290 lb	875 lb
	66209	3/8"	7-1/2"	10-5/8"	5/8"	9/16"	3-1/8"	375 lb	1,125 lb



Sizes are approximate. Specifications subject to change without notice.

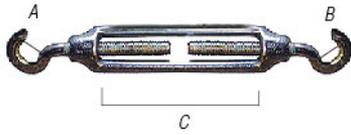
Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other





Hook & Hook Turnbuckles (Wire Formed Ends)

For light duty applications. Zinc die cast bodies. Zinc plated steel wire formed ends. 10 pieces per package.

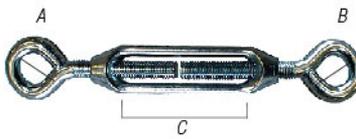


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PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66216	7/32"	4-1/2"	6-1/2"	5/16"	2"	120 lb	350 lb
66217	1/4"	5-1/2"	7-9/16"	7/16"	2-3/8"	190 lb	570 lb
66218	5/16"	6-1/2"	6-1/4"	7/16"	2-13/16"	340 lb	1,020 lb
66219	3/8"	7"	10-5/8"	1/2"	3-1/8"	400 lb	1,200 lb

Eye & Eye

For light duty applications. Zinc die cast bodies. Zinc plated steel wire formed ends. 10 pieces per package.

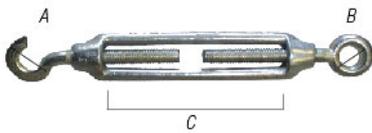


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PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66226	3/16"	4-1/2"	6-1/2"	3/8"	2"	120 lb	350 lb
66227	1/4"	5-1/2"	7-9/16"	3/8"	2-3/8"	190 lb	570 lb
66228	5/16"	6-1/2"	9-1/4"	7/16"	2-3/4"	340 lb	1,020 lb
66229	3/8"	7"	10-5/8"	1/2"	3-1/8"	400 lb	1,200 lb

Hook & Eye Turnbuckles (Malleable Iron)

Malleable iron bodies and forged steel ends. Hot dipped galvanized finish.



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PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66210	6mm	5-3/16"	8-1/16"	3/8"	2-3/4"	132 lb	396 lb
66211	8mm	6-1/2"	9-1/16"	7/16"	3-9/16"	264 lb	792 lb
66212	10mm	7-5/16"	10-1/4"	15/32"	3-3/4"	396 lb	1,188 lb
66213	12mm	10-7/16"	16"	19/32"	5-1/2"	726 lb	2,178 lb
66214	16mm	13-3/8"	19-11/16"	3/4"	7-1/8"	1,320 lb	3,960 lb
66215	20mm	15-3/4"	22-1/16"	1"	8-1/4"	1,980 lb	5,940 lb

Hook & Hook Turnbuckles (Forged Steel)

Forged steel bodies & ends. Hot dipped galvanized finish. Features a lock nut on each end. Meets Spec. FF-T791b, Type 1, Form 1, Class 5.



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PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66800	1/4"	8"	12"	7/16"	4"	400 lb	2,000 lb
66801	5/16"	9-1/4"	13-3/4"	1/2"	4-1/2"	700 lb	3,500 lb
66802	3/8"	11-3/4"	17-3/4"	9/16"	6"	1,000 lb	5,000 lb
66803	1/2"	13-3/8"	20-3/8"	11/16"	6"	1,500 lb	7,500 lb
66804	1/2"	16-3/8"	26-3/8"	11/16"	9"	1,500 lb	7,500 lb
66805	1/2"	19-3/8"	32-3/8"	11/16"	12"	1,500 lb	7,500 lb
66806	5/8"	15-1/4"	22-1/2"	7/8"	6"	2,250 lb	11,250 lb
66807	5/8"	18-1/4"	28-1/2"	7/8"	9"	2,250 lb	11,250 lb
66808	5/8"	21-1/4"	34-1/2"	7/8"	12"	2,250 lb	11,250 lb
66809	3/4"	17-1/4"	24-3/4"	1"	6"	3,000 lb	15,000 lb
66810	3/4"	20-1/4"	30-3/4"	1"	9"	3,000 lb	15,000 lb
66811	3/4"	23-1/4"	36-3/4"	1"	12"	3,000 lb	15,000 lb

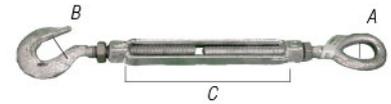
Sizes are approximate. Specifications subject to change without notice.



Hook & Eye Turnbuckles (Forged Steel)

Forged steel bodies & ends. Hot dipped galvanized finish. Features a lock nut on each end. Meets Spec. FF-T791b, Type 1, Form 1, Class 6.

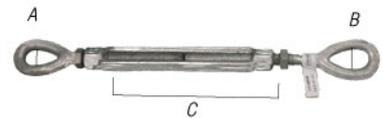
	PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A	B	C	W.L.L.	U.L.L.
<input type="checkbox"/>	66820	1/4"	8"	12"	11/32"	7/16"	3-3/4"	400 lb	2,000 lb
<input type="checkbox"/>	66821	5/16"	9-1/2"	13-1/2"	7/16"	1/2"	4-1/2"	700 lb	3,500 lb
<input type="checkbox"/>	66822	3/8"	12"	18"	17/32"	9/16"	6"	1,000 lb	5,000 lb
<input type="checkbox"/>	66823	1/2"	13-5/8"	20-5/8"	23/32"	11/16"	6"	1,500 lb	7,500 lb
	66824	1/2"	16-5/8"	26-5/8"	23/32"	11/16"	9"	1,500 lb	7,500 lb
	66825	1/2"	19-5/8"	32-5/8"	23/32"	11/16"	12"	1,500 lb	7,500 lb
	66826	5/8"	15-1/2"	22-3/4"	7/8"	29/32"	6"	2,250 lb	11,250 lb
	66827	5/8"	18-1/2"	28-3/4"	7/8"	29/32"	9"	2,250 lb	11,250 lb
	66828	5/8"	21-1/2"	34-3/4"	7/8"	29/32"	12"	2,250 lb	11,250 lb
	66829	3/4"	17-1/2"	25"	1"		6"	3,000 lb	15,000 lb
	66880	3/4"	20-1/2"	31"	1"		9"	3,000 lb	15,000 lb
	66881	3/4"	23-1/2"	31"	1"		12"	3,000 lb	15,000 lb



Eye & Eye Turnbuckles (Forged Steel)

Forged steel bodies & ends. Hot dipped galvanized finish. Features a lock nut on each end. Meets Spec. FF-T791b, Type 1, Form 1, Class 4.

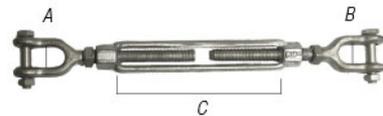
	PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
<input type="checkbox"/>	66830	1/4"	8-1/4"	12-1/4"	11/32"	4"	500 lb	2,500 lb
<input type="checkbox"/>	66831	5/16"	9-5/8"	14-1/8"	7/16"	4-1/2"	800 lb	4,000 lb
<input type="checkbox"/>	66832	3/8"	12-1/8"	18-1/8"	17/32"	6"	1,200 lb	6,000 lb
<input type="checkbox"/>	66833	1/2"	14"	21"	23/32"	6"	2,200 lb	11,000 lb



Jaw & Jaw Turnbuckles (Forged Steel)

Forged steel bodies & ends. Hot dipped galvanized finish. Features a lock nut on each end. Meets Spec. FF-T791b, Type 1, Form 1, Class 6.

	PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
<input type="checkbox"/>	66840	1/4"	8"	12"	7/16"	4"	500 lb	2,500 lb
<input type="checkbox"/>	66841	5/16"	9-1/2"	14"	1/2"	4-1/2"	800 lb	4,000 lb
<input type="checkbox"/>	66842	3/8"	11-3/8"	17-3/8"	17/32"	6"	1,200 lb	6,000 lb
<input type="checkbox"/>	66843	1/2"	13"	20"	21/32"	6"	2,200 lb	11,000 lb
	66844	1/2"	16"	26"	21/32"	9"	2,200 lb	11,000 lb
	66845	1/2"	19"	32"	21/32"	12"	2,200 lb	11,000 lb
	66846	5/8"	14-7/8"	22-1/8"	25/32"	6"	3,500 lb	17,500 lb
	66847	5/8"	17-7/8"	28-1/8"	25/32"	9"	3,500 lb	17,500 lb
	66848	5/8"	20-7/8"	34-1/8"	25/32"	12"	3,500 lb	17,500 lb
	66849	3/4"	16-5/8"	24-1/8"	15/16"	6"	5,200 lb	26,000 lb
	66850	3/4"	19-5/8"	30-1/8"	15/16"	9"	5,200 lb	26,000 lb
	66851	3/4"	22-5/8"	36-1/8"	15/16"	12"	5,200 lb	26,000 lb



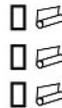
Sizes are approximate. Specifications subject to change without notice.





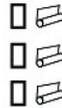
Stainless Steel Bolt Snaps

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
64100	1/2"	9/32"	3-3/16"	5
64101	3/4"	11/32"	3-1/2"	5



Stainless Steel Security Snaps

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	W.L.L.	PACKAGE QUANTITY
64102	5/8"	3/8"	3-3/8"	100 lb	5
64103	3/4"	1/2"	3-7/8"	200 lb	5
64104	7/8"	1/2"	4-5/8"	300 lb	5



Stainless Steel Spring Snaps

PART#	EYE INSIDE DIAMETER	OVERALL LENGTH	PACKAGE QUANTITY
64105	1/4"	1-7/8"	5
64106	3/8"	2-5/8"	5
64107	1/2"	3-7/8"	5



Stainless Steel Boat Snaps

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
64108	1/2"	1/4"	2"	5
64109	5/8"	7/16"	2-3/4"	5
64110	3/4"	9/16"	3-1/4"	5
64111	3/4"	5/8"	3-7/8"	5



Aluminum Spring Snap

Zinc plated.

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
64112	1/2"	1/4"	2-3/8"	5

66137



Safety Lanyard Snaps

PART#	TYPE	A	B	W.L.L.	U.L.L.
66137	Single latch	1-1/16"	3/4"	1,000 lb	5,000 lb
66137S	Double latch	1-1/16"	1"	1,000 lb	5,000 lb

66137S

Sizes are approximate. Specifications subject to change without notice.

Bull Snap

Zinc die cast and nickel plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66330	1"	5/8"	4-1/8"	5



Solid Snap Hook

Forged steel.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66331	1 1/16"	5/8"	3-1/2"	5



Cap Snap

Zinc plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66332	1"	3/8"	3-5/8"	5



Swivel Eye Snaps

Zinc plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66334	3/4"	7/16"	3-1/4"	5
66335	7/8"	7/16"	3-1/2"	5



Dog Lead Snap

Zinc plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66336	3/8"	1/4"	2-1/2"	5



Sizes are approximate. Specifications subject to change without notice.



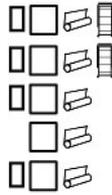


General Hardware



Trigger Snaps

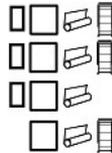
Zinc plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66339	5/8"	1/2"	2-1/2"	5
66344	3/4"	1/2"	2-3/4"	5
66348	3/4"	3/8"	2-1/2"	5
66349	3/4"	1	3-1/2"	5
66350	3/4"	3/4"	3-7/8"	5

Bolt Snaps

Zinc plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66340	1/2"	11/16"	3-3/8"	5
66343	1/2"	3/4"	3-1/2"	5
66354	1/4"	7/16"	2-1/8"	5
66342	3/8"	7/16"	3-1/2"	5

Bolt Snaps

Solid Brass.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66360	1/2"	9/16"	3"	5

Bolt Snaps

Brass.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66361	1"	1/2"	3-1/2"	5

Bolt Snaps

Nickel Plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66366	9/16"	3/4"	3-1/4"	5

Sizes are approximate. Specifications subject to change without notice.



Open Eye Snaps

Zinc Plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66341	13/16"	1/2"	3-9/16"	5

Loop Snaps

Zinc Plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66346	3/4"	1/2"	3-1/8"	5



66347	1"	1/2"	2-15/16"	5
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Swivel Loop Snaps

Nickel Plated.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66352	3/4"	3/8"	3-1/4"	5



66353	1"	3/8"	3-1/4"	5
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Open Decoy Snaps

Zinc Die Cast.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66355	1/2"	1/4"	2-1/2"	5

Spring Snap

Zinc Die Cast.



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66351	1"	7/16"	3-1/8"	5

Baby Square Eye Snaps



PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66365	5/8"	1/4"	1-7/8"	5

Swivel Snaps

Zinc Plated.



PART#	EYE INSIDE DIAMETER	SNAP EYE	OVERALL LENGTH	PACKAGE QUANTITY
66367	1/2"	--	2"	5



66368	5/8"	--	2-7/16"	5
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66369	3/4"	--	2-5/8"	5
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66370	1"	--	3"	5
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66371	3/8"	--	1-3/4"	5
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Nickel Plated.



66372	3/8"	11/16"	2-3/8"	5
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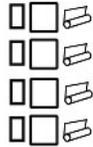
General Hardware

Sizes are approximate. Specifications subject to change without notice.

Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other

DYNALINE





Lever Snaps

Nickel Plated.

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66374	5/8"	1/2"	3-1/4"	5
66375	3/4"	7/16"	3-1/2"	5
66376	1"	3/8"	3-1/2"	5
66377	1-1/8"	9/16"	4-7/16"	5



Security Snaps

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66380	7/8"	9/16"	3-7/8"	5
66381	1-1/8"	9/16"	5-1/8"	5



Swivel Security Snaps

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66394	1"	1"	4-1/8"	5



Panic Snap

Zinc plated.

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66338	1/2"	1"	4-1/16"	5



Eye Bull Snaps

Nickel Plated.

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66385	3/4"	9/16"	3-3/4"	5



Flat Spring Snap - Simplex

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66356	11/16"	5/16"	4-3/8"	5
66387	1/2"	1/4"	2-3/4"	5



Bronze Animal Snap

PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66392	1"	9/16"	4-1/2"	5

Sizes are approximate. Specifications subject to change without notice.



Steel Snap Links

Formed steel with clear zinc plated finish.

	PART#	WIRE DIAMETER	GAP	LENGTH	W.L.L.	U.L.L.	PACKAGE QUANTITY
	66419	3/16"	1/4"	2"	220 lb	550 lb	10
	66420	1/4"	5/16"	2-3/8"	260 lb	650 lb	10
	66421	5/16"	3/8"	3-1/8"	500 lb	1,250 lb	10
	66422	3/8"	1/2"	4"	770 lb	1,925 lb	10
	66425	7/16"	5/8"	4-3/4"	900 lb	2,250 lb	5
	66426	1/2"	3/4"	5-3/8"	1,200 lb	3,000 lb	5



Aluminum Snap Links

For decorative and light applications. Multi-coloured.

	PART#	WIRE DIAMETER	GAP	LENGTH	PACKAGE QUANTITY
	66427	3/16"	1/2"	1-5/16"	10
	66428	1/4"	5/8"	2-7/16"	10
	66429	5/16"	7/8"	3-1/8"	10



Stainless Steel Snap Links

304 Stainless steel material.

	PART#	WIRE DIAMETER	GAP	LENGTH	W.L.L.	PACKAGE QUANTITY
	64070	3/16"	1/4"	1-15/16"	100 lb	5
	64071	1/4"	5/16"	2-3/8"	140 lb	5
	64072	5/16"	3/8"	3-1/8"	250 lb	5
	64073	3/8"	1/2"	4"	400 lb	5



Carabiner with Magnet

	PART#	BASE DIAMETER	GAP	BREAKAWAY CAPACITY	MATERIAL
	66700	1-1/4"	9/16"	75 lbs	Stainless Steel #304



Galvanized Dock Rope Cleat

PART#	DESCRIPTION	PACKAGE QUANTITY
12262	Galvanized steel material, 6"	5



Black Nylon Dock Rope Cleat

PART#	DESCRIPTION	PACKAGE QUANTITY
12264	Rugged black nylon construction, 4"	5



Sizes are approximate. Specifications subject to change without notice.





Square Keystock

Supplied in 12" lengths only. Carbon steel. Zinc plated finish. Thickness tolerance ± 0.1 mm; length tolerance ± 0.3 mm.



	PART#	WIDTH	HEIGHT	QTY.
ooo	22750	1/8"	1/8"	Pkg. of 5
ooo	22751	3/16"	3/16"	Pkg. of 5
ooo	22752	1/4"	1/4"	Pkg. of 5
ooo	22753	5/16"	5/16"	Pkg. of 5
ooo	22754	3/8"	3/8"	Pkg. of 5
ooo	22755	7/16"	7/16"	Pkg. of 5
ooo	22756	1/2"	1/2"	Pkg. of 5
ooo	22758	5/8"	5/8"	Pkg. of 2
	22760	3/4"	3/4"	Pkg. of 2
	22761	7/8"	7/8"	Pkg. of 1
	22763	1"	1"	Pkg. of 1

Rectangular Keystock

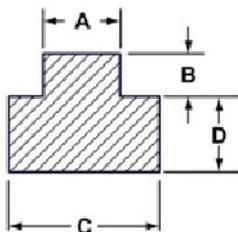
Supplied in 12" lengths only. Carbon steel. Zinc plated finish. Thickness tolerance ± 0.1 mm; length tolerance ± 0.1 mm.



	PART#	WIDTH	HEIGHT	QTY.
ooo	22782	1/4"	3/16"	Pkg. of 5
ooo	22785	1/4"	5/16"	Pkg. of 5
ooo	22786	1/4"	3/8"	Pkg. of 5
ooo	22789	5/16"	3/8"	Pkg. of 5
ooo	22791	3/8"	7/16"	Pkg. of 5
ooo	22792	3/8"	1/2"	Pkg. of 5
ooo	22795	7/16"	1/2"	Pkg. of 5
ooo	22796	1/2"	5/8"	Pkg. of 2

Step Keystock

Supplied in 12" lengths only. Carbon steel. Zinc plated finish. Thickness tolerance ± 0.1 mm; length tolerance ± 0.1 mm.



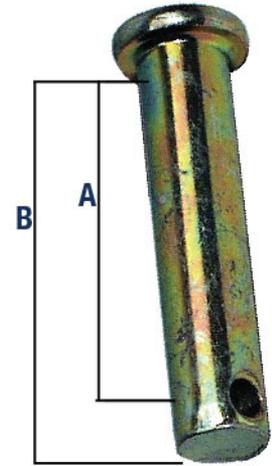
	PART#	A	B	C	D	QTY.
ooo	22821	3/16"	3/32"	1/4"	3/32"	Pkg. of 2
ooo	22822	1/4"	1/8"	5/16"	1/8"	Pkg. of 2
ooo	22823	1/4"	1/8"	3/8"	3/16"	Pkg. of 2
ooo	22824	5/16"	5/32"	3/8"	3/16"	Pkg. of 2
ooo	22825	3/8"	3/16"	7/16"	5/32"	Pkg. of 2
ooo	22826	3/8"	3/16"	1/2"	3/16"	Pkg. of 2
ooo	22827	7/16"	5/32"	1/2"	1/4"	Pkg. of 2
ooo	22828	1/2"	1/4"	5/8"	5/16"	Pkg. of 2

Sizes are approximate. Specifications subject to change without notice.

Clevis Pins

Yellow zinc dichromate finish. Hole is 1/4" from end of pin.
Package quantity 10 pcs. Made of C1020 steel*.

PART#	PIN DIA.	HOLE DIA. (MM)	A	B	PART#	PIN DIA.	HOLE DIA. (MM)	A	B
22500	1/4"	2.6	1"	1-1/4"	22521	3/8"	3.8	1-3/4"	2"
22501	1/4"	2.6	1-1/4"	1-1/2"	22522	3/8"	3.8	2"	2-1/4"
22502	1/4"	2.6	1-1/2"	1-3/4"	22523	3/8"	3.8	2-1/4"	2-1/2"
22503	1/4"	2.6	1-3/4"	2"	22528	7/16"	3.8	1-1/4"	1-1/2"
22504	1/4"	2.6	2"	2-1/4"	22529	7/16"	3.8	1-1/2"	1-3/4"
22505	1/4"	2.6	2-1/4"	2-1/2"	22530	7/16"	3.8	1-3/4"	2"
22509	5/16"	3.5	1"	1-1/4"	22531	7/16"	3.8	2"	2-1/4"
22510	5/16"	3.5	1-1/4"	1-1/2"	22532	7/16"	3.8	2-1/4"	2-1/2"
22511	5/16"	3.5	1-1/2"	1-3/4"	22536	1/2"	3.8	1"	1-1/4"
22512	5/16"	3.5	1-3/4"	2"	22537	1/2"	3.8	1-1/4"	1-1/2"
22513	5/16"	3.5	2"	2-1/4"	22538	1/2"	3.8	1-1/2"	1-3/4"
22514	5/16"	3.5	2-1/4"	2-1/2"	22539	1/2"	3.8	1-3/4"	2"
22518	3/8"	3.8	1"	1-1/4"	22540	1/2"	3.8	2"	2-1/4"
22519	3/8"	3.8	1-1/4"	1-1/2"	22541	1/2"	3.8	2-1/4"	2-1/2"
22520	3/8"	3.8	1-1/2"	1-3/4"					



Clevis Pin Dynapaks

	PART#	CONTENTS	QTY.	A	B	PART#	CONTENTS	QTY.	A	B
<input type="checkbox"/>	92500	22500	Pkg. of 5	1/4"	1"	92518	22518	Pkg. of 3	3-3/8"	1"
<input type="checkbox"/>	92502	22502	Pkg. of 5	1/4"	1-1/2"	92520	22520	Pkg. of 3	3-3/8"	1-1/2"
<input type="checkbox"/>	92504	22504	Pkg. of 5	5-1/4"	2"	92522	22522	Pkg. of 3	3-3/8"	2"
<input type="checkbox"/>	92509	22509	Pkg. of 5	5-5/16"	1"	92529	22529	Pkg. of 2	2-7/16"	1-1/2"
	92511	22511	Pkg. of 5	5-5/16"	1-1/5"	92538	22538	Pkg. of 2	2-1/2"	1-1/2"
<input type="checkbox"/>	92513	22513	Pkg. of 5	5-5/16"	2"	92540	22540	Pkg. of 2	2-1/2"	2"



Adjustable Clevis Pins

A quick replacement pin, the universal clevis pin features a series of holes making it adaptable to varying lengths. Use the diameter that fits your application and cut off the excess length. Easily replaces bolts, cotter pins or rivets on all types of equipment. Yellow zinc dichromate finish. First pin hole is 1/4" from the end of the pin.

PART#	PIN DIAMETER	HOLE DIA. (MM)	OVERALL LENGTH	QTY.	PART#	PIN DIAMETER	HOLE DIA. (MM)	OVERALL LENGTH	QTY.
22545	1/4"	2.6	2"	Pkg. of 5	22551	1/2"	3.8	2-1/2"	Pkg. of 5
22546	5/16"	3.5	2"	Pkg. of 5	22552	7/16"	3.8	3"	Pkg. of 5
22547	3/8"	3.8	2"	Pkg. of 5	22553	1/2"	3.8	3"	Pkg. of 5
22548	7/16"	3.8	2"	Pkg. of 5	22554	5/8"	3.8	3"	Pkg. of 5
22549	1/2"	3.8	2"	Pkg. of 5	22555	3/4"	3.8	3"	Pkg. of 5
22550	7/16"	3.8	2-1/2"	Pkg. of 5					



* 1020 is a general purpose low tensile low hardenability carbon steel generally supplied in the cold drawn or turned and polished condition, with a typical tensile strength range 410 - 790 Mpa, and Brinell hardness range 119 - 235. Characterized by excellent weldability, very good machinability with reasonable strength and very good ductility.

Sizes are approximate. Specifications subject to change without notice.

Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other



General Hardware



Machinery Bushings

Machinery bushings reduce wear between moving parts, prevent marring of fine finishes and can be used as spacers for sprockets, pulleys and gears on new or old equipment. Made of low carbon, mild steel with plain finish.

- 18 Gauge (l = light) = 0.042/0.054, 3/64"
- 14 Gauge (m = medium) = 0.068/0.082, 5/64"
- 10 Gauge (h = heavy) = 0.126/0.142, 1/8"
- Tolerances - O.D. +0.010/0.010 I.D. +0.010 / -0.000



Reference Chart Available

See end of catalogue

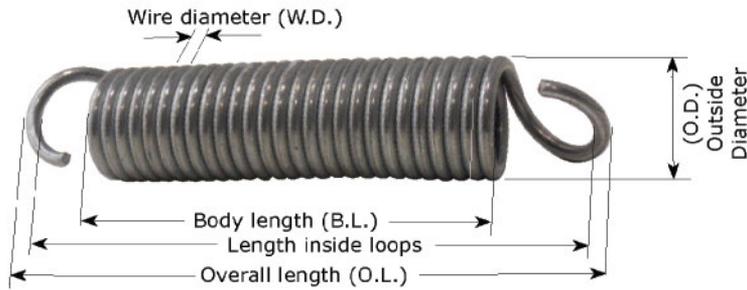
	PART#	IND#	INSIDE DIA.	OUTSIDE DIA.	GAUGE	QTY.
□	22700	M-16L	9/16"	1"	18	Pkg. of 10
□	22701	M-18L	5/8"	1-1/8"	18	Pkg. of 10
□	22702	M-18M	5/8"	1-1/8"	14	Pkg. of 10
□	22703	M-20L	3/4"	1-1/4"	18	Pkg. of 10
□	22704	M-20M	3/4"	1-1/4"	14	Pkg. of 10
□	22705	M-20H	3/4"	1-1/4"	10	Pkg. of 10
□	22706	M-22L	7/8"	1-3/8"	18	Pkg. of 10
□	22707	M-22M	7/8"	1-3/8"	14	Pkg. of 10
□	22708	M-24L	1"	1-1/2"	18	Pkg. of 10
□	22709	M-24M	1"	1-1/2"	14	Pkg. of 10
□	22710	M-24H	1"	1-1/2"	10	Pkg. of 10
□	22711	M-28L	1-1/8"	1-3/4"	18	Pkg. of 10
□	22712	M-28M	1-1/8"	1-3/4"	14	Pkg. of 10
□	22713	M-28H	1-1/8"	1-3/4"	10	Pkg. of 10
□	22714	M-30L	1-1/4"	1-7/8"	18	Pkg. of 10
□	22715	M-30M	1-1/4"	1-7/8"	14	Pkg. of 10
□	22716	M-30H	1-1/4"	1-7/8"	10	Pkg. of 10
□	22717	M-34L	1-3/8"	2-1/8"	18	Pkg. of 10
□	22718	M-34M	1-3/8"	2-1/8"	14	Pkg. of 10
□	22719	M-34H	1-3/8"	2-1/8"	10	Pkg. of 10
□	22720	M-36L	1-1/2"	2-1/4"	18	Pkg. of 10
□	22721	M-36M	1-1/2"	2-1/4"	14	Pkg. of 10
□	22722	M-36H	1-1/2"	2-1/4"	10	Pkg. of 10
□	22723	M-38M	1-5/8"	2-3/8"	14	Pkg. of 10
□	22724	M-38H	1-5/8"	2-3/8"	10	Pkg. of 10
□	22725	M-40M	1-3/4"	2-1/2"	14	Pkg. of 10
□	22726	M-40H	1-3/4"	2-1/2"	10	Pkg. of 10
□	22727	M-46M	1-7/8"	2-7/8"	14	Pkg. of 10
□	22728	M-46H	1-7/8"	2-7/8"	10	Pkg. of 10
□	22729	M-48M	2"	3"	14	Pkg. of 10
□	22730	M-48H	2"	3"	10	Pkg. of 10
□	22731	M-50M	2-1/8"	3-1/8"	14	Pkg. of 10
□	22732	M-50H	2-1/8"	3-1/8"	10	Pkg. of 10
□	22733	M-52M	2-1/4"	3-1/4"	14	Pkg. of 10
□	22734	M-52H	2-1/4"	3-1/4"	10	Pkg. of 10
□	22735	M-54M	2-3/8"	3-3/8"	14	Pkg. of 10
□	22736	M-54H	2-3/8"	3-3/8"	10	Pkg. of 10
□	22737	M-56M	2-1/2"	3-1/2"	14	Pkg. of 10
□	22738	M-56H	2-1/2"	3-1/2"	10	Pkg. of 10

Sizes are approximate. Specifications subject to change without notice.

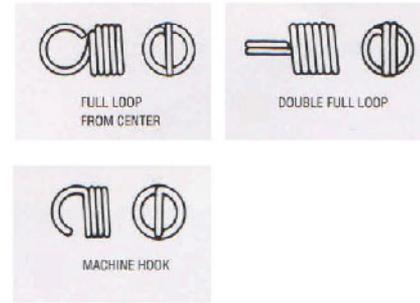


Packaged Extension Springs

ASTM A227, A228 or A764
 Carbon spring steel zinc plated finish.



EXTENSION SPRING ENDS:



	PART#	REF#	WIRE DIA.	OUTSIDE DIA.	OVERALL LENGTH	BODY LENGTH	MAXIMUM STRETCH	LOAD RATE (LB/IN)	MAX LOAD (LB)	END TYPE	TYPE LOOP	PKG. QTY.
<input type="checkbox"/>	24001	C-1	0.015"	0.125"	1.5"	1.25"	2"	0.65	1.4	loop	B	2
<input type="checkbox"/>	24005	C-5	0.02"	0.156"	1.5"	1.188"	1.7"	1.50	2.7	loop	B	2
<input type="checkbox"/>	24013	C-13	0.023"	0.218"	1.5"	1.064"	2.4"	1.10	2.9	loop	B	2
<input type="checkbox"/>	24019	C-19	0.035"	0.25"	1.5"	1"	1.1"	6.40	8.4	loop	B	2
<input type="checkbox"/>	24023	C-23	0.025"	0.281"	1.5"	0.938"	3.4"	0.74	2.8	loop	B	2
<input type="checkbox"/>	24025	C-25	0.02"	0.312"	1.5"	0.876"	7.7"	0.17	1.4	loop	B	2
<input type="checkbox"/>	24029	C-29	0.028"	0.343"	1.5"	0.814"	3.2"	0.81	3.6	loop	B	2
<input type="checkbox"/>	24031	C-31	0.028"	0.437"	1.5"	0.626"	4.4"	0.54	2.5	loop	B	2
<input type="checkbox"/>	24033	C-33	0.047"	0.437"	1.5"	0.626"	1.6"	6.20	11	loop	B	2
<input type="checkbox"/>	24051	C-51	0.014"	0.125"	1.875"	1.625"	3.3"	0.35	1.3	loop	B	2
<input type="checkbox"/>	24055	C-55	0.02"	0.156"	1.875"	1.563"	2.7"	1.10	2.2	loop	B	2
<input type="checkbox"/>	24063	C-63	0.023"	0.218"	1.875"	1.439"	3.4"	0.79	2.9	loop	B	2
<input type="checkbox"/>	24067	C-67	0.02"	0.25"	1.875"	1.375"	6.4"	0.25	1.7	loop	B	2
<input type="checkbox"/>	24069	C-69	0.035"	0.25"	1.875"	1.375"	1.5"	4.70	8.4	loop	B	2
<input type="checkbox"/>	24073	C-73	0.025"	0.281"	1.875"	1.313"	2.8"	0.54	4.7	loop	B	2
<input type="checkbox"/>	24077	C-77	0.025"	0.344"	1.875"	1.189"	6.8"	0.31	2.3	loop	B	2
<input type="checkbox"/>	24081	C-81	0.028"	0.437"	1.875"	1"	7.8"	0.30	2.5	loop	B	2
<input type="checkbox"/>	24083	C-83	0.047"	0.437"	1.875"	1"	2.3"	4.30	11	loop	B	2
<input type="checkbox"/>	24103	C-103	0.018"	0.125"	2.5"	2.25"	2.2"	0.96	2.5	loop	B	2
<input type="checkbox"/>	24105	C-105	0.02"	0.156"	2.5"	2.188"	3"	0.81	2.7	loop	B	2
<input type="checkbox"/>	24111	C-111	0.025"	0.187"	2.5"	2.126"	2.5"	1.50	4.2	loop	B	2
<input type="checkbox"/>	24115	C-115	0.016"	0.25"	2.5"	2"	15"	0.50	0.87	loop	B	2
<input type="checkbox"/>	24117	C-117	0.02"	0.25"	2.5"	2"	9"	0.17	1.7	loop	B	2
<input type="checkbox"/>	24119	C-119	0.035"	0.25"	2.5"	2"	2.1"	3.50	8.4	loop	B	2
<input type="checkbox"/>	24131	C-131	0.028"	0.437"	2.5"	1.626"	13"	0.18	2.5	loop	B	2
<input type="checkbox"/>	24133	C-133	0.047"	0.437"	2.5"	1.665"	3.4"	3.00	11	loop	B	2
<input type="checkbox"/>	24135	C-135	0.062"	0.437"	2"	1.126"	0.87"	17.00	19	loop	B	2
<input type="checkbox"/>	24139	C-139	0.054"	0.437"	3.5"	2.626"	2.5"	4.00	12	loop	B	2
<input type="checkbox"/>	24141	C-141	0.072"	0.625"	2.5"	1.375"	1.5"	10.00	19	loop	B	2

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Sizes are approximate. Specifications subject to change without notice.

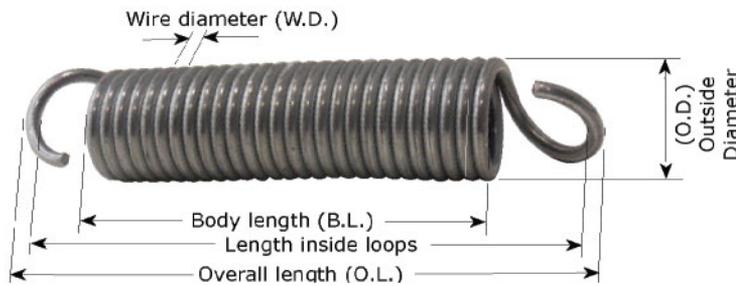
Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other



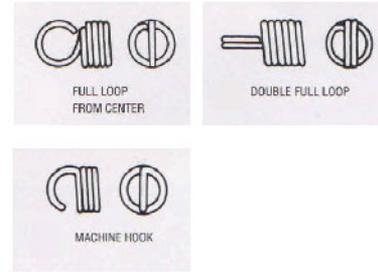
General Hardware



Packaged Extension Springs Continued



EXTENSION SPRING ENDS:



General Hardware

	PART#	REF#	WIRE DIA.	OUTSIDE DIA.	OVERALL LENGTH	BODY LENGTH	MAXIMUM STRETCH	LOAD RATE (LB/IN)	MAX LOAD (LB)	END TYPE	PKG. QTY.
<input type="checkbox"/>	24143	C-143	0.054"	0.562"	3"	1.875"	3.4"	2.30	9.2	loop	2
<input type="checkbox"/>	24155	C-155	0.028"	0.312"	3"	2.375"	7.8"	0.41	3.5	loop	2
<input type="checkbox"/>	24157	C-157	0.025"	0.25"	3.25"	2.75"	6.4"	0.44	3.1	loop	2
<input type="checkbox"/>	24161	C-161	0.034"	0.437"	2.75"	1.875"	5.9"	5.00	3.3	loop	2
<input type="checkbox"/>	24163	C-163	0.047"	0.437"	3.5"	2.626"	3.6"	2.00	8.4	loop	2
<input type="checkbox"/>	24165	C-165	0.08"	0.5"	1.625"	0.625"	2"	66.00	35	loop	2
<input type="checkbox"/>	24171	C-171	0.105"	0.75"	2"	0.5"	2.59"	92.00	60	hook	2
<input type="checkbox"/>	24173	C-173	0.105"	0.75"	2.25"	0.75"	3"	68.00	60	hook	2
<input type="checkbox"/>	24175	C-175	0.105"	0.75"	2.437"	0.9375"	3.3"	47.00	50	hook	2
<input type="checkbox"/>	24177	C-177	0.105"	0.75"	2.625"	1.125"	3.625"	38.00	50	hook	2
<input type="checkbox"/>	24179	C-179	0.072"	0.562"	2.875"	1.75"	4.475"	11.00	22	loop	2
<input type="checkbox"/>	24181	C-181	0.072"	0.625"	3.25"	2"	5.6"	6.40	19	loop	2
<input type="checkbox"/>	24183	C-183	0.047"	0.562"	4"	2.91"	11.6"	0.76	6.5	loop	2
<input type="checkbox"/>	24185	C-185	0.062"	0.75"	3.5"	2"	9"	1.70	11	loop	2
<input type="checkbox"/>	24187	C-187	0.105"	0.75"	2.875"	1.375"	N/A	39.00	60	hook	2
<input type="checkbox"/>	24189	C-189	0.105"	0.75"	3.125"	1.625"	4.3"	33.00	50	hook	2
<input type="checkbox"/>	24191	C-191	0.105"	0.75"	3.75"	2.25"	6"	26.00	50	hook	2
<input type="checkbox"/>	24193	C-193	0.034"	0.375"	4"	3.25"	11.3"	0.47	3.9	loop	2
<input type="checkbox"/>	24205	C-205	0.034"	0.25"	5"	4.5"	8.5"	1.40	6	loop	2
<input type="checkbox"/>	24209	C-209	0.028"	0.375"	4.5"	3.75"	18"	0.15	2.9	loop	2
<input type="checkbox"/>	24215	C-215	0.041"	0.375"	3.75"	3"	7.5"	1.40	6.5	loop	2
<input type="checkbox"/>	24219	C-219	0.041"	0.468"	4.5"	3.564"	13"	0.54	5.2	loop	2
<input type="checkbox"/>	24221	C-221	0.062"	0.5"	4.5"	3.5"	7.7"	4.10	16	loop	2
<input type="checkbox"/>	24223	C-223	0.072"	0.5"	5"	4"	7.3"	8.20	25	loop	2
<input type="checkbox"/>	24227	C-227	0.091"	0.687"	4.75"	3.875"	7.25"	11.00	35	hook	2
<input type="checkbox"/>	24231	C-231	0.072"	0.562"	6"	4.876"	9.8"	4.60	22	loop	2
<input type="checkbox"/>	24233	C-233	0.034"	0.25"	6"	5.5"	10.3"	1.10	6	loop	2
<input type="checkbox"/>	24235	C-235	0.028"	0.312"	6"	5.375"	21"	0.23	3.9	loop	2
<input type="checkbox"/>	24239	C-239	0.047"	0.375"	6.5"	5.75"	11.5"	1.60	10	loop	2
<input type="checkbox"/>	24243	C-243	0.054"	0.625"	6.5"	5.25"	17.5"	0.65	8.3	loop	2
<input type="checkbox"/>	24251	C-251	0.105"	1.125"	16"	13.75"	38"	1.20	31	hook	1
<input type="checkbox"/>	24253	C-253	0.054"	0.562"	16.5"	15.375"	41.5"	0.32	9.2	double loop closed	1

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Sizes are approximate. Specifications subject to change without notice.

Packaged Extension Springs Continued

	PART#	REF#	WIRE DIA.	OUTSIDE DIA.	OVERALL LENGTH	BODY LENGTH	MAXIMUM STRETCH	LOAD RATE (LB/IN)	MAX LOAD (LB)	END TYPE	PKG. QTY.
<input type="checkbox"/>	24257	C-257	0.091"	0.812"	4.5"	3.375"	7.8"	7.10	29	hook	2
<input type="checkbox"/>	24259	C-259	0.12"	0.812"	4"	2.375"	1.3"	39.00	66	hook	2
<input type="checkbox"/>	24261	C-261	0.12"	1.062"	5.5"	3.375"	9.7"	9.50	49	hook	1
<input type="checkbox"/>	24263	C-263	0.091"	0.875"	6"	4.875"	11.6"	3.90	26	hook	1
<input type="checkbox"/>	24265	C-265	0.105"	1.062"	7"	4.875"	14.5"	3.7	33	hook	1
<input type="checkbox"/>	24267	C-267	0.162"	1.25"	6.5"	4"	9.5"	26	100	hook	1
<input type="checkbox"/>	24269	C-269	0.135"	1"	7"	5"	10"	18	75	double loop closed	1
<input type="checkbox"/>	24271	C-271	0.08"	1.062"	8.5"	6.375"	27.5"	0.69	15	hook	1
<input type="checkbox"/>	24273	C-273	0.148"	1.125"	8.5"	6.25"	12.9"	15	87	hook	1
<input type="checkbox"/>	24275	C-275	0.091"	1.125"	7.5"	6.312"	20.5"	1.3	20	hook	1
<input type="checkbox"/>	24277	C-277	0.091"	0.65"	6.5"	5.5"	10.5"	5.9	31	hook	1
<input type="checkbox"/>	24281	C-281	0.062"	0.375"	5.5"	5"	7.4"	8.9	23	loop	2
<input type="checkbox"/>	24285	C-285	0.035"	0.375"	5"	4.25"	16"	0.43	5.4	loop	2
<input type="checkbox"/>	24287	C-287	0.032"	0.312"	5"	4.375"	14.8"	0.48	5.2	loop	2
<input type="checkbox"/>	24289	C-289	0.035"	0.312"	5"	4.375"	12.4"	0.79	6.6	loop	2
<input type="checkbox"/>	24293	C-293	0.062"	0.375"	6.75"	6"	2.5"	6.8	23	loop	1
<input type="checkbox"/>	24301	C-301	0.135"	1.5"	11.5"	8.5"	26.5"	2.7	47	double loop closed	1
<input type="checkbox"/>	24303	C-303	0.105"	1"	12"	10"	24"	2.4	35	hook	1
<input type="checkbox"/>	24307	C-307	0.135"	1.062"	12"	9.875"	19"	7.7	69	hook	1
<input type="checkbox"/>	24311	C-311	0.041"	0.437"	10.25"	9.375"	27"	0.28	5.5	loop	1
<input type="checkbox"/>	24313	C-313	0.047"	0.5"	8.5"	7.5"	22.5"	0.46	7.2	loop	1
<input type="checkbox"/>	24315	C-315	0.047"	0.437"	8.5"	7.626"	18"	0.73	8.4	loop	1
<input type="checkbox"/>	24317	C-317	0.091"	0.625"	8.5"	7.25"	12.3"	7.7	39	loop	1
<input type="checkbox"/>	24319	C-319	0.054"	0.562"	8.5"	7.376"	20"	0.64	9.2	loop	1
<input type="checkbox"/>	24321	C-321	0.062"	0.625"	8.5"	7.75"	19.5"	0.95	13	loop	1
<input type="checkbox"/>	24323	C-323	0.08"	0.625"	8.5"	7.25"	14"	3.9	27	loop	1
<input type="checkbox"/>	24325	C-325	0.062"	0.875"	8.5"	6.75"	32"	0.33	8.8	hook	1
<input type="checkbox"/>	24329	C-329	0.105"	0.875"	8.5"	6.75"	14"	5.4	41	hook	1
<input type="checkbox"/>	24333	C-333	0.135"	0.875"	9"	7.25"	12"	20	87	hook	1
<input type="checkbox"/>	24337	C-337	0.12"	1"	8.5"	6.5"	13"	7.7	52	hook	1
<input type="checkbox"/>	24339	C-339	0.148"	1.25"	10"	7.5"	16.5"	9.2	77	hook	1

Drawbar Spring

ASTM A227, A228 or A764 - Carbon spring steel zinc plated finish

	PART#	REF#	WIRE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	LOAD RATE (LB/IN)	MAXIMUM LOAD (LB)
<input type="checkbox"/>	24900	4001	0.227"	1-9/16"	7-1/4"	152.78	330.31

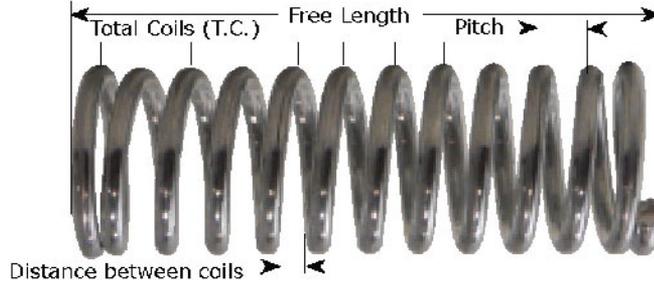
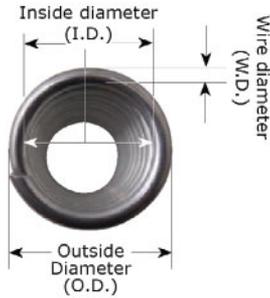


Sizes are approximate. Specifications subject to change without notice.



Packaged Compression Springs

S.A.E. 1060-1090 spring steel. Phosphate and oil finish.
Retail package with UPC barcode label.



	PART#	REF#	WIRE DIA.	OUTSIDE DIA.	OVERALL LENGTH	SOLID HEIGHT	TOTAL COILS	LOAD RATE (LB/IN)	MAX LOAD (LB)	PKG. QTY.
<input type="checkbox"/>	24500	C-500	0.023"	0.156"	0.562"	0.28	11	19.00	4.5	6
<input type="checkbox"/>	24510	C-510	0.035"	0.25"	0.5"	0.26	7	42.00	6.2	6
<input type="checkbox"/>	24516	C-516	0.011"	0.156"	1"	0.14	12	0.73	0.57	6
<input type="checkbox"/>	24520	C-520	0.016"	0.187"	0.875"	0.27	16	1.30	0.81	6
<input type="checkbox"/>	24526	C-526	0.028"	0.187"	1"	0.48	17	15.00	6.3	6
<input type="checkbox"/>	24530	C-530	0.02"	0.218"	1"	0.24	11	3.30	2.2	6
<input type="checkbox"/>	24532	C-532	0.013"	0.187"	1"	0.14	10	0.99	0.78	6
<input type="checkbox"/>	24550	C-550	0.016"	0.187"	1"	0.2	12	2.00	1.3	6
<input type="checkbox"/>	24554	C-554	0.02"	0.25"	1"	0.2	9	2.80	1.9	6
<input type="checkbox"/>	24556	C-556	0.026"	0.312"	0.625"	0.18	7	7.00	3.1	6
<input type="checkbox"/>	24562	C-562	0.035"	0.25"	1"	0.46	12	21.00	8.9	6
<input type="checkbox"/>	24566	C-566	0.032"	0.375"	0.75"	0.22	6	7.70	3.2	6
<input type="checkbox"/>	24570	C-570	0.014"	0.125"	1.375"	0.34	27	1.60	1.4	6
<input type="checkbox"/>	24576	C-576	0.016"	0.156"	1.375"	0.35	21	1.80	1.6	6
<input type="checkbox"/>	24578	C-578	0.013"	0.187"	1.375"	0.18	12	0.71	0.78	6
<input type="checkbox"/>	24580	C-580	0.028"	0.187"	1.375"	0.65	23	11.00	6.3	6
<input type="checkbox"/>	24582	C-582	0.016"	0.187"	1.375"	0.26	15	1.40	1.3	6
<input type="checkbox"/>	24600	C-600	0.02"	0.218"	1.375"	0.31	15	2.40	2.2	4
<input type="checkbox"/>	24604	C-604	0.023"	0.218"	1.375"	0.39	16	3.90	3.3	4
<input type="checkbox"/>	24608	C-608	0.02"	0.25"	1.375"	0.25	12	2.00	1.9	4
<input type="checkbox"/>	24612	C-612	0.028"	0.281"	1.375"	0.43	15	4.40	4.1	4
<input type="checkbox"/>	24614	C-614	0.041"	0.312"	1.25"	0.62	15	17.00	8.3	4
<input type="checkbox"/>	24624	C-624	0.041"	0.375"	1.125"	0.46	10	13.00	7	4
<input type="checkbox"/>	24632	C-632	0.041"	0.437"	1.062"	0.36	8	11.00	6.1	4
<input type="checkbox"/>	24650	C-650	0.013"	0.218"	1.75"	0.247	18	0.29	0.44	4
<input type="checkbox"/>	24652	C-652	0.028"	0.218"	1.375"	0.53	18	8.10	5.5	4
<input type="checkbox"/>	24660	C-660	0.016"	0.312"	1.75"	0.2	12	0.39	0.61	4
<input type="checkbox"/>	24664	C-664	0.047"	0.343"	1.5"	0.71	15	23.00	11	4
<input type="checkbox"/>	24668	C-668	0.026"	0.375"	1.5"	0.26	10	1.70	2.2	4
<input type="checkbox"/>	24672	C-672	0.035"	0.375"	1.75"	0.54	16	3.70	4.2	4
<input type="checkbox"/>	24676	C-676	0.032"	0.437"	2.125"	0.39	12	2.00	2.8	4
<input type="checkbox"/>	24680	C-680	0.047"	0.312"	2"	1.14	24	18.00	12	4

Sizes are approximate. Specifications subject to change without notice.



General Hardware



Packaged Compression Springs Continued

PART#	REF#	WIRE DIA.	OUTSIDE DIA.	OVERALL LENGTH	SOLID HEIGHT	TOTAL COILS	LOAD RATE (LB/IN)	MAX LOAD (LB)	PKG. QTY.
<input type="checkbox"/> 24690	C-690	0.041"	0.437"	2.25"	0.67	16	4.90	6.1	2
<input type="checkbox"/> 24692	C-692	0.041"	0.625"	1.5"	0.37	9	3.40	3.8	2
<input type="checkbox"/> 24700	C-700	0.062"	0.5"	1"	0.54	8	45.00	17	2
<input type="checkbox"/> 24702	C-702	0.054"	0.562"	1"	0.38	7	16	9.5	2
<input type="checkbox"/> 24704	C-704	0.041"	0.5"	1.5"	0.45	10	5.30	5.4	2
<input type="checkbox"/> 24706	C-706	0.072"	0.562"	1.375"	0.74	10	45	22	2
<input type="checkbox"/> 24712	C-712	0.091"	0.687"	1.25"	0.75	8	89	35	2
<input type="checkbox"/> 24714	C-714	0.062"	0.375"	2.25"	1.46	22	34	22	2
<input type="checkbox"/> 24720	C-720	0.062"	0.5"	1.75"	0.85	14	24	17	2
<input type="checkbox"/> 24722	C-722	0.047"	0.5"	2"	0.635	13	7.19	N/A	2
<input type="checkbox"/> 24724	C-724	0.054"	0.437"	2"	0.89	16	16	13	2
<input type="checkbox"/> 24730	C-730	0.047"	0.406"	2.75"	1.12	23	7.30	9.7	2
<input type="checkbox"/> 24736	C-736	0.072"	0.5"	2.75"	1.48	19	28	25	2
<input type="checkbox"/> 24740	C-740	0.08"	0.625"	2.5"	1.14	14	32	27	2
<input type="checkbox"/> 24742	C-742	0.054"	0.625"	2.75"	0.77	14	5.80	9.1	2
<input type="checkbox"/> 24750	C-750	0.08"	0.75"	2"	0.78	10	25	23	2
<input type="checkbox"/> 24752	C-752	0.08"	0.937"	2"	0.67	8	17	19	2
<input type="checkbox"/> 24756	C-756	0.041"	0.718"	3.5"	0.47	11	1.50	3.8	2
<input type="checkbox"/> 24766	C-766	0.054"	0.562"	3"	0.96	17	6.30	10	2
<input type="checkbox"/> 24768	C-768	0.105"	0.812"	2.25"	1.26	11	54.94	N/A	2
<input type="checkbox"/> 24782	C-782	0.08"	0.625"	3"	1.34	16	26	27	2
<input type="checkbox"/> 24792	C-792	0.105"	0.875"	3"	1.39	14	34	43	2
<input type="checkbox"/> 24802	C-802	0.148"	1.375"	4.375"	1.83	13	36	72	1
<input type="checkbox"/> 24806	C-806	0.148"	1.5"	3.25"	1.26	9	43	67	1
<input type="checkbox"/> 24814	C-814	0.135"	1.375"	2.5"	0.98	8	48	55	1
<input type="checkbox"/> 24818	C-818	0.12"	1.125"	4"	1.72	13	26	48	2
<input type="checkbox"/> 24822	C-822	0.148"	0.937"	4"	2.63	12	89	103	2
<input type="checkbox"/> 24826	C-826	0.12"	1"	3.5"	1.71	15	36	54	2
<input type="checkbox"/> 24830	C-830	0.12"	1.125"	3"	1	10	22	34	2
<input type="checkbox"/> 24832	C-832	0.12"	1"	3"	1.41	12	45	54	2
<input type="checkbox"/> 24834	C-834	0.12"	1.187"	2.75"	1.2	9	35	46	2
<input type="checkbox"/> 24836	C-836	0.08"	0.875"	4"	1.28	15	9	20	2
<input type="checkbox"/> 24838	C-838	0.08"	0.75"	3.5"	1.38	16	14	23	2
<input type="checkbox"/> 24850	C-850	0.091"	0.625"	5"	2.64	29	29	38	2
<input type="checkbox"/> 24856	C-856	0.091"	0.75"	6"	2.78	30	13	32	2
<input type="checkbox"/> 24858	C-858	0.072"	0.687"	6"	2.16	29	6.20	18	2
<input type="checkbox"/> 24864	C-864	0.091"	0.875"	6"	2.18	23	9.30	28	1
<input type="checkbox"/> 24874	C-874	0.12"	1.375"	6"	1.08	14	13	40	1
<input type="checkbox"/> 24878	C-878	0.08"	0.625"	9"	3.72	45	8.40	27	1
<input type="checkbox"/> 24892	C-892	0.162"	1.125"	7"	4	24	49	111	1



Sizes are approximate. Specifications subject to change without notice.

Legend: 12x24 24x24 Plan-O-Gram Rack/End Cap Other

What are retaining rings?

Retaining Rings are precision engineered components that are designed to be applied on shafts or in bores and provide a shoulder that accurately positions, locates and retains other parts of an assembly. Many different types of retaining rings have been developed over the years, each a solution to a specific problem. Different types of rings are available to solve issues such as: tolerance take-up, clearance diameter, thrust load capacity, flexible installation, rpm capacity, impact loading, non-removable lock-rings, groove-less push-on fastening and radial installation.

As an engineering concept, the retaining ring is still relatively young and has certainly not yet reached its peak of utilization as a retaining device.

How are retaining rings used?

Retaining Rings work by creating a shoulder that can hold components in place. The retaining shoulder is created when the ring attaches itself to the bore or shaft, typically by snapping into a groove.

Ordinarily (however not always) a groove is dug into the shaft or bore, and this groove becomes the seat for the retaining ring.

Retaining rings are designed such that their contact diameter has some interference fit with the groove in which they fit. This creates a "snug" fit between the ring and groove. The term used to describe the amount of interference fit is "cling".

Cling causes the retaining ring to fit tightly and securely against its groove bottom. Without cling a ring would have a loose fit and would "rattle" in its groove. This lack of cling would decrease the retention capacity of the ring because a "cling-less" ring is free to move radially, creating weak retention points that will ultimately cause the assembly to fail.

Another key factor is the width of the groove. The groove width is slightly larger than the rings thickness, thus creating a snug axial fit. The tight axial fit along with the cling to the groove bottom create a rigid shoulder which can retain thrust loads.

E Retainer Rings

The universally used radially assembled circlip for shafts. The groove is gripped by 3 tabs. Applications in vehicle construction, optical and electronic industry, and light mechanical industry. Cross reference to 1000, 1500, 5133,ms-16633 series. S.A.E. 1060-1090 Spring steel. Phosphate & oil finish. 10 pieces per pkg.



Reference Chart Available

See end of catalogue

PART#	IND#	SHAFT DECIMAL	SHAFT FRACTION	RING OUTSIDE DIA.	RING THICKNESS	GROOVE DIA.	GROOVE DEPTH	GROOVE WIDTH	WEIGHT (LB) /100 PIECES
22860	12	0.125	1/8"	0.23	0.015	0.10	0.02	0.02	0.0087
22861	18	0.188	3/16"	0.335	0.025	0.15	0.02	0.029	0.029
22862	25	0.25	1/4"	0.527	0.025	0.21	0.02	0.029	0.076
22863	31	0.312	5/16"	0.5	0.025	0.25	0.03	0.029	0.057
22864	37	0.375	3/8"	0.66	0.035	0.30	0.04	0.039	0.15
22865	43	0.438	7/16"	0.687	0.035	0.34	0.05	0.039	0.15
22866	50	0.5	1/2"	0.8	0.042	0.40	0.05	0.046	0.25
22867	62	0.625	5/8"	0.94	0.042	0.49	0.07	0.046	0.32
22868	75	0.75	3/4"	1.12	0.05	0.58	0.09	0.056	0.58
22869	87	0.875	7/8"	1.3	0.05	0.68	0.10	0.056	0.76
22870	98	0.984	1"	1.5	0.05	0.84	0.08	0.056	0.92
22871	118	1.188	1-3/16"	1.626	0.062	1.08	0.05	0.068	1.13
22872	137	1.375	1-3/8"	1.875	0.062	1.23	0.07	0.068	1.54

Sizes are approximate. Specifications subject to change without notice.

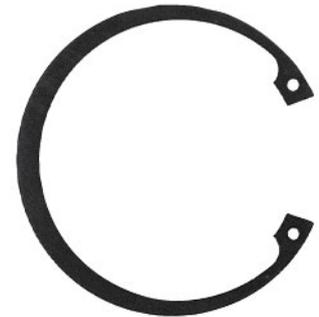


Internal Retainer Rings

The universally applicable rings for shafts and bores. Applications in all branches of industry and machine, instrument and vehicle construction. Cross reference to 1300, 3000, 5000, HO, MS-16625 series. S.A.E. 1060-1090 Spring steel. Phosphate and oil finish.



PART#	IND#	BORE DECIMAL	BORE FRACTION	RING OUTSIDE DIAMETER	RING THICKNESS	GROOVE DIAMETER	GROOVE DEPTH	GROOVE WIDTH	PKG. QTY.
22873	25	0.25	1/4"	0.28	0.015	0.27	0.01	0.02	10
22874	31	0.312	5/16"	0.346	0.015	0.33	0.01	0.02	10
22875	37	0.375	3/8"	0.415	0.025	0.40	0.01	0.029	10
22876	43	0.438	7/16"	0.482	0.025	0.46	0.01	0.029	10
22878	50	0.5	1/2"	0.548	0.035	0.53	0.02	0.039	10
22879	56	0.562	9/16"	0.62	0.035	0.60	0.02	0.039	10
22880	62	0.625	5/8"	0.694	0.035	0.67	0.02	0.039	10
22881	68	0.688	11/16"	0.763	0.035	0.73	0.02	0.039	10
22882	75	0.75	3/4"	0.831	0.035	0.80	0.02	0.039	10
22884	87	0.875	7/8"	0.971	0.042	0.93	0.03	0.046	10
22885	93	0.938	15/16"	1.041	0.042	1.00	0.03	0.046	10
22886	100	1	1"	1.111	0.042	1.07	0.03	0.046	10
22888	106	1.062	1-1/16"	1.18	0.05	1.13	0.03	0.056	10
22889	112	1.125	1-1/8"	1.249	0.05	1.20	0.04	0.056	10
22890	118	1.188	1-3/16"	1.319	0.05	1.26	0.04	0.056	10
22891	125	1.25	1-1/4"	1.388	0.05	1.33	0.04	0.056	10
22892	131	1.312	1-5/16"	1.456	0.05	1.40	0.04	0.056	10
22893	137	1.375	1-3/8"	1.526	0.05	1.46	0.04	0.056	10
22894	143	1.438	1-7/16"	1.596	0.05	1.53	0.05	0.056	10
22895	150	1.5	1-1/2"	1.66	0.05	1.59	0.05	0.056	10
22896	156	1.562	1-9/16"	1.734	0.062	1.66	0.05	0.068	10
22897	162	1.625	1-5/8"	1.804	0.062	1.73	0.05	0.068	10
22900	175	1.75	1-3/4"	1.942	0.062	1.86	0.05	0.068	10
22901	181	1.812	1-13/16"	2.012	0.062	1.92	0.06	0.068	10
22902	187	1.875	1-7/8"	2.072	0.062	1.99	0.06	0.068	10
22903	193	1.938	1-15/16"	2.141	0.062	2.06	0.06	0.068	10
22904	200	2	2"	2.21	0.062	2.12	0.06	0.068	10
22905	206	2.062	2-1/16"	2.28	0.078	2.19	0.06	0.086	5
22906	212	2.125	2-1/8"	2.35	0.078	2.25	0.06	0.086	5
22907	225	2.25	2-1/4"	2.49	0.078	2.38	0.07	0.086	5
22908	237	2.375	2-3/8"	2.63	0.078	2.52	0.07	0.086	5
22909	244	2.44	2-7/16"	2.702	0.078	2.58	0.07	0.086	5
22910	250	2.5	2-1/2"	2.775	0.078	2.65	0.07	0.086	5
22911	262	2.625	2-5/8"	2.91	0.093	2.78	0.08	0.103	5
22912	268	2.688	2-11/16"	2.98	0.093	2.85	0.08	0.103	5
22913	275	2.75	2-3/4"	3.05	0.093	2.91	0.08	0.103	5
22914	281	2.812	2-13/16"	3.121	0.093	2.98	0.08	0.103	5
22915	287	2.875	2-7/8"	3.191	0.093	3.05	0.09	0.103	2
22916	300	3	3"	3.325	0.093	3.18	0.09	0.103	2
22917	325	3.25	3-1/4"	3.623	0.109	3.45	0.10	0.12	2
22918	350	3.5	3-1/2"	3.89	0.109	3.71	0.11	0.12	2
22919	400	4	4"	4.424	0.109	4.24	0.12	0.12	2
22920	450	4.5	4-1/2"	4.94	0.109	4.74	0.12	0.12	2
22921	500	5	5"	5.485	0.109	5.26	0.13	0.12	2
22922	550	5.5	5-1/2"	6.066	0.125	5.77	0.14	0.139	2
22923	600	6	6"	6.62	0.125	6.27	0.14	0.139	2



Reference Chart Available
See end of catalogue

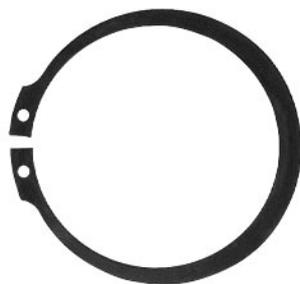
Sizes are approximate. Specifications subject to change without notice.



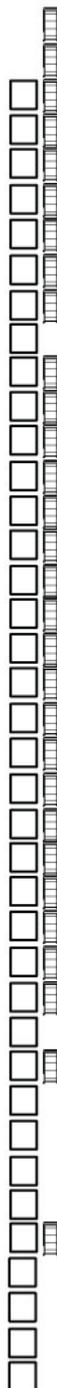
External Retainer Rings (Basic)

The universally applicable rings for shafts and bores. Applications in all branches of industry and machine, instrument and vehicle construction. Cross reference to 1300, 3000, 5000, HO, MS-16625 series. S.A.E. 1060-1090 spring steel. Phosphate and oil finish.

PART#	IND#	SHAFT DECIMAL	SHAFT FRACTION	RING OUTSIDE DIAMETER	RING THICKNESS	GROOVE DIAMETER	GROOVE DEPTH	GROOVE WIDTH	PKG. QTY.
22924	18	0.188	3/16"	0.168	0.015	0.18	0.01	0.018	10
22925	25	0.25	1/4"	0.225	0.025	0.23	0.01	0.029	10
22926	31	0.312	5/16"	0.281	0.025	0.29	0.01	0.029	10
22928	37	0.375	3/8"	0.338	0.025	0.35	0.01	0.029	10
22929	43	0.438	7/16"	0.395	0.025	0.41	0.01	0.029	10
22931	50	0.5	1/2"	0.461	0.035	0.47	0.02	0.039	10
22932	56	0.562	9/16"	0.521	0.035	0.53	0.02	0.039	10
22933	59	0.594	19/32"	0.55	0.035	0.56	0.02	0.039	10
22934	62	0.625	5/8"	0.579	0.035	0.59	0.02	0.039	10
22935	66	0.672	43/64"	0.621	0.035	0.63	0.02	0.039	10
22936	68	0.688	11/16"	0.635	0.042	0.65	0.02	0.046	10
22937	75	0.75	3/4"	0.693	0.042	0.70	0.02	0.046	10
22938	81	0.812	13/16"	0.751	0.042	0.76	0.03	0.046	10
22939	87	0.875	7/8"	0.81	0.042	0.82	0.03	0.046	10
22940	93	0.938	15/16"	0.867	0.042	0.88	0.03	0.046	10
22942	100	1	1"	0.925	0.042	0.94	0.03	0.046	10
22944	106	1.062	1-1/16"	0.982	0.05	1.00	0.03	0.056	10
22945	112	1.125	1-1/8"	1.041	0.05	1.06	0.03	0.056	10
22946	118	1.188	1-3/16"	1.098	0.05	1.12	0.04	0.056	10
22947	125	1.25	1-1/4"	1.156	0.05	1.18	0.04	0.056	10
22948	131	1.312	1-5/16"	1.214	0.05	1.23	0.04	0.056	10
22949	137	1.375	1-3/8"	1.272	0.05	1.29	0.04	0.056	10
22950	143	1.438	1-7/16"	1.333	0.05	1.35	0.04	0.056	10
22951	150	1.5	1-1/2"	1.387	0.05	1.41	0.05	0.056	10
22952	156	1.562	1-9/16"	1.446	0.062	1.47	0.05	0.068	10
22953	162	1.625	1-5/8"	1.503	0.062	1.53	0.05	0.068	10
22954	168	1.688	1-11/16"	1.56	0.062	1.59	0.05	0.068	10
22955	175	1.75	1-3/4"	1.618	0.062	1.65	0.05	0.068	10
22956	187	1.875	1-7/8"	1.735	0.062	1.77	0.05	0.06	10
22957	196	1.969	1-31/32"	1.819	0.062	1.86	0.06	0.068	10
22958	200	2	2"	1.85	0.062	1.89	0.06	0.068	10
22960	212	2.125	2-1/8"	1.964	0.078	2.00	0.06	0.086	5
22962	225	2.25	2-1/4"	2.081	0.078	2.12	0.07	0.086	5
22963	237	2.375	2-3/8"	2.197	0.078	2.24	0.07	0.086	5
22964	243	2.438	2-7/16"	2.255	0.078	2.30	0.07	0.086	5
22965	250	2.5	2-1/2"	2.313	0.078	2.36	0.07	0.086	5
22966	262	2.625	2-5/8"	2.428	0.078	2.48	0.07	0.086	5
22967	275	2.75	2-3/4"	2.543	0.093	2.60	0.07	0.103	2
22968	287	2.875	2-7/8"	2.659	0.093	2.72	0.08	0.1	2
22970	300	3	3"	2.775	0.093	2.84	0.08	0.1	2
22971	350	3.5	3-1/2"	3.237	0.109	3.32	0.09	0.12	2
22972	400	4	4"	3.7	0.109	3.79	0.10	0.12	2
22973	450	4.5	4-1/2"	4.223	0.109	4.31	0.10	0.12	2
22974	500	5	5"	4.692	0.109	4.79	0.11	0.12	2
22975	600	6	6"	5.631	0.125	5.75	0.13	0.139	2



Reference Chart Available
See end of catalogue



Sizes are approximate. Specifications subject to change without notice.

