

DYNALINE

Better products for all.

Chain

Chain Fittings

Eyebolts

Hitch Pin

Links

Pulleys

Pins

Hooks

Snaps

Turnbuckles

U-Bolts



RIGGING & HARDWARE

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CHAIN

Grade 70 Transport Chain

Alloy steel, Class 7. A high strength, hardened and tempered chain made from alloy steel. For farm and truck load binding applications, towing, construction, and logging. Bright yellow dichromate finish. 4:1 design factor.

- Made to NACM specifications.
- Not to be used in overhead lifting applications.

PART#	CHAIN SIZE	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	WT./100'	PAIL	DRUM
70020	1/4"	1.24"	0.38"	3,150 lb	74 lb	--	800'
70021	5/16"	1.29"	0.44"	4,700 lb	100 lb	--	550'
70022	3/8"	1.38"	0.55"	6,600 lb	145 lb	--	400'
70023	1/2"	1.79"	0.72"	11,300 lb	264 lb	--	200'
70024	1/4"	1.24"	0.38"	3,150 lb	74 lb	130'	--
70025	5/16"	1.29"	0.44"	4,700 lb	100 lb	90'	--
70026	3/8"	1.38"	0.55"	6,600 lb	145 lb	64'	--
70034	1/4"	1.24"	0.38"	3,150 lb	74 lb	65'	--
70035	5/16"	1.29"	0.44"	4,700 lb	100 lb	50'	--
70036	3/8"	1.38"	0.55"	6,600 lb	145 lb	45'	--

Grade 30 Proof Coil Chain

Low carbon steel, Class 3. A durable and economical utility chain manufactured from carbon steel. For pulling stumps, lashing cargo, logging, towing, mooring, pipeline installations, and truck tailgates.

- Zinc plated finish.
- Made to NACM specifications.
- Not to be used in overhead lifting applications.

PART#	CHAIN SIZE	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	WT./100'	PAIL
70003	3/16"	0.98"	0.3"	800 lb	29 lb	250'
70004	1/4"	1.24"	0.38"	1,300 lb	52 lb	141'
70005-A	5/16"	1.29"	0.44"	1,900 lb	86 lb	62'
70005	5/16"	1.29"	0.44"	1,900 lb	86 lb	92'
70006	3/8"	1.38"	0.55"	2,650 lb	124 lb	63'
70007	3/16"	0.98"	0.3"	800 lb	29 lb	100'
70008	1/4"	1.24"	0.38"	1,300 lb	52 lb	65'
70013	3/16"	0.98"	0.3"	800 lb	29 lb	150'
70014	1/4"	1.24"	0.38"	1,300 lb	52 lb	100'
70015	5/16"	1.29"	0.44"	1,900 lb	86 lb	75'
70016	3/8"	1.38"	0.55"	2,650 lb	124 lb	45'

Coil Chain (Straight Link)

Low carbon steel, zinc plated. Used in guard chain applications, animal stakes, and farm implements.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70040	#4	0.12"	1.11"	0.21"	205 lb	100'	10 lb

Passing Link Chain

Low carbon steel, zinc plated. General utility chain that resists kinks or knots.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70045	#2/0	0.19"	0.88"	0.47"	450 lb	120'	32 lb



Twist Link Machine Chain

Zinc plated. General utility chain that lays flat against a surface. Ideal for tie-down applications.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70050	#2/0	0.19"	0.73"	0.28"	520 lb	75'	34 lb
70051	#4	0.12"	0.52"	0.17"	200 lb	100'	13 lb



Double Loop Chain (Tenso Or Lion)

Zinc plated. For animal restraints, swings, door crash stops.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70060	#2/0	0.135"	1.82"	0.34"	255 lb	150'	17 lb
70063	#3	0.08"	1.10"	0.187"	90 lb	200'	6 lb



Double Loop Chain

Vinyl covered, blue or green.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	BOX LENGTH	WEIGHT/100'
70061	#1/0	0.12"	1.78"	0.312"	200 lb	100'	17 lb
70062	#2	0.091"	1.33"	0.167"	115 lb	125'	11 lb



Sash Chain

Zinc plated. Specifically designed to operate smoothly over pulleys. Ideal for hanging sash.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70075	#35	0.035"	0.57"	--	106 lb	100'	5.7 lb



Furnance Chain

Zinc plated. Light Duty, retainer chain.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	INSIDE WIDTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70080	#1/0	0.022"	0.50"	0.199"	35 lb	250'	2.3 lb



Not recommended for
overhead lifting



NEW!



NEW!



Single Jack Chain

Zinc plated. For animal restraints, swings, door crash stops.

PART#	TRADE SIZE	DIAMETER	INSIDE LENGTH	W.L.L.	REEL LENGTH	WEIGHT/100'
70085	#10T	0.135"	0.093"	43 lb	150'	14 lb
70086	#12	0.105"	0.75"	29 lb	100'	8.5 lb
70087	#14	0.080"	0.63"	16 lb	200'	4.8 lb

Grade 70 - 5/16" Transport Chain Assemblies

Assembled with two plated alloy clevis grab hooks.

Comes with aluminum capacity tag.

Packaged in a plastic pail.

PART#	LENGTH	WLL	ULL
66051	16'	4,700lb	18,800lb
66052	20'	4,700lb	18,800lb

Grade 70 - 3/8" Transport Chain Assemblies

Assembled with two plated alloy clevis grab hooks.

Comes with aluminum capacity tag.

Packaged in a plastic pail.

PART#	LENGTH	WLL	ULL
66053	16'	6,600lb	26,400lb
66054	20'	6,600lb	26,400lb

HOOKS

Clevis Slip Hooks

Forged carbon steel. Clear zinc plated finish.
For use with Grade 30 & Grade 40 chains.

PART#	CHAIN DIAMETER	PIN	A	B	C	W.L.L.	U.L.L.
66115	1/4"	3/8"	7/16"	15/16"	4"	1,950 lb	7,800 lb
66116	5/16"	7/16"	1/2"	1-1/16"	4-1/2"	2,875 lb	11,500 lb
66117	3/8"	1/2"	9/16"	1-5/16"	5-3/8"	4,000 lb	16,000 lb
66118	7/16"	9/16"	5/8"	1-9/16"	6"	5,000 lb	20,000 lb
66119	1/2"	5/8"	3/4"	1-11/16"	6-3/4"	6,500 lb	26,000 lb

Eye Slip Hooks

Forged carbon steel. Clear zinc plated finish.
For use with Grade 30 & Grade 40 chains.

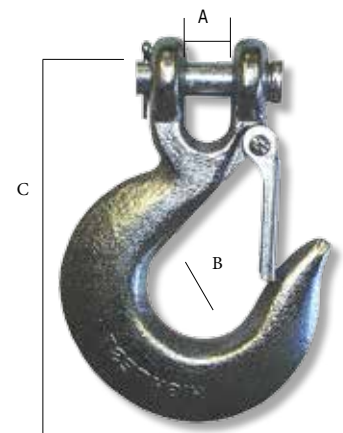
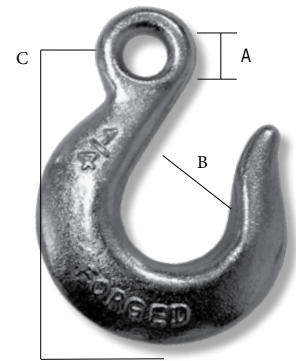
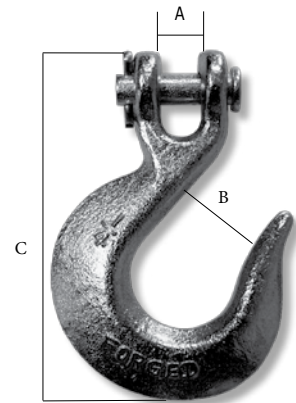
PART#	CHAIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66129	1/4"	1/2"	15/16"	3-5/8"	1,950 lb	7,800 lb
66130	5/16"	5/8"	1-1/16"	4-3/16"	2,875 lb	11,500 lb
66131	3/8"	11/16"	1-5/16"	4-7/8"	4,000 lb	16,000 lb

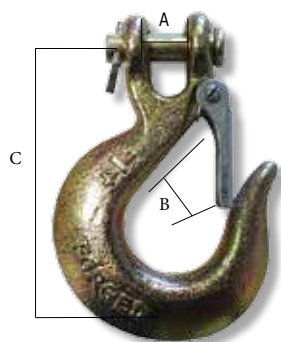
Carbon Clevis Slip Hooks With Latch

Forged carbon steel. Clear zinc plated finish.
For use with Grade 30 & Grade 40 chains.

PART#	CHAIN DIAMETER	PIN	A	B	C	W.L.L.	U.L.L.
66070	1/4"	3/8"	7/16"	15/16"	4"	1,950 lb	7,800 lb
66071	5/16"	3/8"	1/2"	1-1/16"	4-1/2"	2,875 lb	11,000 lb
66072	3/8"	7/16"	5/8"	1-5/8"	5-1/4"	4,000 lb	16,000 lb

Not recommended for
overhead lifting

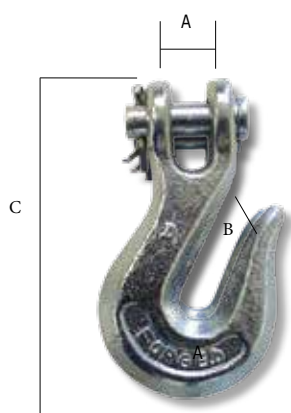




Alloy Clevis Slip Hooks With Latch

Forged alloy steel. For use with Grade 70 chain.
Yellow zinc dichromate plated finish.

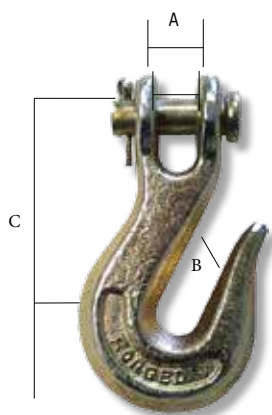
PART#	CHAIN DIAMETER	PIN	A	B	C	W.L.L.	U.L.L.
66073	1/4"	3/8"	7/16"	15/16"	4"	2,750 lb	11,000 lb
66074	5/16"	7/16"	1/2"	1-1/16"	4-1/2"	4,300 lb	17,200 lb
66075	3/8"	7/16"	5/8"	1-5/8"	5-3/16"	5,250 lb	21,000 lb
66076	1/2"	5/8"	3/4"	1-3/4"	6-6/8"	9,000 lb	36,000 lb



Clevis Grab Hooks

Forged carbon steel. Clear zinc plated finish.
For use with Grade 30 & Grade 40 chain.

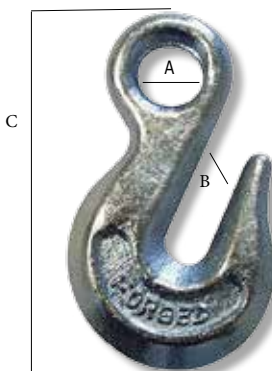
PART#	CHAIN DIAMETER	PIN	A	B	C	W.L.L.	U.L.L.
66110	1/4"	3/8"	0.36"	13/32"	3-3/8"	2,600 lb	10,400 lb
66111	5/16"	7/16"	0.40"	7/16"	3-15/16"	3,900 lb	15,600 lb
66112	3/8"	1/2"	0.48"	1/2"	4-1/2"	5,400 lb	21,600 lb
66113	7/16"	9/16"	0.66"	9/16"	5"	7,200 lb	28,800 lb
66114	1/2"	5/8"	0.75"	5/8"	5-3/4"	9,200 lb	36,800 lb



Alloy Clevis Grab Hooks

Forged alloy steel. For use with Grade 70 chain.
Yellow zinc dichromate plated finish.

PART#	CHAIN DIAMETER	PIN	A	B	C	W.L.L.	U.L.L.
66120	1/4"	3/8"	5/16"	13/32"	3-3/8"	3,600 lb	14,400 lb
66121	5/16"	7/16"	3/8"	7/16"	3-15/16"	5,400 lb	21,600 lb
66122	3/8"	15/32"	7/16"	1/2"	4-1/2"	7,500 lb	30,000 lb
66126	7/16"	9/16"	21/32"	9/16"	5"	10,000 lb	40,000 lb
66127	1/2"	5/8"	3/4"	21/32"	5-7/8"	12,750 lb	51,000 lb



Eye Grab Hooks

Forged carbon steel. Clear zinc plated finish.
For use with Grade 30 chains.

PART#	CHAIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66123	1/4"	1/2"	11/32"	3-1/16"	2,600 lb	10,400 lb
66124	5/16"	9/16"	7/16"	3-9/16"	3,900 lb	15,600 lb
66125	3/8"	13/16"	1/2"	4-1/4"	5,400 lb	21,600 lb

Alloy Clevis Hooks With Latch

Forged alloy steel. For use with Grade 70 chain.
Yellow zinc dichromate plated finish.

PART#	CHAIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66080	1/4"	3/8"	3/8"	1-15/16"	3,600 lb	14,400 lb
66081	5/16"	3/8"	7/16"	2-1/4"	5,400 lb	21,000 lb
66082	3/8"	1/2"	1/2"	2-5/8"	7,500 lb	30,000 lb
66083	1/2"	13/16"	11/16"	3-3/16"	12,750 lb	51,000 lb

Swivel Eye Hook

Forged carbon steel. Clear zinc plated finish.
Not recommended for overhead lifting.

PART#	A	B	C	W.L.L.	U.L.L.
66134	1-1/4"	7/8"	5-9/16"	1,500 lb	7,500 lb

SAFETY HOOKS

Forged carbon steel. Clear zinc plated finish.
Not recommended for overhead lifting.

Safety Slip Hooks

PART#	CHAIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66133	1/4"	1/2"	3/4"	3-5/8"	1,950 lb	7,800 lb
66135	5/16"	5/8"	13/16"	4-3/16"	2,875 lb	11,500 lb

Safety Winch Hook

PART#	CHAIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66136	1/4"	3/4"	3/4"	3-5/8"	1,500 lb	7,500 lb

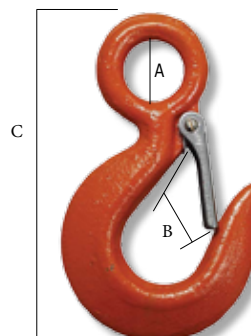
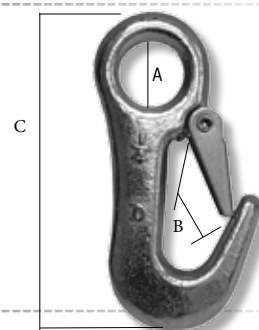
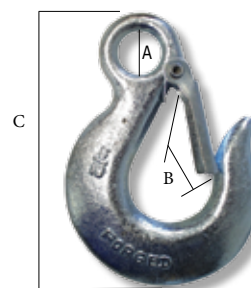
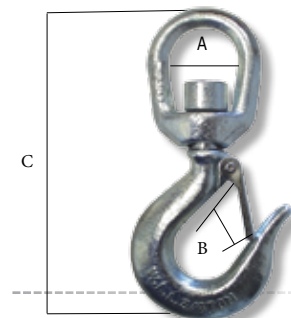
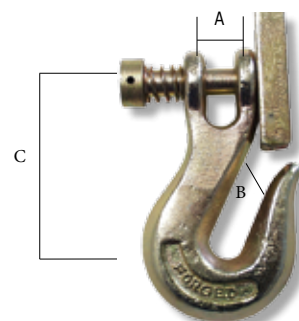
HOIST HOOKS

Complete with latches. Enamel painted finish. 5:1 safety factor.

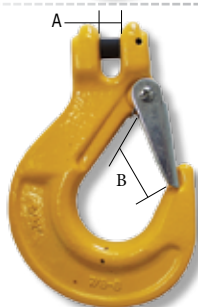
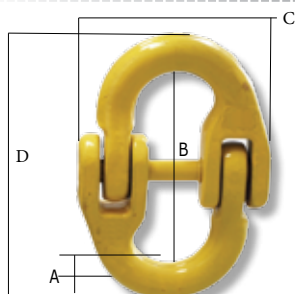
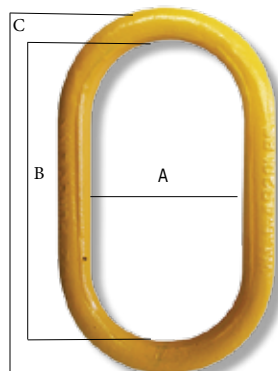
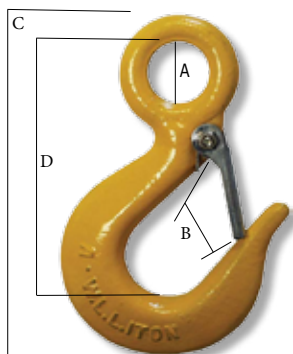
Eye Hoist Hooks - Carbon Steel (Orange)

PART#	A	B	C	W.L.L. (TONS)	U.L.L. (TONS)	LATCH KIT
66145	3/4"	13/16"	4-5/16"	3/4	3-3/4	66151
66146	7/8"	1-1/32"	4-7/8"	1	5	66152
66147	1-1/8"	1-1/16"	5-5/8"	1-1/2	7-1/2	66153
66148	1-1/4"	1-7/32"	6-1/2"	2	10	66154
66149	1-1/2"	1-1/2"	8"	2-1/2	15	66155
66150	2"	1-7/8"	10-1/4"	5	25	66156

Not recommended for
overhead lifting



Not recommended for
overhead lifting



Eye Hoist Hooks - Alloy Steel (Yellow)

Complete with latches. Enamel painted finish. 5:1 safety factor.

PART#	A	B	C	D	W.L.L. (TONS)	LATCH KIT
67145	5/8"	15/16"	3-7/8"	2-3/4"	3/4	66151
67146	3/4"	1-1/32"	4-3/8"	3-3/16"	1	66152
67147	15/16"	1-1/8"	4-7/8"	3-11/16"	1-1/2	66153
67148	1-1/8"	1-7/32"	5-1/2"	4"	2	66154
67149	1-1/4"	1-3/8"	6-1/2"	4-11/16"	3	66155

GRADE 80 FITTINGS

NEVER exceed Working Load Limits! Do not use less than Grade 80 fittings with any application!
Do not use chain or fittings showing signs of wear or deformities!

Master Links

PART#	CHAIN DIAMETER	A	B	C	W.L.L.
67005	1/2"	2-1/2"	5"	6"	7,000 lb
67006	5/8"	3"	6"	7-1/4"	9,000 lb
67007	3/4"	2-3/4"		7"	10,500 lb
67008	1"	3-1/2"	7"	9"	24,350 lb

Connecting Links

PART#	CHAIN DIAMETER	A	B	C	D	W.L.L.
67020	1/4"	3/8"	1-7/8"	1-3/4"	2-1/2"	7,000 lb
67021	5/16"	25/64"	2-1/8"	2"	3"	9,000 lb
67022	3/8"	17/32"	2-1/2"	2-1/2"	3-1/2"	10,500 lb
67023	1/2"	5/8"	3-7/16"	3-7/32"	4-1/2"	24,360 lb

Clevis Grab Hooks

PART#	CHAIN DIAMETER	A	B	C	W.L.L.
67025	1/4"	3/8"	3/8"	3-11/16"	3,500 lb
67026	3/8"	1/2"	1/2"	5"	7,100 lb
67027	1/2"	5/8"	5/8"	5-13/16"	12,000 lb

Clevis Sling Hooks

PART#	CHAIN DIAMETER	A	B	C	W.L.L.	LATCH KIT
67030	1/4"	3/8"	1-3/8"	5-5/16"	4,500 lb	67030-1
67031	3/8"	9/16"	1-11/16"	6-5/16"	6,940 lb	67031-1
67032	1/2"	5/8"	2"	7-5/8"	11,685 lb	67032-1

Self-Locking Clevis Hooks

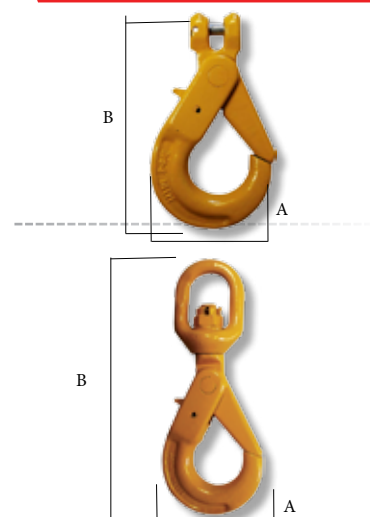
PART#	CHAIN DIAMETER	A	B	W.L.L.	LATCH KIT
67040	9/32"	3-1/2"	6-1/4"	4,500 lb	67040-1
67041	3/8"	4-3/8"	7-1/2"	6,400 lb	67041-1
67042	1/2"	5-7/16"	9-1/2"	10,800 lb	67042-1

Swivel Eye Hoist Hooks

Design factor 4:1.

PART#	CHAIN DIAMETER	A	B	W.L.L.	LATCH KIT
67050	1/4"	2-3/4"	7"	4,500 lb	67040-1
67051	3/8"	4-3/8"	10-3/4"	7,100 lb	67041-1
67052	1/2"	5-3/8"	12-3/4"	12,000 lb	67042-1

Not recommended for overhead lifting



SHACKLES

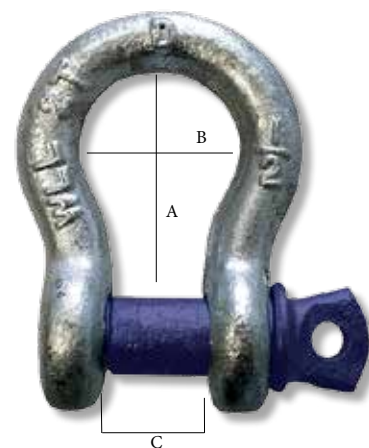
Screw Pin Anchor Shackles

Heat treated alloy forged steel. Oversized alloy pin.
Hot dipped galvanized finish.

Meets Fed. Spec. RR-C-271D,
Type 4A, Class 2, Design factor 6:1.

Marked for Traceability: "D" marking
for Dynalene.

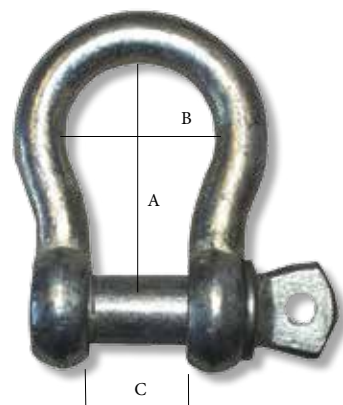
PART#	BODY DIAMETER	PIN DIAMETER	A	B	C	W.L.L. (TONS)
66000	1/4"	5/16"	1-1/8"	3/4"	1/2"	1/2
66001	5/16"	3/8"	1-1/4"	7/8"	1/2"	3/4
66002	3/8"	7/16"	1-7/16"	1"	5/8"	1
66003	7/16"	1/2"	1-11/16"	1-1/8"	3/4"	1-1/2
66004	1/2"	5/8"	1-7/8"	1-5/16"	3/4"	2
66005	5/8"	3/4"	2-3/8"	1-5/8"	1-1/16"	3-1/4
66006	3/4"	7/8"	2-3/4"	2"	1-1/4"	4-3/4
66007	7/8"	1"	3-5/16"	2-1/4"	1-7/16"	6-1/2
66008	1"	1-1/8"	3-3/4"	2-11/16"	1-11/16"	8-1/2
66059	1-1/8"	1-1/4"	4-1/4"	2-5/8"	1-3/4"	9-1/2
66060	1-1/4"	1-3/8"	4-11/16"	3"	2"	12
66061	1-3/8"	1-1/2"	5-1/4"	3-5/8"	2-1/4"	13-1/2
66062	1-1/2"	1-5/8"	5-3/4"	3-7/8"	2-3/8"	17



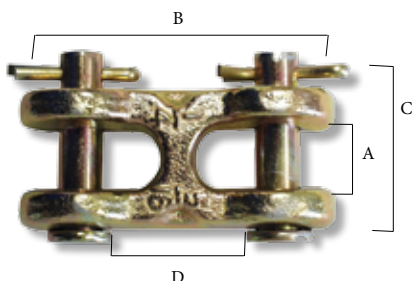
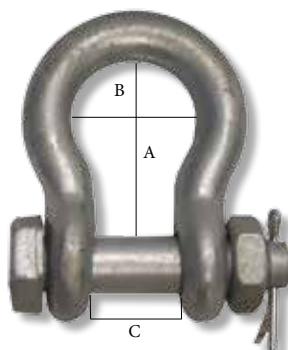
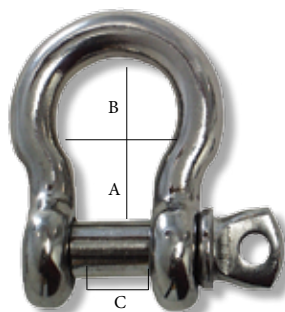
Commercial Grade Anchor Shackles

Oversized pin. C1010 Carbon Steel, galvanized. For general applications.
Design factor 2:1. Not to be used for lifting.

PART#	BODY DIAMETER	PIN DIAMETER	A	B	C	W.L.L.
66010	1/4"	5/16"	1-1/8"	3/4"	1/2"	600 lb
66011	5/16"	3/8"	1-7/32"	13/16"	17/32"	1/2 Ton
66012	3/8"	7/16"	1-7/16"	15/16"	1-7/16"	3/4 Tons
66013	1/2"	5/8"	1-7/8"	1-5/16"	13/16"	1-1/2 Tons
66014	5/8"	3/4"	2-3/8"	1-11/16"	1-1/16"	2-1/4 Tons
66017	7/16"	1/2"	1-11/16"	1-5/32"	11/16"	1-1/4 Tons



Not recommended for
overhead lifting



Stainless Steel Shackles

A151 316 Stainless steel.

PART#	BODY DIAMETER	PIN DIAMETER	A	B	C	W.L.L.
64060	3/16"	1/4"	7/8"	11/16"	3/8"	300 lb
64061	1/4"	5/16"	1-1/8"	3/4"	1/2"	450 lb
64062	5/16"	13/32"	1-3/16"	13/16"	19/32"	650 lb
64063	3/8"	1/2"	1-3/8"	1"	11/16"	1,000 lb

Screw Pin Chain Shackles

High-tensile forged steel. Oversized pin. Hot dipped galvanized finish.

Meets Fed. Spec. RR-C-271D, Type 4B, Class 2. Design factor 6:1.

PART#	BODY DIAMETER	PIN DIAMETER	A	B	W.L.L. (TONS)
66020	1/4"	5/16"	7/8"	7/16"	1/2
66021	5/16"	3/8"	1"	9/16"	3/4
66022	3/8"	7/16"	1-1/4"	5/8"	1
66023	7/16"	1/2"	1-7/16"	11/16"	1-1/2
66024	1/2"	5/8"	1-5/8"	3/4"	2

Bolt Type Anchor Shackles

High-tensile forged steel. Oversized pin. Hot dipped galvanized finish.

Meets Fed. Spec. RR-C-271D, Type 4A, Class 3. Design factor 6:1.

PART#	BODY DIAMETER	PIN DIAMETER	A	B	C	W.L.L. (TONS)
66900	1/4"	5/16"	1-1/8"	3/4"	1/2"	1/2
66901	5/16"	3/8"	1-1/4"	7/8"	1/2"	3/4
66902	3/8"	7/16"	1-7/16"	1"	5/8"	1
66903	7/16"	1/2"	1-11/16"	1-1/8"	3/4"	1-1/2
66904	1/2"	5/8"	1-7/8"	1-5/16"	3/4"	2
66905	5/8"	3/4"	2-3/8"	1-5/8"	1-1/16"	3-1/4
66906	3/4"	7/8"	2-3/4"	2"	1-1/4"	4-3/4
66907	7/8"	1"	3-5/16"	2-1/4"	1-7/16"	6-1/2
66908	1"	1-1/8"	3-3/4"	2-11/16"	1-11/16"	8-1/2
66959	1-1/8"	1-1/4"	4-1/4"	2-5/8"	1-3/4"	9-1/2
66960	1-1/4"	1-3/8"	4-11/16"	3"	2"	12

Mid Links

Forged carbon steel body. Alloy steel pins. Yellow zinc dichromate plated finish. For use with Grade 30, 40 & 70 chain.

PART#	CHAIN	PIN DIAMETER	A	B	C	D	W.L.L.	U.L.L.
66138	1/4"-5/16"	3/8"	7/16"	2-1/2"	1-5/8"	1-3/16"	4,700 lb	18,800 lb
66139	3/8"	7/16"	1/2"	2-13/16"	1-13/16"	1-3/8"	6,600 lb	26,400 lb
66140	7/16"-1/2"	9/16"	5/8"	3-5/8"	2-3/16"	1-3/4"	11,250 lb	45,000 lb

Notice: If pins are difficult to remove after 1/4 turn, it has likely been overloaded, and must be discarded and replaced.

LINKS

Cold Shuts

Formed steel. Clear zinc plated finish.

PART#	WIRE	W.L.L.	PACKAGE QUANTITY
66440	3/16"	550 lb	10
66441	1/4"	750 lb	10
66442	5/16"	1,250 lb	5
66443	3/8"	1,900 lb	5
66444	7/16"	2,650 lb	5
66445	1/2"	3,500 lb	5

Double Swivel

Ductile cast iron. Hot dipped, galvanized finish.

PART#	CHAIN	A	B	W.L.L.	U.L.L.
66163	3/8"	5/8"	5-7/16"	2,250 lb	5,625 lb

Forged Chain Swivel

Hot dipped, galvanized. Meets Fed. Spec. RR-C-271D-Type 7, Class 2. Not designed to swivel under load!

PART#	A	B	C	D	W.L.L.	U.L.L.
66165	1/4"	1-1/16"	3"	3-7/16"	850 lb	4,250 lb
66166	5/16"	1-1/4"	3-9/16"	4-1/8"	1,250 lb	6,250 lb
66167	3/8"	1-1/2"	4-5/16"	5-7/16"	2,250 lb	11,250 lb
66168	1/2"	2"	5-7/16"	6-7/16"	3,600 lb	18,000 lb

Repair Links

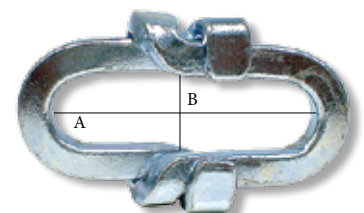
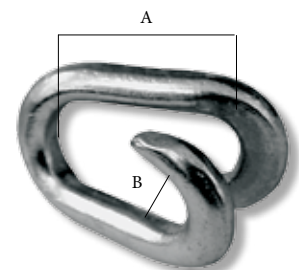
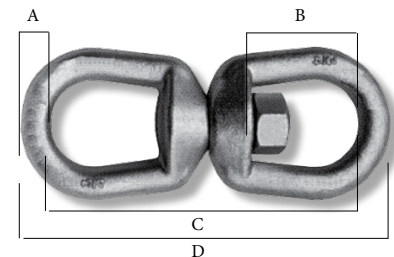
Mild steel. Clear zinc plated finish.

PART#	CHAIN	A	B	W.L.L.	U.L.L.	PACKAGE QUANTITY
66400	1/8"	3/4"	1/4"	150 lb	600 lb	10
66401	3/16"	1"	1/2"	200 lb	800 lb	10
66402	1/4"	1-1/4"	1/2"	400 lb	1,600 lb	10
66403	5/16"	1-1/2"	3/4"	700 lb	2,800 lb	5
66404	3/8"	1-5/8"	3/4"	1,500 lb	6,000 lb	5

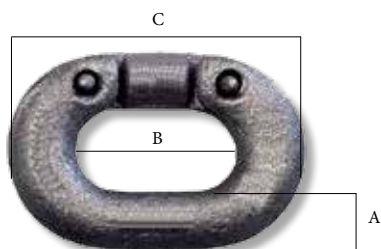
Link Locks

PART#	CHAIN	A	B	W.L.L.	U.L.L.	PACKAGE QUANTITY
66413	1/4"	2-1/4"	5/8"	1,000 lb	3,700 lb	5
66414	5/16"	2-3/4"	3/4"	1,500 lb	6,000 lb	5
66415	3/8"	3-1/8"	3/4"	3,000 lb	12,000 lb	5

Not recommended for
overhead lifting



Not recommended for
overhead lifting



"Missing Link" Connecting Links

Forged steel, Grade 30.

PART#	CHAIN	A	B	C	W.L.L.	PACKAGE QUANTITY
66416	1/4"	9/32"	7/8"	1-1/2"	1,125 lb	5
66417	5/16"	11/32"	15/16"	1-11/16"	1,700 lb	5
66418	3/8"	13/32"	1-1/8"	2-1/16"	2,325 lb	5

Quick Links - Zinc Plated

Zinc plated. Mild steel.

PART#	A	B	C	W.L.L.	U.L.L.	PACKAGE QUANTITY
66430	1/8"	3/16"	1-7/16"	220 lb	550 lb	10
66431	3/16"	1/4"	2"	660 lb	1,650 lb	10
66432	1/4"	9/32"	2-1/4"	880 lb	2,200 lb	10
66433	5/16"	11/32"	2-15/16"	1,760 lb	4,400 lb	5
66434	3/8"	7/16"	3-9/16"	2,200 lb	5,500 lb	5
66435	7/16"	1/2"	3-11/16"	2,640 lb	6,600 lb	5
66436	1/2"	9/16"	4-1/8"	3,300 lb	8,250 lb	5

Quick Links - Stainless Steel

A151 316 Stainless Steel.

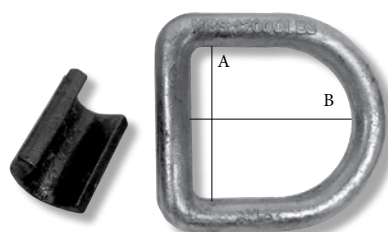
PART#	A	B	C	W.L.L.	PACKAGE QUANTITY
64000	1/8"	3/16"	1-7/16"	220 lb	5
64001	5/32"	7/32"	1-5/8"	400 lb	5
64002	1/4"	11/32"	2-9/32"	880 lb	5
64003	5/16"	3/8"	2-7/8"	1,600 lb	5
64004	3/8"	1/2"	3-1/2"	2,200 lb	5

D-RINGS

Forged-D-Ring With Weld-On Bracket

Forged, hot dipped, galvanized. Comes with weld-on bracket.

PART#	WIRE DIAMETER	A	B	W.L.L.
66185	1/2"	2-1/4"	2-1/2"	12,000 lb
66186	5/8"	3"	3"	18,000 lb
66187	3/4"	3"	3"	26,500 lb
66188	1"	3"	4"	47,000 lb

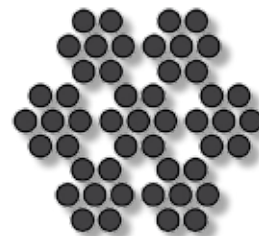


SMALL DIAMETER CABLE (AIRCRAFT CABLE)

Galvanized steel. Supplied on spools.

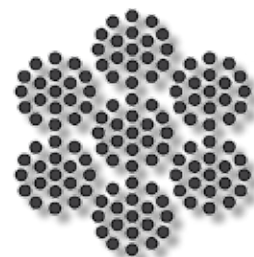
7X7 Construction

PART#	CABLE DIAMETER	BREAK STRENGTH	SPOOL LENGTH
77000	1/16"	480 lb	500'
77001	3/32"	920 lb	500'
77002	1/8"	1,700 lb	250'
77010	1/16"	480 lb	1,000'
77011	3/32"	920 lb	1,000'
77012	1/8"	1,700 lb	1,000'



7X19 Construction

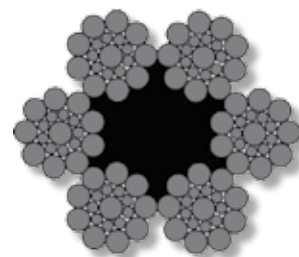
PART#	CABLE DIAMETER	BREAK STRENGTH	SPOOL LENGTH
77003	5/32"	2,800 lb	250'
77004	3/16"	4,200 lb	250'
77005	1/4"	7,000 lb	250'
77006	5/16"	9,800 lb	250'
77007	3/8"	14,400 lb	250'
77013	5/32"	2,800 lb	1,000'
77014	3/16"	4,200 lb	1,000'
77015	1/4"	7,000 lb	1,000'
77016	5/16"	9,800 lb	1,000'
77017	3/8"	14,400 lb	1,000'



Wire Rope

Supplied in coils. Oily finish. Fibre core.

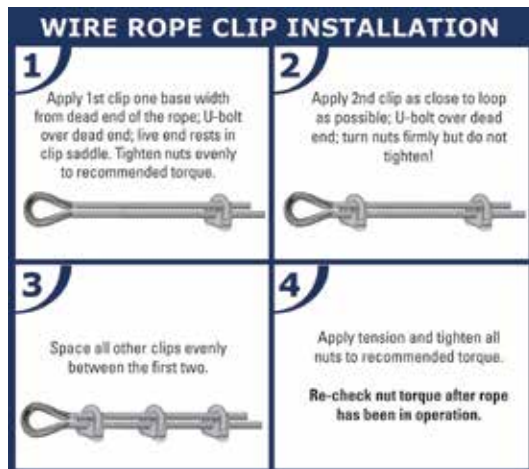
PART#	ROPE DIAMETER	BREAK STRENGTH	SPOOL LENGTH
77020	1/2"	22,000 lb	100'



NOTE: Properly swagged cable sleeves are capable of maintaining over 90% of the breaking strength of the cable.

The maximum holding strength of cable stops are approximately 1/3 of the strength of the cable.

To determine the exact holding strength, a pull test must be performed prior to use.



WIRE ROPE CLIPS

Complete with U-bolts and nuts.

Malleable Iron Wire Rope Clips

Galvanized iron saddles. Meets Fed. Spec. FF-C-450, Type 1, Class 2*, (except 1/8").

PART#	CABLE	PACKAGE QUANTITY
77030	1/8"	10
77031	3/16"	10
77032	1/4"	10
77033	5/16"	10
77034	3/8"	5
77035	1/2"	5
77036	5/8"	1
77037	3/4"	1
77038	7/8"	1
77039	1"	1

Forged Steel Wire Rope Clips

Forged steel body. Zinc plated finish. Meets Fed. Spec. FF-C-450, Type 1, Class 1**.

PART#	CABLE	PACKAGE QUANTITY
77040	1/8"	5
77041	3/16"	5
77042	1/4"	5
77043	5/16"	5
77044	3/8"	5
77045	1/2"	5
77046	5/8"	1
77047	3/4"	1
77048	7/8"	1
77049	1"	1

Stainless Steel Wire Rope Clips

Metric thread. Stainless Steel Grade 304***.

PART#	CABLE	PACKAGE QUANTITY
64020	1/8"	5
64021	3/16"	5
64022	1/4"	5
64023	5/16"	5
64024	3/8"	5

* **Type I** - Single grip, single saddle, with U-bolts and nuts (MS16842).

Class 2 - Assembled with separate hex headed bolts and nuts (MS51868).

** **Type I** - Single grip, single saddle, with U-bolts and nuts (MS16842).

Class 1 - Steel saddle.

*** **Grade 304** - is the standard "18/8" stainless; it is the most versatile and most widely used stainless steel, available in a wider range of products, forms and finishes than any other. It has excellent forming and welding characteristics.



THIMBLES

Cable Thimbles

Stainless Steel.

PART#	CABLE	PACKAGE QUANTITY
64040	1/8"	5
64041	3/16"	5
64042	1/4"	5
64043	5/16"	5
64044	3/8"	5

Standard Wire Rope Thimbles

Zinc plated steel. Meets Fed. Spec. FF-T-276B, Type 2.

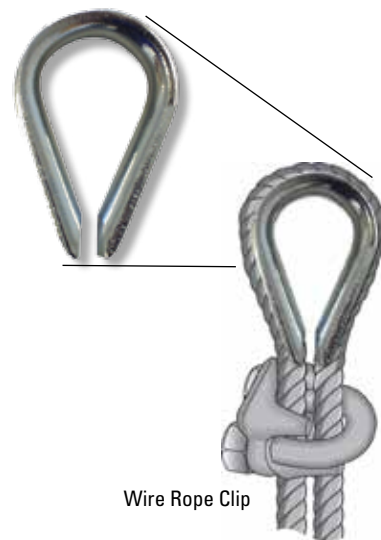
PART#	CABLE	PACKAGE QUANTITY	PART#	CABLE	PACKAGE QUANTITY
77050	1/8"	10	77054	3/8"	10
77051	3/16"	10	77055	1/2"	5
77052	1/4"	10	77056	5/8"	1
77053	5/16"	10			

Heavy Wire Rope Thimbles

Hot dipped galvanized steel. Meets Fed. Spec. FF-T-276B, Type 3.

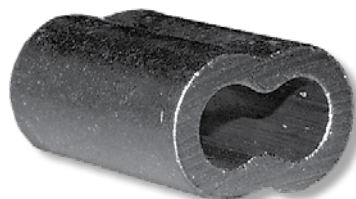
PART#	CABLE	PACKAGE QUANTITY	PART#	CABLE	PACKAGE QUANTITY
77060	1/4"	10	77065	3/4"	1
77061	5/16"	10	77066	7/8"	1
77062	3/8"	10	77067	1"	1
77063	1/2"	5	77068	1-1/8"	1
77064	5/8"	1			

Warning: Thimbles are not designed to support loads.



Wire Rope Clip





CABLE STOPS AND SLEEVES

Cable Stops

Aluminum.

PART#	CABLE	LENGTH	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
77070	1/16"	3/16"	10	97070	10 x 77070
77071	3/32"	5/16"	10	97071	10 x 77071
77072	1/8"	5/16"	10	97072	10 x 77072
77073	5/32"	5/16"	10	97073	10 x 77073
77074	3/16"	3/8"	10	97074	10 x 77074
77075	1/4"	11/16"	5	97075	5 x 77075

Cable Sleeves

Aluminum.

PART#	CABLE	LENGTH	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
77080	1/16"	3/8"	10	97080	10 x 77080
77081	3/32"	1/2"	10	97081	10 x 77081
77082	1/8"	5/8"	10	97082	10 x 77082
77083	5/32"	9/16"	10	97083	10 x 77083
77084	3/16"	1"	10	97084	6 x 77084
77085	1/4"	1-1/8"	10	97085	5 x 77085
77086	5/16"	1-1/4"	10		
77087	3/8"	1-1/2"	10		

NOTE:

Properly swagged cable sleeves are capable of maintaining over 90% of the breaking strength of the cable.

The maximum holding strength of cable stops are approximately 1/3 of the strength of the cable.

To determine the exact holding strength, a pull test must be performed prior to use.

CABLE CUTTERS AND SWAGERS

Cable Cutters

Aluminum drop-forged handles. Heat-treated blades (HRC 56-63). SK-5 cutter material.

PART#	REFERENCE#	CUTTING CAPACITY	OVERALL LENGTH
77107	C-7	Up to 5/32" Diameter Cable	7-1/2"
77116	C-16	Up to 5/8" Diameter Cable	23"



77116

Bench Swager

For in-shop, one location jobs. Multi-compression jaws swager for 1/16", 3/32", 1/8", 5/32" & 3/16" oval/stop sleeves.

PART#	LENGTH	HEIGHT (OPEN)	WEIGHT
77101	22-1/2"	24"	3 kg



Hand Swager

For installing aluminum or copper sleeves & stops. Heat-treated alloy jaws.

PART#	CRIMPING CAPACITY	LENGTH
77100	1/16" to 3/16" Diameter	24"



TIRE CHAIN PLIERS AND HARDWARE

Tire Chain Pliers

Opens & closes chain hardware easily. Alloy steel jaws. Steel handles with rubber hand grips.

PART#	OVERALL LENGTH	JAW OPENING
68100	32"	2"



Tire Chain Hardware

Made from C-1020 carbon steel.

PART#	DESCRIPTION	OVERALL LENGTH
68010	Boomer	7"
68011	Clevis & Thumbscrew	2"
68012	C-Hook	4"
68013	Boomer	6-1/2"
68014	C-Link	2-1/2"
68015	C-Hook	3-1/2"





PULLEYS

Die Cast Aluminium Pulleys

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

Solid

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

Spoked

PART#	OUTSIDE DIAMETER	BORE	KEY WAY	PART#	OUTSIDE DIAMETER	BORE	KEYWAY
55426	6"	1/2"	No	55430	7"	5/8"	Yes
55427	6"	5/8"	Yes	55431	7"	3/4"	Yes
55428	6"	3/4"	Yes	55433	8"	5/8"	Yes
55429	7"	1/2"	No	55434	8"	3/4"	Yes

Variable Speed

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
55490	3-1/4"	1/2"	No
55491	3-1/4"	5/8"	Yes
55492	3-1/4"	3/4"	Yes

DIE CAST AWNING PULLEYS

Single Fixed

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

Double Fixed

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

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

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

STEEL PULLEY BLOCKS**Swivel**

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

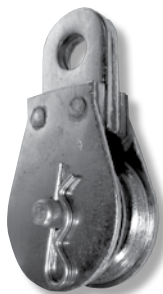
Fixed

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

Swivel With Double Hooks

PART#	SHEAVE DIAMETER	LENGTH	ROPE DIAMETER	W.L.L.
55830	1-1/2"	5"	up to 3/8"	460 lb





STEEL PULLEY BLOCKS (DEUER TYPE)

Swivel Eye

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

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

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

Single Hook

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

Replacement Sheaves

PART#	DIAMETER	BORE SIZE	W.L.L.
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

Replacement Sheaves

For heavy duty pulley blocks.

PART#	SHEAVE DIAMETER	W.L.L.
55890	1-1/2"	460 lb
55891	2"	480 lb
55892	2-1/2"	550 lb
55893	3"	650 lb

STAKE RACK HARDWARE

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

Stake Hooks

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

PART#	EYE INSIDE DIAMETER
23054	5/8"

HOOKS

Gate Hooks

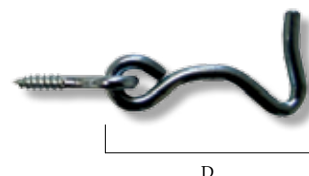
Clear zinc plated finish.

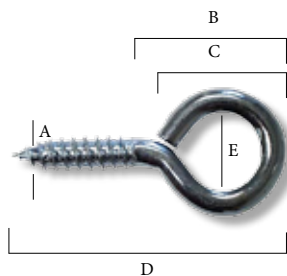
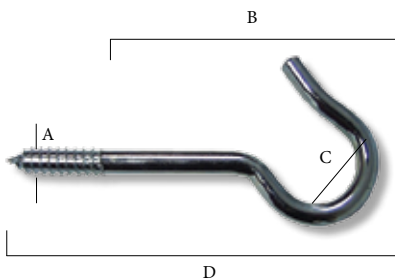
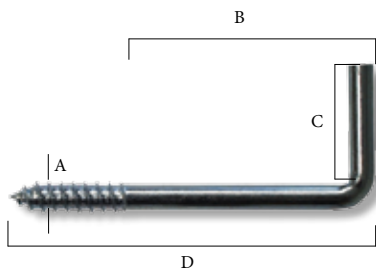
PART#	D (LENGTH)	WIRE DIAMETER	PACKAGE QUANTITY
65051	2"	0.155"	10
65052	2-1/2"	0.155"	10
65053	3"	0.176"	10

S-Hooks

Clear zinc plated finish.

PART#	WIRE DIAMETER	OVERALL LENGTH	PACKAGE QUANTITY
66230	0.093" (3/32")	1"	10
66232	0.105" (7/64")	1-3/32"	10
66234	0.120" (1/8")	1-3/8"	10
66235	0.162" (5/32")	1-1/2"	10
66236	0.141" (9/64")	2-1/8"	10
66238	0.250" (1/4")	2-5/8"	10
66239	0.188" (3/16")	3"	10





Tarpe 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 (MM)	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	3/16"	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

Screw Eyes

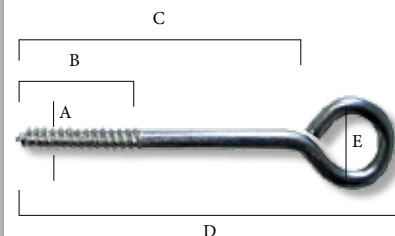
Clear zinc plated finish.

PART#	A	B	C	D	E	PACKAGE QUANTITY
65006	0.216"	15/16"	1"	1-15/16"	17/32"	10
65014	0.112"	1/2"	3/8"	1-1/16"	11/32"	10
65017	0.190"	13/16"	5/8"	1-9/16"	25/64"	10
65018	0.158"	11/16"	5/8"	1-5/16"	21/64"	10
65020	0.112"	1/2"	13/32"	15/16"	1/4"	10
65024	0.250"	1-1/8"	7/8"	1-5/16"	19/64"	10

Lagscrew Eyebolts

Clear zinc plated finish.

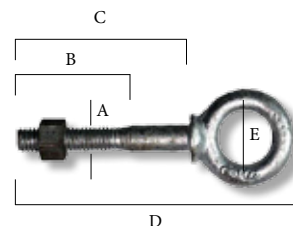
PART#	A	B	C	D	E	PACKAGE QUANTITY
65161	1/4"	1-5/16"	2-3/4"	3-3/4"	1/2"	10
65162	1/4"	1-7/8"	4"	5"	1/2"	10
65163	5/16"	1-7/8"	2-3/4"	4"	5/8"	10
65164	5/16"	1-7/8"	4-3/4"	6"	5/8"	10
65165	3/8"	1-15/16"	3"	4-1/2"	3/4"	10
65166	3/8"	2-7/8"	6-1/2"	8"	3/4"	10



Shoulder Eyebolts

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

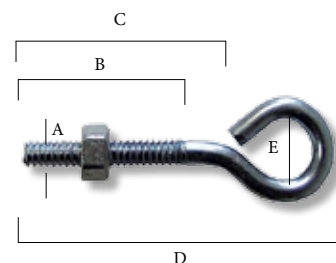
PART#	A	B	C	D	E	W.L.L.
66100	1/4"	1-1/2"	2"	3"	1/2"	500 lb
66101	5/16"	1-1/2"	2-1/4"	3-1/2"	5/8"	800 lb
66102	3/8"	1-1/2"	2-1/2"	4"	3/4"	1,200 lb
66103	1/2"	1-1/2"	3-1/4"	5-1/4"	1"	2,200 lb
66104	5/8"	1-3/4"	4"	6-1/2"	1-1/4"	3,500 lb
66105	1/4"	2-1/2"	4"	5"	1/2"	500 lb
66106	5/16"	2-1/2"	4-1/4"	5-1/2"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

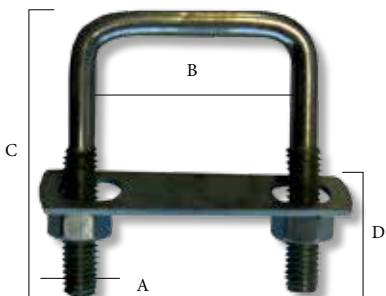
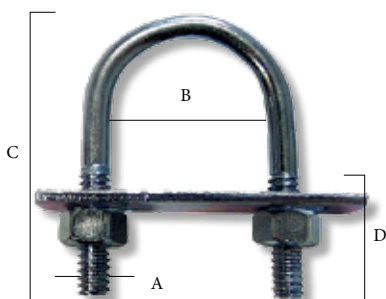


Eyebolts

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





U-BOLTS

U-Bolts - Round

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

Supplied with 3/32" mounting plate & nuts. Clear zinc plated.
5 pieces per package.

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"

RINGS

Mounting Rings

Supplied with 3/32" mounting plate & nuts. Clear zinc plated.
10 pieces per package.

PART#	DESCRIPTION	PIN DI-AMETER	THREAD LENGTH	RING I.D.	ADDITIONAL INFORMATION
65172	2-1/2" Eyebolt	3/8"	2-3/8"	2"	Mounting holes are 1/4" Diameter
65177	4-1/2" Lagscrew Eyebolt	5/16"	1-3/4"	2"	Mounting holes are 1/4" Diameter
65178	2" x 1-9/16" Mounting Plate			2"	Mounting holes are 1/4" Diameter

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

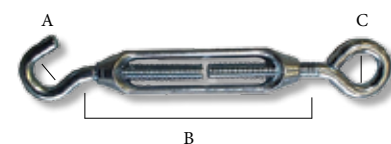
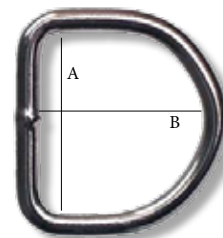
PART#	WIRE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	W.L.L.	PACKAGE QUANTITY
66410	1/4"	1"	1-1/2"	325 lb	10
66411	5/16"	1-1/8"	1-3/4"	500 lb	10
66412	7/32"	1-9/16"	2"	600 lb	10

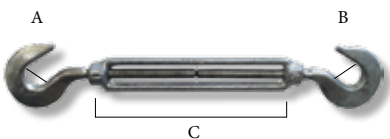
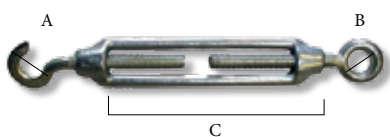
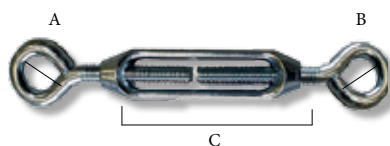
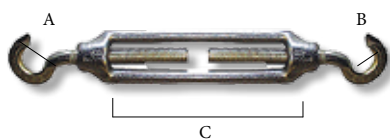
TURNBUCKLES (WIRE FORMED ENDS)

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

Hook & Eye

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





Hook & Hook

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

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

TURNBUCKLES (MALLEABLE IRON)

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

Hook & Eye

PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66210	6mm	5-1/2"	8-1/4"	3/8"	2-3/4"	220 lb	660 lb
66211	8mm	6-7/8"	10-13/32"	7/16"	3-17/32"	440 lb	1,320 lb
66212	10mm	7-1/2"	11-7/16"	15/32"	3-15/16"	660 lb	1,980 lb
66213	12mm	10-1/4"	15-11/16"	19/32"	5-7/16"	1,210 lb	3,630 lb
66214	16mm	12-13/16"	20-3/32"	3/4"	7-9/32"	2,200 lb	6,600 lb
66215	20mm	15-3/4"	24"	1"	8-1/4"	3,300 lb	9,900 lb

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.

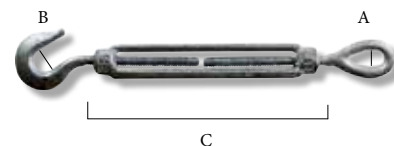
Hook & Hook

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

Hook & Eye

Meets Spec. FF-T791b, Type 1, Form 1, Class 6.

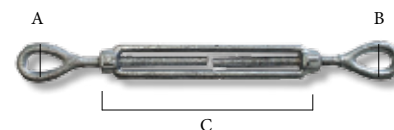
PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A	B	C	W.L.L.	U.L.L.
66820	1/4"	8"	12"	11/32"	7/16"	3-3/4"	400 lb	2,000 lb
66821	5/16"	9-1/2"	13-1/2"	7/16"	1/2"	4-1/2"	700 lb	3,500 lb
66822	3/8"	12"	18"	17/32"	9/16"	6"	1,000 lb	5,000 lb
66823	1/2"	13-5/8"	20-5/8"	23/32"	11/16"	6"	1,500 lb	7,500 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

Meets Spec. FF-T791b, Type 1, Form 1, Class 4.

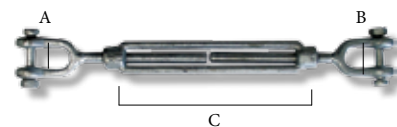
PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66830	1/4"	8-1/4"	12-1/4"	11/32"	4"	500 lb	2,500 lb
66831	5/16"	9-5/8"	14-1/8"	7/16"	4-1/2"	800 lb	4,000 lb
66832	3/8"	12-1/8"	18-1/8"	17/32"	6"	1,200 lb	6,000 lb
66833	1/2"	14"	21"	23/32"	6"	2,200 lb	11,000 lb

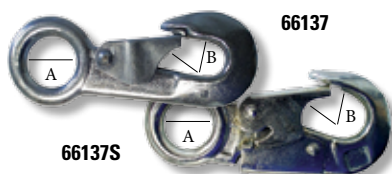


Jaw & Jaw

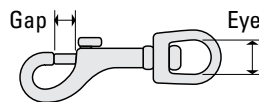
Meets Spec. FF-T791b, Type 1, Form 1, Class 6.

PART#	THREAD	OVERALL LENGTH CLOSED	OVERALL LENGTH OPEN	A, B	C	W.L.L.	U.L.L.
66840	1/4"	8"	12"	7/16"	4"	500 lb	2,500 lb
66841	5/16"	9-1/2"	14"	1/2"	4-1/2"	800 lb	4,000 lb
66842	3/8"	11-3/8"	17-3/8"	17/32"	6"	1,200 lb	6,000 lb
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





SNAPS



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

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

Bull Snap

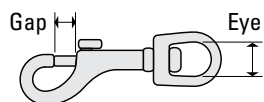
Zinc die cast and nickel plated.

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	11/16"	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

Panic Snap

Zinc plated.

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

Trigger Snaps

Zinc plated.

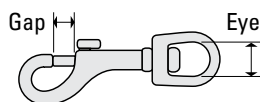
PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66339	5/8"	1/2"	2-1/2"	5
66344	3/4"	1/2"	2-3/4"	5
66348	3/4"	3/8"	2-1/2"	5
66349	3/4"	1	3-1/2"	5
66350	3/4"	3/4"	3-7/8"	5

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

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

Swivel Loop Snaps

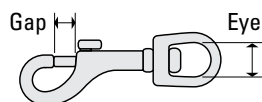
Nickel Plated.

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

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.

PART#	EYE INSIDE DIAMETER	SNAP EYE	OVERALL LENGTH	PACKAGE QUANTITY
66367	1/2"	--	2"	5
66368	5/8"	--	2-7/16"	5
66369	3/4"	--	2-5/8"	5
66370	1"	--	3"	5
66371	3/8"	--	1-3/4"	5
66372	3/8"	11/16"	2-3/8"	5

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"	9/16"	5-1/16"	5

Swivel Security Snaps

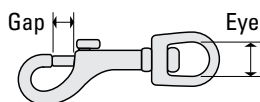
PART#	EYE INSIDE DIAMETER	GAP	OVERALL LENGTH	PACKAGE QUANTITY
66394	1"	1"	4-1/8"	5

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



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



Aluminium Snap Links

For decorative and light applications. Multicoloured.

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

WEATHER CAPS AND MUFFLER CLAMPS

Weather Caps

Clear zinc plated steel. Single bolt installation, silencer block, heat resistant rivets and bushings.

PART#	FITS PIPE DIAMETER	PART#	FITS PIPE DIAMETER
11200	1-1/2" – 1-11/16"	11206	3" – 3-3/16"
11201	1-3/4" – 1-15/16"	11207	3-1/2" – 3-11/16"
11202	2" – 2-3/16"	11208	4" – 4-3/16"
11203	2-1/4" – 2-7/16"	11209	4-1/2" – 4-11/16"
11204	2-1/2" – 2-11/16"	11210	5" – 5-1/4"
11205	2-3/4" – 2-15/16"		

Universal Tail Pipe Hanger

PART#	DESCRIPTION
11220	Open end design for use with assembled clamps.

Muffler Clamps

Clear zinc plated. 3/8" (8.3 mm) wire diameter.

PART#	SIZE	PART#	SIZE	PART#	SIZE
11225	1-1/2"	11231	2-1/4"	11236	4"
11226	1-5/8"	11232	2-1/2"	11237	4-1/2"
11227	1-3/4"	11233	2-3/4"	11238	5"
11228	1-7/8"	11234	3"	11239	5-1/2"
11229	2"	11235	3-1/2"	11240	6"
11230	2-1/8"				

STROKE CONTROL HARDWARE

For air & hydraulic cylinders. Cast aluminum alloy.

Stroke Control Segment Kits

PART#	FITS SHAFT DIAMETER	SPACER WIDTH (1 EACH)	PACKAGING
55000	1-1/8" to 1-1/4"	3/4", 1", 1-1/4" & 1-1/2"	Clamshell
55001	1-3/8" to 1-1/2"	3/4", 1", 1-1/4" & 1-1/2"	Clamshell
55002	2"	1", 1-1/2", 2", 4-1/4"	Polybag

Stroke Control Segments

PART#	FITS SHAFT DIAMETER	WIDTH	PART#	FITS SHAFT DIAMETER	WIDTH
55003	1-1/8" – 1-1/4"	3/4"	55009	1-3/8" – 1-1/2"	1-1/4"
55004	1-1/8" – 1-1/4"	1"	55010	1-3/8" – 1-1/2"	1-1/2"
55005	1-1/8" – 1-1/4"	1-1/4"	55011	2"	1"
55006	1-1/8" – 1-1/4"	1-1/2"	55012	2"	1-1/2"
55007	1-3/8" – 1-1/2"	3/4"	55013	2"	2"
55008	1-3/8" – 1-1/2"	1"	55014	2"	4-1/4"





Stroke Control Stopper Blocks

PART#	SIZE	FITS SHAFT DIAMETER
56006	1/2"	1" to 1-1/2"
56010	3/8"	1-1/2" to 2"



Cylinder Pins

For air & hydraulic cylinders. Supplied with clips.
10-35 stress proof steel with #66311 Hair Pin

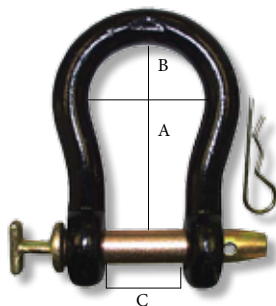
PART#	PIN DIAMETER	USABLE LENGTH
55030	1"	2-3/4"
55031	1"	3"



Tractor Drawbar Hook

Forged steel. Black enamel painted body & zinc plated T-Pin.
Supplied with #66305 Hair Pin.

PART#	CHAIN	A	PIN DIAMETER	PIN LENGTH	OVERALL LENGTH	W.L.L.
66040	5/16"–1/2"	1-5/8"	3/4"	3"	7"	9,200 lb



Straight Clevises

Forged steel. Black enamel painted body & zinc plated T-Pin.
Supplied with Hair Pin.

PART#	BODY DIAMETER	PIN DIAMETER	A	B	C	W.L.L.	U.L.L.
66029	5/8"	1/2"	3-1/4"	2"	7/8"	6,000 lb	18,000 lb
66030	3/4"	5/8"	3-3/4"	2-1/4"	1-5/16"	12,000 lb	36,000 lb
66031	7/8"	3/4"	4-1/4"	2-3/4"	1-5/16"	16,000 lb	48,000 lb
66032	15/16"	7/8"	4-5/8"	3-1/8"	1-7/16"	20,000 lb	60,000 lb
66033	1"	1"	5-5/16"	3-5/16"	2-1/8"	25,000 lb	75,000 lb



Steering Wheel Spinners

Vinyl coated aluminum knob with chrome plated base.
Ball bearing insert for long life.
Safe and easy for use with most off-road vehicles.
Not for highway use.

PART#	COLOR	QUANTITY
28327	Red	12 pieces per display box
28329	Black	12 pieces per display box

PINS

Industrial Safety Pins

Oil tempered steel. Clear zinc plated finish.

PART#	WIRE	A	B	PACKAGE QUANTITY
66470	1/8"	3-1/8"	1-1/16"	10
66472	3/16"	3-3/8"	1-1/2"	5
66474	1/4"	5-1/4"	1-3/4"	5
66489	3/32"	1-11/16"	5/8"	10
66490	1/8"	2-13/16"	13/16"	10
66491	3/16"	3"	1-1/2"	5
66492	5/32"	3-3/4"	1-1/8"	5
66493	15/64"	5"	1-5/8"	5
66494	15/64"	5"	2-1/4"	5

Wire Ring Quick Release Pins

Spring-loaded ball locks pin into place.

C-1144 zinc plated carbon steel pin (detent pin).

PART#	A	B	PACKAGE QUANTITY	PART#	A	B	PACKAGE QUANTITY
66499	1/4"	1"	5	66515	3/8"	1-1/2"	5
66500	1/4"	1-1/2"	5	66516	3/8"	2"	5
66501	1/4"	2"	5	66518	3/8"	2-1/2"	5
66503	1/4"	2-1/2"	5	66519	3/8"	3"	5
66505	1/4"	3"	5	66520	3/8"	3-1/2"	5
66507	5/16"	1"	5	66524	1/2"	1"	5
66508	5/16"	1-1/2"	5	66525	1/2"	1-1/2"	5
66509	5/16"	2"	5	66526	1/2"	2"	5
66510	5/16"	2-1/2"	5	66527	1/2"	2-1/2"	5
66511	5/16"	3"	5	66528	1/2"	3"	5
66514	3/8"	1"	5	66530	1/2"	3-1/2"	5

Quick Release Pins

Red vinyl coated, solid handle.

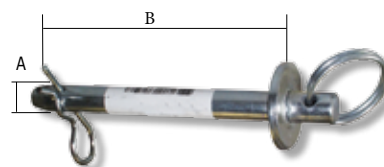
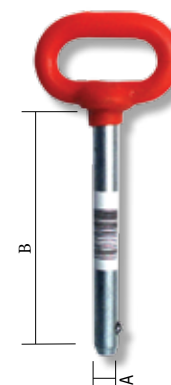
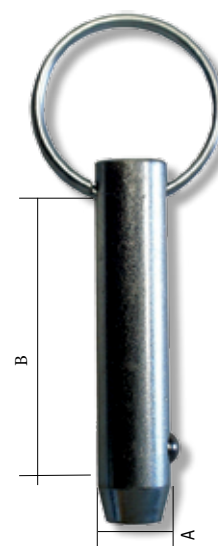
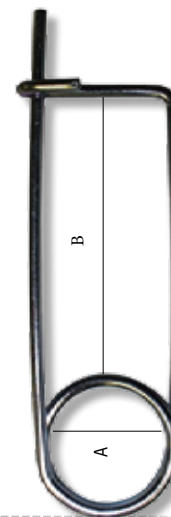
PART#	A	B	PART#	A	B
66760	1/2"	3"	66767	5/8"	5"
66762	5/8"	1-1/2"	66768	3/4"	1-1/2"
66763	5/8"	2"	66769	3/4"	2"
66764	5/8"	2-1/2"	66770	3/4"	2-1/2"
66765	5/8"	3"	66771	3/4"	3"
66766	5/8"	4"	66772	3/4"	4"
			66773	3/4"	5"

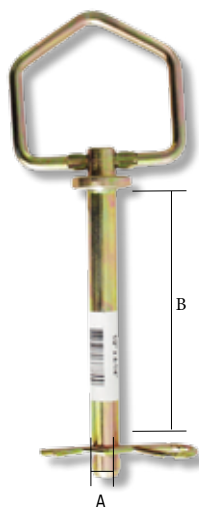
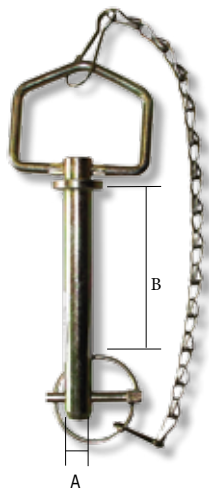
Hitch Pin - Round Ring Grip

C-1144 high strength stress-proof steel. Clear zinc plated finish.

Supplied with hair pin clip.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	HAIR PIN CLIP
66250	3/8"	3"	66301





Fold Over Handle With Chain

C-1045 stress-proof steel. Heat-treated. Rockwell hardness 25-34 (HRC) Yellow zinc dichromate plated finish. Supplied with 66451 linch pin & tenso chain.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	M.B.L. (MIN. BREAK LOAD)
66280	1/2"	4-1/4"	20,100 lb
66281	5/8"	4-1/4"	28,400 lb
66282	5/8"	6-1/4"	28,400 lb
66283	3/4"	4-1/4"	40,000 lb
66284	3/4"	6-1/4"	40,000 lb
66285	7/8"	6-1/4"	58,364 lb
66286	1"	6-1/4"	81,170 lb
66287	1-1/8"	6-1/4"	97,701 lb
66288	1-1/4"	6-1/4"	124,198 lb

Fold Over Handle

C-1045 stress-proof steel. Heat-treated. Rockwell Hardness 25-34 (HRC) Yellow zinc dichromate plated finish. Supplied with hair pin.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	M.B.L. (MIN. BREAK LOAD)	HAIR PIN CLIP #
66780	1/2"	4-1/4"	20,100 lb	66303
66781	5/8"	4-1/4"	28,400 lb	66305
66782	5/8"	6-1/4"	28,400 lb	66305
66783	3/4"	4-1/4"	40,000 lb	66302
66784	3/4"	6-1/4"	40,000 lb	66302
66785	7/8"	6-1/4"	58,364 lb	66302
66786	1"	6-1/4"	81,170 lb	66304
66787	1-1/8"	6-1/4"	97,701 lb	66304
66788	1-1/4"	6-1/4"	124,198 lb	66304

HITCH PINS

E-Grip

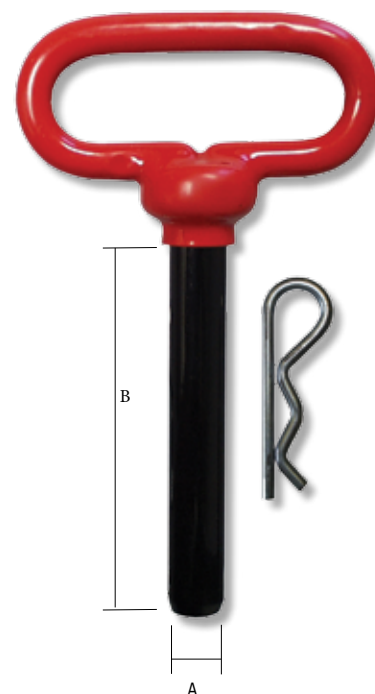
One piece solid hot forged alloy steel pin and handle. Wider ergonomic handle. Clip pin is included. Bright orange powder coat finish.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	HAIR PIN CLIP #
66872	1/2"	3-1/2"	66303
66873	5/8"	3-3/4"	66305
66874	3/4"	4"	66302
66875	5/8"	6"	66305
66876	3/4"	6-1/4"	66302
66877	7/8"	6-1/2"	66304
66878	1"	6-3/4"	66304

High Strength Hitch Pins - Grade 5

C-1144 stress-proof steel. Double heat-treated Grade 5 specification. Rockwell Hardness 29-34 (HRC). Black powder-coated enamel pin. Red vinyl dipped handle. Supplied with hair pin clip.

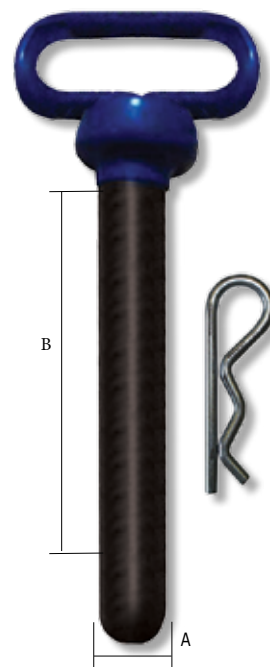
PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	MIN. BREAK LOAD	HAIR PIN CLIP #
66251	1/2"	3-5/8"	23,750 lb	66303
66252	5/8"	4"	41,700 lb	66305
66253	3/4"	4-1/2"	57,850 lb	66302
66254	7/8"	4-1/2"	64,680 lb	66304
66255	1"	4-1/2"	88,500 lb	66304
66256	5/8"	5-1/2"	32,940 lb	66305
66257	3/4"	6-1/2"	36,890 lb	66302
66258	7/8"	6-1/2"	71,350 lb	66302
66259	1"	7-1/2"	99,230 lb	66304
66260	1-1/8"	8-1/2"	119,440 lb	66304
66261	1-1/4"	8-1/2"	151,832 lb	66304
66263	1-1/2"	8-1/2"	191,405 lb	66304
66886	1"	12"		66304
66887	1-1/8"	12"		66304
66888	1-1/4"	12"		66304
66889	1-1/2"	13"		66304
66890	1-3/4"	13"		66455

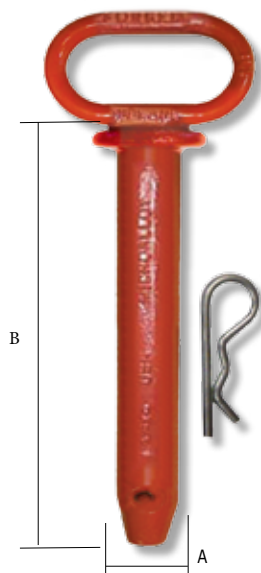


High Strength Hitch Pins - Grade 8

Grade 8 forged blue head hitch pins. Chromium and molybdenum alloy steel and heat treated to Grade 8 specification. Superior black powder coated finish on pin. Blue vinyl coating on head and handle. Hair pin clip is included.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	HAIR PIN CLIP #
66860	1/2"	3-5/8"	66303
66861	5/8"	4"	66305
66862	5/8"	6"	66305
66863	3/4"	4"	66302
66864	3/4"	6-1/2"	66302
66865	7/8"	4-1/4"	66304
66866	7/8"	6-1/2"	66304
66867	1"	4-3/4"	66304
66868	1"	7"	66304
66869	1-1/8"	7"	66304
66870	1-1/4"	7"	66304
66871	1-1/2"	8-1/2"	66304





Forged Steel Hitch Pins

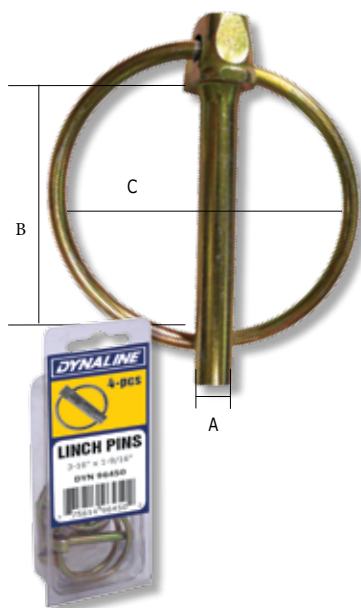
Hot forged, heat treated Grade 8, SAE-1541H steel. Solid handle. Bright orange powder coat finish. Supplied with clip.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	HAIR PIN CLIP #
66882	1-1/8"	7"	66304
66883	1-1/4"	7"	66304
66884	1-3/8"	7"	66304
66885	1-1/2"	8"	66304
66886	1"	12"	66304
66887	1-1/8"	12"	66304
66888	1-1/4"	12"	66304
66889	1-1/2"	13"	66304
66890	1-3/4"	13"	66455

ASSORTED PINS

Linch Pins - 4 Per Pack

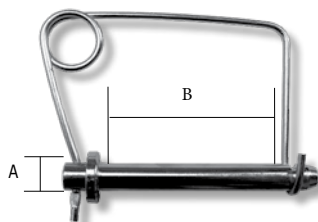
Forged C-1010 steel pin. Rockwell hardness RA 50-60. Yellow zinc dichromate plated finish.



PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	RING DIAMETER (C)	PACKAGE QUANTITY	DYNAPAK
66450	3/16"	1-1/8"	1-3/8"	10	96450
66451	1/4"	1-1/2"	1-11/16"	10	96451
66452	5/16"	1-7/16"	1-3/4"	10	96452
66453	3/8"	1-7/16"	1-11/16"	10	96453
66454	7/16"	1-9/16"	1-5/8"	10	96454
66455	7/16"	1-7/8"	2-1/8"	10	96455

Spring Lock Pins

C-1144 stress-proof steel. Clear zinc plated finish.



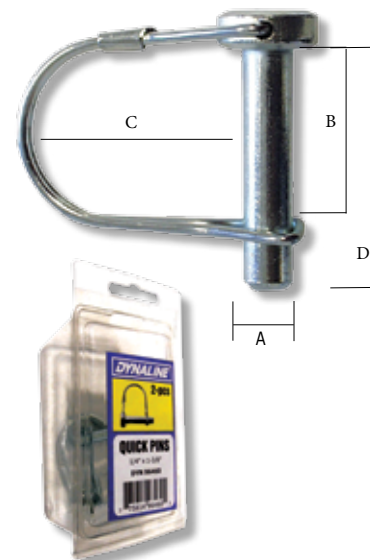
PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	PART#	PIN DIAMETER (A)	USABLE LENGTH (B)
66244	1/2"	4-1/4"	66247	3/4"	6-1/4"
66245	5/8"	4-1/4"	66248	7/8"	6-1/4"
66246	3/4"	4-1/4"	66249	1"	6-1/4"

QUICK PINS

C-10105 Grade 5 steel. Clear zinc plated finish.

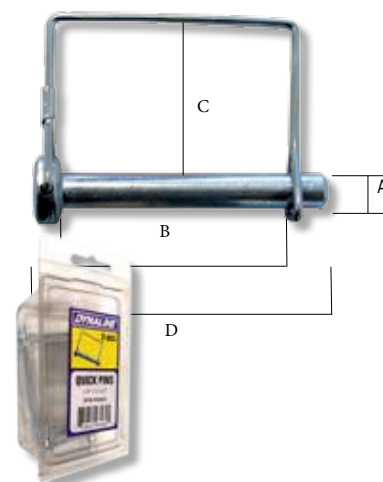
Round Quick Pins

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	C	D	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
66460	1/4"	1-3/8"	1-5/8"	1-5/8"	5	96460	2
66461	1/4"	1-3/4"	1-5/8"	2"	5	96461	2
66463	5/16"	1-3/8"	1-5/8"	1-5/8"	5	96463	2
66464	5/16"	1-3/4"	1-5/8"	2"	5	96464	2
66466	3/8"	1-3/8"	1-5/8"	1-5/8"	5	96466	2
66469	5/8"	3-1/8"	2"	3-1/2"	5	96469	1



Square Quick Pins

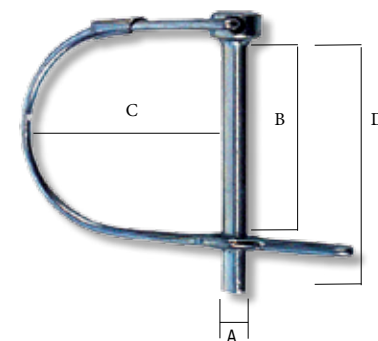
PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	C	D	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
66462	1/4"	2-1/2"	1-5/8"	2-3/4"	5	96462	2
66465	5/16"	2-1/2"	1-5/8"	2-3/4"	5	96465	2
66467	3/8"	2-1/4"	1-5/8"	2-1/2"	5	96467	2
66468	3/8"	2-1/2"	1-5/8"	2-3/4"	5	96468	2



Round Tab Type Quick Pins

Easier to use than standard wire lock pins. C-1010 steel. Clear zinc plated finish.

PART#	PIN DIAMETER (A)	USABLE LENGTH (B)	C	D	PACKAGE QUANTITY
66531	1/4"	1-5/8"	1-5/8"	2-1/8"	5
66532	1/4"	2"	1-5/8"	2-3/16"	5
66533	1/4"	2-3/4"	1-5/8"	3-1/8"	5
66534	5/16"	1-5/8"	1-5/8"	2-1/8"	5
66535	5/16"	2"	1-5/8"	2-3/16"	5
66536	5/16"	2-3/4"	1-5/8"	3-1/8"	5
66537	3/8"	1-5/8"	1-5/8"	2-1/2"	5
66538	3/8"	2-1/2"	1-5/8"	2-11/16"	5
66539	3/8"	2-3/4"	1-5/8"	3-1/8"	5



HAIR PIN CLIPS

Internal

Oil tempered MB spring wire. Clear zinc plated finish.

PART#	IND.#	WIRE DIAMETER	DRILL HOLE SIZE	MIN. SHAFT DIAMETER	MAX. SHAFT DIAMETER	OVERALL LENGTH	INSIDE EYE DIAMETER	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
66300	22	1/16"	5/64"	1/4"	1/2"	1-3/8"	1/4"	25	96300	10
66301	3	3/32"	7/64"	1/4"	1/2"	1-11/16"	7/16"	25	96301	10
66302	6	3/16"	3/16"	5/8"	1"	3-1/4"	7/8"	25	96302	4
66303	7	3/32"	7/64"	3/8"	5/8"	2-5/16"	5/8"	25	96303	10
66304	8	3/16"	3/16"	7/8"	1-1/4"	3-3/4"	7/8"	25	96304	5
66305	9	5/32"	5/32"	3/4"	1-1/8"	3-5/16"	3/4"	25	96305	5
66306	11	1/8"	9/64"	7/16"	3/4"	2-5/8"	9/16"	25	96306	5
66307	16	1/8"	9/64"	1/2"	3/4"	2"	1/2"	25	96307	10
66308	19	1/4"	17/64"	3/4"	1"	4-1/4"	3/4"	10	96308	3
66309	1	5/32"	5/32"	1/2"x5/8"	5/8"x1"	3"	1/2"	25	96300	10
66310	2	1/8"	9/64"	3/4"	1-1/8"	3-1/4"	1"	25	96301	10
66313	4	11/64"	3/16"	1/2"x3/4"	5/8"x1"	3"	5/8"	25	96302	4
66317	17	3/32"	3/32"	3/8"	1/2"	1-9/16"	5/16"	25	96303	10
66318	18	1/16"	5/64"	3/8"	1/2"	1-9/16"	5/16"	25	96304	5
66320	20	5/16"	21/64"	7/8"	1"	4"	7/8"	10	96305	5
66325	25	5/64"	5/64"	5/16"	3/8"	1-3/32"	9/64"	25	96306	5
66326	10	5/32"	5/32"	5/8"	1"	2-15/16"	3/4"	25	96307	10
66328	14	3/32"	7/64"	1/2"	3/4"	2-1/2"	5/8"	25	96308	3



External

Oil tempered MB spring wire. Clear zinc plated finish.

PART#	IND.#	WIRE DIAMETER	OVERALL LENGTH	INSIDE EYE DIAMETER	PACKAGE QUANTITY	DYNAPAK	PACKAGE QUANTITY
66311	7XX	7/64"	2-1/16"	7/16"	25	96311	5
66312	10X	11/64"	2-5/8"	3/4"	25	96312	4

BUSHINGS

Bronze Bushings

S.A.E. 841 Bronze material. Oil impregnated.

PART#	THICKNESS	INNER DIAM-ETER	OUTER DIAM-ETER	LENGTH	PART#	THICKNESS	INNER DIAM-ETER	OUTER DIAM-ETER	LENGTH
55300	1/32"	1/4"	5/16"	3/4"	55326	1/16"	7/8"	1"	1-1/4"
55301	1/16"	1/4"	3/8"	1"	55327	1/8"	7/8"	1-1/8"	1-1/4"
55302	3/32"	1/4"	7/16"	1"	55328	3/16"	7/8"	1-1/4"	1-1/4"
55303	1/8"	1/4"	1/2"	1"	55329	5/32"	15/16"	1-1/4"	1-1/4"
55304	1/32"	5/16"	3/8"	1"	55330	1/8"	1"	1-1/4"	1-1/2"
55305	1/16"	5/16"	7/16"	1"	55331	3/16"	1"	1-3/8"	1-1/2"
55306	1/16"	3/8"	1/2"	1"	55332	1/4"	1"	1-1/2"	1-1/2"
55307	1/8"	3/8"	5/8"	1"	55333	1/8"	1-1/16"	1-5/16"	1-1/2"
55308	3/16"	3/8"	3/4"	1"	55334	1/16"	1-1/8"	1-1/4"	1-1/2"
55309	1/16"	7/16"	9/16"	1"	55335	1/8"	1-1/8"	1-3/8"	1-1/2"
55310	3/32"	7/16"	5/8"	1"	55336	3/16"	1-1/8"	1-1/2"	1-1/2"
55311	1/16"	1/2"	5/8"	1"	55337	1/8"	1-3/16"	1-7/16"	1-1/2"
55312	3/32"	1/2"	11/16"	1"	55338	5/32"	1-3/16"	1-1/2"	1-1/2"
55313	1/8"	1/2"	3/4"	1"	55339	1/8"	1-1/4"	1-1/2"	1-1/2"
55314	5/32"	1/2"	13/16"	1"	55340	3/16"	1-1/4"	1-5/8"	1-1/2"
55315	3/16"	1/2"	7/8"	1"	55341	1/8"	1-3/8"	1-5/8"	1-1/2"
55316	3/32"	9/16"	3/4"	1"	55342	3/16"	1-3/8"	1-3/4"	1-1/2"
55317	1/8"	9/16"	13/16"	1"	55343	5/32"	1-7/16"	1-3/4"	1-1/2"
55318	1/16"	5/8"	3/4"	1-1/4"	55344	1/8"	1-1/2"	1-3/4"	1-1/2"
55319	3/32"	5/8"	13/16"	1-1/4"	55345	3/16"	1-1/2"	1-7/8"	1-1/2"
55320	1/8"	5/8"	7/8"	1-1/4"	55346	3/16"	1-5/8"	2"	1-1/2"
55321	3/16"	5/8"	1"	1-1/4"	55347	1/8"	1-3/4"	2"	1-1/2"
55322	1/16"	3/4"	7/8"	1-1/4"	55348	3/16"	1-3/4"	2-1/8"	1-1/2"
55323	3/32"	3/4"	15/16"	1-1/4"	55349	3/16"	2"	2-1/4"	1-1/2"
55324	1/8"	3/4"	1"	1-1/4"	55350	3/16"	2"	2-3/8"	1-1/2"
55325	3/32"	13/16"	1"	1-1/4"					





Lift Arm Bushings

Carbon steel. Yellow zinc dichromate plated finish.

PART#	REFERENCE#	CATEGORY	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH
66608	0351	1 to 2	7/8"	1-1/8"	1-3/4"
66610	3009	2 to 3	1-1/8"	1-7/16"	1-3/4"
66612	3010	2 to 3	1-1/8"	1-7/16"	2-1/2"

Top Link Bushings

Carbon steel. Yellow zinc dichromate plated finish.

PART#	REFERENCE#	CATEGORY	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH
66602	0353	1 to 2	3/4"	1"	2"
66604	3008	2 to 3	1"	1-1/4"	2"

ASSORTMENTS

Top Links

Carbon steel, forged & welded. With grease fitting, nut welded. Yellow zinc dichromate plated finish. UNC Coarse Thread.

PART#	REFERENCE#	CATEGORY	HOLE DIAMETER	THREAD DIAMETER	ADJUSTMENT
66619	480	0	5/8"	3/4"	11" – 16"
66620	331	1	3/4"	1-1/8"	20" – 29"
66621	338	1 & 2	3/4" & 1"	1-1/8"	21" – 33"
66622	337	2	1"	1-1/8"	25" – 35"
66623	339	1 & 2	3/4" & 1"	1-1/8"	24" – 35"
66624	336	2	1"	1-1/8"	21" – 31"
66619EM	--	0	5/8"	3/4"	11" – 11"

Top Link Repair Ends

Carbon steel, forged & welded. Yellow zinc dichromate plated finish. UNC Coarse Thread.

PART#	REFERENCE#	CATEGORY	HOLE DIAMETER	THREAD DIAMETER	THREAD LENGTH
66625	342	1	3/4"	1-1/8" LH	6"
66626	343	1	3/4"	1-1/8" RH	6"
66627	346	2	1"	1-1/8" LH	6-1/2"

Ratchet Jack

Heavy duty. Replace hydraulic cylinders or old screw jacks in those applications where infrequent adjustment is needed. Clip pins and handle included.

PART#	A	B	C	THREAD DIAMETER	LENGTH CLOSED	LENGTH EXTENDED
66642	1-1/2"	1"	2-3/4"	1-1/4"	20"	28"

Top Link Pins

Carbon steel, forged & welded. Yellow zinc dichromate plated finish. UNC Coarse Thread.

PART#	REFERENCE#	CATEGORY	PIN DIAMETER	USABLE LENGTH	OVERALL LENGTH
66560	73	1	3/4"	2-3/4"	4-1/2"
66561	74	1	3/4"	3-7/8"	5-1/2"
66562	76	2	1"	3-9/16"	5-1/4"
66563	7715	1	3/4"	4-3/4"	6-3/8"
66565	3011	2	1"	4-5/16"	6"
66566	7711	3	1/4"	4-5/8"	6-1/2"
66567	7706	0	5/8"	3"	4-7/16"



Lift Arm Pins

Carbon steel. Yellow zinc dichromate plated finish.

PART#	REFERENCE#	CATEGORY	PIN DIAMETER	THREAD DIAMETER	USABLE LENGTH	OVERALL LENGTH
66580	200	1	7/8"	7/8"	2-1/4"	5-1/2"
66581	3000	1	7/8"	7/8"	Adjustable	6-1/4"
66582	3004	1	7/8"	7/8"	2-1/4"	6-1/2"
66583	3001	1 to 2	1-1/8"	7/8"	Adjustable	5-3/16"
66584	7243	2 to 3	1-7/16"	1-1/8" NF*	1-7/8"	5-3/4"
66585	202	1 to 2	1-1/8"	7/8"	1-3/4"	5-1/4"
66586	7249	1 to 2	1-1/16"	1" NF*	1-1/8"	8"
66587	3022	2 to 1	7/8"	1-1/8"	1-3/4"	5-3/4"
66588	3006	2	1-1/8"	1-1/8"	1-3/4"	6-1/4"
66589	3002	2	1-1/8"	1-1/8"	Adjustable	6-1/4"
66590	211	1	7/8"	7/8"	Adjustable	5-5/16"
66591	7220	0	5/8"	5/8" NF*	Adjustable	3-7/8"
66592	7246	1 to 2	1-1/8"	7/8" NF*	2-1/4"	6-5/16"

*NF - National Fine



Manual Holders

Molded from high density polypropylene, weather and impact resistant. Protects documents from damage. Mounts onto machines for easy access. O-Ring sealed. Screw top lid.

PART#	DESCRIPTION
17720	2" diameter x 12-1/2" long
17730	3-1/4" diameter x 12-1/2" long
17731	Prevents lid loss on manual holders. Simply drill 5/16" hole in center of lid to attach one end of tether. The other end of tether snaps into place in center hole.



