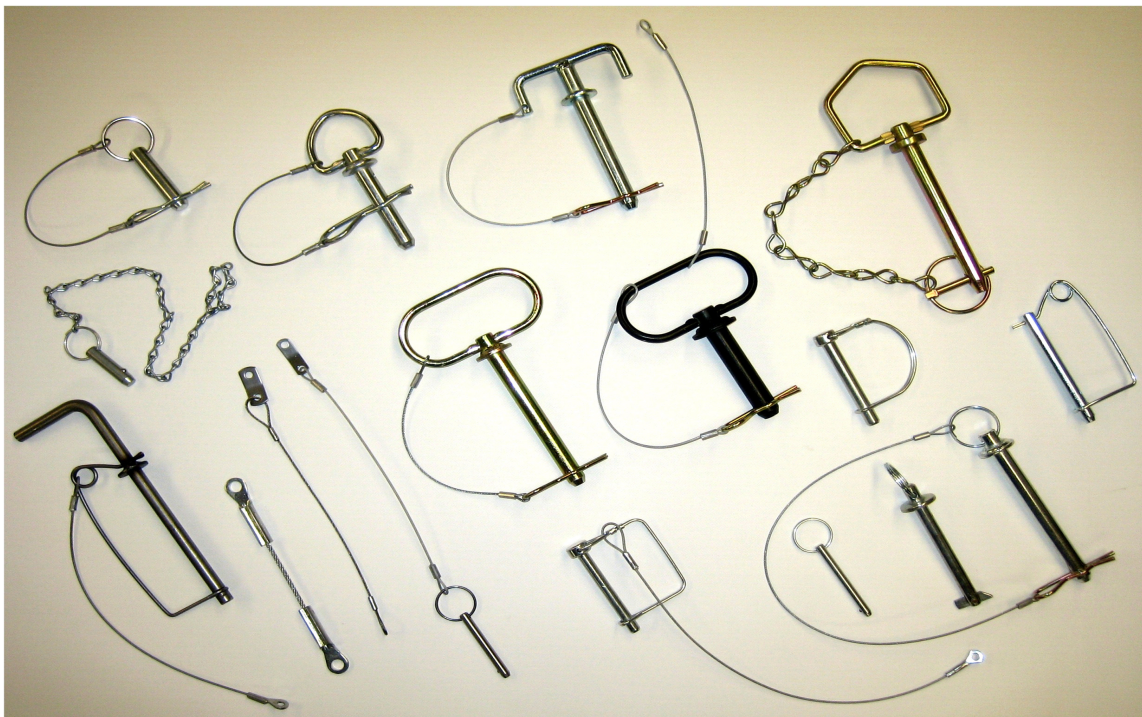




SPECIALIZING IN CUSTOM MADE PINS AND LANYARD WORK!



DBA Douty Manufacturing Inc.
805 8th Avenue N.E. * PO Box 366
Pipestone, MN 56164
sales@wilsonmfgco.com

CATALOG NO: April 1, 2012

MANUFACTURER OF THE ORIGINAL WILSON SAFETY HITCH PIN

PRECISION MANUFACTURING

Wilson Manufacturing Company would like to take this opportunity to introduce ourselves to you. Being a complete Manufacturing and Tool & Die Company with 60 years of experience in the metal working industry, we have the capability to produce parts from beginning to end (including heat treating and zinc plating). We do small, medium, and large production runs to meet the demands within our industry. Specializing in a wide variety of material, such as carbon, stainless steel, aluminum, brass and plastics.

We also do secondary operations, such as drillings, tapping, grinding, deburring, and assemblies. Processes we aren't capable of doing in house, can easily be handled by the large variety of certified vendors that work with us.

Wilson Manufacturing Company strives to meet the needs of our customers, no matter how great or small. Priding ourselves in meeting customers' important deadlines.

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Robert D Douty
President



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CONTENT GUIDE

HITCH PINS

Large Handle	1
Forged	1
Toggle.....	2
Large Ring (Red Handle)	3
Tension Lock	3
Bent (Steel & Stainless Steel)	3
Safety Spring Power Take Off.....	4
Safety Spring	4
Snapper	4
Hydraulic Cylinder	5
Wire Lock.....	5
Wire Lock - Tab.....	5
Wire Lock (Stainless Steel)	6
Wire Lock - Tab (Stainless Steel).....	6
Lanyard	6
Detent (Steel & Stainless Steel)	7

DISPLAYS

Pegboard	8
Countertop.....	9

ASSORTMENTS

Countertops	9
Kits	10

BLISTERS

Battery Bolts	11
Clevis Pins	11
Cotter Pins	11
External Hitch Pin Clips	11
Hitch Pin Clips.....	12
Grease Fittings.....	12
Key Stock	12
O-Rings	12
Rivets	13
Spring Lock Pins	13
Terminals	13

BULK

External Rings	14
E-Rings	14
Internal Rings	14
Cotter Pins.....	15-16
Hitch Pin Clips	16
Hitch Pin Clips (Double Loop)	17
Bow Tie Clips.....	17
Circle Cotter	18
Lynch Pins	18
Twist Pins.....	18
Quick Repair	18
Machinery Bushings	19
Ring Cotter	20
Clevis Pins.....	20
Universal Pins.....	21
Cotterless Clevis Pins.....	21
Spring Lock Pins.....	22-23
Set Screws	23
Set Collars	24
Safety Pins	24
Terminals	24
Woodruff Keys.....	25
Rivets.....	25
Key Stock.....	25
O-Rings	26
Grease Fittings	26
Linkage Bushings	26
Tarp Straps	26
Grip Clips.....	27
Positive Lock Pins	27

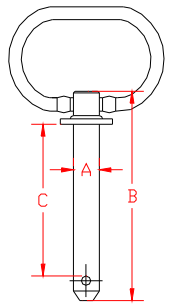


LARGE HANDLE HITCH PINS

The Large Handle Hitch Pin has many uses. It has a large handle that swivels, with a heavy duty washer welded onto the pin. A hole is drilled in the lower end for a safety clip or cotter pin. Hitch pin clip included. C1144 material used. Zinc Plated.



CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	HANDLE DIA	WASHER GAGE	WASHER DIA	HOLE DRILLED	WGT/CTN	UPC CODE	PCS/CTN
LH124	1/2	4-41/64	3-1/2	1/4	12	1	5/32	5	99015	12
LH586	5/8	5-45/64	4-1/2	1/4	12	1-1/4	5/32	8	99016	12
LH346	3/4	5-47/64	4-1/2	1/4	10	1-1/2	3/16	10	99017	12
LH786	7/8	5-13/16	4-1/2	1/4	9	1-3/4	3/16	14	99018	12
LH588	5/8	7-13/64	6	1/4	12	1-1/4	5/32	9	99019	12
LH348	3/4	7-15/64	6	1/4	10	1-1/2	3/16	13	99020	12
LH788	7/8	7-5/16	6	1/4	9	1-3/4	3/16	17	99021	12
LH18	1	7-35/64	6	1/4	8	2	3/16	23	99022	12
LH1189	1-1/8	8-47/64	7	5/16	4	2-1/4	F	17	99023	6
LH1149	1-1/4	8-47/64	7	5/16	4	2-1/2	F	20	99024	6
LH11210	1-1/2	9-47/64	8	5/16	4	2-3/4	F	32	99025	6
LH210	2	9-47/64	8	5/16	4	3	5/16	30	99014	3

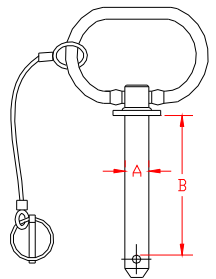


LARGE HANDLE HITCH PINS W/LANY & LP OR WL

The Large Handle Hitch Pin has many uses. It has a large handle that swivels, with a heavy duty washer welded onto the pin. A hole is drilled in the lower end for a lynch pin or wire lock pin. C1144 material used. A Lynch Pin or Wire Lock Pin is attached with a Nylon Coated Cable. Specifications the same as the Large Handle Pins above. Zinc Plated.



CODE NO	PIN DIA (A) & (B)	LANY LENGTH	LANY DIA	FASTENER	WGT/CTN	UPC CODE	PCS/CTN
LHY124	1/2X3-1/2	6	1/16	Lynch Pin 3/16	5	99039	12
LHY586	5/8X4-1/2	6	1/16	Lynch Pin 3/16	8	99040	12
LHY346	3/4X4-1/2	6	1/16	Lynch Pin 3/16	10	99041	12
LHY786	7/8X4-1/2	6	1/16	Lynch Pin 3/16	14	99042	12
LHY588	5/8X6	10	1/16	Lynch Pin 3/16	9	99043	12
LHY348	3/4X6	10	1/16	Lynch Pin 3/16	13	99044	12
LHY788	7/8X6	10	1/16	Lynch Pin 3/16	17	99045	12
LHY18	1X6	10	1/16	Lynch Pin 3/16	23	99046	12
LHY1189	1-1/8X7	12	3/32	Wire Lock 1/4x1-3/8	17	99047	6
LHY1149	1-1/4X7	12	3/32	Wire Lock 1/4x1-3/8	20	99048	6
LHY11210	1-1/2X8	12	3/32	Wire Lock 5/16x1-3/4	32	99049	6
LHY210	2X8	14	3/32	Wire Lock 5/16x2-1/2	30	99050	3



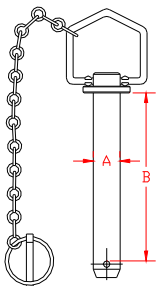
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FORGED HITCH PINS

These Forged Hitch Pins have a swivel handle and comes with chain and 1/4 lynch pin. Zinc Plated - Yellow.



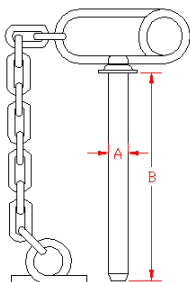
CODE NO	PIN DIA(A)	USABLE LENGTH(B)	WGT/CTN	UPC CODE	PCS/CTN
FHP124	1/2	4-1/4	4.8	24000	12
FHP126	1/2	6-1/4	7.2	24001	12
FHP584	5/8	4-1/4	8.4	24009	12
FHP588	5/8	6-1/4	9.6	24002	12
FHP344	3/4	4-1/4	12.0	24003	12
FHP348	3/4	6-1/4	13.2	24004	12
FHP788	7/8	6-1/4	16.8	24005	12
FHP18	1	6-1/4	22.8	24006	12
FHP1189	1-1/8	6-1/4	14.4	24007	6
FHP1149	1-1/4	6-1/4	17.4	24008	6



TOGGLE HITCH PINS



The Toggle Hitch Pin is a pin that utilizes a safety clip free securing mechanism (Toggle). The Toggle securing device is attached to the pin by high tensile steel chain to prevent loss and to ensure the Toggle is always readily available. The Toggle Pin comes with a large handle for ease of removal, and a heavy duty washer welded to it. The pin is made from C1045 material that is then Heat Treated to Rc38-42. The Chain and Toggle are both made from high tensile steel. Zinc Plated.



CODE NO	PIN DIA(A)	USE LENGTH(B)	HANDLE DIA	WGT/ CTN	UPC CODE	PCS/ CTN
LL348	3/4	8	5/16	12	99276	6
LL788	7/8	8	5/16	15	99277	6
LL18	1	8	5/16	18	99278	6
LL1189	1-1/8	9	3/8	13	99279	3
LL1149	1-1/4	9	3/8	15	99280	3
LL11210	1-1/2	9	3/8	20	99281	3

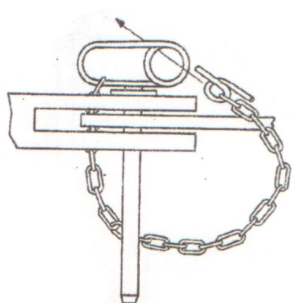


SPECIAL FEATURES

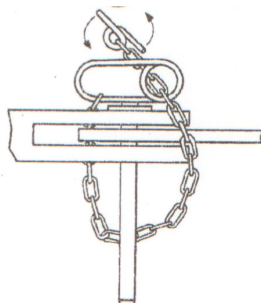
- ◆ No Hitch Pin Clip to BUY, USE, or LOSE
- ◆ Toggle Locking Device is always with pin
- ◆ Easy to Lock and Unlock
- ◆ Toggle will not come unlocked
- ◆ Large Handle for ease of removal
- ◆ Locking Device has no mechanical moving parts to BREAK, WEAR OUT, or MALFUNCTION
- ◆ The Toggle Pin provides an economical, simple, and trouble free method of securing a Hitch Pin.
- ◆ Large Welded Collar
- ◆ Hardened (Heat Treated)
- ◆ Zinc Plated

STEP-BY-STEP INSTRUCTIONS

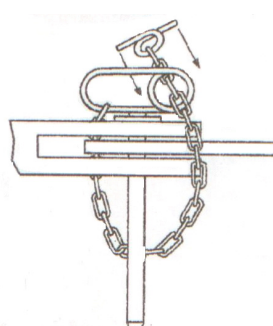
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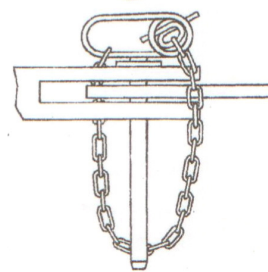
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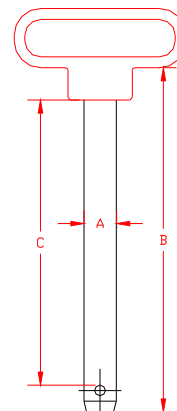


LARGE RING HITCH PINS (RED HANDLE)

The Large Ring Pin has a large handle (easy to grab) for today's demanding application. These pins are a one piece grade 5 forged hitch pin made from heat treated high tensile steel. Pin has black powder coating with a red vinyl coated head & handle. A hole is drilled in the lower end for a hitch pin clip. Hitch pin clip included.



CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	RING DIA	HOLE DRILLED	WGT/ CTN	UPC CODE	PCS/ CTN
LRP124	1/2	4-5/8	3-1/2	1/4	1/4	5	99101	12
LRP586	5/8	5-1/4	4	1/4	1/4	8	99102	12
LRP346	3/4	5-1/2	4	1/4	1/4	10	99103	12
LRP786	7/8	5-3/4	4-1/4	1/4	1/4	14	99104	12
LRP588	5/8	7	5-3/4	1/4	1/4	10	99105	12
LRP348	3/4	8	6-1/2	1/4	1/4	13	99106	12
LRP788	7/8	8	6-1/2	1/4	1/4	18	99107	12
LRP18	1	9	7-1/2	1/4	1/4	23	99108	12
LRP1189	1-1/8	10	8-3/8	5/16	1/4	17	99109	6
LRP1149	1-1/4	10	8-3/8	5/16	1/4	20	99110	6
LRP11210	1-1/2	10	8-1/2	5/16	1/4	32	99111	6



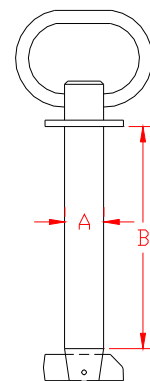
TENSION LOCK HITCH PINS

The Tension Lock Hitch Pin is a machined pin manufactured with a free rotating toggle for an easy application that eliminates an additional fastener to be used in the bottom of the pin (i.e. hitch pin clip, lynch pin, etc.).

Rotate the toggle at the bottom of the pin parallel so that it fits into the groove. After inserting the pin into the hole then rotate the toggle 90 degrees to insure the pin will not fall out. Zinc Plated.



CODE NO	PIN DIA(A)	USABLE LENGTH(B)	HANDLE DIA	WGT/ CTN	UPC CODE	PCS/ CTN
TL383	3/8	2-3/4	1/8	2.4	98000	12
TL384	3/8	4	1/8	2.4	98009	12
TL124	1/2	3-1/2	1/4	6	98001	12
TL125	1/2	5-1/2	1/4	12.96	98010	12
TL584	5/8	3-1/2	1/4	8.2	98002	12
TL585	5/8	5-1/2	1/4	13.20	98011	12
TL344	3/4	3-1/2	1/4	10	98003	12
TL348	3/4	6	1/4	14	98004	12
TL784	7/8	3-1/2	1/4	13	98005	12
TL788	7/8	6	1/4	19	98006	12
TL14	1	3-1/2	1/4	17	98007	12
TL18	1	6	1/4	25	98008	12

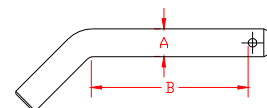


BENT HITCH PINS (ZINC PLATED & STAINLESS STEEL)

The Bent Pin is an inexpensive multifunctional pin and very easy to use. A strong one piece high carbon steel (C1018 or 302/304 SS) bent at 15 degrees. Bent Pin comes with a hitch pin clip or lynch pin.



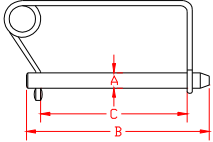
CODE NO	PIN DIA(A)	USABLE LENGTH(B)	HANDLE LENGTH	HOLE DRILLED	FASTENER	WGT/ CTN	UPC CODE	PCS/ CTN
BP383	3/8	3	1-3/4	5/32	Hitch Pin Clip 3/32	3	99129	12
BP123	1/2	3	1-3/4	5/32	Hitch Pin Clip 1/8	4	99126	12
BP583	5/8	3	1-3/4	5/32	Hitch Pin Clip 1/8	6	99127	12
BP3435	3/4	3-1/2	2-3/8	3/16	Hitch Pin Clip 5/32	10	99128	12
SBP123	1/2	3	1-3/4	5/32	Lynch Pin 3/16	4	99135	12
SBP583	5/8	3	1-3/4	5/32	Lynch Pin 3/16	6	99136	12



POWER TAKE OFF PINS



For all PTO equipment. Fits all PTO knuckles and most adapters. Has many other uses also....trailers, trucks, campers, boats, garden tractors, or other RV vehicles. C1018 material used. Zinc Plated.



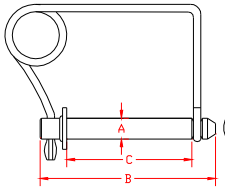
CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	WIRE DIA	WIRE CLEAR	WGT/ CTN	UPC CODE	PCS/ BAG
PTO14	1/4	3-3/16	2	.105	1-3/8	2	99051	25
PTO143	1/4	3-3/4	3	.105	1-3/8	2	99052	25
PTO516	5/16	3-3/16	2-1/4	.105	1-3/8	2	99053	25
PTO5163	5/16	3-3/4	3	.105	1-3/8	3	99054	25
PTO5164	5/16	4-3/4	4	.105	1-3/8	3	99057	25
PTO38	3/8	3-3/16	2-1/4	.105	1-3/8	3	99055	25
PTO383	3/8	3-3/4	3	.105	1-3/8	4	99056	25
PTO384	3/8	4-3/4	4	.105	1-3/8	4	99058	25
PTO716	7/16	3-3/16	2-1/4	.105	1-3/8	4	99059	25
PTO7163	7/16	3-3/4	3	.105	1-3/8	5	99065	25
PTO7164	7/16	4-3/4	4	.105	1-3/8	6	99066	25



SAFETY SPRING HITCH PINS



The Safety Spring Pin is notched for secure locking of the spring. Spring is securely clinched where it passes through the upper end of the pin; it will not pull out. All pins have a washer welded to them. C1144 material used. Zinc Plated.



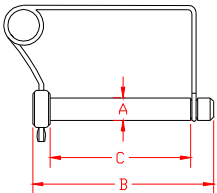
CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	WIRE DIA	WASH GA	WASH DIA	LOOP CLEAR	WGT/ CTN	UPC CODE	PCS CTN
SP124	1/2	4-47/64	3-1/2	.177	12	1	2-3/4	3	99026	6
SP586	5/8	5-51/64	4-1/2	.177	12	1-1/4	2-3/4	4	99027	6
SP346	3/4	5-51/64	4-1/2	.177	10	1-1/2	2-3/4	5	99028	6
SP348	3/4	7-19/64	6	.177	10	1-1/2	3	7	99029	6
SP788	7/8	7-3/8	6	.177	9	1-3/4	3	9	99030	6
SP18	1	7-3/8	6	.177	8	2	3	10	99189	6



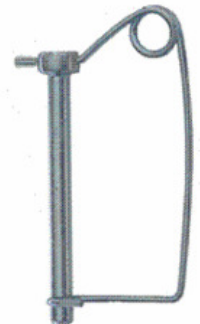
SNAPPER PINS



Use the Snapper Pin for a positive secure lock. A one piece machined pin with head for applications with tractors or other RV vehicles. Easy to insert or remove. C12L14 material used. Zinc Plated.



CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	WIRE DIA	LOOP CLEAR	HEAD DIA	HEAD HEIGHT	WGT/ CTN	UPC CODE	PCS BAG
SP1475	1/4	2-1/2	1-3/4	.105	1-1/2	1/2	5/16	2	99176	25
SP1428	1/4	2-7/8	2-1/8	.105	1-1/2	1/2	5/16	2	99177	25
SP1425	1/4	3-1/4	2-1/2	.105	1-1/2	1/2	5/16	2	99178	25
SP143	1/4	3-3/4	3	.105	1-1/2	1/2	5/16	2	99184	25
SP144	1/4	4-5/8	4	.105	2-1/4	1/2	5/16	3	99185	25
SP51624	5/16	3	2-1/4	.105	1-1/2	1/2	9/16	3	99179	25
SP51675	5/16	3-1/2	2-3/4	.105	1-1/2	1/2	9/16	3	99180	25
SP5163	5/16	3-3/4	3	.105	1-1/2	1/2	9/16	3	99186	25
SP5164	5/16	4-5/8	4	.105	2-1/4	1/2	9/16	4	99187	25
SP3824	3/8	3	2-1/4	.105	1-1/2	5/8	5/16	3	99181	25
SP3825	3/8	3-1/4	2-1/2	.105	1-1/2	5/8	5/16	3	99182	25
SP383	3/8	3-3/4	3	.105	1-1/2	5/8	5/16	4	99183	25
SP384	3/8	4-5/8	4	.105	2-1/4	5/8	5/16	5	99188	25



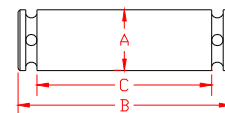


HYDRAULIC CYLINDER PINS

An easy in and out hydraulic cylinder pin with a groove and hole at each end.
Hitch pin clips are included. C1144 material used.

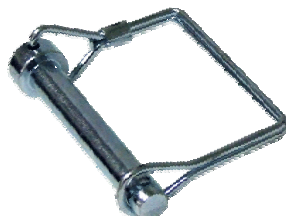


CODE NO	PIN DIA(A)	PIN LENGTH(B)	USABLE LENGTH(C)	HOLE DRILLED	WGT/ CTN	UPC CODE	PCS/ CTN
HC12	1	2-7/8	2-1/4	3/16	7	99076	12
HC13	1	3-1/2	2-7/8	3/16	9	99077	12
HC14	1	3-7/8	3-1/4	3/16	10	99078	12
HC15	1-1/4	3-7/8	3-1/4	3/16	8	99079	6

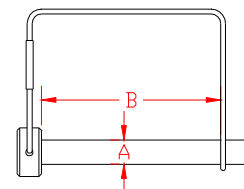


WIRE LOCK PINS

Wire lock pins combine the benefits of a pin and cotter combination in a single, dependable assembly. They are a convenient way to adjust or remove accessories on equipment. Simply pull the wire loop over the pin to lock it in place. Reverse the process for easy removal. C1010 material used. Zinc Plated.



CODE NO	PIN DIA(A)	PIN LTH	USABLE LTH(B)	WIRE DIA	WIRE CLEAR	HEAD DIA	HEAD HGT	HAND TYPE	WGT/ CTN	UPC CODE	PCS/ BAG
WL1000	1/4	1-5/8	1-3/8	.091	1-5/8	9/16	5/16	RD	2	99226	25
WL1200	1/4	2	1-3/4	.091	1-9/16	9/16	5/16	RD	2	99227	25
WL1300	1/4	2-1/2	2-1/4	.091	1-5/8	9/16	5/16	SQ	2	99242	25
WL1400	1/4	2-3/4	2-1/2	.091	1-3/4	9/16	5/16	SQ	2	99228	25
WL1600	1/4	2-3/4	2-1/2	.091	1-3/4	9/16	5/16	RD	2	99229	25
WL2000	5/16	1-5/8	1-3/8	.091	1-9/16	5/8	5/16	RD	2	99230	25
WL2200	5/16	2	1-3/4	.091	1-1/2	5/8	5/16	RD	2	99231	25
WL2300	5/16	2-1/2	2-1/4	.091	1-9/16	5/8	5/16	SQ	3	99243	25
WL2400	5/16	2-3/4	2-1/2	.091	1-11/16	5/8	5/16	SQ	3	99232	25
WL2600	5/16	2-3/4	2-1/2	.091	1-11/16	5/8	5/16	RD	3	99233	25
WL2800	5/16	3-1/4	3	.091	1-11/16	5/8	5/16	SQ	4	99239	25
WL3000	3/8	1-5/8	1-3/8	.091	1-1/2	5/8	5/16	RD	3	99234	25
WL3200	3/8	2	1-3/4	.091	1-7/16	5/8	5/16	RD	3	99235	25
WL3400	3/8	2-1/2	2-1/4	.091	1-1/2	5/8	5/16	SQ	3.5	99236	25
WL3600	3/8	2-3/4	2-1/2	.091	1-5/8	5/8	5/16	SQ	3.5	99237	25
WL3800	3/8	2-3/4	2-1/2	.091	1-5/8	5/8	5/16	RD	3.5	99238	25
WL3900	3/8	3-1/4	3	.091	1-5/8	5/8	5/16	SQ	4	99240	25
WL4000	1/2	3-1/2	3	.125	1-7/16	3/4	5/16	SQ	3	99241	10

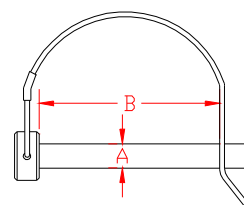


WIRE LOCK PINS - TAB

Easier to use than standard wire lock pins. Pull up on tab to remove, push down on wire loop to lock. C1010 material used. Zinc Plated.



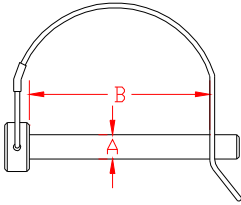
CODE NO	PIN DIA(A)	PIN LTH	USABLE LTH(B)	WIRE DIA	WIRE CLEAR	HEAD DIA	HEAD HEIGH	HAND TYPE	WGT/ CTN	UPC CODE	PCS/ BAG
TWL1000	1/4	2	1-3/4	.091	1-1/2	9/16	5/16	RD	2	99270	25
TWL2000	5/16	2	1-3/4	.091	1-1/2	5/8	5/16	RD	2	99271	25
TWL2200	5/16	2-3/4	2-1/2	.091	1-1/2	5/8	5/16	RD	2	99274	25
TWL3000	3/8	2	1-3/4	.091	1-1/2	5/8	5/16	RD	3	99272	25
TWL3200	3/8	2-1/2	2-1/4	.091	1-1/2	5/8	5/16	SQ	3.5	99273	25
TWL3400	3/8	2-3/4	2-1/2	.091	1-1/2	5/8	5/16	RD	2.8	99275	25



WIRE LOCK PINS - TAB (STAINLESS STEEL)



Easier to use than standard wire lock pins. Pull up on tab to remove, push down on wire loop to lock. 302/304 SS material used.



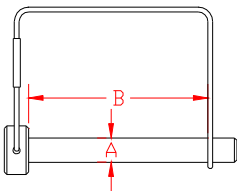
CODE NO	PIN DIA(A)	PIN LTH	USABLE LTH(B)	WIRE DIA	WIRE CLEAR	HEAD DIA	HEAD HGT	HAND TYPE	WGT/ CTN	UPC CODE	PCS/ BAG
STWL1000	1/4	2	1-3/4	.091	1-1/2	9/16	5/16	RD	2	99284	25
STWL2000	5/16	2	1-3/4	.091	1-1/2	5/8	5/16	RD	2	99285	25
STWL3000	3/8	2	1-3/4	.091	1-1/2	5/8	5/16	RD	3	99286	25



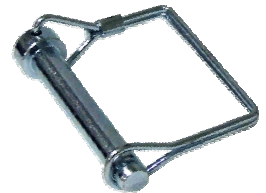
WIRE LOCK PINS (STAINLESS STEEL)



Wire lock pins combine the benefits of a pin and cotter combination in a single, dependable assembly. They are a convenient way to adjust or remove accessories on equipment. Simply pull the wire loop over the pin to lock it in place. Reverse the process for easy removal. 302/304 SS material used.



CODE NO	PIN DIA(A)	PIN LTH	USABLE LTH(B)	WIRE DIA	WIRE CLEAR	HEAD DIA	HEAD HGT	HAND TYPE	WGT/ CTN	UPC CODE	PCS/ BAG
SWL1000	1/4	1-5/8	1-3/8	.091	1-5/8	9/16	5/16	RD	2	99251	25
SWL1200	1/4	2	1-3/4	.091	1-5/8	9/16	5/16	RD	2	99252	25
SWL1400	1/4	2-1/2	2-1/4	.091	1-5/8	9/16	5/16	SQ	2	99253	25
SWL1600	1/4	2-3/4	2-1/2	.091	1-3/4	9/16	5/16	SQ	2	99254	25
SWL2000	5/16	1-5/8	1-3/8	.091	1-1/2	5/8	5/16	RD	2	99255	25
SWL2200	5/16	2	1-3/4	.091	1-1/2	5/8	5/16	RD	2	99256	25
SWL2400	5/16	2-1/2	2-1/4	.091	1-9/16	5/8	5/16	SQ	3	99257	25
SWL2600	5/16	2-3/4	2-1/2	.091	1-11/16	5/8	5/16	SQ	3	99258	25
SWL3000	3/8	1-5/8	1-3/8	.091	1-1/2	5/8	5/16	RD	3	99259	25
SWL3200	3/8	2	1-3/4	.091	1-1/2	5/8	5/16	RD	3	99260	25
SWL3400	3/8	2-1/2	2-1/4	.091	1-1/2	5/8	5/16	SQ	3.5	99261	25
SWL3600	3/8	2-3/4	2-1/2	.091	1-5/8	5/8	5/16	SQ	3.5	99262	25



LANYARDS



Lanyard assemblies are used to attach pins and other fasteners to a fixture or frame to prevent them from being misplaced while they are not in use. All standard lanyards are made from 7x7 aircraft cable, chosen for its strength and flexibility. We will do custom lanyard work. Contact us for information about lanyard diameter, length, coating, and what you would like attached to the lanyard.



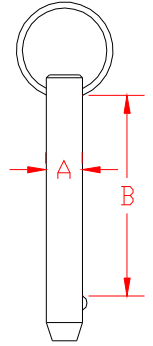


DETENT PINS

The Detent Hitch Pin has a solid body construction with a direct spring loaded ball that provides dependable operating quality. High shear capacity steel gives maximum strength for all applications. Common sizes are shown, however sizes 3/16" thru 2" diameter with usable length of 1/4" or longer are available. These pins are manufactured from steel (C1144). Contact us for availability and pricing on sizes that are not listed. Zinc Plated.



CODE NO	PIN DIA (A)	USABLE LENGTH (B)	BALL DIST/ END	RING DIST/ END	BALL SHANK DIA	RING DIA	WGT/ CTN	UPC CODE	PCS/ BAG
DP1000	3/16	1	.200	.187	.204	1.00	.16	99201	10
DP1200	3/16	1-1/2	.200	.187	.204	1.00	.20	99202	10
DP1400	3/16	2	.200	.187	.204	1.00	.24	99203	10
DP2000	1/4	1	.312	.220	.286	1.00	.26	99204	10
DP2200	1/4	1-1/2	.312	.220	.286	1.00	.33	99205	10
DP2400	1/4	2	.312	.220	.286	1.00	.40	99206	10
DP2600	1/4	3	.312	.220	.286	1.00	.53	99207	10
DP3000	5/16	1	.375	.250	.358	1.00	.41	99208	10
DP3200	5/16	1-1/2	.375	.250	.358	1.00	.52	99209	10
DP3400	5/16	2	.375	.250	.358	1.00	.63	99210	10
DP3600	5/16	3	.375	.250	.358	1.00	.85	99211	10
DP4000	3/8	1	.500	.250	.426	1.00	.53	99212	10
DP4200	3/8	1-1/2	.500	.250	.426	1.00	.69	99213	10
DP4400	3/8	2	.500	.250	.426	1.00	.84	99214	10
DP4600	3/8	3	.500	.250	.426	1.00	1.16	99215	10
DP4700	3/8	4	.500	.250	.426	1.00	1.48	99222	10
DP5000	7/16	2	.562	.250	.496	1.00	1.19	99216	10
DP5200	7/16	3	.562	.250	.496	1.00	1.62	99217	10
DP6000	1/2	2	.625	.312	.570	1.25	1.57	99218	10
DP6200	1/2	3	.625	.312	.570	1.25	2.13	99219	10
DP6400	1/2	4	.625	.312	.570	1.25	2.41	99220	10

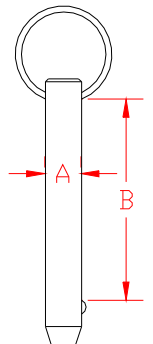


(STAINLESS STEEL) DETENT PINS

The Detent Hitch Pin has a solid body construction with a direct spring loaded ball that provides dependable operating quality. High shear capacity steel gives maximum strength for all applications. Common sizes are shown, however sizes 3/16" thru 2" diameter with usable length of 1/4" or longer are available. These pins are manufactured from Stainless Steel (303). Contact us for availability and pricing on sizes that are not listed.



CODE NO	PIN DIA (A)	USABLE LENGTH (B)	BALL DIST/ END	RING DIST/ END	BALL SHANK DIA	RING DIA	WGT/ CTN	UPC CODE	PCS/ BAG
SDP1000	3/16	1	.200	.187	.204	1.00	.16	51025	10
SDP1200	3/16	1-1/2	.200	.187	.204	1.00	.20	51026	10
SDP1400	3/16	2	.200	.187	.204	1.00	.24	51027	10
SDP2000	1/4	1	.312	.220	.286	1.00	.26	51028	10
SDP2200	1/4	1-1/2	.312	.220	.286	1.00	.33	51029	10
SDP2400	1/4	2	.312	.220	.286	1.00	.40	51030	10
SDP2600	1/4	3	.312	.220	.286	1.00	.53	51031	10
SDP3000	5/16	1	.375	.250	.358	1.00	.41	51032	10
SDP3200	5/16	1-1/2	.375	.250	.358	1.00	.52	51033	10
SDP3400	5/16	2	.375	.250	.358	1.00	.63	51034	10
SDP3600	5/16	3	.375	.250	.358	1.00	.85	51035	10
SDP4000	3/8	1	.500	.250	.426	1.00	.53	51036	10
SDP4200	3/8	1-1/2	.500	.250	.426	1.00	.69	51037	10
SDP4400	3/8	2	.500	.250	.426	1.00	.84	51038	10
SDP4600	3/8	3	.500	.250	.426	1.00	1.16	51039	10
SDP4700	3/8	4	.500	.250	.426	1.00	1.48	51040	10
SDP5000	7/16	2	.562	.250	.496	1.00	1.19	51041	10
SDP5200	7/16	3	.562	.250	.496	1.00	1.62	51042	10
SDP6000	1/2	2	.625	.312	.570	1.25	1.57	51043	10
SDP6200	1/2	3	.625	.312	.570	1.25	2.13	51044	10
SDP6400	1/2	4	.625	.312	.570	1.25	2.41	51045	10
SDP6500	1/2	5	.625	.312	.570	1.25		51046	10



MACHINERY BUSHINGS DISPLAY

An assortment of 41 different sizes ranging from narrow rim 9/16 thru 2-1/4 to wide rim 3/4 thru 2 in gages 18, 14, and 10. Plain finish. Includes a wooden display board and hooks.

An assortment of 23 different sizes ranging from narrow rim 9/16 thru 2-1/4 to wide rim 3/4 thru 2 in gages 18 and 14. 10 pieces of each size in a bag. All bushings individually labeled with UPC code. Plain finish.

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
MB163	11	45400	163

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
MB230-UPC	11.5	45404	230



SQUARE KEY STOCK DISPLAY

An assortment of 7 different sizes ranging from 1/8 thru 1/2 in lengths of 12". Zinc Plated. Includes a corrugated stand-up display box.

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
KS62	19	31400	62



SET COLLAR DISPLAY

An assortment of 13 different sizes ranging from 3/8 thru 1-1/2. Zinc Plated. Includes a wooden display board and hooks.

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
SC45	11	56400	45



QUICK REPAIR DISPLAY

An assortment of 9 different sizes ranging from 3/4 to 2 in 1/8 gage. Zinc Plated. Includes a wooden display board and hooks.

An assortment of 9 different sizes ranging from 3/4 to 2 in 1/8 gage. 10 pieces of each size in a bag. All bushings individually labeled with UPC code. Zinc Plated.

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
QR90	11	50400	90

CODE NO	WGT/CTN	UPC CODE	NO OF PCS
QR90-UPC	11	50402	90



COUNTERTOP DISPLAYS

These displays are made of a sturdy corrugated carton for displaying as well as shipping. These cartons convert into an attractive point of purchase sale that can be a display on the counter.

CODE NO	DESCRIPTION	WGT/DISPLAY	UPC CODE	PCS/CTN
CLP100	Lynch Pins	4.5	36010	100
HC135	Hydraulic Cylinder Pins	37.0	99400	135
LB73	Three Point Linkage Bushings	17.0	35400	73



COUNTER TOP DISPLAYS - BLISTERS

These displays are made up of the Wilson Assortments shown below. They are made of a sturdy corrugated carton for displaying as well as shipping. These cartons convert into an attractive point of purchase sale that can be a display on the counter. There are five different assortments available for the Agricultural or Home Do-It-Yourself Individual.



CODE NO	DESCRIPTION	WGT/DISPLAY	UPC CODE	NO OF BLISTERS/CTN
CCP100	Cotter Pins	3.50	10404	5
CHP15	Hitch Pin Clips	3.50	25403	10
CMP25	Clevis (Machine) Pins	4.50	41402	5
CSL35	Spring Lock Pins	3.00	57403	10
CUP15	Universal Pins	3.00	80401	5

ASSORTMENTS - BLISTERS

These plastic blister boxes are filled with the most popular sizes available in an assortment to be sure the right size you need is available. The plastic box can be re-closed to store unused parts.

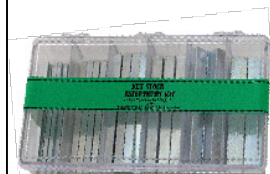
CODE NO	ITEM	DESCRIPTION	WGT/CTN	UPC CODE	BLISTERS/ CTN
CP50A	COTTER PINS	ZINC PLATED, 50 PCS IN SIZES 1/16, 3/32, 1/8, 5/32	2.0	10407	10
CP100A	COTTER PINS	ZINC PLATED, 100 PCS IN SIZES 3/32, 1/8, 5/32, 3/16, 1/4, 5/16	8.50	10400	10
DP15A	DETENT PINS	ZINC PLATED, 15 PCS IN SIZES 3/16, 1/4, 5/16, 3/8	10.00	06400	10
CSL16A	COILED SPRING LOCK PINS	ZINC PLATED, 16 PCS IN SIZES 1/4, 5/16	1.50	11401	10
CSL30A	COILED SPRING LOCK PINS	ZINC PLATED, 30 PCS IN SIZES 1/16, 3/32, 1/8, 3/16, 1/4, 5/16	3.00	11400	10
HP15A	HITCH PIN CLIPS	ZINC PLATED, 15 PCS IN SIZES 3/32, 1/8, 5/32, 3/16	3.50	25400	10
MP25A	CLEVIS PINS (Machine)	PLAIN, 25 PCS IN SIZES 3/16, 1/4, 5/16, 3/8	9.00	41400	10
SL35A	SPRING LOCK PINS	ZINC PLATED, 35 PCS IN SIZES 3/32, 1/8, 3/16, 1/4, 5/16, 3/8	3.00	57400	10
UP15A	UNIVERSAL PINS	PLAIN, 15 PCS IN SIZES 3/16, 1/4, 5/16, 3/8, 7/16	4.00	80400	10

ASSORTMENT KITS

Clear plastic boxes with dividers containing several sizes commonly used on the farm, in the shop, or around the house. Convenient to carry and store.

CODE NO	ITEM	SIZES	KITS/CTN	WGT/CTN	UPC CODE	NO OF PCS
*MP51	CLEVIS PINS (Machine)	5 SIZES (3/16, 1/4, 5/16, 3/8, 1/2)	3	4.00	41403	51
*CP260	COTTER PINS	6 SIZES (3/32, 1/8, 5/32, 3/16, 1/4, 5/16)	3	6.00	10402	260
*CP300	COTTER PINS	3 SIZES (1/16, 3/32, 1/8)	3	2.50	10403	300
*ER175	E-RINGS	6 SIZES (1/8, 3/16, 1/4, 3/8, 1/2, 3/4)	3	1.00	22400	175
*ERR100	EXTERNAL RETAINING RINGS	6 SIZES (1/4, 5/16, 3/8, 1/2, 3/4, 1)	3	1.00	21400	100
*HPC100	HITCH PIN CLIPS	6 SIZES (3/64, 5/64, 3/32, 1/8, 5/32, 3/16)	3	6.00	25402	100
*HGF31	GREASE FITTINGS (Hydraulic)	6 SIZES (1/8 PIPE & 1/4-28(S, 45, 90))	3	1.50	26400	31
*HGF100	GREASE FITTINGS (Hydraulic)	6 SIZES (1/8 PIPE & 1/4-28(S, 45, 90))	3	4.00	26401	100
*IRR100	INTERNAL RETAINING RINGS	6 SIZES (1/4, 5/16, 3/8, 1/2, 3/4, 1)	3	1.00	28400	100
*KS45	KEY STOCK	6 SIZES (1/8, 3/16, 1/4, 5/16, 3/8, 1/2) 3" LENGTHS	3	4.50	30400	45
*MB85	MACHINERY BUSHINGS (NARROW & WIDE RIM)	7 SIZES (5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4) 14 & 18 GA	3	4.00	45401	85
OR200	O-RINGS	12 SIZES (-010 THRU -012, -110 THRU -116, -211 THRU -212)	3	1.50	97400	200
*ORCI23	O-RINGS	23 SIZES (REPLACEMENT FOR JI CASE-INTERNATIONAL)	1	1.70	97413	167
*ORFO23	O-RINGS	23 SIZES (REPLACEMENT FOR FORD)	1	1.70	97411	167
*ORJD23	O-RINGS	23 SIZES (REPLACEMENT FOR JOHN DEERE)	1	1.70	97410	167
*ORMF23	O-RINGS	23 SIZES (REPLACEMENT FOR MASSEY FERGUSON)	1	1.70	97412	167
*ORKIT4	O-RINGS	23 SIZES (REPLACEMENT FOR FO, JD, MF, C-IH) (ALL 4 IN ONE)	1	1.70	97414	167
*SS82	SET SCREWS	4 SIZES (10-24, 1/4, 5/16, 3/8)	3	1.50	96400	82
*SL146	SPRING LOCK PINS	6 SIZES (3/32, 1/8, 3/16, 1/4, 5/16, 3/8)	3	1.50	57401	146
*WSBTC60	TERMINALS AUTO/TRAILER	6 SIZES (WIRE NUTS, TAP CONN, BUTT CONN)	3	1.00	89400	60
*WSBTC130	TERMINALS AUTO/TRAILER	8 SIZES (WIRE NUTS, TAP CONN, BUTT CONN)	3	2.00	89401	130
*WT82	TERMINALS/ WIRE	8 SIZES (QUICK/BUTT CONN, RINGS, SPADES)	3	2.00	88440	82
*WT260	TERMINALS/ WIRE	12 SIZES (QUICK/BUTT CONN, RINGS, SPADES, CRIMPING TOOL)	1	4.50	88401	260
*UP42	UNIVERSAL PINS	5 SIZES (1/4, 5/16, 3/8, 7/16, 1/2 LENGTH 1/2-2)	3	4.00	80402	42
*WK62	WOODRUFF KEYS	5 SIZES (1/8, 3/16, 1/4, 5/16, 3/8)	3	3.00	90400	62

* Replacement bags available for individual sizes.



(CLAMSHELL) BLISTER PACK

Blister Packs (or more commonly known as Clamshells) are pre-punched clear packages containing small quantities of items. Use as refills for pegboard displays. Ten blisters per carton.

BATTERY BOLTS (Galvanized)



CODE NO	SIZE	WGT/CTN	UPC CODE	NO OF PCS/BLIS
BB10	5/16-18X1-3/8	1.10	07200	2

CLEVIS PINS - MACHINE (Plain)



CODE NO	SIZE	WGT/CTN	UPC CODE	NO OF PCS/BLIS
MP10	3/16X1	.25	41200	3
MP12	3/16X1-1/2	.47	41201	3
MP14	3/16X2	.41	41202	2
MP21	1/4X1	.61	41203	3
MP23	1/4X1-1/2	.55	41204	2
MP25	1/4X2	.72	41205	2
MP27	1/4X2-1/2	.89	41206	2
MP32	5/16X1-1/2	.84	41207	2
MP34	5/16X2	1.10	41208	2
MP36	5/16X2-1/2	.69	41209	1
MP38	5/16X3	.83	41210	1
MP42	3/8X1-1/2	.63	41211	1
MP44	3/8X2	.81	41212	1
MP46	3/8X2-1/2	.99	41213	1
MP47	3/8X3	1.17	41214	1
MP52	7/16X2	1.11	41215	1

COTTER PINS (Zinc Plated)



CODE NO	SIZE	WGT/CTN	UPC CODE	NO OF PCS/BLIS
CP10	3/32X3/4	.80	10200	36
CP12	3/32X1	.91	10201	32
CP14	3/32X1-1/2	.85	10202	22
CP21	1/8X1	1.08	10203	21
CP22	1/8X1-1/2	1.12	10204	16
CP31	5/32X1-1/2	1.18	10205	10
CP40	3/16X1	1.30	10206	10
CP42	3/16X1-1/2	1.22	10207	7
CP44	3/16X2	1.03	10208	5
CP51	1/4X1-1/2	1.16	10209	4
CP52	1/4X2	1.70	10210	3
CP62	5/16X2	1.24	10211	2

HITCH PIN CLIPS - EXTERNAL (Zinc Plated)



CODE NO	SIZE	WGT/CTN	UPC CODE	NO OF PCS/BLIS
EHP10	7x(.105)	.52	20200	4
EHP20	10x(.177)	1.01	20201	2

BLISTER PACK (CLAMSHELL)

Blister Packs (or more commonly known as Clamshells) are pre-punched clear packages containing small quantities of items. Use as refills for pegboard displays. Ten blisters per carton.

HITCH PIN CLIPS (Zinc Plated)

CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
HP10	3/32	.84	25200	10
HP20	1/8	.71	25201	4
HP30	5/32	1.30	25202	3
HP40	3/16	1.24	25203	2
HP50	1/4	1.38	25204	1
HP60	5/16	2.10	25205	1



GREASE FITTINGS - HYDRAULIC (Zinc Plated)

CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
HG10	1/8-Pipe-S	1.80	26200	10
HG12	1/8-Pipe-45	1.62	26201	5
HG16	1/8-Pipe-90	1.62	26202	5
HG18	1/4-28-S	.440	26203	20
HG20	1/4-28-45	.60	26204	10
HG22	1/4-28-90	.440	26205	8
HG24	3/16 DR (S)	.81	26206	15
HG26	1/4 DR (S)	.88	26207	15
HG28	5/16 DR (S)	1.25	26208	15



KEY STOCK (Zinc Plated)

CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
KS12	3/16X3	3.0	30010	10
KS14	1/4X3	4.0	30011	8



O-RINGS (Nitrile Material)

CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
OR10	1/2 Coupling	.24	97200	6
OR12	Quattro	.20	97201	4
OR30	3/4-16 ORB	.26	97202	6
OR32	7/8-14 ORB	.26	97203	6



(CLAMSHELL) BLISTER PACK

Blister Packs (or more commonly known as Clamshells) are pre-punched clear packages containing small quantities of items. Use as refills for pegboard displays. Ten blisters per carton.

RIVETS (Plain)



CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
RT10	3/16X2-3/8	.31	68200	4
RT20	1/4X2-7/16	.33	68201	4
RT30	5/16X3/4	1.49	68202	25
RT32	5/16X1	1.52	68203	25
RT40	3/8x1	1.64	68204	25

SPRING LOCK PINS (Zinc Plated)



CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
SL32	3/32X3/4	.13	57200	10
SL42	1/8X3/4	.17	57201	8
SL43	1/8X1	.17	57203	6
SL53	3/16X1	.25	57204	4
SL56	3/16X1-1/2	.28	57205	3
SL58	3/16X2	.26	57206	2
SL62	1/4X1	.32	57207	3
SL65	1/4X1-1/2	.31	57208	2
SL67	1/4X2	.43	57209	2
SL68	1/4X2-1/2	.28	57210	1
SL73	5/16X1-1/2	.24	57211	1
SL75	5/16X2	.34	57212	1
SL81	3/8X1-1/2	.37	57213	1
SL82	3/8X2	.49	57214	1

TERMINALS - AUTOMOTIVE/TRAILER (Soderless)



CODE NO	SIZE	WGT/ CTN	UPC CODE	NO OF PCS/BLIS
QC10	Quick Conn 16-14 (.250)M&F	.24	88200	10
BC14	Butt Conn 22-16	.48	88201	20
BC16	Butt Conn 16-14	.36	88202	15
BC18	Butt Conn 12-10	.24	88203	10
R20	Ring 22-16(10)	.72	88204	30
R22	Ring 16-14(10)	.53	88205	22
R24	Ring 16-14(1/4)	.36	88206	15
R26	Ring 12-10(10)	.29	88207	12
R28	Ring 12-10(3/8)	.24	88208	10
S30	Spade 16-14(10)	.48	88209	20
S32	Spade 12-10(10)	.29	88210	12
WS10	Wire Nut 22-16 Grey	.48	88211	20
WS12	Wire Nut 22-14 Blue	.29	88212	12
WS14	Wire Nut 18-12 Yellow	.19	88213	8
TC16	Tap Conn 22-18 Red	.24	88214	5
TC18	Tap Conn 16-14 Blue	.12	88215	5

NON-THREADED FASTENERS

(BULK PACKAGING)

EXTERNAL RINGS (Plain)

Tapered-design ring that is installed into a groove to provide a rigid shoulder for high thrust loads.
Install using a pliers that expand the part over the shaft.



CODE NO	SIZE	SHAFT DIA	FREE DIA	THICK NESS	HOLE DIA	LUG CLEARAN	WGT/C	UPC CODE	PCS/BAG
ER0400	1/4	1/4	.225	.025	.041	.45	.021	21006	100
ER0600	5/16	5/16	.281	.025	.041	.54	.027	21007	100
ER1000	3/8	3/8	.338	.025	.041	.61	.039	21000	100
ER1100	1/2	1/2	.461	.035	.047	.77	.091	21008	100
ER1200	5/8	5/8	.579	.035	.047	.90	.130	21001	100
ER1300	3/4	3/4	.693	.042	.052	1.09	.210	21009	100
ER1400	7/8	7/8	.810	.042	.052	1.21	.280	21002	100
ER1600	1	1	.925	.042	.078	1.41	.360	21010	100
ER2000	1-3/8	1-3/8	1.272	.050	.078	1.80	.720	21003	100
ER2200	1-5/8	1-5/8	1.503	.062	.125	2.17	1.320	21004	100



E-RINGS (Plain)

Stamped clips for deep grooves with three prongs that yield high thrust load capacity.



CODE NO	SIZE	SHAFT DIA	FREE DIA	THICK NESS	OUTSIDE CLEARANC	WGT/ C	UPC CODE	PCS/BAG
ERI0800	1/8	1/8	.094	.015	.230	.008	22004	100
ERI1000	3/16	3/16	.145	.025	.335	.029	22000	100
ERI1100	1/4	1/4	.207	.025	.527	.076	22005	100
ERI1200	3/8	3/8	.300	.035	.660	.150	22001	100
ERI1300	1/2	1/2	.392	.042	.800	.250	22006	100
ERI1400	5/8	5/8	.480	.042	.940	.320	22002	100
ERI1600	3/4	3/4	.616	.062	1.000	.430	22003	100



INTERNAL RINGS (Plain)

Tapered section ring that is installed with a pliers into a housing or bore.

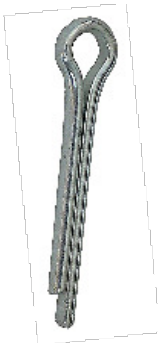


CODE NO	SIZE	HOUSING DIA	FREE DIA	THICK NESS	HOLE DIA	LUG CLEARANC	WGT/C	UPC CODE	PCS/BAG
IR0400	1/4	1/4	.280	.015	.031	.115	.008	28005	100
IR0600	5/16	5/16	.346	.015	.031	.173	.011	28006	100
IR1000	3/8	3/8	.415	.025	.041	.204	.025	28000	100
IR1100	1/2	1/2	.548	.035	.047	.260	.070	28007	100
IR1200	5/8	5/8	.694	.035	.062	.340	.100	28001	100
IR1300	3/4	3/4	.831	.035	.062	.450	.130	28008	100
IR1400	7/8	7/8	.971	.042	.062	.545	.210	28002	100
IR1600	1	1	1.111	.042	.062	.665	.270	28009	100
IR2000	1-3/8	1-3/8	1.526	.050	.078	.990	.510	28003	100
IR2200	1-5/8	1-5/8	1.804	.062	.078	1.150	1.000	28004	100



**COTTER PINS (Zinc Plated)**

We stock the chisel point-extended prong. Other styles are available upon request (i.e. hammerlock, tee, etc.)



CODE NO	SIZE	NOM SIZE OF BASIC PIN DIA	TOTAL SHANK MIN/MAX	WIRE WIDTH MIN/MAX	HEAD DIA	EXT PRONG LENGTH	HOLE SIZE	WGT/M	UPC CODE	PCS/BAG
CP0100	1/16x1/2	1/16	.060/.056	.060/.044	.120	.03	5/64	.60	10000	200
CP0200	1/16x3/4	1/16	.060/.056	.060/.044	.120	.03	5/64	.75	10001	200
CP0300	1/16x1	1/16	.060/.056	.060/.044	.120	.03	5/64	.95	10002	200
CP0500	1/16x1-1/2	1/16	.060/.056	.060/.044	.120	.03	5/64	1.35	10003	200
CP0700	1/16x2	1/16	.060/.056	.060/.044	.120	.03	5/64	1.75	10004	200
CP0900	1/16x2-1/2	1/16	.060/.056	.060/.044	.120	.03	5/64	2.60	10005	200
CP1000	3/32x3/4	3/32	.090/.086	.090/.069	.190	.04	7/64	1.70	10006	200
CP1200	3/32x1	3/32	.090/.086	.090/.069	.190	.04	7/64	2.20	10007	200
CP1400	3/32x1-1/2	3/32	.090/.086	.090/.069	.190	.04	7/64	3.10	10008	200
CP1500	3/32x1-3/4	3/32	.090/.086	.090/.069	.190	.04	7/64	3.50	10009	200
CP1600	3/32x2	3/32	.090/.086	.090/.069	.190	.04	7/64	4.00	10010	200
CP1800	3/32x2-1/2	3/32	.090/.086	.090/.069	.190	.04	7/64	4.95	10011	200
CP1900	3/32x3	3/32	.090/.086	.090/.069	.190	.04	7/64	6.00	10012	200
CP2000	1/8x3/4	1/8	.120/.116	.120/.093	.250	.06	9/64	3.30	10013	200
CP2100	1/8x1	1/8	.120/.116	.120/.093	.250	.06	9/64	4.30	10014	200
CP2200	1/8x1-1/2	1/8	.120/.116	.120/.093	.250	.06	9/64	5.60	10015	200
CP2300	1/8x1-3/4	1/8	.120/.116	.120/.093	.250	.06	9/64	6.60	10016	200
CP2400	1/8x2	1/8	.120/.116	.120/.093	.250	.06	9/64	7.40	10017	200
CP2600	1/8x2-1/2	1/8	.120/.116	.120/.093	.250	.06	9/64	8.90	10018	200
CP3000	5/32x1	5/32	.150/.146	.150/.116	.310	.07	11/64	6.90	10019	200
CP3100	5/32x1-1/2	5/32	.150/.146	.150/.116	.310	.07	11/64	9.50	10020	200
CP3200	5/32x2	5/32	.150/.146	.150/.116	.310	.07	11/64	11.50	10021	200
CP4000	3/16x1	3/16	.176/.172	.176/.137	.380	.09	13/64	10.40	10022	100
CP4200	3/16x1-1/2	3/16	.176/.172	.176/.137	.380	.09	13/64	13.90	10023	100
CP4400	3/16x2	3/16	.176/.172	.176/.137	.380	.09	13/64	17.10	10024	100
CP4600	3/16x2-1/2	3/16	.176/.172	.176/.137	.380	.09	13/64	20.30	10025	100
CP4700	3/16x3	3/16	.176/.172	.176/.137	.380	.09	13/64	23.70	10026	100
CP5000	1/4x1	1/4	.225/.220	.225/.176	.500	.11	17/64	18.90	10027	100
CP5100	1/4x1-1/2	1/4	.225/.220	.225/.176	.500	.11	17/64	24.20	10028	100
CP5200	1/4x2	1/4	.225/.220	.225/.176	.500	.11	17/64	29.70	10029	100
CP5400	1/4x2-1/2	1/4	.225/.220	.225/.176	.500	.11	17/64	34.50	10030	100
CP5500	1/4x3	1/4	.225/.220	.225/.176	.500	.11	17/64	40.30	10031	100
CP5600	1/4x3-1/2	1/4	.225/.220	.225/.176	.500	.11	17/64	46.90	10032	100
CP6000	5/16x1	5/16	.280/.275	.280/.220	.620	.14	5/16	32.20	10033	50
CP6100	5/16x1-1/2	5/16	.280/.275	.280/.220	.620	.14	5/16	40.10	10034	50
CP6200	5/16x2	5/16	.280/.275	.280/.220	.620	.14	5/16	51.80	10035	50
CP6400	5/16x2-1/2	5/16	.280/.275	.280/.220	.620	.14	5/16	59.40	10036	50
CP6500	5/16x3	5/16	.280/.275	.280/.220	.620	.14	5/16	67.70	10037	50
CP7000	3/8x1-1/2	3/8	.335/.329	.335/.263	.750	.16	3/8	63.20	10038	50
CP7200	3/8x2	3/8	.335/.329	.335/.263	.750	.16	3/8	73.60	10039	50
CP7400	3/8x2-1/2	3/8	.335/.329	.335/.263	.750	.16	3/8	86.50	10040	50
CP7500	3/8x3	3/8	.335/.329	.335/.263	.750	.16	3/8	104.10	10041	50
CP7600	3/8x3-1/2	3/8	.335/.329	.335/.263	.750	.16	3/8	112.30	10042	50
CP7700	3/8x4	3/8	.335/.329	.335/.263	.750	.16	3/8	124.30	10043	50

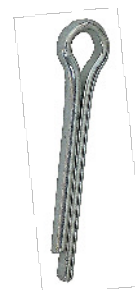
NON-THREADED FASTENERS

(BULK PACKAGING)

COTTER PINS - LARGER SIZES (Plain)



CODE NO	SIZE	NOM SIZE OF BASIC PIN DIA	TOTAL SHANK MIN/ MAX	WIRE WIDTH MIN/MAX	HEAD DIA	EXT PRONG LENGTH	HOLE SIZE	WGT/ M	UPC CODE	PCS/ BAG
CPL1000	3/8X7	3/8	.335/.329	.335/.263	.750	.16	3/8	200	10044	1
CPL1100	3/8X8	3/8	.335/.329	.335/.263	.750	.16	3/8	225	10045	1
CPL2000	1/2X7	1/2	.473/.467	.473/.373	1.0	.23	1/2	400	10046	1
CPL2100	1/2X8	1/2	.473/.467	.473/.373	1.0	.23	1/2	450	10047	1
CPL3000	5/8X3	5/8	.598/.590	.598/.472	1.25	.30	11/16	398	10048	1
CPL3100	5/8X3-1/2	5/8	.598/.590	.598/.472	1.25	.30	11/16	441	10049	1
CPL3200	5/8X4	5/8	.598/.590	.598/.472	1.25	.30	11/16	484	10050	1
CPL3300	5/8X5	5/8	.598/.590	.598/.472	1.25	.30	11/16	570	10051	1
CPL3400	5/8X6	5/8	.598/.590	.598/.472	1.25	.30	11/16	648	10052	1
CPL3500	5/8X7	5/8	.598/.590	.598/.472	1.25	.30	11/16	723	10053	1
CPL3600	5/8X8	5/8	.598/.590	.598/.472	1.25	.30	11/16	852	10054	1
CPL4000	3/4X3	3/4	.723/.715	.723/.572	1.5	.36	13/16	540	10055	1
CPL4100	3/4X3-1/2	3/4	.723/.715	.723/.572	1.5	.36	13/16	590	10056	1
CPL4200	3/4X4	3/4	.723/.715	.723/.572	1.5	.36	13/16	650	10057	1
CPL4300	3/4X5	3/4	.723/.715	.723/.572	1.5	.36	13/16	760	10058	1
CPL4400	3/4X6	3/4	.723/.715	.723/.572	1.5	.36	13/16	850	10059	1
CPL4500	3/4X7	3/4	.723/.715	.723/.572	1.5	.36	13/16	919	10060	1
CPL4600	3/4X8	3/4	.723/.715	.723/.572	1.5	.36	13/16	1027	10061	1



HITCH PIN CLIPS - EXTERNAL (Zinc Plated)

A general purpose snap on clip made of MB spring wire used for countless commercial & industrial requirements.



CODE NO	SIZE	WIRE DIA	INSIDE EYE DIA	GROOVE DIA	OVERALL LENGTH	WGT/M	UPC CODE	PCS/ BAG
EHP0200	5X	.035	1/8	5/32	1/2	.25	20000	100
EHP0400	16X	.047	7/64	3/16	19/32	.63	20001	100
EHP0600	2X	.062	3/16	3/8	1	2.00	20002	100
EHP0800	12X	.062	5/32	5/16	3/4	1.39	20003	100
EHP1000	7X	.105	7/16	25/32	2-1/16	10.75	20004	100
EHP2000	10X	.177	3/4	11/16	2-3/4	42.00	20005	100



HITCH PIN CLIPS (Zinc Plated)

Another general purpose clip used extensively in the agricultural market.



CODE NO	SIZE	WIRE DIA	INSIDE EYE DIA	OVERALL LENGTH	DRILL HOLE SIZE	SHAFT DIA MIN/MAX	WGT/M	UPC CODE	PCS/ BAG
HP0400	3/64	.042	1/4	1	3/64	3/16-1/4	.88	25000	100
HP0600	1/16	.062	5/16	1-5/16	5/64	1/4-1/2	2.50	25001	100
HP0800	5/64	.080	1/4	1-3/16	3/32	1/4-3/8	3.75	25002	100
HP1000	3/32A	.093	3/8	1-5/8	7/64	1/4-1/2	7.00	25003	100
HP1100	3/32B	.093	5/8	2-5/16	7/64	1/4-5/8	10.00	25004	100
HP2000	1/8A	.125	7/16	1-15/16	9/64	1/2-3/4	14.75	25005	100
HP2100	1/8B	.125	9/16	2-9/16	9/64	7/16-3/4	19.50	25006	100
HP3000	5/32	.148	3/4	2-7/8	5/32	3/4-1-1/8	36.00	25007	100
HP4000	3/16	.177	15/16	3-1/4	3/16	5/8-1	51.50	25008	100
HP5000	1/4	.243	15/16	4	17/64	3/4-1	115.00	25009	50
HP6000	5/16	.310	7/8	4-1/16	21/64	7/8-1	175.00	25010	25



**HITCH PIN CLIPS (Stainless Steel)**

Another general purpose clip used extensively in the agricultural market.



CODE NO	SIZE	WIRE DIA	INSIDE EYE DIA	OVERALL LENGTH	DRILL HOLE SIZE	SHAFT DIA MIN/MAX	WGT/M	UPC CODE	PCS/BAG
SHP0400	3/64	.042	1/4	1	3/64	3/16-1/4	.88	25020	100
SHP0600	1/16	.062	5/16	1-5/16	5/64	1/4-1/2	2.50	25021	100
SHP0800	5/64	.080	1/4	1-3/16	3/32	1/4-3/8	3.75	25022	100
SHP1000	3/32A	.093	3/8	1-5/8	7/64	1/4-1/2	7.00	25023	100
SHP1100	3/32B	.093	5/8	2-5/16	7/64	1/4-5/8	10.00	25024	100
SHP2000	1/8A	.125	7/16	1-15/16	9/64	1/2-3/4	14.75	25025	100
SHP2100	1/8B	.125	9/16	2-9/16	9/64	7/16-3/4	19.50	25026	100
SHP3000	5/32	.148	3/4	2-7/8	5/32	3/4-1-1/8	36.00	25027	100
SHP4000	3/16	.177	15/16	3-1/4	3/16	5/8-1	51.50	25028	100
SHP5000	1/4	.243	15/16	4	17/64	3/4-1	115.00	25029	50

**DOUBLE LOOP HITCH PIN CLIPS (Zinc Plated)**

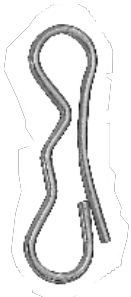
The double loop Hitch Pin Clip adds flexibility for a wider fit range. Stresses are evenly spread throughout the loop giving longer life and more repeatability. Made of hard drawn MB spring wire, zinc plated, and baked. High quality.



CODE NO	SIZE	WIRE DIA	INSIDE EYE DIA	OVERALL LENGTH	DRILL HOLE SIZE	WGT/M	UPC CODE	PCS/BAG
DL1000	5/64	.080	7/16	2-1/4	3/32	8.00	25035	100
DL2000	1/8	.125	5/8	2-7/8	9/64	29.50	25036	100
DL3000	5/32	.148	3/4	3-1/8	5/32	44.00	25037	100
DL3200	5/32	.148	7/8	3-3/4	5/32	49.00	25038	100

**BOW TIE CLIPS (Zinc Plated)**

Works like a hitch pin clip, but locks itself on. Push or pull the clip leg into the hole & it snaps into a tension lock position.



CODE NO	USE ON SHAFT DIA	WIRE DIA	RECOMMENDED MIN HOLE DIA	OVERALL LENGTH	MIN LOOP ID	WGT/C	UPC CODE	PCS/BAG
BT1000	1/4 3/8	.072	3/32(.094) 5/32(.156)	1.375	.250	.41	99601	100
BT2000	5/16 3/8	.091	7/64(.109) 1/8(.125)	1.875	.375	.92	99602	100
BT3000	7/16 1/2	.120	9/64(.141) 5/32(.156)	2.750	.563	2.22	99603	50
BT3100	5/8	.120	5/32(.156)	2.750	.562	2.22	99604	50
BT3200	3/4	.120	5/32(.156)	2.750	.562	2.22	99605	50
BT4000	5/8	.148	13/64 (.203)	3.625	.687	3.67	99606	25
BT4100	3/4	.148	13/64 (.203)	3.625	.687	4.14	99607	25
BT5000	1	.177	7/32 (.218)	4.562	.875	6.69	99608	25

NON-THREADED FASTENERS

(BULK PACKAGING)

CIRCLE COTTER (Zinc Plated & Stainless Steel)

Manufactured from MB spring wire. Thread the wire end (inside the ring) into the hole in the shaft and turn until ring snaps in place. To remove, turn again in the same direction.



CODE NO	OUTSIDE DIAMETER	WIRE DIAMETER	USE ON DIAMETER	WGT/M	UPC CODE	PCS/ BAG
CC1000	5/8	.048	3/16 - 1/4	1.4	18000	100
CC1200	3/4	.048	1/4 - 5/16	1.6	18001	100
CC1400	1	.062	3/8 - 7/16	4.0	18002	100
CC1600	1-1/8	.072	7/16 - 1/2	5.8	18003	100
SCC1000	5/8	.048	3/16 - 1/4	1.4	18004	100
SCC1200	3/4	.048	1/4 - 5/16	1.6	18005	100
SCC1400	1	.062	3/8 - 7/16	4.0	18006	100
SCC1600	1-1/8	.072	7/16 - 1/2	5.8	18007	100



LYNCH PINS (Zinc Plated - Yellow)

Made from C1010 carbon steel. The over the center ring loop attached to the head, snaps down hard to hold the fastener in place.

Imported

CODE NO	CAT	PIN DIA	USABLE LENGTH	SHAFT LENGTH	OVERALL LENGTH	TYPE	WGT/EA	UPC CODE	PCS/BAG
LP0800	O	3/16	1	1-3/8	1-5/8	STD	.025	36000	25
LP1000	I & II	1/4	1-1/4	1-3/4	2-1/8	STD	.074	36001	25
LP1200	I & II	5/16	1-1/4	1-3/4	2-1/8	STD	.100	36002	25
LP1300	I & II	3/8	2-1/8	2-1/2	2-15/16	STD	.10	36007	25
LP1400	I & II	7/16	1-1/4	1-3/4	2	STD	.105	36003	25
LP1600	I & II	7/16	1-1/4	1-3/4	2	W/CHAIN	.155	36004	10
LP1800	I,II,&III	7/16	1-1/2	1-3/4	2-1/8	BLK RING HD	.128	36005	10



TWIST PINS (Galvanized)

A new twist for the replacement of the standard hitch pin clip. Easy to install, easy to remove, self locking, no more lost pins.



CODE NO	SIZE	WIRE DIA	FITS ON SHAFT DIA	LOOP DIA	WGT/C	UPC CODE	PCS/ BAG
TP1000	3/32	.092	1/4-5/16-3/8	25/32	2.00	60003	100
TP2000	5/32	.156	1/2-9/16-5/8	1-1/8	3.96	60000	100



QUICK REPAIR (Zinc Plated)

No dis-assembly is needed. Excess play can be taken up easily without dismantling. Simply place over shaft in designated location. Pound tabs down firmly w/hammer.



CODE NO	SIZE	OD	WGT/C	UPC CODE	PCS/BAG
QR1000	3/4X1/8	1-3/4	6.62	50000	10
QR1200	7/8X1/8	1-7/8	7.65	50001	10
QR1400	1X1/8	2	8.48	50002	10
QR1600	1-1/8X1/8	2-1/8	9.02	50003	10
QR1800	1-1/4X1/8	2-1/4	9.10	50004	10
QR2000	1-3/8X1/8	2-3/8	9.88	50005	10
QR2200	1-1/2X1/8	2-1/2	10.38	50006	10
QR2400	1-3/4X1/8	2-3/4	12.40	50007	10
QR2600	2X1/8	3	13.42	50008	10



Imported

MACHINERY BUSHINGS - NARROW RIM (Plain)

Washers with different gage thickness to use as shims. Bushings available with UPC codes, individually labeled.
Contact us for details.



CODE NO	SIZE	OD	WGT/C	UPC CODE	PCS/BAG
MBN1000	9/16X18 GA	1	.58	45000	25
MBN1200	5/8X18 GA	1	.60	45001	25
MBN1400	3/4X18 GA	1-1/4	1.00	45002	25
MBN1600	3/4X14 GA	1-1/4	1.55	45003	25
MBN1800	3/4X10 GA	1-1/4	2.65	45004	10
MBN2000	7/8X18 GA	1-3/8	1.20	45005	25
MBN2200	7/8X14 GA	1-3/8	1.80	45006	25
MBN2400	7/8X10 GA	1-3/8	3.00	45007	10
MBN2600	1X18 GA	1-1/2	1.30	45008	25
MBN2800	1X14 GA	1-1/2	2.00	45009	25
MBN3000	1X10 GA	1-1/2	3.35	45010	10
MBN3200	1-1/8X18 GA	1-3/4	1.75	45011	25
MBN3400	1-1/8X14 GA	1-3/4	3.05	45012	25
MBN3600	1-1/8X10 GA	1-3/4	5.00	45013	10
MBN3800	1-1/4X18 GA	1-7/8	2.00	45014	25
MBN4000	1-1/4X14 GA	1-7/8	3.10	45015	25
MBN4200	1-1/4X10 GA	1-7/8	5.25	45016	10
MBN4400	1-3/8X18 GA	2-1/8	2.70	45017	25
MBN4600	1-3/8X14 GA	2-1/8	4.55	45018	25
MBN4800	1-3/8X10 GA	2-1/8	7.15	45019	10
MBN5000	1-1/2X14 GA	2-1/4	4.75	45020	25
MBN5200	1-1/2X10 GA	2-1/4	8.35	45021	10
MBN5400	1-3/4X14 GA	2-1/2	5.25	45022	25
MBN5600	1-3/4X10 GA	2-1/2	9.10	45023	10
MBN5800	1-7/8X14 GA	2-7/8	7.70	45024	25
MBN6000	1-7/8X10 GA	2-7/8	13.35	45025	10
MBN6200	2X14 GA	3	8.35	45026	25
MBN6400	2X10 GA	3	14.25	45027	10
MBN6600	2-1/8X14 GA	3-1/8	9.10	45028	25
MBN6800	2-1/8X10 GA	3-1/8	16.70	45029	10
MBN7000	2-1/4X14 GA	3-1/4	10.00	45030	25
MBN7200	2-1/4X10 GA	3-1/4	18.20	45031	10

Imported

MACHINERY BUSHINGS - WIDE RIM (Plain)

Washers with different gage thickness to use as shims. Bushings available with UPC codes, individually labeled.
Contact us for details.



CODE NO	SIZE	OD	WGT/C	UPC CODE	PCS/BAG
MBW1000	3/4X18 GA	1-1/2	1.80	46000	25
MBW1200	7/8X18 GA	1-3/4	2.40	46001	25
MBW1400	1X18 GA	2	3.20	46002	25
MBW1600	1-1/8X18 GA	2-1/8	3.45	46003	25
MBW1800	1-1/4X18 GA	2-1/4	3.85	46004	25
MBW2000	1-3/8X18 GA	2-1/2	4.75	46005	25
MBW2200	1-1/2X14 GA	3	10.10	46006	25
MBW2400	1-3/4X14 GA	3-1/4	11.95	46007	25
MBW2600	2X14 GA	3-1/2	13.50	46008	25

NON-THREADED FASTENERS

(BULK PACKAGING)

RING COTTER (Zinc Plated)

Surrounds the shaft. Automatic lock makes this one of the safest cotters available today.
Best used in light to medium applications. The install is fast and done without tools.



CODE NO	FITS SHAFT SIZE	ID OF CIRCLE	WIRE DIA	OVER ALL	AUTO LOCK	MAN LOCK	WGT/C	UPC CODE	PCS/BAG
CR1000	1/4 HEAVY	.267/.257	.041	.844	.082	.123	.11	18026	100
CR1200	1/4 EXTRA HEAVY	.270/.260	.054	.936	.108	.162	.18	18027	100
CR1400	5/16 REGULAR	.330/.320	.047	1.044	.094	.141	.18	18028	100
CR1600	3/8 REGULAR	.392/.382	.054	1.214	.108	.162	.23	18029	100
CR1800	1/2 REGULAR	.520/.510	.062	1.420	.124	.186	.41	18030	100
CR2000	1/2 HEAVY	.520/.510	.072	1.456	.144	.216	.68	18031	100
CR2200	5/8 REGULAR	.645/.635	.072	1.690	.144	.216	.79	18032	100
CR2400	3/4 REGULAR	.770/.760	.080	2.081	.160	.240	1.00	18033	100
CR2600	3/4 HEAVY	.770/.760	.091	2.166	.182	.273	1.30	18034	100
CR2800	7/8 HEAVY	.895/.885	.105	2.506	.210	.315	2.06	18035	100
CR3000	1 REGULAR	1.020/1.010	.105	2.756	.210	.315	2.28	18036	100

CLEVIS PINS - MACHINE (Plain)

Known as corn picker pins. Commonly used in the agricultural & industrial application.
Made from C1010 & C1018 material.



CODE NO	SIZE	BASIC SHANK	HEAD DIA	HEAD HEIGHT	STD HOLE	EFFEC LGTH TO CENTER OF PIN HOLE	EFFEC LGTH TO EDGE OF PIN HOLE	WGT/ C	UPC CODE	PCS/BAG
MP1000	3/16X1	3/16	.32-.30	.07-.05	3/32	29/32	55/64	.82	41000	25
MP1200	3/16X1-1/2	3/16	.32-.30	.07-.05	3/32	1-13/32	1-23/64	1.22	41001	25
MP1400	3/16X2	3/16	.32-.30	.07-.05	3/32	1-29/32	1-55/64	1.59	41002	25
MP2000	1/4X3/4	1/4	.38-.36	.10-.08	3/32	21/32	39/64	1.20	41003	25
MP2100	1/4X1	1/4	.38-.36	.10-.08	3/32	29/32	55/64	1.54	41004	25
MP2200	1/4X1-1/4	1/4	.38-.36	.10-.08	3/32	1-5/32	1-7/64	1.87	41005	25
MP2300	1/4X1-1/2	1/4	.38-.36	.10-.08	3/32	1-13/32	1-23/64	2.22	41006	25
MP2400	1/4X1-3/4	1/4	.38-.36	.10-.08	3/32	1-21/32	1-39/64	2.56	41007	25
MP2500	1/4X2	1/4	.38-.36	.10-.08	3/32	1-29/32	1-55/64	2.86	41008	25
MP2600	1/4X2-1/4	1/4	.38-.36	.10-.08	3/32	2-5/32	2-7/64	3.23	41009	25
MP2700	1/4X2-1/2	1/4	.38-.36	.10-.08	3/32	2-13/32	2-23/64	3.56	41010	25
MP2800	1/4X3	1/4	.38-.36	.10-.08	3/32	2-29/32	2-55/64	4.13	41011	25
MP2900	1/4X3-1/2	1/4	.38-.36	.10-.08	3/32	3-13/32	3-23/64	4.87	41012	25
MP3000	5/16X1	5/16	.44-.42	.10-.08	1/8	55/64	25/32	2.43	41013	25
MP3100	5/16X1-1/4	5/16	.44-.42	.10-.08	1/8	1-7/64	1-1/32	2.92	41014	25
MP3200	5/16X1-1/2	5/16	.44-.42	.10-.08	1/8	1-23/64	1-9/32	3.44	41015	25
MP3300	5/16X1-3/4	5/16	.44-.42	.10-.08	1/8	1-39/64	1-17/32	3.98	41016	25
MP3400	5/16X2	5/16	.44-.42	.10-.08	1/8	1-55/64	1-25/32	4.51	41017	25
MP3500	5/16X2-1/4	5/16	.44-.42	.10-.08	1/8	2-7/64	2-1/32	5.06	41018	25
MP3600	5/16X2-1/2	5/16	.44-.42	.10-.08	1/8	2-23/64	2-9/32	5.47	41019	25
MP3700	5/16X2-3/4	5/16	.44-.42	.10-.08	1/8	2-39/64	2-17/32	6.08	41020	25
MP3800	5/16X3	5/16	.44-.42	.10-.08	1/8	2-55/64	2-25/32	6.52	41021	25
MP3900	5/16X4	5/16	.44-.42	.10-.08	1/8	3-55/64	3-25/32	8.61	41022	25
MP4000	3/8X1	3/8	.51-.49	.13-.11	5/32	27/32	49/64	3.51	41023	10
MP4100	3/8X1-1/4	3/8	.51-.49	.13-.11	5/32	1-3/32	1-1/64	4.33	41024	10
MP4200	3/8X1-1/2	3/8	.51-.49	.13-.11	5/32	1-11/32	1-17/64	5.06	41025	10
MP4300	3/8X1-3/4	3/8	.51-.49	.13-.11	5/32	1-19/32	1-33/64	5.84	41026	10
MP4400	3/8X2	3/8	.51-.49	.13-.11	5/32	1-27/32	1-49/64	6.50	41027	10
MP4500	3/8X2-1/4	3/8	.51-.49	.13-.11	5/32	2-3/32	2-1/64	7.13	41028	10
MP4600	3/8X2-1/2	3/8	.51-.49	.13-.11	5/32	2-11/32	2-17/64	8.08	41029	10
MP4700	3/8X3	3/8	.51-.49	.13-.11	5/32	2-27/32	2-49/64	9.48	41030	10
MP4800	3/8X3-1/2	3/8	.51-.49	.13-.11	5/32	3-11/32	3-17/64	11.20	41031	10
MP5000	7/16X1-1/2	7/16	.57-.55	.16-.14	5/32	1-11/32	1-17/64	7.14	41032	10
MP5100	7/16X1-3/4	7/16	.57-.55	.16-.14	5/32	1-19/32	1-33/64	8.20	41033	10
MP5200	7/16X2	7/16	.57-.55	.16-.14	5/32	1-27/32	1-49/64	9.19	41034	10
MP5300	7/16X2-1/4	7/16	.57-.55	.16-.14	5/32	2-3/32	2-1/64	10.43	41035	10
MP5400	7/16X2-1/2	7/16	.57-.55	.16-.14	5/32	2-11/32	2-17/64	11.30	41036	10
MP5500	7/16X2-3/4	7/16	.57-.55	.16-.14	5/32	2-19/32	2-33/64	12.25	41037	10
MP5600	7/16X3	7/16	.57-.55	.16-.14	5/32	2-27/32	2-49/64	13.40	41038	10
MP6000	1/2X2	1/2	.63-.61	.16-.14	5/32	1-27/32	1-49/64	12.88	41039	10
MP6100	1/2X2-1/2	1/2	.63-.61	.16-.14	5/32	2-11/32	2-17/64	14.32	41040	10
MP6200	1/2X3	1/2	.63-.61	.16-.14	5/32	2-27/32	2-49/64	17.08	41041	10
MP6300	1/2X3-1/2	1/2	.63-.61	.16-.14	5/32	3-11/32	3-17/64	19.74	41042	10
MP6400	1/2X4	1/2	.63-.61	.16-.14	5/32	3-27/32	3-49/64	22.36	41043	10
MP6500	1/2X4-1/2	1/2	.63-.61	.16-.14	5/32	4-11/32	4-17/64	24.96	41044	10
MP6600	1/2X5	1/2	.63-.61	.16-.14	5/32	4-27/32	4-49/64	27.60	41045	10
MP6700	1/2X6	1/2	.63-.61	.16-.14	5/32	5-27/32	5-49/64	31.00	41046	10

**UNIVERSAL PINS - ADJUSTABLE (Plain)**

When you are unsure of the length this is the pin to use. Multiple holes to take the guess work out.



CODE NO	SIZE	NO OF HOLE	BASIC SHANK	SHANK DIA	HEAD DIA	HEAD HEIGHT	HEAD CHAMF	STD HOLE	WGT/C	UPC CODE	PCS/BAG
UP1200	3/16X2	5	3/16	.186-.181	.32-.30	.07-.05	.02	3/32	1.70	80001	10
UP2200	1/4X2	7	1/4	.248-.243	.38-.36	.10-.08	.03	7/64	3.00	80003	10
UP2400	1/4X3	7	1/4	.248-.243	.38-.36	.10-.08	.03	7/64	4.50	80004	10
UP3000	5/16X1	3	5/16	.311-.306	.44-.42	.10-.08	.03	7/64	2.45	80005	10
UP3200	5/16X2	7	5/16	.311-.306	.44-.42	.10-.08	.03	7/64	4.60	80006	10
UP3400	5/16X3	7	5/16	.311-.306	.44-.42	.10-.08	.03	7/64	6.85	80007	10
UP4000	3/8X1	3	3/8	.373-.368	.51-.49	.13-.11	.03	9/64	3.70	80008	10
UP4200	3/8X1-1/2	5	3/8	.373-.368	.51-.49	.13-.11	.03	9/64	5.25	80009	10
UP4400	3/8X2	7	3/8	.373-.368	.51-.49	.13-.11	.03	9/64	6.75	80010	10
UP4600	3/8X3	7	3/8	.373-.368	.51-.49	.13-.11	.03	9/64	9.75	80011	10
UP5000	7/16X2	7	7/16	.436-.431	.57-.55	.16-.14	.04	5/32	9.25	80012	10
UP5200	7/16X3	7	7/16	.436-.431	.57-.55	.16-.14	.04	5/32	13.00	80013	10
UP6000	1/2X2	7	1/2	.469-.491	.63-.61	.16-.14	.04	5/32	12.00	80014	10
UP6200	1/2X3	7	1/2	.469-.491	.63-.61	.16-.14	.04	5/32	17.25	80015	10
UP6400	1/2X4	7	1/2	.469-.491	.63-.61	.16-.14	.04	5/32	22.50	80016	10
UP7000	5/8X2	7	5/8	.621-.616	.82-.80	.21-.19	.06	5/32	20.00	80017	10
UP7200	5/8X3	7	5/8	.621-.616	.82-.80	.21-.19	.06	5/32	28.10	80018	10
UP7400	5/8X4	7	5/8	.621-.616	.82-.80	.21-.19	.06	5/32	35.60	80019	10

**COTTERLESS CLEVIS PINS (Zinc Plated)**

Self-locking and reusable, the Cotterless Clevis Pin proves itself in countless applications. Made of zinc plated steel, with a stainless steel ball which resists corrosion and provides for long life. The locking ball mechanism, as shown can be inserted at various depths for extra versatility. Cotterless Clevis Pins are also available in larger diameters and other materials.



CODE NO	SIZE	BASIC SHANK	HEAD DIA	HEAD HEIGHT	STD HOLE	EFFEC LGTH UNDER HEAD TO BALL	WGT/C	UPC CODE	PCS/BAG
CMP1000	3/16X1	3/16	.32-.30	.07-.05	3/32	13/16	.82	41050	10
CMP1200	3/16X2	3/16	.32-.30	.07-.05	3/32	1-13/16	1.22	41051	10
CMP1400	3/16X3	3/16	.32-.30	.07-.05	3/32	2-13/16	1.59	41052	10
CMP2000	1/4X1	1/4	.38-.36	.10-.08	3/32	3/4	1.20	41053	10
CMP2200	1/4X2	1/4	.38-.36	.10-.08	3/32	1-3/4	1.87	41054	10
CMP2400	1/4X3	1/4	.38-.36	.10-.08	3/32	2-3/4	2.56	41055	10
CMP3000	5/16X1	5/16	.44-.42	.10-.08	1/8	5/8	2.43	41057	10
CMP4000	3/8X1	3/8	.51-.49	.13-.11	5/32	5/8	3.51	41059	10
CMP4200	3/8X2	3/8	.51-.49	.13-.11	5/32	1-5/8	5.06	41060	10
CMP4400	3/8X3	3/8	.51-.49	.13-.11	5/32	2-5/8	6.50	41061	10
CMP4600	3/8X4	3/8	.51-.49	.13-.11	5/32	3-5/8	8.08	41062	10
CMP5200	1/2X2	7/16	.57-.55	.16-.14	5/32	1-1/2	9.19	41063	10
CMP5400	1/2X3	7/16	.57-.55	.16-.14	5/32	2-1/2	11.30	41064	10

SPRING LOCK PINS (Zinc Plated)

An all purpose fastener designed to compress within standard drilled holes. Heat treated to give high shear strengths & increased spring.



CODE NO	SIZE	PIN DIA NOM	MAX DIA GO RING GAGE	D1 +D2 +D3	MAX	NOM	WALL THICK NESS	RECOMMENDED HOLE SIZE MIN/MAX	MIN DOUBLE SHEAR STRENGTH IN #S	WGT /M	UPC CODE	PCS/ BAG
SL1000	1/16X3/8	.062	.069	.066	.059	.011	.012	.062/.065	430	.19	57000	25
SL1200	1/16X1/2	.062	.069	.066	.059	.011	.012	.062/.065	430	.26	57001	25
SL1400	1/16X5/8	.062	.069	.066	.059	.011	.012	.062/.065	430	.32	57002	25
SL1600	1/16X3/4	.062	.069	.066	.059	.011	.012	.062/.065	430	.39	57003	25
SL2000	5/64X3/8	.078	.086	.083	.075	.014	.018	.078/.081	800	.41	57004	25
SL2200	5/64X1/2	.078	.086	.083	.075	.014	.018	.078/.081	800	.54	57005	25
SL2400	5/64X3/4	.078	.086	.083	.075	.014	.018	.078/.081	800	.79	57006	25
SL2600	5/64X1	.078	.086	.083	.075	.014	.018	.078/.081	800	1.05	57007	25
SL3000	3/32X1/2	.094	.103	.099	.091	.018	.022	.094/.097	1150	.71	57008	25
SL3200	3/32X3/4	.094	.103	.099	.091	.018	.022	.094/.097	1150	1.05	57009	25
SL3400	3/32X1	.094	.103	.099	.091	.018	.022	.094/.097	1150	1.39	57010	25
SL4000	1/8X1/2	.125	.135	.131	.122	.024	.028	.125/.129	1875	1.19	57011	25
SL4100	1/8X5/8	.125	.135	.131	.122	.024	.028	.125/.129	1875	1.49	57012	25
SL4200	1/8X3/4	.125	.135	.131	.122	.024	.028	.125/.129	1875	1.80	57013	25
SL4300	1/8X1	.125	.135	.131	.122	.024	.028	.125/.129	1875	2.42	57014	25
SL4400	1/8X1-1/4	.125	.135	.131	.122	.024	.028	.125/.129	1875	3.06	57015	25
SL4500	1/8X1-1/2	.125	.135	.131	.122	.024	.028	.125/.129	1875	3.70	57016	25
SL4600	1/8X1-3/4	.125	.135	.131	.122	.024	.028	.125/.129	1875	4.35	57017	25
SL4700	1/8X2	.125	.135	.131	.122	.024	.028	.125/.129	1875	5.01	57018	25
SL5000	3/16X1/2	.187	.199	.194	.182	.036	.040	.187/.192	4150	2.51	57019	25
SL5100	3/16X5/8	.187	.199	.194	.182	.036	.040	.187/.192	4150	3.19	57020	25
SL5200	3/16X3/4	.187	.199	.194	.182	.036	.040	.187/.192	4150	3.85	57021	25
SL5300	3/16X1	.187	.199	.194	.182	.036	.040	.187/.192	4150	5.19	57022	25
SL5400	3/16X1-1/8	.187	.199	.194	.182	.036	.040	.187/.192	4150	5.86	57023	25
SL5500	3/16X1-1/4	.187	.199	.194	.182	.036	.040	.187/.192	4150	6.53	57024	25
SL5600	3/16X1-1/2	.187	.199	.194	.182	.036	.040	.187/.192	4150	7.86	57025	25
SL5700	3/16X1-3/4	.187	.199	.194	.182	.036	.040	.187/.192	4150	9.20	57026	25
SL5800	3/16X2	.187	.199	.194	.182	.036	.040	.187/.192	4150	10.54	57027	25
SL6000	1/4X5/8	.250	.264	.258	.245	.042	.048	.250/.256	7050	4.92	57028	25
SL6100	1/4X3/4	.250	.264	.258	.245	.042	.048	.250/.256	7050	6.21	57029	25
SL6200	1/4X1	.250	.264	.258	.245	.042	.048	.250/.256	7050	8.56	57030	25
SL6300	1/4X1-1/8	.250	.264	.258	.245	.042	.048	.250/.256	7050	9.74	57031	25
SL6400	1/4X1-1/4	.250	.264	.258	.245	.042	.048	.250/.256	7050	10.71	57032	25
SL6500	1/4X1-1/2	.250	.264	.258	.245	.042	.048	.250/.256	7050	13.27	57033	25
SL6600	1/4X1-3/4	.250	.264	.258	.245	.042	.048	.250/.256	7050	15.62	57034	25
SL6700	1/4X2	.250	.264	.258	.245	.042	.048	.250/.256	7050	17.98	57035	25
SL6800	1/4X2-1/2	.250	.264	.258	.245	.042	.048	.250/.256	7050	22.68	57036	25
SL7000	5/16X1	.312	.330	.321	.306	.060	.062	.312/.318	10800	13.39	57037	10
SL7100	5/16X1-1/8	.312	.330	.321	.306	.060	.062	.312/.318	10800	15.14	57038	10
SL7200	5/16X1-1/4	.312	.330	.321	.306	.060	.062	.312/.318	10800	16.90	57039	10
SL7300	5/16X1-1/2	.312	.330	.321	.306	.060	.062	.312/.318	10800	20.40	57040	10
SL7400	5/16X1-3/4	.312	.330	.321	.306	.060	.062	.312/.318	10800	24.02	57041	10
SL7500	5/16X2	.312	.330	.321	.306	.060	.062	.312/.318	10800	27.53	57042	10
SL7600	5/16X2-1/2	.312	.330	.321	.306	.060	.062	.312/.318	10800	34.55	57043	10
SL7700	5/16X3	.312	.330	.321	.306	.060	.062	.312/.318	10800	41.57	57044	10
SL8000	3/8X1	.375	.395	.385	.368	.060	.077	.375/.382	16300	19.80	57045	10
SL8100	3/8X1-1/2	.375	.395	.385	.368	.060	.077	.375/.382	16300	30.50	57046	10
SL8200	3/8X2	.375	.395	.385	.368	.060	.077	.375/.382	16300	41.20	57047	10
SL8300	3/8X2-1/2	.375	.395	.385	.368	.060	.077	.375/.382	16300	51.90	57048	10
SL8400	3/8X3	.375	.395	.385	.368	.060	.077	.375/.382	16300	62.60	57049	10
SL8500	3/8X3-1/2	.375	.395	.385	.368	.060	.077	.375/.382	16300	73.30	57050	10
SL8600	3/8X4	.375	.395	.385	.368	.060	.077	.375/.382	16300	84.00	57051	10



**SPRING LOCK PINS - COILED (Plain)**

Standard duty pins are made from C1070-1090 carbon steel & are heat treated to RC46-53.
Stainless steel, heavy duty are available as a special order.

CODE NO	SIZE	NOMINAL SIZE OF BASIC PIN	DIAMETER MIN/MAX	MAT THICK NESS	RECOMMEND HOLE SIZE MIN/MAX	MIN DOUBLE SHEAR STRENGTH IN #'S	WGT /C	UPC CODE	PCS/BAG
CSL1000	1/6X1/2	1/16	.072/.067	.005	.061/.065	330	.03	11000	25
CSL1200	1/16X1	1/16	.072/.067	.005	.061/.065	330	.05	11001	25
CSL2000	5/64X1/2	5/64	.088/.083	.006	.077/.081	550	.04	11002	25
CSL2200	5/64X1	5/64	.088/.083	.006	.077/.081	550	.08	11003	25
CSL3000	3/32X1/2	3/32	.105/.099	.007	.093/.097	775	.06	11004	25
CSL3200	3/32X1	3/32	.105/.099	.007	.093/.097	775	.12	11005	25
CSL3400	3/32X1-1/2	3/32	.105/.099	.007	.093/.097	775	.18	11006	25
CSL4000	1/8X1	1/8	.138/.131	.010	.124/.129	1400	.21	11007	25
CSL4200	1/8X1-1/2	1/8	.138/.131	.010	.124/.129	1400	.32	11008	25
CSL4400	1/8X2	1/8	.138/.131	.010	.124/.129	1400	.43	11009	25
CLS5000	5/32X1	5/32	.171/.163	.012	.155/.160	2200	.32	11010	25
CSL5200	5/32X1-1/2	5/32	.171/.163	.012	.155/.160	2200	.48	11011	25
CSL5400	5/32X2	5/32	.171/.163	.012	.155/.160	2200	.64	11012	25
CSL6000	3/16X1	3/16	.205/.196	.016	.185/.192	3150	.48	11013	25
CSL6200	3/16X1-1/2	3/16	.205/.196	.016	.185/.192	3150	.72	11014	25
CSL6400	3/16X2	3/16	.205/.196	.016	.185/.192	3150	.96	11015	25
CSL7000	7/32X1	7/32	.238/.228	.018	.217/.224	4200	.64	11016	25
CSL7200	7/32X2	7/32	.238/.228	.018	.217/.224	4200	1.28	11017	25
CSL8000	1/4X1	7/32	.238/.228	.018	.217/.224	4200	.82	11018	25
CSL8200	1/4X1-1/2	1/4	.271/.260	.021	.247/.256	5500	1.23	11019	25
CSL8400	1/4X2	1/4	.271/.260	.021	.247/.256	5500	1.64	11020	25
CSL8600	1/4X2-1/2	1/4	.271/.260	.021	.247/.256	5500	1.28	11021	10
CSL9000	5/16X1	5/16	.337/.324	.025	.308/.319	8700	1.44	11022	10
CSL9200	5/16X2	5/16	.337/.324	.025	.308/.319	8700	2.56	11023	10
CSL9400	5/16X3	5/16	.337/.324	.025	.308/.319	8700	3.84	11024	10



Imported &

**SET SCREWS - HEX SOCKET (Plain)**

CODE NO	SIZE	THREADS PER INCH	WGT/C	UPC CODE	PCS/BAG
SS1000	10-24x3/16	24	.08	96000	25
SS1200	10-24X1/4	24	.12	96001	25
SS1400	10-24X5/16	24	.15	96002	25
SS1600	10-24X3/8	24	.19	96003	25
SS2000	1/4-20X3/16	20	.12	96004	25
SS2100	1/4-20X1/4	20	.16	96005	25
SS2200	1/4-20X5/16	20	.22	96006	25
SS2300	1/4-20X3/8	20	.28	96007	25
SS2400	1/4-20X1/2	20	.41	96008	25
SS2600	1/4-20X3/4	20	.64	96009	25
SS3000	5/16-18X1/4	18	.27	96010	25
SS3100	5/16-18X5/16	18	.33	96011	25
SS3200	5/16-18X3/8	18	.42	96012	25
SS3300	5/16-18X1/2	18	.65	96013	25
SS3400	5/16-18X5/8	18	.81	96014	25
SS4000	3/8-16X5/16	16	.55	96015	25
SS4200	3/8-16X3/8	16	.60	96016	25
SS4400	3/8-16X1/2	16	.84	96017	25
SS4600	3/8-16X3/4	16	1.34	96018	25



NON-THREADED FASTENERS

(BULK PACKAGING)

SET COLLARS (Zinc Plated)

Uses a hardened set screw to penetrate the shaft to achieve grip. Other sizes available from 1/8 to 4-15/16. Call for availability. Also available in stainless steel.

Imported

CODE NO	SIZE (ID)	OD	WIDTH	WGT/C	UPC CODE	PCS/BAG
SC1000	3/8	3/4	3/8	3.13	56000	8
SC1200	1/2	1	7/16	6.88	56001	8
SC1400	5/8	1-1/8	1/2	9.38	56002	8
SC1600	3/4	1-1/4	9/16	11.88	56003	8
SC1800	7/8	1-1/2	9/16	15.00	56004	6
SC2000	15/16	1-5/8	9/16	20.63	56005	6
SC2200	1	1-5/8	5/8	23.13	56006	6
SC2400	1-1/8	1-3/4	5/8	24.38	56007	6
SC2600	1-3/16	2	11/16	37.50	56008	6
SC2800	1-1/4	2	11/16	36.25	56009	6
SC3000	1-3/8	2-1/8	3/4	40.62	56010	4
SC3200	1-7/16	2-1/4	3/4	47.50	56011	4
SC3400	1-1/2	2-1/4	3/4	46.25	56012	4

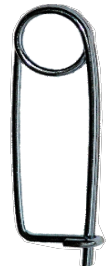


SAFETY PINS (Zinc Plated)

An unusual fastener for large & small holes & clearance lengths. Used for large application requiring quick-release safety catches. Made of MB spring wire.



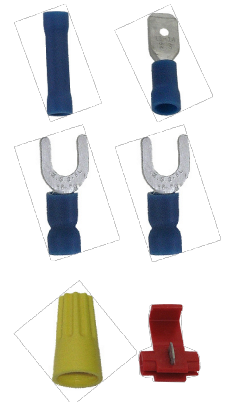
CODE NO	SIZE	OVERALL LENGTH	USABLE LENGTH	INSIDE WIDTH	WIRE DIA	WGT/C	UPC CODE	PCS/BAG
SAF1000	3/64	1-9/16	15/16	3/8	.047	.25	58000	25
SAF1200	1/16	1-3/4	1-1/16	3/8	.058	.50	58001	25
SAF1400	3/32	2-3/4	1-11/16	5/8	.091	1.75	58002	25
SAF1600	1/8	4-3/8	2-13/16	13/16	.120	4.25	58003	25
SAF1800	5/32	5-3/4	3-3/4	1-1/8	.148	9.13	58004	25
SAF2000	5/32 W/CH	5-3/4	3-3/4	1-1/8	.148	9.50	58005	25
SAF2200	3/16	5-11/16	3	1-1/2	.177	15.0	58006	10
SAF2400	1/4	5-3/4	5	1-5/8	.243	33.0	58007	10
SAF2600	1/4	9	5	2-1/4	.243	37.0	58008	10



TERMINALS - AUTOMOTIVE/TRAILER (Soderless)

Imported

CODE NO	SIZE	WGT/M	UPC CODE	PCS/BAG
QC1000	QUICK CONNECTS 16-14 (.250)F	2.00	88000	100
QC1200	QUICK CONNECTS 16-14 (.250)M	2.00	88001	100
BC1400	BUTT CONNECTORS 22-16	2.00	88002	100
BC1600	BUTT CONNECTORS 16-14	2.00	88003	100
BC1800	BUTT CONNECTORS 12-10	2.00	88004	100
R2000	RING 22-16(10)	2.00	88005	100
R2200	RING 16-14(10)	2.00	88006	100
R2400	RING 16-14(1/4)	2.00	88007	100
R2600	RING 12-10(10)	2.00	88008	100
R2800	RING 12-10(3/8)	2.00	88009	100
S3000	SPADE 16-14(10)	2.00	88010	100
S3200	SPADE 12-10(10)	2.00	88011	100
CT4000	CABLE TIE 5-1/2	2.00	88012	100
CT4200	CABLE TIE 8	1.64	88013	100
CT4400	CRIMPING TOOL-4 WAY	2.98	88014	1
WS1000	WIRE NUTS 22-16 (GREY)	2.00	89000	100
WS1200	WIRE NUTS 22-14 (BLUE)	2.00	89001	100
WS1400	WIRE NUTS 18-12 (YELLOW)	2.00	89002	100
TC1600	TAP CONNECTORS 22-16(RED)	2.00	89003	100
TC1800	TAP CONNECTORS 16-14 (BLUE)	2.00	89004	100



**WOODRUFF KEYS (Plain)**

CODE NO	SIZE	WIDTH X LENGTH	WGT/C	UPC CODE	PCS/BAG
WK1000	#3	1/8X1/2	.25	90000	10
WK1200	#5	1/8X5/8	.39	90001	10
WK1400	#7	1/8X3/4	.61	90002	10
WK2000	#11	3/16X7/8	1.30	90003	10
WK2200	#13	3/16X1	1.70	90004	10
WK2400	#16	3/16X1-1/8	2.20	90005	10
WK3000	#91	1/4X3/4	1.20	90006	10
WK3100	#A	1/4X7/8	1.70	90007	10
WK3200	#15	1/4X1	2.30	90008	10
WK3300	#18	1/4X1-1/8	2.90	90009	10
WK3400	#21	1/4X1-1/4	3.60	90010	10
WK3500	#22	1/4X1-3/8	4.30	90011	10
WK3600	#24	1/4X1-1/2	5.00	90012	10
WK4000	#C	5/16X1-1/8	3.60	90013	10
WK4200	#D	5/16X1-1/4	4.50	99014	10
WK4400	#23	5/16X1-3/8	5.40	90015	10
WK4600	#25	5/16X1-1/2	6.30	90016	10
WK5000	#152	3/8X1	3.60	90017	10
WK5200	#E	3/8X1-1/4	5.40	90018	10
WK5400	#F	3/8X1-3/8	6.50	90019	10
WK5600	#G	3/8X1-1/2	7.50	90020	10

**RIVETS (Plain)**

Solid Rivets. Made from low carbon steel.



CODE NO	SIZE	USED ON	HEAD STYLE	WGT/C	UPC CODE	PCS/BAG
RT1000	3/16X2-3/8	WAGON BOXES	TRUSS	2.50	68000	100
RT2000	1/4X2-7/16	WAGON BOXES	TRUSS	3.57	68001	100
RT3000	5/16X3/4	MANURE SPREADERS	FLAT	4.00	68002	100
RT3200	5/16X1	MANURE SPREADERS	FLAT	3.18	68003	100
RT4000	3/8X1	MANURE SPREADERS	FLAT	4.87	68004	100

**KEY STOCK 3" (Zinc Plated)**

Standard key stock cut to 3" lengths from C1018 material. Call for other sizes.



CODE NO	SIZE	WGT/PC	UPC CODE	NO OF PCS
KS1030	1/8X1/8X3	.02	30000	10
KS1230	3/16X3/16X3	.03	30001	10
KS1430	1/4X1/4X3	.05	30002	10
KS1630	5/16X5/16X3	.08	30003	10
KS1830	3/8X3/8X3	.12	30004	5
KS2230	1/2X1/2X3	.22	30005	5

**KEY STOCK 12" (Zinc Plated)**

Standard key stock cut to 12" lengths from C1018 material. Call for other sizes.



CODE NO	SIZE	WGT/PC	UPC CODE	NO OF PCS
KS1000	1/8X1/8X12	.05	31000	12
KS1200	3/16X3/16X12	.12	31001	12
KS1400	1/4X1/4X12	.21	31002	12
KS1600	5/16X5/16X12	.33	31003	9
KS1800	3/8X3/8X12	.48	31004	9
KS2000	7/16X7/16X12	.65	31005	4
KS2200	1/2X1/2X12	.85	31006	4
KS2400	5/8X5/8X12	1.13	31007	2
KS2600	3/4X3/4X12	1.75	31008	2

NON-THREADED FASTENERS

(BULK PACKAGING)

O-RINGS (Nitrile Material)

Nitrile is resistant to petroleum, silicone greases, hydraulic fluids, & alcohol. Nitrile possesses tensile strength, elongation properties, heat resistant & resists abrasion. Call for other sizes.



CODE NO	SIZE	SIZE	ID	OD	WIDTH	DURO-METER	USED ON/REMARKS	WGT/C	UPC CODE	PCS/BAG
OR1000	211N70	211	.813	1.062	.125	70	1/2 Coupling (Universal Ag Hyd)	.28	47000	100
OR1200	212N70Q	212	.875	1.125	.125	70	Quattro(JD, Pioneer, & Safeway)	.32	47001	100
OR3000	908N90	908	.644	.818	.087	90	ORB Hyd Adap 3/4-16	.32	47002	100
OR3200	910N90	910	.755	.949	.097	90	ORB Hyd Adap 7/8-14	.41	47003	100



GREASE FITTINGS - HYDRAULIC (Zinc Plated-Yellow)

The most common sizes listed for most applications. Call for additional sizes & styles.

Imported

CODE NO	SIZE/THREAD SHANK	HEIGHT	SHANK	HEX	WGT/C	UPC CODE	PCS/BAG
HG1000	1/8-NPT(S)	5/8	1/4	7/16	1.30	26000	100
HG1200	1/8-NPT(45)	63/64	17/64	7/16	2.50	26001	100
HG1600	1/8-NPT-(90)	13/16	17/64	7/16	2.80	26002	100
HG1800	1/4-28(S)	35/64	13/64	5/16	.60	26003	100
HG2000	1/4-28(45)	7/8	13/64	3/8	1.65	26004	100
HG2200	1/4-28(90)	11/16	13/64	3/8	1.85	26005	100
HG2400	3/16-DRIVE(S)	1/2	13/64	5/16	.50	26006	100
HG2600	1/4-DRIVE(S)	1/2	13/64	5/16	.60	26007	100
HG2800	5/16-DRIVE(S)	37/64	7/32	3/32	.70	26008	100
HG3000	1/4-NPT(S)	51/64	23/64	9/16	3.50	26009	100



LINKAGE BUSHINGS (Zinc Plated-Yellow)

Imported

CODE NO	CAT	DESCRIPTION	ID	OD	OVERALL	WGT/EA	UPC CODE	PCS/BAG
LB1000	I TO II	TOP LINK	3/4	1	2	.18	35000	10
LB1500	II TO III	TOP LINK	1	1-1/4	2	.24	35001	10
LB2000	I TO II	LIFT ARM	7/8	1-1/8	1-3/4	.19	35002	10
LB2500	II TO III	LIFT ARM	1-1/8	1-7/16	1-3/4	.28	35003	10
LB2750	II TO III	LIFT ARM W/ HOLES	1-1/8	1-7/16	2-1/2	.50	35004	10



TARP STRAPS (Black)

These straps are manufactured in the United States, assuring wear & dependability by the user.



CODE NO	SIZE	OVERALL LENGTH W/2 S-HOOK	S-HOOK SIZE	WORKING DISTANCE	WGT/C	UPC CODE	PCS/BAG
TST0900	9	14	2-1/2	10-14	20.00	95000	10
TST1500	15	19	2-1/2	17-19	20.00	95001	10
TST2000	20	24	2-1/2	24-26	24.00	95002	10
TST2400	24	29	2-1/2	30-34	32.00	95003	10
TST3100	31	35	2-1/2	43-48	36.00	95004	10



**GRIP CLIPS (Zinc Plated)**

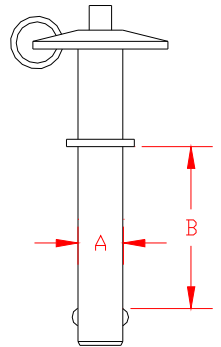
CODE NO	SIZE	WIRE DIA	FITS ON SHAFT DIA	OVERALL LENGTH	INSIDE DIA. OF EYE	WGT/C	UPC CODE	PCS/BAG
GC1000	1/8	.125	3/8 - 5/8	2	7/16	14.75	23000	100
GC2000	1/8	.125	7/16 - 3/4	2-9/16	9/16	19.50	23001	100
GC3000	5/32	.148	5/8 - 1	2-3/4	3/4	32.00	23002	100
GC4000	3/16	.177	7/8 - 1-1/4	3-3/4	15/16	59.00	23003	100

**POSITIVE LOCK PINS (Zinc Plated - Yellow)**

Positive Lock Pins have a push button that initiates ball action and retraction. Positive locking design combines secure fastening with "quick release" ease of removal. Double ball design increases retention capabilities. The unique design features both a one-piece, cold formed body and spindle for increased durability. Stocked in Heat Treat, Zinc (Yellow).



CODE NO	PIN DIA(A)	USABLE LENGTH(B)	WGT/ C	UPC CODE	PCS/CTN
PL1000	1/4	1/2	2.84	99151	10
PL1200	1/4	3/4	3.19	99152	10
PL1400	1/4	1	3.54	99153	10
PL1600	1/4	1-1/4	3.89	99154	10
PL1800	1/4	1-1/2	4.24	99155	10
PL2000	5/16	1	5.37	99156	10
PL2200	5/16	1-1/4	5.90	99157	10
PL2400	5/16	1-1/2	6.42	99158	10
PL2600	5/16	1-3/4	6.94	99159	10
PL2800	5/16	2	7.44	99160	10
PL3000	3/8	1	7.70	99161	10
PL3100	3/8	1-1/4	8.48	99162	10
PL3200	3/8	1-1/2	9.25	99163	10
PL3300	3/8	1-3/4	10.03	99164	10
PL3400	3/8	2	10.80	99165	10
PL3500	3/8	2-1/4	11.58	99166	10
PL3600	3/8	2-1/2	12.35	99167	10
PL4000	1/2	1	13.65	99168	10
PL4100	1/2	1-1/2	16.45	99169	10
PL4200	1/2	1-3/4	17.85	99170	10
PL4300	1/2	2	19.25	99171	10
PL4400	1/2	2-1/2	22.05	99172	10
PL4500	1/2	3	24.85	99173	10
PL4600	1/2	3-1/2	27.65	99174	10



ORDERING INFORMATION (TERMS AND CONDITIONS)

Terms: Payment of merchandise is net cash, check with order, or Credit Card, unless approved credit with Wilson Manufacturing Company has been established. 2% - 10 days / (from date of invoice) Net 30 days. Discount applied on net amount of invoice only. All accounts over 30 days are subject to a 1-1/2% per month finance charge.

Minimum Order: We ask that all orders are at least \$50.00, due to cost of filing, shipping, billing, etc.

Prices: All prices are subject to change without notice. Possession of the price list does not automatically entitle holder to purchase at those prices.

Ordering: Use your customer number/code number/product description for easy and fast processing of your order.

Freight: All shipments are made FOB Pipestone, MN.

Freight Claims: Any damages, shortages, or losses incurred in transit are the buyers responsibility. The buyer must file a claim with the carrier.

Packing: Orders received for less than the standard package quantity will be automatically increased to meet the minimum package quantity, unless customer has approved a 10% breakage charge. Any shortages must be reported to us within 10 days of receipt of product, if not no replacements will be issued or shortages accepted.

Merchandise Returns: In the event you have to return material to us, please call for a Return Authorization Number listing the reason for the return. To help insure proper and prompt credit, please return material by UPS or an authorized common carrier on larger shipments. All transportation charges are to be paid by the customer. Credit for returned merchandise shall be issued at prices paid, less restocking charge (20%). Parts must be returned within 30 days of shipment date.

Warranty: All Wilson Manufactured products are guaranteed against defect in material and workmanship. Wilson Warranty of our product applies to all items listed for a period of one year from date of retail sale. Any items found defective should be returned to our factory prepaid and will be replaced without charge. Items that show obvious misuse or abuse will not be replaced.

4 EASY WAYS TO ORDER

- | | |
|--|--|
| 1. CALL
Toll-Free (800) 728-6145
International (507) 825-2069 | 3. MAIL
Wilson Manufacturing Company
PO Box 366
Pipestone, MN 56164 |
| 2. FAX
(507) 825-4653 | 4. E-MAIL
Quotes/Questions: sales@wilsonmfgco.com
Orders: orders@wilsonmfgco.com |





MANUFACTURER OF THE ORIGINAL WILSON SAFETY HITCH PIN

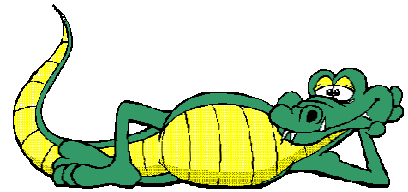
DBA DOUTY MANUFACTURING INC
PO BOX 366
PIPESTONE, MN 56164

STD MAIL
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PERMIT NO 19
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CHANGE SERVICE REQUESTED

LARGE HANDLE HITCH PINS W/LANYARD & LYNCH OR WIRE LOCK PIN

**A deal so good you'll want
to sink your teeth into it!**



The Large Handle Hitch Pin has many uses:

- It has a large handle that swivels, with a heavy duty washer welded onto the pin.
- C1144 material used which gives you a shear factor of 69,300 psi.
- A hole is drilled in the lower end of the pin for a lynch pin or wire lock pin preventing the loss of the keeper.
- Aircraft Cable 7x7, Galv, Nylon Coated Cable used.
- Made in USA.
- Zinc Plated.
- See Page 1 for pin specifications

