

# MAINTENANCE KITS



**27 Convenient Kits  
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Toolroom, or Tool Box.**



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# HITCH PINS



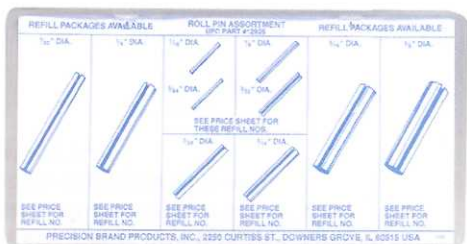
**Reusable, quick release pins for fast assembly and disassembly. Made of spring steel to maintain tension.**

### Contents:

60	1/16"	#18
30	3/32"	# 3
20	3/32"	# 7
20	1/8"	#16
15	5/32"	#10
5	3/16"	# 6

**150 total pieces  
UPC No. 12915**

# ROLL PINS



**Made of flexible spring steel, cold rolled, hardened and tempered. Chamfered ends simplify insertion.**

### **Contents:**

1/16", 5/64", 3/32", 1/8", 5/32", 3/16",  
7/32", 1/4", 5/16" & 3/8" diameters.

Four (4) lengths included for each diameter.

**300 total pieces**  
**UPC No. 12925**

# METRIC ROLL PINS

**NEW**



**Made of flexible spring steel, cold rolled, hardened and tempered. Chamfered ends simplify insertion. All sizes in millimeters.**

### Contents:

10 1.5x6	8 3x24	8 5x18	5 8x20
10 1.5x10	8 3x30	8 5x26	5 8x30
10 1.5x12	8 3x40	8 5x30	5 8x40
10 1.5x20	7 4x10	8 5x40	5 8x50
10 2x6	7 4x18	8 5x50	5 8x65
10 2x10	7 4x22	7 6x20	5 10x40
10 2x12	7 4x26	7 6x24	3 10x45
10 2x20	7 4x30	7 6x30	3 10x50
8 3x10	7 4x40	7 6x40	3 10x65
8 3x18	8 5x14	7 6x50	3 10x80

**287 total pieces  
UPC No. 12960**

**NEW**

# CLEVIS PINS



**Pins are made from cold formed 1008 to 1018 low carbon steel. Plated finish extends life and chamfered hole allows for easy insertion.**

### Contents:

6 3/16" x 1"	3 1/4" x 2-1/2"	2 5/16" x 2-1/2"
7 1/4" x 1"	6 5/16" x 1"	2 5/16" x 2-3/4"
4 1/4" x 1-1/4"	4 5/16" x 1-1/4"	5 3/8" x 1"
7 1/4" x 1-1/2"	5 5/16" x 1-1/2"	4 3/8" x 1-1/2"
4 1/4" x 1-3/4"	4 5/16" x 1-3/4"	2 3/8" x 2"
6 1/4" x 2"	3 5/16" x 2"	2 1/2" x 1-1/2"
3 1/4" x 2-1/4"	2 5/16" x 2-1/4"	2 1/2" x 2"

**83 total pieces  
UPC No. 13965**

# COTTER PINS



**Strong and flexible plated steel pins with one prong extended for easy insertion and bending. Pins also have chisel point ends.**

### **Contents:**

130	1/16" x 1"
100	1/8" x 1 1/4"
80	1/8" x 2"
150	3/32" x 1"
100	3/32" x 1 3/4"
40	5/32" x 2 1/2"

**600 total pieces**  
**UPC No. 12905**

# TAPER PINS



Made from 1215 and 12L14 steel. These pins are mainly used for hole alignment in maintenance machinery. They are tapered 1/4" per foot.

## Contents:

2 #0 x 3/4"	2 #2 x 1"	2 #3 x 2-1/2"	3 #5 x 1-3/4"
2 #0 x 1"	3 #2 x 1-1/4"	2 #3 x 2-3/4"	2 #5 x 2"
3 #0 x 1-1/4"	3 #2 x 1-1/2"	1 #3 x 3"	1 #5 x 2-1/4"
3 #0 x 1-1/2"	2 #2 x 1-3/4"	2 #4 x 1"	1 #5 x 2-1/2"
2 #0 x 1-3/4"	3 #2 x 2"	2 #4 x 1-1/4"	1 #5 x 2-3/4"
2 #1 x 3/4"	2 #2 x 2-1/4"	3 #4 x 1-1/2"	1 #5 x 3"
3 #1 x 1"	3 #3 x 1"	3 #4 x 1-3/4"	2 #6 x 1-1/2"
3 #1 x 1-1/4"	3 #3 x 1-1/4"	1 #4 x 2"	2 #6 x 1-3/4"
3 #1 x 1-1/2"	3 #3 x 1-1/2"	1 #4 x 2-1/4"	2 #6 x 2"
2 #1 x 1-3/4"	3 #3 x 1-3/4"	1 #4 x 2-3/4"	1 #6 x 2-1/4"
2 #1 x 2"	3 #3 x 2"	1 #4 x 3"	1 #6 x 2-3/4"
2 #2 x 3/4"	2 #3 x 2-1/4"	2 #5 x 1-1/2"	1 #6 x 3"

100 total pieces  
UPC No. 12907



# WOODRUFF KEYS



**Precise, zinc plated steel keys used for pulleys and drive shaft applications.**

### Contents:

10 1/16" x 3/8"	20 1/8" x 1/2"	5 3/16" x 5/8"
10 1/16" x 1/2"	30 1/8" x 5/8"	20 3/16" x 3/4"
20 3/32" x 3/8"	20 1/8" x 3/4"	5 3/16" x 7/8"
20 3/32" x 1/2"	40 5/32" x 5/8"	5 7/32" x 7/8"
10 3/32" x 5/8"	10 5/32" x 3/4"	5 1/4" x 3/4"
10 1/8" x 3/8"	5 5/32" x 7/8"	5 1/4" x 7/8"

**250 total pieces  
UPC No. 12940**

# STAINLESS WOODRUFF KEYS



Precise, 316 stainless steel keys used for pulley and drive shaft applications where corrosion resistance is a factor.

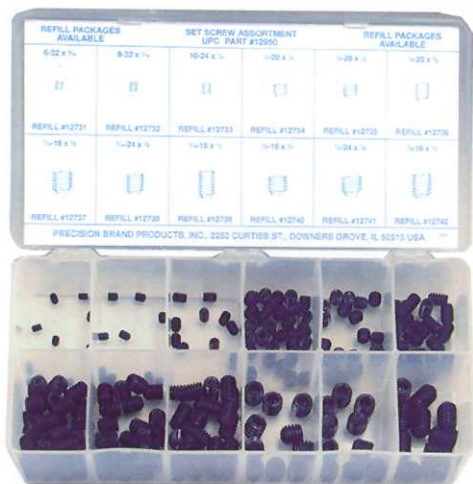
## Contents:

5 1/16" x 3/8"	4 3/16" x 5/8"
5 3/32" x 3/8"	4 1/8" x 3/4"
5 1/8" x 3/8"	4 5/32" x 3/4"
5 1/16" x 1/2"	4 3/16" x 3/4"
5 3/32" x 1/2"	4 1/4" x 3/4"
5 1/8" x 1/2"	3 3/16" x 7/8"
4 1/8" x 5/8"	3 1/4" x 7/8"
4 5/32" x 5/8"	2 1/2" x 1"

66 total pieces  
UPC No. 13970

**NEW**

# SET SCREWS



**Alloy steel set screws with hexagon recessed heads. Ends have cup points for positive torque.**

### Contents:

10 6-32 x 3/16"	30 5/16"-18 x 3/8"
10 8-32 x 3/16"	20 5/16"-24 x 3/8"
10 10-24 x 1/4"	20 5/16"-18 x 1/2"
30 1/4"-20 x 1/4"	10 3/8"-16 x 3/8"
20 1/4"-28 x 1/4"	10 3/8"-24 x 3/8"
20 1/4"-20 x 3/8"	10 3/8"-16 x 1/2"

**200 total pieces  
UPC No. 12950**

# METRIC SET SCREWS



**These alloy steel, metric set screws have hexagon recessed heads. Ends have cup points for positive torque.**

## Contents:

25 M3 x 0.5mm x 3mm	25 M5 x 0.8mm x 12mm
25 M3 x 0.5mm x 6mm	25 M6 x 1.0mm x 6mm
25 M3 x 0.5mm x 10mm	25 M6 x 1.0mm x 8mm
25 M4 x 0.7mm x 4mm	25 M6 x 1.0mm x 10mm
25 M4 x 0.7mm x 6mm	25 M8 x 1.25mm x 8mm
25 M4 x 0.7mm x 10mm	25 M8 x 1.25mm x 12mm
25 M5 x 0.8mm x 5mm	25 M8 x 1.25mm x 16mm
25 M5 x 0.8mm x 8mm	

**375 total pieces  
UPC No. 12975**

# SOCKET HEAD CAP SCREWS



These alloy steel socket head screws have hexagon recessed heads.

## Contents:

10 6-32 x 1/2"	10 1/4-20 x 1/2"
10 6-32 x 1"	10 1/4-20 x 3/4"
10 8-32 x 1/2"	10 1/4-20 x 1"
10 8-32 x 3/4"	10 1/4-20 x 1 1/4"
10 8-32 x 1"	10 1/4-20 x 1 1/2"
10 10-32 x 1/2"	10 1/4-28 x 3/4"
10 10-32 x 3/4"	10 1/4-28 x 1"
10 10-32 x 1"	10 1/4-28 x 1 1/4"
10 10-24 x 1/2"	10 1/4-28 x 1 1/2"
10 10-24 x 1"	

**190 total pieces**  
**UPC No. 12970**

# METRIC SOCKET HEAD CAP SCREWS



**These alloy steel metric cap screws have hexagon recessed heads.**

### Contents:

25 M4 x 0.7mm x 10mm	10 M6 x 1.0mm x 20mm
25 M4 x 0.7mm x 12mm	10 M6 x 1.0mm x 25mm
25 M4 x 0.7mm x 20mm	10 M6 x 1.0mm x 30mm
25 M4 x 0.7mm x 25mm	10 M6 x 1.0mm x 40mm
25 M5 x 0.8mm x 12mm	10 M8 x 1.25mm x 20mm
25 M5 x 0.8mm x 20mm	10 M8 x 1.25mm x 25mm
10 M5 x 0.8mm x 25mm	10 M8 x 1.25mm x 30mm
10 M5 x 0.8mm x 30mm	3 M8 x 1.25mm x 40mm
10 M6 x 1.0mm x 12mm	2 M8 x 1.25mm x 45mm

**255 total pieces**  
**UPC No. 12980**

# PLASTIC HOSE CLAMPS



**These clamps are heat stabilized for motor applications, lightweight and corrosion resistant.**

## Contents:

12 - .228" x .256"	10 - .702" x .801"
12 - .307" x .342"	10 - .779" x .899"
12 - .351" x .394"	8 - .859" x .989"
12 - .404" x .452"	8 - .928" x 1.072"
12 - .449" x .511"	6 - .985" x 1.135"
12 - .513" x .586"	6 - 1.123" x 1.296"
10 - .569" x .650"	6 - 1.218" x 1.405"
10 - .616" x .707"	

**146 total pieces  
UPC No. 12965**

# E CLIPS



**External clips, made of plated spring carbon steel to retain positive retention of pulleys, sprockets, springs and bearings on shafts and rods.**

## **Contents:**

30	1/8"	30	1/4"	20	1/2"
20	5/32"	30	5/16"	15	5/8"
30	3/16"	30	3/8"	10	3/4"
20	7/32"	25	7/16"	5	7/8"

**265 total pieces**  
**UPC No. 12910**



# METRIC E CLIPS

**NEW**



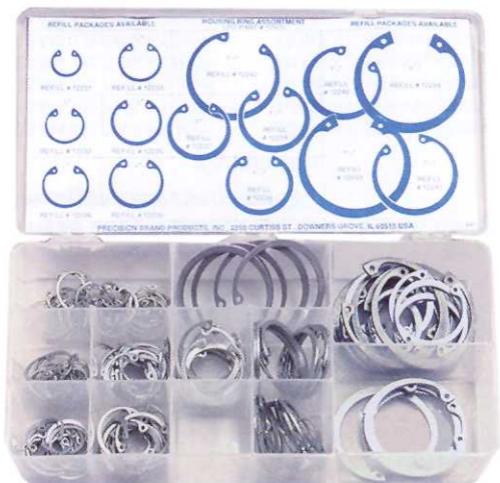
**External metric size clips, made of spring steel with a black phosphate finish, retain positive retention of pulleys, sprockets, springs and bearings on shafts and rods. Meets DIN 6799.**

#### Contents:

35	1.2mm	15	5mm	10	12mm
30	1.5mm	15	6mm	15	15mm
30	1.9mm	10	7mm	5	19mm
25	2.3mm	10	8mm	5	24mm
20	3.2mm	10	9mm		
15	4.0mm	5	10mm		

**255 total pieces  
UPC No. 13990**

# HOUSING RINGS



**Internal rings made from zinc plated spring steel have tapered design which maintains constant pressure to prevent slippage of axles, gears and bearings inside machinery housing.**

### Contents:

15 1/2"		10 1 1/4"
15 5/8"	15 7/8"	5 1 3/8"
15 11/16"	10 1"	5 1 1/2"
15 3/4"	10 1 1/16"	5 1 5/8"
15 13/16"	10 1 1/8"	5 1 3/4"

**150 total pieces**  
**UPC No. 12920**

# METRIC HOUSING RINGS



Internal, metric size rings made from spring steel with black phosphate finish have tapered design to maintain constant pressure to prevent slippage of axles, gears and bearings inside machinery housing. Meets DIN 472.

## Contents:

20 10mm	10 19mm	8 30mm
15 11mm	12 20mm	8 32mm
20 12mm	10 22mm	5 35mm
18 14mm	10 24mm	3 36mm
15 15mm	8 25mm	3 37mm
18 16mm	5 26mm	5 38mm
12 18mm	8 28mm	5 40mm

**NEW**

218 total pieces  
UPC No. 13985

# SNAP RINGS



**External, spring steel snap rings used to retain pulleys, gears or wheels on shafts.**

## Contents:

30	1/4"	30	5/8"
20	5/16"	35	3/4"
50	3/8"	10	13/16"
20	7/16"	20	7/8"
50	1/2"	10	1"
20	9/16"	5	1 1/4"

**300 total pieces  
UPC No. 12900**

# METRIC SNAP RINGS



External, black phosphate coated, metric size spring steel snap rings used to retain pulleys, gears or wheels on shafts. Meets DIN 471.

## Contents:

25	6mm	15	15mm	10	24mm
20	8mm	20	16mm	10	25mm
15	9mm	10	17mm	5	28mm
20	10mm	15	18mm	5	30mm
20	11mm	10	19mm	5	32mm
20	12mm	15	20mm	5	35mm
10	13mm	10	21mm		
20	14mm	10	22mm		

295 total pieces  
**UPC No. 13980**

**NEW**

# RETAINING RINGS



Similar to housing rings, these external, zinc plated, spring steel rings accommodate components with large chamfers and radii.

## Contents:

20	1/2"	15	3/4"
20	9/16"	10	7/8"
20	19/32"	10	1"
20	5/8"	10	1 1/4"
15	11/16"		

140 total pieces  
**UPC No. 12935**

# O RINGS



**Made of BUNA-N 70 durometer rubber compound. Creates a tight seal for fluid or gas connections.**

140 pcs. - 1/16" body:

- 3/32 x 7/32 #005
- 1/8 x 1/4 #006
- 5/32 x 9/32 #007
- 3/16 x 5/16 #008
- 7/32 x 11/32 #009
- 1/4 x 3/8 #010
- 5/16 x 7/16 #011
- 3/8 x 1/2 #012

## Contents:

80 pcs. - 3/32" body:

- 3/8 x 9/16 #110
- 7/16 x 5/8 #111
- 1/2 x 11/16 #112
- 9/16 x 3/4 #113
- 5/8 x 13/16 #114
- 11/16 x 7/8 #115

80 pcs. - 1/8" body:

- 3/4 x 1 #210
- 13/16 x 1 1/16 #211
- 7/8 x 1 1/8 #212
- 15/16 x 1 3/16 #213
- 1 x 1 1/4 #214
- 1 1/16 x 1 5/16 #215
- 1 1/8 x 1 3/8 #216
- 1 1/4 x 1 1/2 #218
- 1 3/8 x 1 5/8 #220
- 1 1/2 x 1 3/4 #222

**300 total pieces  
UPC No. 12930**

**NEW**

# METRIC O RINGS



**Made of BUNA-N 70 durometer rubber compound these metric size rings create a tight seal for fluid and gas connections.**

2mm body:

- 15 3mm I.D.
- 15 4mm I.D.
- 15 5mm I.D.
- 15 6mm I.D.
- 15 8mm I.D.
- 15 10mm I.D.
- 15 12mm I.D.
- 10 14mm I.D.
- 10 20mm I.D.

## **Contents:**

2.5mm body:

- 15 10mm I.D.
- 15 12mm I.D.
- 15 14mm I.D.
- 15 15mm I.D.
- 15 16mm I.D.
- 10 17mm I.D.
- 10 19mm I.D.

3mm body:

- 15 19mm I.D.
- 15 20mm I.D.
- 15 22mm I.D.
- 15 24mm I.D.
- 10 25mm I.D.
- 10 27mm I.D.
- 10 28mm I.D.
- 10 30mm I.D.
- 10 32mm I.D.
- 5 33mm I.D.
- 5 35mm I.D.
- 5 36mm I.D.
- 5 38mm I.D.

**350 total pieces  
UPC No. 13995**



# MACHINERY KEYS



**Zinc plated steel, square keys have chamfered ends for easy insertion into keyways.**

### Contents:

- |                          |                          |
|--------------------------|--------------------------|
| 3 1/8" x 1/8" x 3/4"     | 5 1/4" x 1/4" x 1 1/2"   |
| 3 1/8" x 1/8" x 1"       | 5 5/16" x 5/16" x 1 1/4" |
| 5 3/16" x 3/16" x 3/4"   | 5 5/16" x 5/16" x 1 1/2" |
| 5 3/16" x 3/16" x 1"     | 5 3/8" x 3/8" x 1 1/4"   |
| 5 3/16" x 3/16" x 1 1/4" | 5 3/8" x 3/8" x 1 1/2"   |
| 5 1/4" x 1/4" x 3/4"     | 2 1/2" x 1/2" x 1 1/2"   |
| 5 1/4" x 1/4" x 1 1/4"   |                          |

**58 total pieces**  
**UPC No. 12955**

# GREASE FITTINGS



**These push type, plated fittings permit lubricant to flow while built-in ball, under spring pressure, prevents dirt from entering.**

## **Contents:**

- 30 1/4" 28-Straight
- 10 1/4" 28-45°
- 10 1/4" 28-90°
- 30 1/8" NPT-Straight
- 5 1/8" NPT-45°
- 5 1/8" NPT-90°

**90 total pieces**  
**UPC No. 12945**

# METRIC GREASE FITTINGS

**NEW**



**These metric size push type plated fittings permit lubricant to flow while built-in ball, under spring pressure, prevents dirt from entering.**

### **Contents:**

- 20 6mm x 1mm x Straight
- 10 6mm x 1mm x 45°
- 10 6mm x 1mm x 90°
- 20 8mm x 1mm x Straight
- 10 8mm x 1mm x 45°
- 10 8mm x 1mm x 90°
- 5 10mm x 1mm x Straight
- 5 10mm x 1mm x 45°
- 5 10mm x 1mm x 90°

**95 total pieces**  
**UPC No. 13975**

# ELECTRICAL TERMINALS



**High quality, *American made* terminals and connectors for industrial and automotive applications.**

## **Contents:**

- 30 Butt Connectors
- 20 Insulated Quick Slide Terminals
- 20 Non-insulated Quick Slide Terminals
- 5 Self-Splicing Connectors
- 40 Spade Terminals
- 60 Ring Terminals

**175 total pieces**  
**UPC No. 12985**

# DOWEL PINS



Made from alloy steel, these pins have a plain finish and are used to retain parts in a fixed position or to preserve alignment when extreme accuracy is required.

## Contents:

8 1/16" x 3/4"	6 1/4" x 1/2"	6 5/16" x 1-1/4"
6 1/8" x 3/8"	6 1/4" x 5/8"	6 5/16" x 1-1/2"
10 1/8" x 1/2"	10 1/4" x 3/4"	4 5/16" x 2"
6 1/8" x 3/4"	10 1/4" x 1"	10 3/8" x 1"
6 1/8" x 1"	8 1/4" x 1-1/4"	6 3/8" x 1-1/4"
8 3/16" x 1/2"	6 1/4" x 1-1/2"	8 3/8" x 1-1/2"
6 3/16" x 3/4"	6 5/16" x 3/4"	6 3/8" x 2"
8 3/16" x 1"	8 5/16" x 1"	4 1/2" x 1-1/2"
4 3/16" x 1-1/2"		4 1/2" x 2"

**176 total pieces**  
**UPC No. 12912**

97507-5/01-20M



**PRECISION BRAND PRODUCTS, INC.**  
2250 CURTISS STREET  
DOWNERS GROVE, IL 60515 USA  
PHONE: (630) 969-7200  
FAX: (630) 969-0310  
E-MAIL: [precisionbrand@pbrand.com](mailto:precisionbrand@pbrand.com)

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