

Bearings and Hardware

Seals

Retain lubrication and prevent dirt and debris entry. Standard on all tapered roller bearings. Also available in flat washer type for roller bearings.

Snap Rings

Internally expanding metal rings that lock into bore grooves to provide backing for ball or tapered roller bearings.

Ball Bearings

Easiest rolling bearing. Generally maintenance free. T-bushing available for most sizes.

T-Bushings

Metal T-shaped bushings used in ball bearing setups; allow axle to be tightened on caster legs without applying force to inner race of bearing.

Spacers

Used in tapered roller bearing setup; allow caster leg to apply required preload to tapered bearing cone.

Seals for Tapered Roller Bearings



Axle Size	O.D.	PART NUMBER
$\frac{3}{4}$	1.780	CR12178
	1.937	CR12193
1	1.980	CR16198
	2.437	CR16244
$1\frac{1}{4}$	2.326	CR20233
	2.437	CR20244
$1\frac{1}{2}$	2.717	CR24272
2	3.187	CR32319

Snap Rings



For Bore Size	PART NUMBER
1.780	SR12
1.980	SR16
2.437	SR16-1
2.326	SR20
2.717	SR20-1
3.187	SR32

Washer Seals



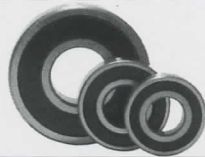
I.D.	O.D.	PART NUMBER
$\frac{3}{4}$	$1\frac{3}{16}$	WS1219
	$1\frac{3}{8}$	WS1222
1	$1\frac{7}{16}$	WS1623
	$1\frac{9}{16}$	WS1625
	$1\frac{15}{16}$	WS1631
$1\frac{1}{4}$	$1\frac{15}{16}$	WS2031
	$2\frac{7}{16}$	WS2039
$1\frac{1}{2}$	$2\frac{7}{16}$	WS2439

Metric Precision Ball Bearings



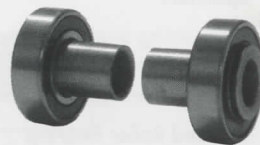
I.D.	O.D.	WIDTH	PART NUMBER
.6693/17mm	1.378/35mm	.3937/10mm	6003
.6693/17mm	1.575/40mm	.4724/12mm	6203
.7874/20mm	1.850/47mm	.5512/14mm	6204
.9843/25mm	2.047/52mm	.5902/15mm	6205
1.181/30mm	2.441/62mm	.6299/16mm	6206

Standard Precision Ball Bearings



I.D.	O.D.	WIDTH	PART NUMBER
$\frac{1}{2}$	1.1250	.2500	R8
$\frac{5}{8}$	1.3750	.2812	R10
$\frac{3}{4}$	1.6250	.3125	R12
1	2.000	.3750	R16
$1\frac{1}{4}$	2.250	.3750	R20

Top Hats/ T Bushings



I.D.	O.D. of Barrel	LENGTH*	PART NUMBER
$\frac{1}{2}$	.667	$1\frac{5}{16}$	TH081715
$\frac{1}{2}$	.667	$1\frac{7}{8}$	TH081719
$\frac{3}{4}$	.982	$1\frac{1}{2}$	TH122524
$\frac{3}{4}$	.982	$1\frac{3}{4}$	TH122528

* Two T bushings required per wheel length x 2 = overall

Spacer Washers



I.D.	O.D.	WIDTH	PART NUMBER
$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{4}$	SW081204
$\frac{3}{4}$	1	$\frac{3}{8}$	SW121606
1	$1\frac{1}{4}$	$\frac{3}{8}$	SW162006
	$1\frac{1}{4}$	$\frac{1}{2}$	SW162008
$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{1}{2}$	SW202408
$1\frac{1}{2}$	$1\frac{3}{4}$	$\frac{1}{2}$	SW242808
2	$2\frac{1}{4}$	$\frac{1}{2}$	SW323608