


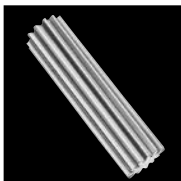
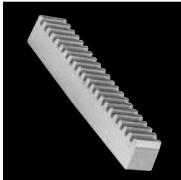






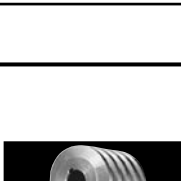






























# Gear Selection




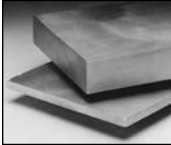



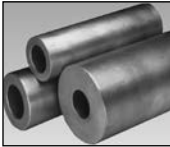
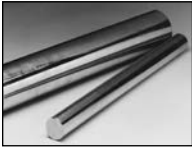




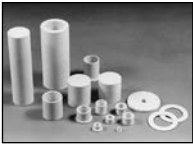








Stock Gears		Description	Application	Pressure Angle (PA)	Material		
Spur Gears		Pinions and Gears	Parallel Shafts	14-1/2° 20° 14-1/2° 20°	Brass Brass Steel Delrin		
		Pinions and Gears	Parallel Shafts	14-1/2° 14-1/2° 20°	Non-Metallic Steel, Iron Steel, Iron		
		Change Gears	Parallel Shafts	14-1/2°	Steel, Iron		
		Stem Pinions	Parallel Shafts	14-1/2°	Steel		
		Drawn Pinion Wire	Parallel Shafts	Brass 14-1/2°	Steel		
		Rack	Use with Spur Gears	14-1/2° 14-1/2° 20°	Nylon Steel Steel		
		Internal Gears	Parallel Shafts	14-1/2° 20°	Brass Brass		
Helical Gears		Helical Gears	Parallel and 90° Non-Intersecting Shafts	14-1/2°	Steel Bronze		
		Straight Miter Gears	90° Intersecting Shafts	20°	Nylon Brass Steel Iron		
Miter and Bevel Gears		Spiral Miter Gears	90° Intersecting Shafts	20°	Steel		
		Straight Bevel Gears	90° Intersecting Shafts	20°	Brass Steel Iron		
		Spiral Bevel Gears	90° Intersecting Shafts	20°	Steel		
		Worms/ Worm Gears	90° Non-Intersecting Shafts	(PA) 14-1/2°	Thread	Worm	Gear
Worms and Worm Gears		Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2° 20° 25°	Single Double Quad	Acetal Nylon	Acetal Minlon Bronze
		Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2° 20° 25°	Single Double Quad	Steel	Bronze
		Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2° 20° 25°	Single Double Quad	Steel	Iron

# Reference Guide



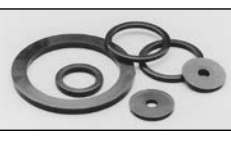

















Diametrical Pitch	Pitch Diameter	Face Width		Gear Catalog Reference Pages		
				Selection Procedure	Horsepower and Torque Ratings	Catalog Number Selection
48DP – 16DP 64DP – 24DP 32DP – 24DP 48DP – 24DP	.208" – 5.000" .250" – 6.000" .500" – 6.000" .375" – 2.500"	.062" – .313" .125" – .250" .187" – .250" .125" – .250"		49 49 49 49	50 – 52 – 50 –	18 – 21 37 – 42 19 – 20 37 – 42
16DP – 8DP 20DP – 3DP 20DP – 5DP	1.000" – 3.500" .750" – 36.000" .600" – 36.000"	.500" – 1.250" .500" – 3.000" .500" – 2.500"		49 49 49	52 – 55 51 – 57 58 – 62	22 – 24 20 – 27 42 – 46
20DP – 8DP	1.000" – 12.500"	.375" – 1.250"		49	51 – 55	28 – 32
20DP – 6DP	.287" – 1.750"	1.125" – 3.000"		49	51 – 56	33
48DP – 24DP 48DP – 24DP	.125" – .667" .125" – .667"	48" Lengths 48" Lengths		49 49	50 50	34 34
48DP – 24DP 48DP – 3DP 20DP – 4DP	.104" – .208" .104" – 1.167" .450" – 1.750"	.125" – .250" .125" – 3.000" .500" – 3.500"		49 49 49	50 50 – 57 58 – 62	35 35 47
48DP – 16DP 64DP – 24DP	1.000" – 6.000" 1.000" – 6.000"	.125" – .312" .125" – .250"		49 49	50 –	36 48
24TDP – 6TDP 8TDP – 6TDP	.333" – 6.000" 1.000" – 6.000"	.250" – 1.250" .750" – 1.250"		66 66	67 – 68 68	64 – 65 65
48DP – 16DP 48DP – 24DP 48DP – 4DP 8DP – 4DP	.312" – 2.000" .312" – 1.500" .375" – 7.000" 3.500" – 8.000"	.070" – .390" .080" – .230" .080" – 1.430" .750" – 1.333"		79 79 79 79	80 80 80 – 81 80 – 81	70 – 71 70 70 – 72 72
18DP – 5DP	1.000" – 5.000"	.220" – 1.150"		79	83	73
48DP – 24DP 20DP – 6DP 16DP – 4DP	.250" – 2.000" .500" – 6.000" 1.000" – 9.000"	.090" – .260" .180" – 1.070" .420" – 1.400"		79 79 79	82 82 82	74 74 – 77 75 – 77
30DP – 8DP	.430" – 4.250"	.140" – .710"		79	83	78
48DP – 32DP 24DP 48DP – 24DP	<b>Worm</b> .333" to 1.500"	<b>Gear</b> .417" to 4.167"	<b>Worm</b> .562" to .812"	<b>Gear</b> .156" to .219"	96	– 86 – 88
48DP – 4DP	.333" to 3.000"	.417" to 6.000"	.562" to 5.250"	.156" to 1.500"	96	97 – 98 86 – 94
16DP – 3DP	.625" to 4.000"	1.250" to 18.000"	1.000" to 5.250"	.312" to 2.000"	96	97 – 98 89 – 95

Tooth Gauge	
20° P.A.	14 1/2° P.A.
 64 D.P.	
 48 D.P.	 48 D.P.
 32 D.P.	 32 D.P.
 24 D.P.	 24 D.P.
 20 D.P.	 20 D.P.
 16 D.P.	 16 D.P.
 12 D.P.	 12 D.P.
 10 D.P.	 10 D.P.
 8 D.P.	 8 D.P.
 6 D.P.	 6 D.P.
 5 D.P.	 5 D.P.
 4 D.P.	 4 D.P.
<b>Tooth Gauge Chart is for Reference Purposes Only.</b>	 3 D.P.










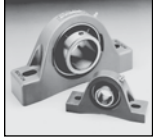

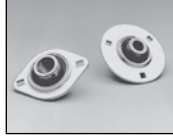



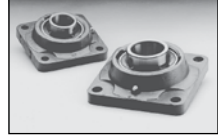


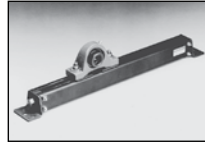




# Product Selection / Reference Guide

<b>BOST-BRONZ® OIL IMPREGNATED SINTERED BRONZE</b>	PLAIN CYLINDRICAL  Pages 138–140	FLANGED TYPE  Pages 141–142	THRUST TYPE  Page 143
	PLATE STOCK  Page 143	CORED BARS  Page 144	SOLID BARS  Page 144
<b>BEAR-N-BRONZ® 660 CAST BRONZE</b>	PLAIN CYLINDRICAL  Pages 146–150	CORED BARS  Pages 151–153	SOLID BARS  Page 153
<b>BRONZE EMERGENCY BEARING BANKS</b>	BOST-BRONZ & BEAR-N-BRONZ  Page 154	<b>BOSTONE® F-1 GLASS FILLED TEFLON</b>	
<b>BOSTonE® F-1 GLASS FILLED TEFLON</b>	FLANGED  Page 156	THRUST TYPE  Page 157	PLAIN CYLINDRICAL  Page 156
<b>Rulon®</b>	RULON® 641 BEARINGS  Pages 158–159	<b>BOSTONE® MOLDED PLASTIC</b>	
<b>BOSTonE® MOLDED PLASTIC</b>	PLAIN CYLINDRICAL  Page 161	FLANGED  Page 161	
	ROLL END FOR TUBING & STANDARD PIPE  Pages 162–168	EXTRA LENGTH BLIND BORE INSERTS  Page 169	ROLL END ADAPTER FOR HEX SHAFT  Page 169
ROLLERS  Page 170	SHAFT CLIP  Page 171	STUB SHAFT FOR ROLLERS  Page 171	





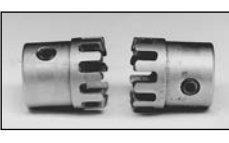













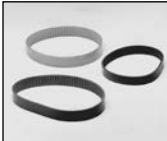

# Product Selection / Reference Guide

<b>BOSStonE® MOLDED NYLON</b>	<b>PLAIN CYLINDRICAL</b>  Page 172	<b>FLANGED</b>  Page 172	<b>THRUST TYPE</b>  Page 173	<b>CABLE PULLEYS</b>  Page 173
	<b>1600 SERIES</b>  Pages 185–186	<b>7500 SERIES</b>  Page 187	<b>7600 SERIES</b>  Page 188	<b>6900 SERIES</b>  Page 189
<b>RADIAL BALL BEARINGS</b>	<b>3000 SERIES</b>  Pages 190–191	<b>400F SERIES FLANGED</b>  Page 192		
	<b>GROUND, UNBANDED</b>  Page 193	<b>600 SERIES</b>  Page 194		
<b>THRUST BALL BEARINGS</b>	<b>2000 SERIES</b>  Page 195	<b>2100 SERIES</b>  Page 196	<b>BALL BEARING WHEELS</b>	<b>2200 SERIES</b>  Page 197
	<b>KF FEMALE SERIES</b>  Page 198	<b>HM-C SERIES HF-C FEMALE SERIES</b>  Page 199		<b>CMHD MALE SERIES CFHD FEMALE SERIES</b>  Page 200
<b>ROD END BEARINGS</b>	<b>HME MALE SERIES HFE FEMALE SERIES</b>  Page 202	<b>HMX MALE SERIES HFX FEMALE SERIES</b>  Page 203		

# Product Selection / Reference Guide

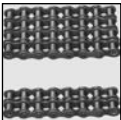















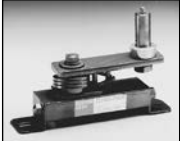

<b>SPHERICAL BEARINGS</b>	LHA-LHB-LHSS SERIES  Page 204	LHSSE-LHSSV SERIES  Page 205	LS SERIES  Page 206	
	<b>REPLACEMENT BEARINGS &amp; LOCKING COLLAR SERIES</b>	L, H, F, T, A SERIES  Page 213	PS/XL-S-MB SERIES  Page 214	
<b>PILLOW BLOCKS</b>	PPB SERIES  Page 215	PS SERIES  Page 216	XL SERIES  Page 217	L SERIES H SERIES  Pages 218-219
	SL/SH SERIES  Pages 220-221	MB SERIES  Page 222		
<b>FLANGED UNITS</b>	PS2/PS3 SERIES  Page 223	XL2/XL3 SERIES  Page 224	F SERIES T SERIES  Pages 225-226	SF/ST SERIES  Pages 227-228
	MBF SERIES  Page 229	MBP SERIES  Page 230		
<b>SHAFT SUPPORTS</b>	A SERIES  Page 231	<b>TAKE-UP FRAMES</b>	TU SERIES  Page 232	
<b>STAINLESS STEEL MOUNTED BEARINGS</b>	SSUP/SSHC SERIES  Pages 233-234	SSUFL/SSUF SERIES  Pages 235-236	SSUFB SERIES  Page 237	SSUT SERIES  Page 238

# Product Selection / Reference Guide

<b>COUPLINGS</b>	<p><b>INSERT (3 JAW)</b></p>  <p>FC Type – Pages 100-101</p>	<p><b>SPIDER RING</b></p>  <p>BF Type – Page 102</p>	<p><b>SHEAR</b></p>  <p>BG Type – Page 103</p>	
	<p><b>CLAMP</b></p>  <p>SCC Type – Page 104</p>	<p><b>MULTI-JAW</b></p>  <p>FA Type – Page 105</p>	<p><b>RIGID</b></p>  <p>CR Type – Page 105</p>	<p><b>SLEEVE</b></p>  <p>FCP Type – Page 106</p>
<b>UNIVERSAL JOINTS</b>	<p><b>PIN &amp; BLOCK</b></p>  <p>J Type – Pages 107-108</p>	<p><b>FORGED</b></p>  <p>UJN Type – Pages 109-111</p>	<p><b>MOLDED</b></p>  <p>JP Type – Page 112</p>	<p><b>MOLDED WITH SLIDE EXTENSION</b></p>  <p>JPE Type – Page 113</p>
	<p><b>SETSCREW</b></p>  <p>SC Type – Page 114</p>	<p><b>CLAMPING-THREADED</b></p>  <p>CSC Type – Page 115</p>	<p><b>CLAMPING – 1 PIECE</b></p>  <p>CS Type – Page 116</p>	<p><b>CLAMPING – 2 PIECE</b></p>  <p>2CS Type – Page 117</p>
<b>WASHERS</b>	<p><b>HARDENED STEEL WASHERS</b></p>  <p>Page 118</p>	<p><b>BUSHINGS</b></p>		<p><b>SOFT STEEL BUSHINGS</b></p>  <p>Page 119</p>
	<p><b>GROOVED</b></p>  <p>Page 120</p>			
<b>PULLEYS</b>				
<b>MINIATURE TIMING BELTS &amp; PULLEYS</b>	<p><b>TIMING BELTS</b></p>  <p>Pages 121-124 &amp; 130</p>	<p><b>PULLEYS</b></p>  <p>Pages 125-129 &amp; 131-134</p>		



# Product Selection / Reference Guide

<b>ROLLER, BLOCK &amp; LEAF CHAINS</b>	<p>MULTIPLE WIDTHS ANSI STANDARD</p>  <p>Page 251-252</p>	<p>TRANSMISSION SERIES</p>  <p>Page 253</p>	<p>CONVEYOR SERIES</p>  <p>Page 253</p>	<p>HEAVY SERIES</p>  <p>Page 253</p>	
	<p>ATTACHMENTS</p>  <p>Page 259</p>	<p>HOLLOW PIN</p>  <p>Page 260</p>	<p>BLOCK</p>  <p>Page 261</p>	<p>LEAF (CABLE)</p>  <p>Page 261</p>	
	<p>LADDER</p>  <p>Page 262</p>	<p>MINIATURE ROLLER CHAIN</p>  <p>Page 263</p>	<p>CHAIN PULLERS &amp; CHAIN BREAKING TOOLS</p>  <p>Page 264</p>		
	<b>SPROCKETS</b>	<p>PLASTIC &amp; STAINLESS STEEL</p>  <p>Page 274</p>	<p>ROLLER CHAIN</p>  <p>Pages 275-297</p>	<p>BLOCK CHAIN</p>  <p>Page 298</p>	<p>LADDER CHAIN</p>  <p>Pages 299-300</p>
		<b>SCREW/SPRING ADJUSTABLE SHAFT MOUNTED DRIVE TENSIONS</b>			
		<b>DRIVE TENSIONERS</b>	<p>TYPE LG</p>  <p>Page 301</p>	<p>TYPE BG</p>  <p>Pages 301-303</p>	<p>TYPE HG &amp;UG</p>  <p>Page 304</p>