


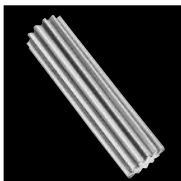
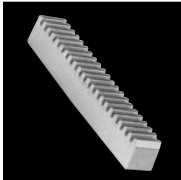






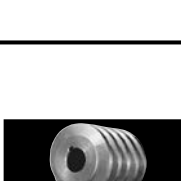





























Gear Selection




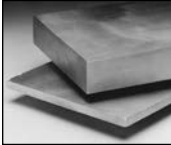




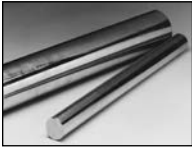




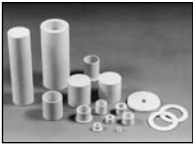








Stock Gears		Description	Application	Pressure Angle (PA)	Material		
Spur Gears		Pinions and Gears	Parallel Shafts	14-1/2° 20° 14-1/2° 20°	Brass Brass Steel Delrin		
		Pinions and Gears	Parallel Shafts	14-1/2° 14-1/2° 20°	Non-Metallic Steel, Iron Steel, Iron		
		Change Gears	Parallel Shafts	14-1/2°	Steel, 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 Single	Worm Acetal Nylon	Gear Acetal Minlon Bronze
Worms and Worm Gears		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



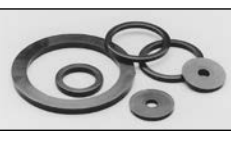

















Diametrical Pitch	Pitch Diameter	Face Width		Gear Catalog Reference Pages		
				Selection Procedure	Horsepower and Torque Ratings	Catalog Number Selection
48DP – 16DP 64DP – 24DP 32DP – 24DP 48DP – 24DP	.208" – 5.000" .250" – 6.000" .500" – 6.000" .375" – 2.500"	.062" – .313" .125" – .250" .187" – .250" .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	Worm .333" to 1.500"	Gear .417" to 4.167"	Worm .562" to .812"	Gear .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.
Tooth Gauge Chart is for Reference Purposes Only.	 3 D.P.










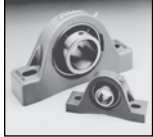








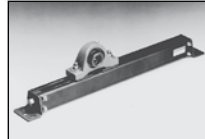




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BOST-BRONZ® OIL IMPREGNATED SINTERED BRONZE	PLAIN CYLINDRICAL  Pages 138–140	FLANGED TYPE  Pages 141–142	THRUST TYPE  Page 143	
	PLATE STOCK  Page 143	CORED BARS  Page 144	SOLID BARS  Page 144	
BEAR-N-BRONZ® 660 CAST BRONZE	PLAIN CYLINDRICAL  Pages 146–150	CORED BARS  Pages 151–153	SOLID BARS  Page 153	
BRONZE EMERGENCY BEARING BANKS	BOST-BRONZ & BEAR-N-BRONZ  Page 154	BOSTONE® F-1 GLASS FILLED TEFLON		
BOSTonE® F-1 GLASS FILLED TEFLON	FLANGED  Page 156	THRUST TYPE  Page 157	PLAIN CYLINDRICAL  Page 156	
Rulon®	RULON® 641 BEARINGS  Pages 158–159	BOSTONE® MOLDED PLASTIC		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
BOSTonE® MOLDED PLASTIC	ROLLERS  Page 170	SHAFT CLIP  Page 171	STUB SHAFT FOR ROLLERS  Page 171	



















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

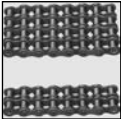


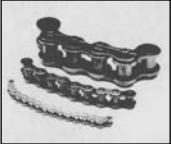












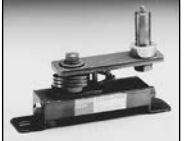

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SPHERICAL BEARINGS	LHA-LHB-LHSS SERIES  Page 204	LHSSE-LHSSV SERIES  Page 205	LS SERIES  Page 206	
	REPLACEMENT BEARINGS & LOCKING COLLAR SERIES	L, H, F, T, A SERIES  Page 213	PS/XL-S-MB SERIES  Page 214	
PILLOW BLOCKS	PPB SERIES  Page 215	PS SERIES  Page 216	XL SERIES  Page 217	L SERIES H SERIES  Pages 218-219
	SL/SH SERIES  Pages 220-221	MB SERIES  Page 222		
FLANGED UNITS	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		
SHAFT SUPPORTS	A SERIES  Page 231	TAKE-UP FRAMES	TU SERIES  Page 232	
STAINLESS STEEL MOUNTED BEARINGS	SSUP/SSHC SERIES  Pages 233-234	SSUFL/SSUF SERIES  Pages 235-236	SSUFB SERIES  Page 237	SSUT SERIES  Page 238

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

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ROLLER, BLOCK & LEAF CHAINS	<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 & CHAIN BREAKING TOOLS</p>  <p>Page 264</p>		
	SPROCKETS	<p>PLASTIC & 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>
		SCREW/SPRING ADJUSTABLE SHAFT MOUNTED DRIVE TENSIONS			
		DRIVE TENSIONERS	<p>TYPE LG</p>  <p>Page 301</p>	<p>TYPE BG</p>  <p>Pages 301-303</p>	<p>TYPE HG &UG</p>  <p>Page 304</p>