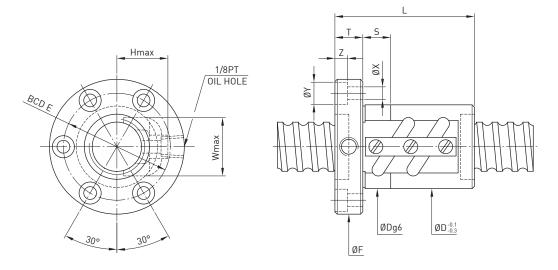
6.2 Dimension for Precision Ground Ballscrew







TYPE



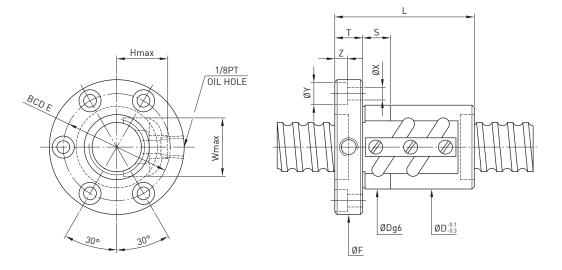
Model	Size		Ball	PCD	RD	Circuits	Stiffness kgf/µm	Dynamic Load	Static Load	Nut		Flange			Return Tube			Bolt		Fit
Modet	Nominal Dia.	Lead	Dia.	TCD	ND	Circuits	Κ	1x106 revs C (kgf)	Co (kgf)	D	L	F	Т	BCD-E	W	Н	Χ	Υ	Z	S
16-4B2		4	2.381	16.25	13.792	2.5x2	26	802	1722	30	48	52	10	40	23	21	5.5	9.5	5.5	12
16-5B1		5		16.6	13.324	2.5x1	16	763	1400	31	45	54	12	41	27	22	5.5	9.5	5.5	12
16-5B2	16			16.6	13.324	2.5x2	33	1385	2799	31	60	54	12	41	27	22	5.5	9.5	5.5	12
16-5C1			3.175	16.6	13.324	3.5x1	22	1013	1946	31	50	54	12	41	27	22	5.5	9.5	5.5	12
16-10B1		10 5	3.175	16.6	13.324	2.5x1	16	763	1399	30	54	53	10	41	22.5	23	5.5	9.5	5.5	12
20-5B1				20.6	17.324	2.5x1	19	837	1733	35	45	58	12	46	27	25	5.5	9.5	5.5	12
20-5B2		5		20.6	17.324	2.5x2	39	1519	3465	35	60	58	12	46	27	25	5.5	9.5	5.5	12
20-6B1	20	,		20.8	16.744	2.5x1	20	1139	2187	36	48	60	12	47	28	27	5.5	9.5	5.5	12
20-6C1		6	3.969	20.8	16.744	3.5x1	28	1512	3041	36	66	60	12	47	28	27	5.5	9.5	5.5	12
20-20A1		20		20.8	16.744	1.5x1	13	719	1281	36	66	60	12	47	28	27	5.5	9.5	5.5	12
25-5B2		_	2 175	25.6	22.324	2.5x2	46	1704	4417	40	60	64	12	52	31	26	5.5	9.5	5.5	12
25-5C1		5	3.175	25.6	22.324	3.5x1	35	1252	3085	40	50	64	12	52	31	26	5.5	9.5	5.5	12
25-6B2		,	3.969	25.8	21.744	2.5x2	48	2308	5523	42	68	68	12	55	32	28	6.6	11	6.5	12
25-6C1		6	3.969	25.8	21.744	3.5x1	35	1690	3844	42	55	68	12	55	32	28	6.6	11	6.5	12
25-8B2	٥٦	8		26	21.132	2.5x2	46	2888	6472	50	80	74	13	62	35	31	5.5	9.5	5.5	15
25-10B1	25	10		26	21.132	2.5x1	25	1592	3237	45	65	72	16	58	34	29	6.6	11	6.5	12
25-10B2		10	/ 17/0	26	21.132	2.5x2	46	2888	6472	47	97	74	15	60	35	31	6.6	11	6.5	15
25-16B1		16	4.763	26	21.132	2.5x1	28	1592	3237	45	84	72	16	58	34	29	6.6	11	6.5	12
25-20B1		20		26	21.132	2.5x1	28	1592	3237	45	96	72	16	58	34	30	6.6	11	6.5	12
25-25A1		25		26	21.132	1.5x1	16	1019	1927	45	90	72	16	58	34	30	6.6	11	6.5	12
28-5B1		_		28.6	25.324	2.5x1	26	984	2466	44	45	70	12	56	34	28	6.6	11	6.5	12
28-5B2	00	5		28.6	25.324	2.5x2	50	1785	4932	44	60	70	12	56	34	28	6.6	11	6.5	12
28-6A2	28	,	3.175	28.6	25.324	1.5x2	29	1150	2960	44	55	70	12	56	34	28	6.6	11	6.5	12
28-6B2		6	3.175	28.6	25.324	2.5x2	48	1784	4932	50	61	74	12	60	36	29	6.6	11	6.5	15
32-5B2		_		32.6	29.324	2.5x2	55	1886	5666	50	60	76	12	63	38	30	6.6	11	6.5	12
32-5C1		5		32.6	29.324	3.5x1	39	1388	3967	50	50	76	12	63	38	30	6.6	11	6.5	12
32-6B2		,	3.969	32.8	28.744	2.5x2	56	2556	7020	52	68	78	12	65	39	32	6.6	11	6.5	12
32-6C1		6		32.8	28.744	3.5x1	39	1888	4936	52	55	78	12	65	39	32	6.6	11	6.5	12
32-8B2		0	/ 17/0	33	28.132	2.5x2	59	3284	8453	54	86	88	16	70	40	33	9	14	8.5	15
32-8C1		8	4.763	33	28.132	3.5x1	41	2428	5948	54	70	88	16	70	40	33	9	14	8.5	15
32-10B1	32			33.4	26.91	2.5x1	30	2650	5599	54	70	88	16	70	44	37	9	14	8.5	15
32-10B2		10		33.4	26.91	2.5x2	60	4810	11199	57	98	91	16	73	44	37	9	14	8.5	15
32-10C1			6.350	33.4	26.91	3.5x1	44	3519	7785	57	78	91	16	73	44	37	9	14	8.5	15
32-16B1		16		33.4	26.91	2.5x1	30	2650	5599	54	100	88	16	70	45	38	9	14	8.5	15
32-20B1		20		33	28.132	2.5x1	33	1810	4227	54	100	88	16	70	40	33	9	14	8.5	15
32-25B1		25	4.763	33	28.132	2.5x1	33	1810	4227	54	118	88	16	70	40	33	9	14	8.5	15
32-32A1		32		33	28.132	1.5x1	18	1154	2505	54	110	88	16	70	40	33	9	14	8.5	15
36-6B1				36.8	32.744	2.5x1	35	1486	3969	55	50	82	12	68	42	32	6.6	11	6.5	12
36-6B2	36	6	3.969	36.8	32.744	2.5x2	60	2696	7937	55	68	82	12	68	42	32	6.6	11	6.5	12

Remark: Stiffness values listed above value are derived from theoretical formula while axial load is 30% of dynamic load rating without preload.









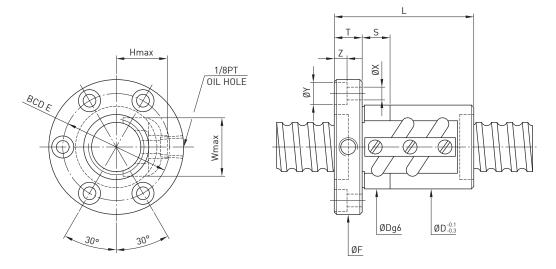
Nominal Lead Dia Pic Rich Sept March Sept March Sept Dia Dia Dia Dia Pic Rich Sept March Sept Dia		Size		Ball				Stiffness	Dynamic Load	Static	N	ut	Flange			Return Tube			Bolt		Fit	
Au-Heat Au-H	Model		Lead		PCD	RD	Circuits		1x10 ⁶ revs	Load Co (kgf)	D	L	F	Т	BCD-E			Х	Υ	Z	S	
40-8B2	36-10B2	36	10	6.350	37.4	30.91	2.5x2	68	5105	12669	62	102	104	18	82	49	40	11	17.5	11	15	
40-8B2	40-5B2		5	3.175	40.6	37.324	2.5x2	66	2071	7134	58	65	92	16	72	46	34	9	14	8.5	15	
A0-BCB Record R	40-6B2			3.969	40.8	36.744	2.5x2	69	2817	8855	60	72	94	16	76	47	36	9	14	8.5	15	
40-10E2	40-8B2			/ 7/2	41	36.132	2.5x2	70	3634	10603	62	86	96	16	78	48	38	9	14	8.5	15	
40-10C1 40 10 6.350 41.4 34.91 3.5x1 51 3932 9841 65 82 106 18 85 52 42 11 17.5 11 15 40-1462 16 7.144 34.91 2.5x2 72 6.216 15674 64 108 112 18 88 53 42 11 17.5 11 30 40-25B1 25 41.4 34.91 2.5x1 39 2959 7069 65 123 106 18 85 52 42 11 17.5 11 30 40-25B1 32 41.4 34.91 2.5x1 39 2959 7069 65 123 106 18 85 52 42 11 17.5 11 15 40-40A1 40 6.350 41.4 34.91 2.5x1 39 2959 7069 65 146 106 18 85 52 42 11 17.5 11 15 45-10B1 46.4 39.91 2.5x1 45 4170 11161 70 74 112 18 90 58 48 11 17.5 11 15 45-10B2 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B2 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B2 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B3 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B3 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B3 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B3 45 45 45 4170 4116 70 74 12 18 90 58 48 11 17.5 11 15 45-10B3 45 45 45 45 45 45 45 4	40-8C1	8	0	4.763	41	36.132	3.5x1	49	2679	7438	62	70	96	16	78	48	38	9	14	8.5	15	
40-10E0 40 12	40-10B2		10	4 250	41.4	34.91	2.5x2	74	5370	14138	65	102	106	18	85	52	42	11	17.5	11	15	
40-16B2	40-10C1	40	10	6.330	41.4	34.91	3.5x1	51	3932	9841	65	82	106	18	85	52	42	11	17.5	11	15	
40-1682 16	40-12B2		12	71//	41.6	34.299	2.5x2	72	6216	15674	64	108	112	18	88	53	42	11	17.5	11	30	
40-32B1 40-40A1	40-16B2		16	7.144	41.6	34.299	2.5x2	72	6216	15674	74	135	110	18	90	52	49	11	17.5	11	30	
40-00A1	40-25B1		25		41.4	34.91	2.5x1	39	2959	7069	65	123	106	18	85	52	42	11	17.5	11	15	
45-10B1 45-10B2 45 10 46.4 39.91 2.5x1 45 45.5	40-32B1		32		41.4	34.91	2.5x1	39	2959	7069	65	146	106	18	85	52	42	11	17.5	11	15	
45-10B2 45 10 46.4 39.91 2.5x2 79 5655 15905 70 104 112 18 90 58 48 11 17.5 11 15 45-12B2 12 7.938 46.8 38.688 2.5x2 81 7627 19799 74 12 3 122 22 97 60 49 13 20 13 20 50-5A2 50.6 47.324 1.5x2 48 1447 5382 70 63 104 16 86 56 40 9 14 8.5 15 50-5A3 50.6 47.324 1.5x3 73 2051 8072 70 73 104 16 86 56 40 9 14 8.5 15 50-6B2 63 3.969 50.8 46.744 2.5x2 81 3093 11149 72 75 106 16 88 57 43 9 14 8.5 15 50-8B3 8 4	40-40A1		40	6.350	41.4	34.91	1.5x1	24	1875	4159	65	133	106	18	85	52	42	11	17.5	11	15	
45-1082 45	45-10B1		10		46.4	39.91	2.5x1	45	4170	11161	70	74	112	18	90	58	48	11	17.5	11	15	
50-5A2 50-5A3 50-6 47.324 1.5x2 48 1447 5382 70 63 104 16 86 56 40 9 14 8.5 15 50-6B2 60-82 60 3.969 50.8 46.744 2.5x2 81 3093 11149 72 75 106 16 88 57 43 9 14 8.5 15 50-6B3 50-8B2 8 4.763 51 46.132 2.5x2 84 4004 13409 75 88 116 18 95 58 45 11 17.5 11 15 50-8B3 50 10 6.350 51.4 44.91 2.5x2 87 5223 17670 78 104 119 18 98 62 48 11 17.5 11 15 50-10C1 6.350 51.4 44.91 2.5x3 129 8394 26505 78 134	45-10B2	45	10		46.4	39.91	2.5x2	79	5655	15905	70	104	112	18	90	58	48	11	17.5	11	15	
50-5A3 50-5A3 50-6B2 6 47.324 1.5x3 73 2051 8072 70 73 104 16 86 56 40 9 14 8.5 15 50-6B2 3.969 50.8 46.744 2.5x2 81 3093 11149 72 75 106 16 88 57 43 9 14 8.5 15 50-8B2 8 4.763 51 46.132 2.5x2 84 4004 13409 75 88 116 18 95 58 45 11 17.5 11 15 50-10B2 50 46.132 2.5x2 87 5923 17670 78 104 119 18 98 62 48 11 17.5 11 15 50-10B3 10 6.350 51.4 44.91 2.5x3 129 8394 26505 78 134 119 18 98 62	45-12B2		12	7.938	46.8	38.688	2.5x2	81	7627	19799	74	123	122	22	97	60	49	13	20	13	20	
50-5A3 6 47.324 1.5x3 73 2051 8072 70 73 104 16 86 56 40 9 14 8.5 15 50-6B2 6 3.969 50.8 46.744 2.5x2 81 3093 11149 72 75 106 16 88 57 43 9 14 8.5 15 50-8B2 8 4.763 51 46.132 2.5x2 84 4004 13409 75 88 116 18 95 58 45 11 17.5 11 15 50-10B2 50 10 6.350 51.4 44.91 2.5x2 87 5923 17670 78 104 119 18 98 62 48 11 17.5 11 15 50-10B1 50 16 44.91 3.5x1 60 4393 12481 78 84 19 89 62 48	50-5A2		_	3 175	3 175	50.6	47.324	1.5x2	48	1447	5382	70	63	104	16	86	56	40	9	14	8.5	15
50-6B3 6 3,969 50.8 46,744 2,5x3 119 4384 16723 72 93 106 16 88 57 43 9 14 8.5 15 50-8B2 8 4.763 51 46.132 2,5x2 84 4004 13409 75 88 116 18 95 58 45 11 17.5 11 15 50-10B2 50 51.4 44.91 2.5x2 87 5923 17670 78 104 119 18 98 62 48 11 17.5 11 15 50-10C1 6.350 51.4 44.91 2.5x3 129 8394 26505 78 134 119 18 98 62 48 11 17.5 11 15 50-10C1 51.8 43.688 2.5x1 46 4420 11047 82 87 130 22 105 64 52	50-5A3		5	3.175	50.6	47.324	1.5x3	73	2051	8072	70	73	104	16	86	56	40	9	14	8.5	15	
50-8B2 50-8B3 50-8B3 50-8B3 50-10B3 50	50-6B2			2 040	50.8	46.744	2.5x2	81	3093	11149	72	75	106	16	88	57	43	9	14	8.5	15	
50-8B3 8 4.763 51 46.132 2.5x3 124 5674 20114 75 112 116 18 95 58 45 11 17.5 11 15 50-10B3 50 10 6.350 51.4 44.91 2.5x2 87 5923 17670 78 104 119 18 98 62 48 11 17.5 11 15 50-10C1 51.4 44.91 2.5x3 129 8394 26505 78 134 119 18 98 62 48 11 17.5 11 15 50-12B1 51.8 43.688 2.5x1 46 4420 11047 82 87 130 22 105 64 52 13 20 13 20 50-12B1 7.938 51.8 43.688 2.5x1 46 420 11047 82 87 130 22 105 64 52	50-6B3		0	3.707	50.8	46.744	2.5x3	119	4384	16723	72	93	106	16	88	57	43	9	14	8.5	15	
50-10B2 50-10B3 50-10B3 50-10B3 50-10B3 50-10B3 50-10B3 50-10B3 50-10C1 50-10B3 50-10C1 50-10C	50-8B2		0	4.763	51	46.132	2.5x2	84	4004	13409	75	88	116	18	95	58	45	11	17.5	11	15	
50-10B3 50 10 6.350 51.4 44.91 2.5x3 129 8394 26505 78 134 119 18 98 62 48 11 17.5 11 15 50-10C1 51.4 44.91 3.5x1 60 4393 12481 78 84 119 18 98 62 48 11 17.5 11 15 50-12B1 51.8 43.688 2.5x1 46 4420 11047 82 87 130 22 105 64 52 13 20 13 20 105 20 20 20 20 20 20 20	50-8B3		0		51	46.132	2.5x3	124	5674	20114	75	112	116	18	95	58	45	11	17.5	11	15	
50-10C1	50-10B2	EU			51.4	44.91	2.5x2	87	5923	17670	78	104	119	18	98	62	48	11	17.5	11	15	
50-12B1 12 51.8 43.688 2.5x1 46 4420 11047 82 87 130 22 105 64 52 13 20 13 20 50-12C1 7.938 51.8 43.688 2.5x2 90 8022 22094 82 123 130 22 105 64 52 13 20 13 20 50-12C1 7.938 51.8 43.688 3.5x1 63 5875 15380 82 99 130 22 105 64 52 13 20 13 20 50-40A1 40 51.8 43.688 1.5x1 27 2801 6499 82 135 130 22 105 64 52 13 20 13 20 50-50A1 50 51.8 43.688 1.5x1 30 2801 6499 82 162 130 22 105 64 52 13 20 13 20 55-10C1 10 6.350 56.4 49.91	50-10B3	30	10	6.350	51.4	44.91	2.5x3	129	8394	26505	78	134	119	18	98	62	48	11	17.5	11	15	
50-12B2 12 51.8 43.688 2.5x2 90 8022 22094 82 123 130 22 105 64 52 13 20 13 20 50-12C1 7.938 51.8 43.688 3.5x1 63 5875 15380 82 99 130 22 105 64 52 13 20 13 20 50-40A1 40 51.8 43.688 1.5x1 27 2801 6499 82 135 130 22 105 64 52 13 20 13 20 50-50A1 50 51.8 43.688 1.5x1 30 2801 6499 82 162 130 22 105 64 52 13 20 13 20 55-10C1 10 6.350 56.4 49.91 3.5x1 66 4562 13661 84 84 125 18 103 68 54 11 17.5 11 20 55-12B2 55 12 7.938 <td< td=""><td>50-10C1</td><td></td><td></td><td></td><td>51.4</td><td>44.91</td><td>3.5x1</td><td>60</td><td>4393</td><td>12481</td><td>78</td><td>84</td><td>119</td><td>18</td><td>98</td><td>62</td><td>48</td><td>11</td><td>17.5</td><td>11</td><td>15</td></td<>	50-10C1				51.4	44.91	3.5x1	60	4393	12481	78	84	119	18	98	62	48	11	17.5	11	15	
50-12C1 7.938 51.8 43.688 3.5x1 63 5875 15380 82 99 130 22 105 64 52 13 20 13 20 50-40A1 40 51.8 43.688 1.5x1 27 2801 6499 82 135 130 22 105 64 52 13 20 13 20 50-50A1 50 51.8 43.688 1.5x1 30 2801 6499 82 162 130 22 105 64 52 13 20 13 20 55-10C1 10 6.350 56.4 49.91 3.5x1 66 4562 13661 84 84 125 18 103 68 54 11 17.5 11 20 55-1282 20 12.700 58 45.16 2.5x2 95 8392 24390 88 123 136 22 110 70 56	50-12B1				51.8	43.688	2.5x1	46	4420	11047	82	87	130	22	105	64	52	13	20	13	20	
50-40A1 40 51.8 43.688 1.5x1 27 2801 6499 82 135 130 22 105 64 52 13 20 13 20 50-50A1 50 51.8 43.688 1.5x1 30 2801 6499 82 162 130 22 105 64 52 13 20 13 20 55-10C1 10 6.350 56.4 49.91 3.5x1 66 4562 13661 84 84 125 18 103 68 54 11 17.5 11 20 55-12B2 55 12 7.938 56.8 48.688 2.5x2 95 8392 24390 88 123 136 22 110 70 56 13 20 13 20 55-20B2 20 12.700 58 45.16 2.5x2 127 20160 52439 100 175 132 28 115 74 71 9 14 8.5 30 63-8A2 <t< td=""><td>50-12B2</td><td></td><td>12</td><td></td><td>51.8</td><td>43.688</td><td>2.5x2</td><td>90</td><td>8022</td><td>22094</td><td>82</td><td>123</td><td>130</td><td>22</td><td>105</td><td>64</td><td>52</td><td>13</td><td>20</td><td>13</td><td>20</td></t<>	50-12B2		12		51.8	43.688	2.5x2	90	8022	22094	82	123	130	22	105	64	52	13	20	13	20	
50-50A1 50 51.8 43.688 1.5x1 30 2801 6499 82 162 130 22 105 64 52 13 20 13 20 55-10C1 10 6.350 56.4 49.91 3.5x1 66 4562 13661 84 84 125 18 103 68 54 11 17.5 11 20 55-12B2 55 12 7.938 56.8 48.688 2.5x2 95 8392 24390 88 123 136 22 110 70 56 13 20 13 20 55-20B2 20 12.700 58 45.16 2.5x2 127 20160 52439 100 175 132 28 115 74 71 9 14 8.5 30 63-8A2 8 4.763 64 59.132 1.5x3 80 4004 15193 87 92 129	50-12C1			7.938	51.8	43.688	3.5x1	63	5875	15380	82	99	130	22	105	64	52	13	20	13	20	
55-10C1	50-40A1		40		51.8	43.688	1.5x1	27	2801	6499	82	135	130	22	105	64	52	13	20	13	20	
55-12B2 55 12 7.938 56.8 48.688 2.5x2 95 8392 24390 88 123 136 22 110 70 56 13 20 13 20 55-20B2 20 12.700 58 45.16 2.5x2 127 20160 52439 100 175 132 28 115 74 71 9 14 8.5 30 63-8A2 8 4.763 64 59.132 1.5x2 54 2826 10129 87 76 129 18 107 70 50 11 17.5 11 20 63-10B2 610 610 610 610 610 610 610 610 610 610	50-50A1		50		51.8	43.688	1.5x1	30	2801	6499	82	162	130	22	105	64	52	13	20	13	20	
55-20B2 20 12.700 58 45.16 2.5x2 127 20160 52439 100 175 132 28 115 74 71 9 14 8.5 30 63-8A2 8 4.763 64 59.132 1.5x2 54 2826 10129 87 76 129 18 107 70 50 11 17.5 11 20 63-8A3 64 59.132 1.5x3 80 4004 15193 87 92 129 18 107 70 50 11 17.5 11 20 63-10B3 63 10 6.350 64.4 57.91 2.5x2 104 6533 22371 90 107 132 20 110 74 53 11 17.5 11 20 63-10B3 63 12 7.938 64.8 56.688 2.5x2 109 8943 28062 94 124 142 22 117 76 57 13 20 13 20 63-16B2 16 9.525 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	55-10C1		10	6.350	56.4	49.91	3.5x1	66	4562	13661	84	84	125	18	103	68	54	11	17.5	11	20	
63-8A2 63-8A3 64 59.132 1.5x2 54 2826 10129 87 76 129 18 107 70 50 11 17.5 11 20 63-8A3 63-10B2 63-10B3 63 63 10 6.350 64.4 57.91 2.5x2 104 6533 22371 90 107 132 20 110 74 53 11 17.5 11 20 63-12B2 63-16B2 64.4 57.91 2.5x3 154 9258 33556 90 137 132 20 110 74 53 11 17.5 11 20 63-16B2 65.2 55.466 2.5x2 109 8943 28062 94 124 142 22 117 76 57 13 20 13 20 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	55-12B2	55	12	7.938	56.8	48.688	2.5x2	95	8392	24390	88	123	136	22	110	70	56	13	20	13	20	
63-8A3	55-20B2		20	12.700	58	45.16	2.5x2	127	20160	52439	100	175	132	28	115	74	71	9	14	8.5	30	
63-8A3 63 64 59.132 1.5x3 80 4004 15193 87 92 129 18 107 70 50 11 17.5 11 20 63-10B3 63 10 6.350 64.4 57.91 2.5x2 104 6533 22371 90 107 132 20 110 74 53 11 17.5 11 20 63-12B2 12 7.938 64.8 56.688 2.5x2 109 8943 28062 94 124 142 22 117 76 57 13 20 13 20 63-16B2 16 9.525 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	63-8A2		Q	7.742	64	59.132	1.5x2	54	2826	10129	87	76	129	18	107	70	50	11	17.5	11	20	
63-10B3 63 10 6.350 64.4 57.91 2.5x3 154 9258 33556 90 137 132 20 110 74 53 11 17.5 11 20 63-12B2 12 7.938 64.8 56.688 2.5x2 109 8943 28062 94 124 142 22 117 76 57 13 20 13 20 63-16B2 16 9.525 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	63-8A3		0	4.703	64	59.132	1.5x3	80	4004	15193	87	92	129	18	107	70	50	11	17.5	11	20	
63-10B3 63 64.4 57.91 2.5x3 154 9258 33556 90 137 132 20 110 74 53 11 17.5 11 20 63-12B2 12 7.938 64.8 56.688 2.5x2 109 8943 28062 94 124 142 22 117 76 57 13 20 13 20 63-16B2 16 9.525 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	63-10B2	10	10	6.350	64.4	57.91	2.5x2	104	6533	22371	90	107	132	20	110	74	53	11	17.5	11	20	
63-16B2 16 9 525 65.2 55.466 2.5x2 141 14862 46009 100 153 150 22 123 78 62 13 20 13 20	63-10B3	63	10		64.4	57.91	2.5x3	154	9258	33556	90	137	132	20	110	74	53	11	17.5	11	20	
9 525	63-12B2		12	7.938	64.8	56.688	2.5x2	109	8943	28062	94	124	142	22	117	76	57	13	20	13	20	
63-20B2 20 7.323 65.2 55.466 2.5x2 141 14862 46009 100 176 150 22 123 78 62 13 20 13 20	63-16B2		16	0 525	65.2	55.466	2.5x2	141	14862	46009	100	153	150	22	123	78	62	13	20	13	20	
	63-20B2		20	7.020	65.2	55.466	2.5x2	141	14862	46009	100	176	150	22	123	78	62	13	20	13	20	

Remark: Stiffness values listed above value are derived from theoretical formula while axial load is 30% of dynamic load rating without preload.









Model	Size		Ball Dia.	PCD	RD	Circuits	Stiffness kgf/µm	Dynamic Load 1x10 ⁶ revs C (kgf)	Static Load	Nut		Flange			Return Tube		Bolt			Fit							
	Dia.	Lead	Dia.				K		Co (kgf)	D	L	F	Т	BCD-E	W	Н	Χ	Υ	Z	S							
63-20B3	63	20	12.700	66	53.16	2.5x3	210	30715	90887	117	244	157	32	137	82	70	11	17.5	11	30							
70-10B2		10	6.350	71.4	64.91	2.5x2	115	6843	25011	104	109	152	20	128	80	56	13	20	13	20							
70-10B3	70	10	6.330	71.4	64.91	2.5x3	170	9688	37516	104	139	152	20	128	80	56	13	20	13	20							
70-12B2	/0	10	7.938	71.8	63.688	2.5x2	120	9382	31275	110	125	159	22	133	82	58	13	20	13	20							
70-12B3		12	7.938	71.8	63.688	2.5x3	170	13296	46912	110	159	159	22	133	82	58	13	20	13	20							
80-10B2		10	10	10	10	10	10	10	10	/ 250	81.4	74.91	2.5x2	126	7202	28538	115	109	163	22	137	90	64	13	20	13	20
80-10B3		10	6.350	81.4	74.91	2.5x3	186	10207	42807	115	139	163	22	137	90	64	13	20	13	20							
80-12B2		12	7.938	81.8	73.688	2.5x2	130	9797	35422	120	125	169	22	143	92	67	13	20	13	25							
80-12B3	80	12	7.938	81.8	73.688	2.5x3	192	13884	53132	120	159	169	22	143	92	67	13	20	13	25							
80-16B2	80	16		82.2	72.466	2.5x2	171	16485	58851	125	156	190	28	154	94	70	18	26	17.5	25							
80-16B3		10	9.525	82.2	72.466	2.5x3	252	23363	88276	125	204	190	28	154	94	70	18	26	17.5	25							
80-20B2		20	7.025	82.2	72.466	2.5x2	171	16485	58851	125	185	190	28	154	94	70	18	26	17.5	25							
80-20B3		20		82.2	72.466	2.5x3	252	23363	88276	125	245	190	28	154	94	70	18	26	17.5	25							
100-12B2		12	7.938	101.8	93.688	2.5x2	156	10761	44586	145	132	209	28	173	112	76	18	26	17.5	25							
100-12B3		12	7.730	101.8	93.688	2.5x3	229	15251	66894	145	168	209	28	173	112	76	18	26	17.5	25							
100-16B2	100	16		102.2	92.466	2.5x2	200	18123	74425	150	162	228	32	185	114	80	22	32	21.5	30							
100-16B3	100	10	9.525	102.2	92.466	2.5x3	305	25684	111637	150	212	228	32	185	114	80	22	32	21.5	30							
100-20B2		20	7.020	102.2	92.466	2.5x2	200	18123	74425	150	190	228	32	185	114	80	22	32	21.5	30							
100-20B3		20	20	20	20	20	20		102.2	92.466	2.5x3	305	25684	111637	150	250	228	32	185	114	80	22	32	21.5	30		

Remark: Stiffness values listed above value are derived from theoretical formula while axial load is 30% of dynamic load rating without preload.