SBN Wälzlager
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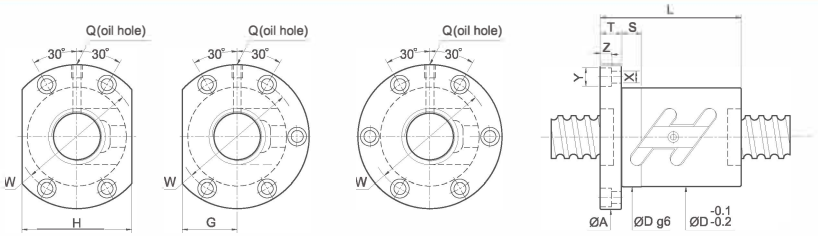
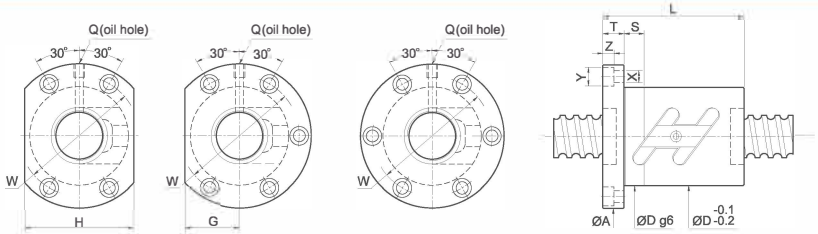
FSWC



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
10	3	2.000	2.5×1	250	430		37											9
	4	2.000	2.5×1	250	430	26	40	46	10	36	14	28	10	4.5	8	4.5	M6×1P	9
	5	2.000	2.5×1	250	430		42											9
12	4	2.381	2.5×1	380	640	30	40	50	10	40	16	32	10	4.5	8	4.5	M6×1P	12
	5	2.381	2.5×1	380	640		42											12
14	4	2.381	2.5×1	410	750	34	40	57	11	45	17	34	10	5.5	9.5	5.5	M6×1P	14
	5	3.175	2.5×1	675	1145		42											15
15	4	2.381	2.5×1	420	800		40											14
	5	3.175	2.5×1	680	1210	34	42	57	10	45	17	34	10	5.5	9.5	5.5	M6x1P	15
	10	3.175	2.5×1	680	1210		55											16
16	4	2.381	1.5×2	490	1010		44											18
			2.5×1	430	850	34	41	57	11	45	17	34	10	5.5	9.5	5.5	M6×1P	15
			3.5×1	560	1180		42											21
	5	3.175	1.5×2	805	1525		45											19
			2.5×1	690	1270	40	41	63	11	51	21	42	15	5.5	9.5	5.5	M6×1P	16
			2.5×2	1250	2540		56											31
			3.5×1	920	1780		46											22
	6	3.175	1.5×2	805	1525		52											19
			2.5×1	690	1270	40	44	63	11	51	21	42	15	5.5	9.5	5.5	M6×1P	16
			3.5×1	920	1780		52											22
	10	3.175	2.5×1	690	1270	40	56	63	11	51	21	42	15	5.5	9.5	5.5	M6×1P	16
20	4	2.381	1.5×2	530	1270		44											21
			2.5×1	480	1060	40	40	63.5	11	51	21	42	15	5.5	9.5	5.5	M6×1P	18
			2.5×2	820	2120		50											35
			3.5×1	600	1480		43											25
	5	3.175	1.5×2	965	2070		45						15					24
			2.5×1	830	1730	44	42	67	11	55	26	52	10	5.5	9.5	5.5	M6×1P	20
			2.5×2	1510	3460		56						15					39
			3.5×1	1110	2420		46						15					26
	6	3.969	1.5×2	1285	2545		56											24
			2.5×1	1100	2120	48	49	71	11	59	27	54	15	5.5	9.5	5.5	M6×1P	20
			3.5×1	1470	2970		56											28
	8	3.969	1.5×2	1285	2545		61											24
			2.5×1	1100	2120	48	54	75	13	61	27	54	15	6.6	11	6.5	M6×1P	20
			3.5×1	1470	2970		62											28



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
25	4	2.381	1.5×2	600	1630		44											26
			2.5×1	510	1355	46	40	69	11	57	26	52	15	5.5	9.5	5.5	M6×1P	22
			2.5×2	930	2710		49											42
			3.5×1	680	1900		42											30
	5	3.175	1.5×2	1065	2575		45											28
			2.5×1	910	2150	50	41	73	11	61	28	56	15	5.5	9.5	5.5	M6×1P	24
			2.5×2	1650	4300		56											46
			3.5×1	1210	3010		46											33
	6	3.969	1.5×2	1420	3215		56											29
			2.5×1	1210	2680	53	49	76	11	64	29	58	15	5.5	9.5	5.5	M6×1P	24
			2.5×2	2190	5360		62											47
			3.5×1	1610	3750		56											34
	8	4.762	1.5×2	1820	3840		61											30
			2.5×1	1560	3200	58	61	85	13	71	32	64	15	6.6	11	6.5	M6×1P	25
			3.5×1	2080	4480		66											35
	10	4.762	1.5×2	1820	3840		71											30
			2.5×1	1560	3200	58	65	85	15	71	32	64	15	6.6	11	6.5	M6×1P	25
			3.5×1	2080	4480		75											35
	12	3.969	2.5×1	1210	2680	53	60	76	11	64	32	64	15	5.5	9.5	5.5	M6×1P	24
28	5	3.175	1.5×2	1110	2960		46											31
			2.5×1	950	2470	55	42	83	12	69	31	62	15	6.6	11	6.5	M8×1P	26
			2.5×2	1720	4940		56											50
			3.5×1	1270	3460		47											36
	6	3.969	1.5×2	1480	3605		57											32
			2.5×1	1270	3000	55	50	83	12	69	31	62	15	6.6	11	6.5	M8×1P	26
			2.5×2	2300	6000		63											51
			3.5×1	1690	4200		57											37
	8	4.762	1.5×2	1935	4325		65											33
			2.5×1	1650	3600	60	63	93	15	76	36	72	15	9	14	8.5	M8×1P	28
			3.5×1	2200	5040		68											38
	10	4.762	1.5×2	1935	4325		74											33
			2.5×1	1650	3600	60	67	93	15	76	36	72	15	9	14	8.5	M8×1P	28
			3.5×1	2200	5040		77											38

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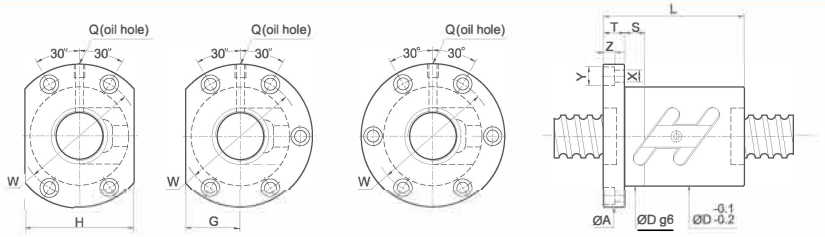
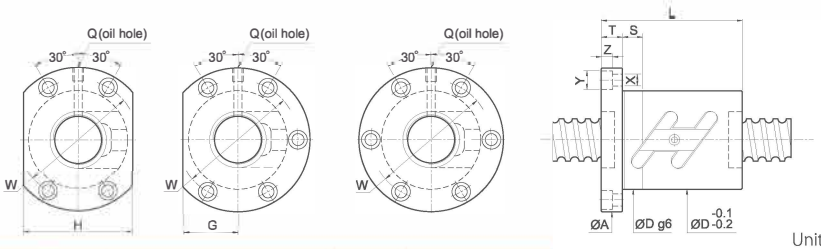
FSWC



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	*kgf/μm*
32	4	2.381	2.5×1	565	1750	54	40	81	12	67	32	64	15	6.6	11	6.5	M6×1P	26
			2.5×2	1020	3500		50											50
	5	3.175	1.5×2	1180	3410	58	47	85	12	71	32	64	15	6.6	11	6.5	M8×1P	34
			2.5×1	1010	2840		43											29
			2.5×2	1830	5680		57											56
			2.5×3	2590	8520		72											82
			3.5×1	1350	3980		47											40
	6	3.969	1.5×2	1560	4135	62	57	88	12	75	34	68	15	6.6	11	6.5	M8×1P	35
			2.5×1	1330	3450		45											29
			2.5×2	2410	6900		63											57
			3.5×1	1770	4830		57											40
	8	4.762	1.5×2	2010	5010	66	64	98	15	82	38	76	15	9	14	8.5	M8×1P	36
			2.5×1	1720	4180		63											30
			2.5×2	3120	8360		80											59
			3.5×1	2300	5850		68											42
	10	6.35	1.5×2	3000	6530	74	78	108	15	90	41	82	15	9	14	8.5	M8×1P	38
			2.5×1	2570	5440		68											32
			2.5×2	4660	10880		97											61
			3.5×1	3430	7620		78											44
	12	6.35	1.5×2	3000	6530	74	88	108	18	90	41	82	15	9	14	8.5	M8×1P	38
			2.5×1	2570	5440		77											32
			2.5×2	4660	10880		110											62
			3.5×1	3430	7620		91											44
36	5	3.175	1.5×2	1240	3850	65	50	98	15	82	38	76	15	9	14	8.5	M8×1P	38
			2.5×2	1920	6420		60											62
			2.5×3	2720	9630		75											90
			3.5×1	1410	4490		50											44
	6	3.969	2.5×2	2600	7900	65	66	98	15	82	38	76	15	9	14	8.5	M8×1P	63
			2.5×3	3680	11850		84											93
	10	6.35	1.5×2	3180	7410	75	81	118	18	98	45	90	15	11	17.5	11	M8×1P	41
			2.5×1	2720	6180		71											35
			2.5×2	4930	12360		103											68
			3.5×1	3630	8650		81											48
	12	6.35	2.5×1	2720	6180	75	77	118	18	98	45	90	15	11	17.5	11	M8×1P	35
			2.5×2	4930	12360		110											68
			3.5×1	3630	8650		91											48



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	*kgf/μm*
40	5	3.175	1.5×2	1280	4275	67	50	101	15	83	39	78	15	9	14	8.5	M8×1P	41
			2.5×1	1090	3560		48											34
			2.5×2	1980	7120		60											66
			2.5×3	2800	10680		75											98
			3.5×1	1450	4980		50											47
	6	3.969	1.5×2	1750	5300	70	60	104	15	86	40	80	15	9	14	8.5	PT1/8"	42
			2.5×1	1500	4420		53											35
			2.5×2	2720	8840		66											69
			2.5×3	3850	13260		84											101
			3.5×1	2000	6190		60											49
	8	4.762	1.5×2	2220	6320	74	64	108	15	90	41	82	15	9	14	8.5	PT1/8"	43
			2.5×1	1900	5270		63											36
			2.5×2	3450	10540		83											70
			3.5×1	2540	7380		68											50
	10	6.35	1.5×2	3370	8335	82	81	124	18	102	47	94	20	11	17.5	11	PT1/8"	45
			2.5×1	2880	6950		71											35
			2.5×2	5220	13900		103											74
			3.5×1	3840	9730		81											52
	12	6.35	2.5×1	2880	6950	86	77	128	18	106	48	96	20	11	17.5	11	PT1/8"	38
			2.5×2	5220	13900		112											74
			3.5×1	3840	9730		91											52
45	10	6.35	2.5×2	5480	15700	88	101	132	18	110	50	100	20	11	17.5	11	PT1/8"	81
			2.5×3	7760	23550		131											119
	12	7.144	2.5×1	3550	8950	90	84	132	18	110	50	100	20	11	17.5	11	PT1/8"	43
			2.5×2	6440	17900		112											82
			2.5×3	9120	26850		148											121

FSWC

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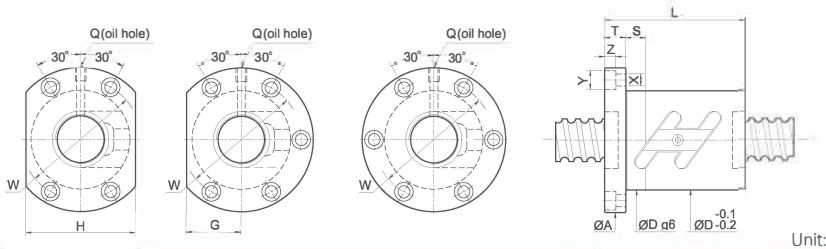
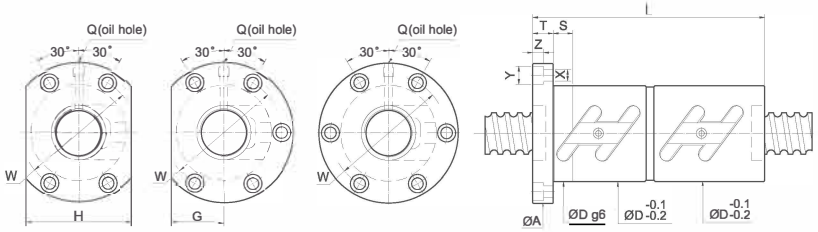
Passt. Genau.



Unit: *mm*

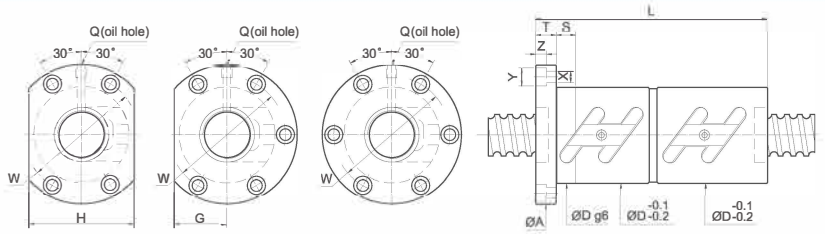
SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (kgf) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (kgf) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS kgf/μm
50	5	3.175	1.5×2	1410	5305	80	50	114	15	96	43	86	15	9	14	8.5	PT1/8"	49
			1.5×3	2000	7960		60											72
			2.5×2	2190	8840		60											80
			3.5×1	1610	6190		50											57
	6	3.969	1.5×2	1920	6600	84	60	118	15	100	45	90	15	9	14	8.5	PT1/8"	50
			2.5×2	2980	11000		67											82
			2.5×3	4220	16500		85											121
			3.5×1	2190	7700		60											58
	8	4.762	1.5×2	2515	7810	87	68	128	18	107	49	98	20	11	17.5	11	PT1/8"	52
			2.5×2	3900	13020		86											85
			2.5×3	5520	19530		109											125
			3.5×1	2870	9110		71											60
	10	6.35	1.5×2	3725	10450	93	81	135	18	113	51	102	20	11	17.5	11	PT1/8"	54
			2.5×1	3190	8710		71											45
			2.5×2	5790	17420		101											88
			2.5×3	8200	26130		131											130
			3.5×1	4260	12190		81											63
	12	7.144	2.5×1	3700	10050	100	88	146	22	122	55	110	20	14	20	13	PT1/8"	46
			2.5×2	6710	20100		116											89
55	10	6.35	2.5×2	6005	19540	102	101	144	18	122	54	108	20	11	17.5	11	PT1/8"	95
			2.5×3	8510	29310		131											140
63	10	6.35	2.5×1	3510	11200	108	75	154	22	130	58	116	20	14	20	13	PT1/8"	55
			2.5×2	6370	22400		105											106
			2.5×3	9020	33600		135											156
	12	7.938	2.5×1	4770	13780	115	88	161	22	137	61	122	20	14	20	13	PT1/8"	59
			2.5×2	8650	27560		124											113
			2.5×3	12250	41340		160											167
80	10	6.35	2.5×2	7130	28500	130	105	176	22	152	66	132	20	14	20	13	PT1/8"	129
			2.5×3	10100	42750		134											190
	12	7.938	2.5×2	9710	35560	136	124	182	22	158	68	136	20	14	20	13	PT1/8"	137
			2.5×3	13760	53340		160											202
	16	9.525	2.5×2	16450	59280	143	160	204	28	172	77	154	30	18	26	17.5	PT1/8"	170
			2.5×3	23300	88920		208											250

FDWC



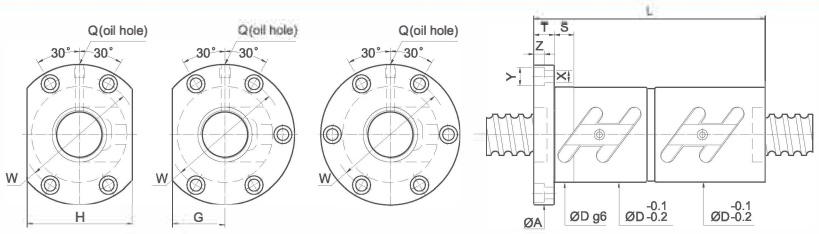
Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (kgf) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (kgf) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS kgf/μm
16	4	2.381	1.5×2	490	1010	34	81	57	11	45	17	34	15	5.5	9.5	5.5	M6×1P	36
			2.5×1	430	850		70											30
			3.5×1	560	1180		78											42
	5	3.175	1.5×2	805	1525	40	90	63	11	51	20	40	15	5.5	9.5	5.5	M6×1P	39
			2.5×1	690	1270		77											33
			2.5×2	1250	2540		105											63
			3.5×1	920	1780		88											45
	6	3.175	1.5×2	805	1525	40	90	63	11	51	20	40	15	5.5	9.5	5.5	M6×1P	39
			2.5×1	690	1270		80											33
			3.5×1	920	1780		90											45
20	4	2.381	1.5×2	530	1270	40	83	63	11	51	24	48	15	5.5	9.5	5.5	M6×1P	42
			2.5×1	480	1060		67											36
			2.5×2	820	2120		89											69
			3.5×1	600	1480		75											49
	5	3.175	1.5×2	965	2070	44	99	67	11	55	26	52	15	5.5	9.5	5.5	M6×1P	47
			2.5×1	830	1730		76											40
			2.5×2	1510	3460		105											77
			3.5×1	1110	2420		80											55
	6	3.969	1.5×2	1285	2545	48	98	71	11	59	27	54	15	5.5	9.5	5.5	M6×1P	49
			2.5×1	1100	2120		82											41
			3.5×1	1470	2970		93											45
	8	3.969	1.5×2	1285	2545	48	108	75	13	61	28	56	15	6.6	11	6.5	M6×1P	49
			2.5×2	1100	2120		102											41
			3.5×1	1470	2970		110											56



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	*kgf/μm*
25	4	2.381	1.5×2	600	1630	46	83	69	11	57	26	52	15	5.5	9.5	5.5	M6×1P	51
			2.5×1	510	1355		67											43
			2.5×2	930	2710		91											84
			3.5×1	680	1900		75											59
	5	3.175	1.5×2	1065	2575	50	80	73	11	61	28	56	15	5.5	9.5	5.5	M6×1P	57
			2.5×1	910	2150		77											48
			2.5×2	1650	4300		105											92
			3.5×1	1210	3010		86											65
	6	3.969	1.5×2	1420	3215	53	91	76	11	64	29	58	15	5.5	9.5	5.5	M6×1P	58
			2.5×1	1210	2680		82											49
			2.5×2	2190	5360		116											94
			3.5×1	1610	3750		93											67
	8	4.762	1.5×2	1820	3840	58	111	85	13	71	32	64	15	6.6	11	6.5	M6×1P	60
			2.5×1	1560	3200		95											50
			3.5×1	2080	4480		111											69
	10	4.762	1.5×2	1820	3840	58	134	85	15	71	32	64	15	6.6	11	6.5	M6×1P	60
			2.5×1	1560	3200		117											50
			3.5×1	2080	4480		138											69
28	5	3.175	1.5×2	1110	2960	55	86	83	12	69	31	62	15	6.6	11	6.5	M8×1P	62
			2.5×1	950	2470		78											52
			2.5×2	1720	4940		106											101
			3.5×1	1270	3460		86											72
	6	3.969	1.5×2	1480	3605	55	98	83	12	69	31	62	15	6.6	11	6.5	M8×1P	63
			2.5×1	1270	3000		89											53
			2.5×2	2300	6000		117											103
			3.5×1	1690	4200		94											73
	8	4.762	1.5×2	1935	4325	60	113	93	15	76	36	72	15	9	14	8.5	M8×1P	66
			2.5×1	1650	3600		97											55
			3.5×1	2200	5040		113											76
	10	4.762	1.5×2	1935	4325	60	134	93	15	76	36	72	15	9	14	8.5	M8×1P	66
			2.5×1	1635	3600		117											55
			3.5×1	2200	5040		138											76



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	*kgf/μm*
32	4	2.381	2.5×1	565	1750	54	68	81	12	67	32	64	15	6.6	11	6.5	M6×1P	52
			2.5×2	1020	3500		90											101
	5	3.175	1.5×2	1180	3410	58	82	85	12	71	32	64	15	6.6	11	6.5	M8×1P	69
			2.5×1	1010	2840		78											58
			2.5×2	1830	5680		105											112
			2.5×3	2590	8520		136											164
			3.5×1	1350	3980		82											80
	6	3.969	1.5×2	1560	4135	62	100	88	12	75	34	68	15	6.6	11	6.5	M8×1P	70
			2.5×1	1330	3450		87											59
			2.5×2	2410	6900		123											114
			3.5×1	1770	4830		100											81
	8	4.762	1.5×2	2010	5010	66	113	98	15	82	38	76	15	9	14	8.5	M8×1P	76
			2.5×1	1720	4180		106											64
			2.5×2	3120	8360		152											123
			3.5×1	2300	5850		113											88
	10	6.35	1.5×2	3000	6530	74	138	108	15	90	41	82	15	9	14	8.5	M8×1P	76
			2.5×1	2570	5440		118											64
			2.5×2	4660	10880		177											123
			3.5×1	3430	7620		148											88
	12	6.35	1.5×2	3000	6530	74	160	108	18	90	41	82	15	9	14	8.5	M8×1P	76
			2.5×1	2570	5440		137											64
			2.5×2	4660	10880		208											124
			3.5×1	3430	7620		160											88
36	5	3.175	1.5×2	1240	3850	65	91	98	15	82	38	76	15	9	14	8.5	M8×1P	75
			2.5×2	1920	6420		110											123
			2.5×3	2720	9630		139											181
			3.5×1	1410	4490		90											87
	6	3.969	2.5×2	2600	7900	65	123	98	15	82	38	76	15	9	14	8.5	M8×1P	126
			2.5×3	3680	11850		159											187
	8	4.762	2.5×2	3265	9450	70	153	114	18	92	46	92	20	11	17.5	11	M8×1P	129
	10	6.35	1.5×2	3180	7410	75	141	118	18	98	45	90	15	11	17.5	11	M8×1P	83
			2.5×1	2720	6180		131											70
			2.5×2	4930	12360		180											136
			3.5×1	3630	8650		151											96
	12	6.35	2.5×1	2720	6180	75	137	118	18	98	45	90	15	11	17.5	11	M8×1P	70
			2.5×2	4930	12360		208											136
			3.5×1	3630	8650		161											97

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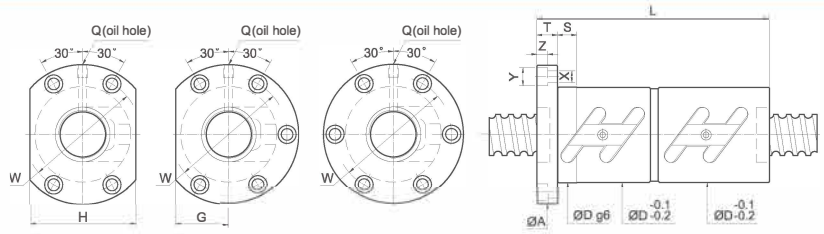
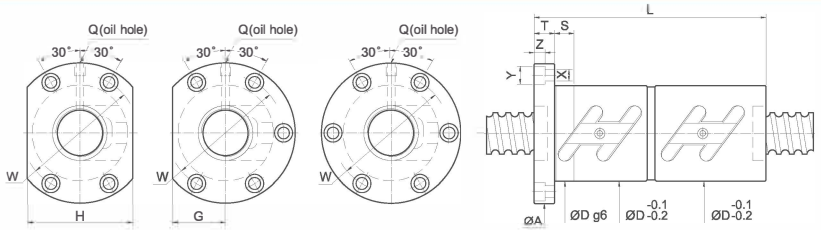
FDWC



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
40	5	3.175	1.5×2	1280	4275	67	88	101	15	83	39	78	15	9	14	8.5	M8×1P	82
			2.5×1	1090	3560		84											69
			2.5×2	1980	7120		108											133
			2.5×3	2800	10680		139											196
			3.5×1	1450	4980		88											95
	6	3.969	1.5×2	1750	5300	70	103	104	15	86	40	80	15	9	14	8.5	PT1/8"	85
			2.5×1	1500	4420		90											71
			2.5×2	2720	8840		123											138
			2.5×3	3850	13260		159											202
			3.5×1	2000	6190		103											98
	8	4.762	1.5×2	2220	6320	74	124	108	15	90	41	82	15	9	14	8.5	PT1/8"	86
			2.5×1	1900	5270		108											73
			2.5×2	3450	10540		152											141
			3.5×1	2540	7380		125											100
	10	6.35	1.5×2	3370	8335	82	141	124	18	102	47	94	20	11	17.5	11	PT1/8"	91
			2.5×1	2880	6950		131											71
			2.5×2	5220	13900		180											148
			3.5×1	3840	9730		151											105
	12	6.35	2.5×1	2880	6950	86	137	128	18	106	48	96	20	11	17.5	11	PT1/8"	76
			2.5×2	5220	13900		208											148
			3.5×1	3840	9730		161											105
45	6	3.969	2.5×2	2850	9870	80	123	114	15	96	48	96	15	9	14	8.5	PT1/8"	151
			2.5×3	4035	14800		159											222
	8	4.762	2.5×2	3650	11780	85	158	127	18	105	52	104	20	11	17.5	11	PT1/8"	155
			2.5×3	5175	17670		206											228
	10	6.35	2.5×2	5480	15700	88	180	132	18	110	50	100	20	11	17.5	11	PT1/8"	163
			2.5×3	7760	23550		243											239
	12	7.144	2.5×1	3550	8950	90	140	132	18	110	50	100	20	11	17.5	11	PT1/8"	85
			2.5×2	6440	17900		210											165



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
50	5	3.175	1.5×2	1410	5305	80	108	114	15	96	43	86	15	9	14	8.5	PT1/8"	98
			1.5×3	2000	7960		128											144
			2.5×2	2190	8840		113											159
			3.5×1	1610	6190		108											114
	6	3.969	1.5×2	1920	6600	84	111	118	15	100	45	90	15	9	14	8.5	PT1/8"	101
			2.5×2	2980	11000		123											164
			2.5×3	4220	16500		159											242
			3.5×1	2190	7700		107											117
	8	4.762	1.5×2	2515	7810	87	127	128	18	107	49	98	20	11	17.5	11	PT1/8"	104
			2.5×2	3900	13020		156											170
			2.5×3	5520	19530		208											250
			3.5×1	2870	9110		127											121
	10	6.35	1.5×2	3725	10450	93	151	135	18	113	51	102	20	11	17.5	11	PT1/8"	108
			2.5×1	3190	8710		132											91
			2.5×2	5790	17420		180											177
			2.5×3	8200	26130		243											261
			3.5×1	4260	12190		151											126
	12	7.144	2.5×1	3700	10050	100	140	146	18	122	55	110	20	14	20	13	PT1/8"	92
			2.5×2	6710	20100		210											179
55	10	6.35	2.5×2	6005	19540	102	181	144	18	122	54	108	20	11	17.5	11	PT1/8"	191
			2.5×3	8510	29310		243											281
63	10	6.35	2.5×1	3510	11200	108	136	154	22	130	58	116	20	14	20	13	PT1/8"	110
			2.5×2	6370	22400		189											213
			2.5×3	9020	33600		249											313
	12	7.938	2.5×1	4760	13820	115	144	161	22	137	61	122	20	14	20	13	PT1/8"	112
			2.5×2	8650	27560		214											218
	16	9.525	2.5×1	8050	23100	122	200	178	28	150	69	138	20	18	26	17.5	PT1/8"	144
			2.5×2	14600	46200		296											280
80	10	6.35	2.5×2	7130	28500	130	189	176	22	152	66	132	20	14	20	13	PT1/8"	258
			2.5×3	10100	42750		249											380
	12	7.938	2.5×2	9710	35560	136	220	182	22	158	68	136	20	14	20	13	PT1/8"	265
			2.5×3	13760	53340		292											391
	16	9.525	2.5×2	16450	59280	143	290	204	28	172	77	154	30	18	26	17.5	PT1/8"	339
			2.5×3	23300	88920		386											500

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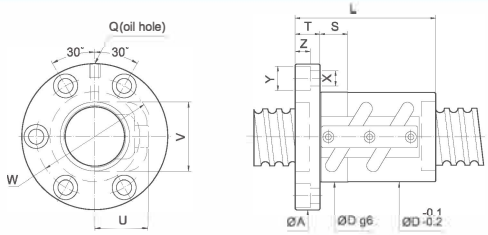
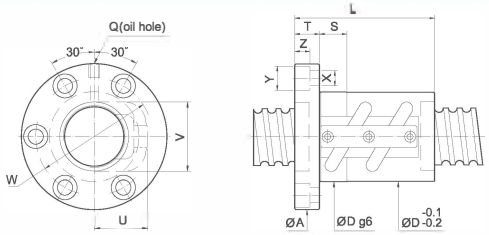
FSVC



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10^6 REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
14	4	2.381	2.5×1	410	750	25	40	45	10	35	10	5.5	9.5	5.5	19	21	M6×1P	14
	5	3.175	2.5×1	675	1145	25	42	45	10	35	10	5.5	9.5	5.5	19	21	M6×1P	15
15	4	2.381	2.5×1	420	800	28.5	40	48	10	38	10	5.5	9.5	5.5	17	22	M6×1P	14
	5	3.175	2.5×1	680	1210	28.5	42	48	10	38	10	5.5	9.5	5.5	17	22	M6×1P	15
16	5	3.175	1.5×2	805	1525	31	50	54	12	41	15	5.5	9.5	5.5	20	23	M6×1P	19
			2.5×1	690	1270		45											16
			2.5×2	1250	2540		60											31
			3.5×1	920	1780		50											22
20	5	3.175	1.5×2	965	2070	35	50	58	12	46	15	5.5	9.5	5.5	22	27	M6×1P	24
			2.5×1	830	1730		45											20
			2.5×2	1510	3460		60											39
			3.5×1	1110	2420		50											26
	6	3.969	1.5×2	1285	2545	36	66	60	12	47	15	5.5	9.5	5.5	23	28	M6×1P	24
			2.5×1	1100	2120		48											20
			3.5×1	1470	2970		66											28
25	6	3.969	1.5×2	1420	3215	42	65	68	12	55	15	5.5	9.5	5.5	28	33	M6×1P	29
			2.5×1	1210	2680		50											24
			2.5×2	2190	5360		68											47
			3.5×1	1610	3750		65											34
	10	4.762	1.5×2	1820	3840	45	75	72	16	58	15	6.6	11	6.5	29	35	M6×1P	30
			2.5×1	1560	3200		65											25
			3.5×1	2080	4480		75											35
28	5	3.175	1.5×2	1110	2960	44	50	70	12	56	15	6.6	11	6.5	28	35	M6×1P	31
			2.5×1	950	2470		45											26
			2.5×2	1720	4940		60											50
			3.5×1	1270	3460		50											36
	6	3.969	1.5×2	1480	3605	44	55	70	12	56	15	6.6	11	6.5	28	36	M6×1P	32
			2.5×1	1270	3000		50											26
			2.5×2	2300	6000		68											51
			3.5×1	1690	4200		55											37

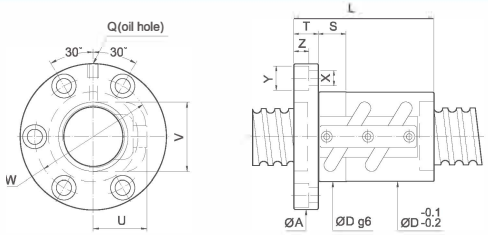


Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10^6 REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
32	5	3.175	1.5×2	1180	3410	50	50	76	12	63	15	6.6	11	6.5	30	39	M6×1P	34
			2.5×1	1010	2840		45											29
			2.5×2	1830	5680		60											56
			2.5×3	2590	8520		75											82
			3.5×1	1350	3980		50											40
	6	3.969	1.5×2	1560	4135	52	55	78	12	65	15	6.6	11	6.5	32	40	M6×1P	35
			2.5×1	1330	3450		50											29
			2.5×2	2410	6900		68											57
			3.5×1	1770	4830		55											40
	8	4.762	1.5×2	2010	5010	54	70	88	16	70	15	9	14	8.5	33	42	M6×1P	36
			2.5×1	1720	4180		62											30
			2.5×2	3120	8360		86											59
			3.5×1	2300	5850		70											42
	10	6.35	1.5×2	3000	6530	57	78	91	16	73	15	9	14	8.5	37	45	M8×1P	38
			2.5×1	2570	5440		68											32
			2.5×2	4660	10880		98											61
			3.5×1	3430	7620		78											44
36	6	3.969	2.5×1	1430	3950	55	50	82	12	68	15	6.6	11	6.5	32	45	M6×1P	33
			2.5×2	2600	7900		68											63
	10	6.35	1.5×2	3180	7410	62	82	104	18	82	20	11	17.5	11	40	49	M6×1P	41
			2.5×1	2720	6180		72											35
			2.5×2	4930	12360		102											68
			3.5×1	3630	8650		82											48

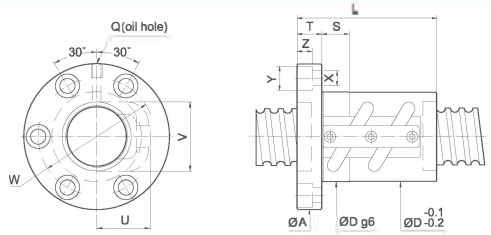
SBN Wälzlager
Passt. Genau.

FSVC



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
40	5	3.175	1.5×2	1280	4270	58	55	92	16	72	15	9	14	8.5	34	47	M8×1P	41
			2.5×1	1090	3560		50											34
			2.5×2	1980	7120		65											66
			2.5×3	2800	10680		80											98
			3.5×1	1450	4980		55											47
	6	3.969	1.5×2	1750	5300	60	60	94	16	76	15	9	14	8.5	36	48	PT1/8"	42
			2.5×1	1500	4420		54											35
			2.5×2	2720	8840		72											69
			2.5×3	3850	13260		90											101
			3.5×1	2000	6190		60											49
	8	4.762	1.5×2	2220	6320	62	70	96	16	78	15	9	14	8.5	38	50	PT1/8"	43
			2.5×1	1900	5270		62											36
			2.5×2	3450	10540		86											70
			3.5×1	2540	7380		70											50
	10	6.35	1.5×2	3370	8335	65	82	106	18	85	20	11	17.5	11	42	52	PT1/8"	45
			2.5×1	2880	6950		72											35
			2.5×2	5220	13900		102											74
			3.5×1	3840	9730		82											52
45	10	6.35	2.5×1	3020	7850	70	74	112	18	90	20	11	17.5	11	48	58	PT1/8"	42
			2.5×2	5480	15700		104											81
	12	7.144	2.5×1	3550	8950	74	87	122	18	97	20	14	20	13	49	60	PT1/8"	43
			2.5×2	6440	17900		123											82



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
50	5	3.175	1.5×2	1410	5305	70	63	104	16	86	15	9	14	8.5	40	57	PT1/8"	49
			1.5×3	2000	7960		73											72
			3.5×1	1610	6190		63											57
	6	3.969	2.5×2	2980	11000	72	75	106	16	88	15	9	14	8.5	43	59	PT1/8"	82
			2.5×3	4220	16500		93											121
	8	4.762	2.5×2	3900	13020	75	88	116	18	95	20	11	17.5	11	45	60	PT1/8"	85
			2.5×3	5520	19530		112											125
	10	6.35	1.5×2	3725	10450	78	84	119	18	98	20	11	17.5	11	48	62	PT1/8"	54
			2.5×1	3190	8710		74											45
			2.5×2	5790	17420		104											88
			2.5×3	8200	26130		134											130
			3.5×1	4260	12190		84											63
	12	7.144	2.5×1	3700	10050	82	87	128	22	105	20	14	20	13	52	64	PT1/8"	46
			2.5×2	6710	20100		123											89
55	10	6.35	2.5×2	6005	19540	84	100	125	18	103	20	11	17.5	11	54	68	PT1/8"	95
			2.5×3	8150	29310		130											140
63	10	6.35	2.5×1	3510	11200	90	77	132	20	110	20	11	17.5	11	53	76	PT1/8"	55
			2.5×2	6370	22400		107											106
			2.5×3	9020	33600		137											156
	12	7.938	2.5×1	4770	13780	94	88	142	22	117	20	14	20	13	57	76	PT1/8"	59
			2.5×2	8650	27560		124											113
			2.5×3	12250	41340		160											167
	16	9.525	2.5×1	8050	23100	100	105	150	22	123	20	14	20	13	62	79	PT1/8"	72
			2.5×2	14600	46200		153											140
80	10	6.35	2.5×2	7130	28500	115	109	163	22	137	20	14	20	13	64	91	PT1/8"	129
			2.5×3	10100	42750		139											190
	12	7.938	2.5×2	9710	35560	120	125	169	22	143	25	14	20	13	67	94	PT1/8"	137
			2.5×3	13760	53340		159											202
	16	9.525	2.5×2	16450	59280	125	156	190	28	154	25	18	26	17.5	70	96	PT1/8"	170
			2.5×3	23300	88920		204											250

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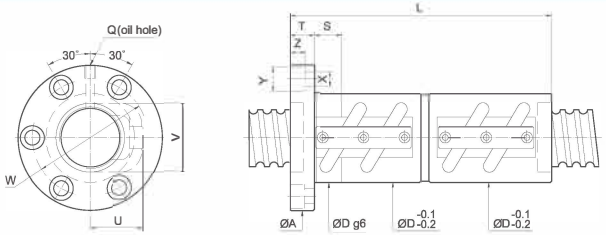
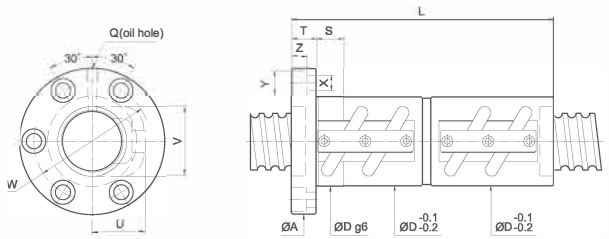
FDVC



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10^6 REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
16	5	3.175	1.5×2	805	1525	31	90	54	12	41	15	5.5	9.5	5.5	20	23	M6×1P	39
			2.5×1	690	1270		80											33
			2.5×2	1250	2540		110											63
			3.5×1	920	1780		90											45
20	5	3.175	1.5×2	965	2070	35	90	58	12	46	15	5.5	9.5	5.5	22	27	M6×1P	47
			2.5×1	830	1730		80											40
			2.5×2	1510	3460		110											77
			3.5×1	1110	2420		90											55
	6	3.969	1.5×2	1285	2545	36	104	60	12	47	15	5.5	9.5	5.5	23	28	M6×1P	49
			2.5×1	1100	2120		92											41
			3.5×1	1470	2970		104											56
25	5	3.175	1.5×2	1065	2575	40	90	64	12	52	15	5.5	9.5	5.5	25	32	M6×1P	57
			2.5×1	910	2150		80											48
			2.5×2	1650	4300		110											92
			3.5×1	1210	3010		90											65
	6	3.969	1.5×2	1420	3215	42	104	68	12	55	15	5.5	9.5	5.5	28	33	M6×1P	58
			2.5×1	1210	2680		92											49
			2.5×2	2190	5360		128											94
			3.5×1	1610	3750		104											67
	10	4.762	1.5×2	1820	3840	45	136	72	16	58	15	6.6	11	6.5	29	35	M6×1P	60
			2.5×1	1560	3200		122											50
			3.5×1	2080	4480		136											69
28	5	3.175	1.5×2	1110	2960	44	90	70	12	56	15	6.6	11	6.5	28	35	M6×1P	62
			2.5×1	950	2470		80											52
			2.5×2	1720	4940		110											101
			3.5×1	1270	3460		90											72
	6	3.969	1.5×2	1480	3605	44	110	70	12	56	15	6.6	11	6.5	28	36	M6×1P	63
			2.5×1	1270	3000		98											53
			2.5×2	2300	6000		134											103
			3.5×1	1690	4200		110											73



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10^6 REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
32	5	3.175	1.5×2	1180	3410	50	90	76	12	63	15	6.6	11	6.5	30	39	M6×1P	69
			2.5×1	1010	2840		80											58
			2.5×2	1830	5680		110											112
			2.5×3	2590	8520		140											164
			3.5×1	1350	3980		90											80
	6	3.969	1.5×2	1560	4135	52	104	78	12	65	15	6.6	11	6.5	32	40	M6×1P	70
			2.5×1	1330	3450		92											59
			2.5×2	2410	6900		128											114
			3.5×1	1770	4830		104											81
	8	4.762	1.5×2	2010	5010	54	126	88	16	70	15	9	14	8.5	33	42	M6×1P	73
			2.5×1	1720	4180		110											61
			2.5×2	3120	8360		158											118
			3.5×1	2300	5850		126											84
	10	6.35	1.5×2	3000	6530	57	142	91	16	73	15	9	14	8.5	37	45	M8×1P	76
			2.5×1	2570	5440		122											64
			2.5×2	4660	10880		182											123
			3.5×1	3430	7620		142											88
36	6	3.969	2.5×1	1430	3950	55	92	82	12	68	15	6.6	11	6.5	32	45	M6×1P	65
			2.5×2	2600	7900		128											126
	10	6.35	1.5×2	3180	7410	62	144	104	18	82	20	11	17.5	11	40	49	M6×1P	83
			2.5×1	2720	6180		124											70
			2.5×2	4930	12360		184											136
			3.5×1	3630	8650		144											90

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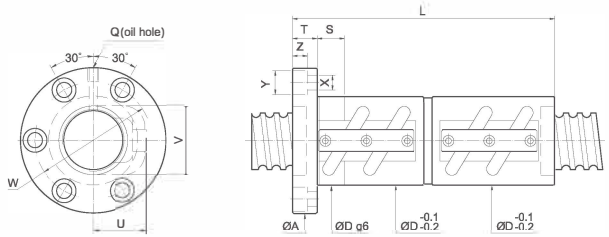
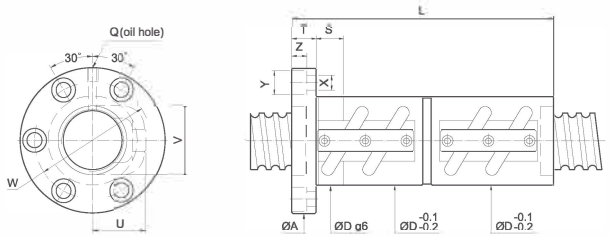
FDVC



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
40	5	3.175	1.5×2	1280	4275	58	94	92	16	72	15	9	14	8.5	34	47	M8×1P	82
			2.5×1	1090	3560		84											69
			2.5×2	1980	7120		114											133
			2.5×3	2800	10680		144											196
			3.5×1	1450	4980		94											95
	6	3.969	1.5×2	1750	5300	60	108	94	16	76	15	9	14	8.5	36	48	PT1/8"	85
			2.5×1	1500	4420		96											71
			2.5×2	2720	8840		132											138
			2.5×3	3850	13260		168											202
			3.5×1	2000	6190		108											98
	8	4.762	1.5×2	2220	6320	62	126	96	16	78	15	9	14	8.5	38	50	PT1/8"	86
			2.5×1	1900	5270		110											73
			2.5×2	3450	10540		158											141
			3.5×1	2540	7380		126											100
	10	6.35	1.5×2	3370	8335	65	152	106	18	85	20	11	17.5	11	42	52	PT1/8"	91
			2.5×1	2880	6950		132											71
			2.5×2	5220	13900		192											148
			3.5×1	3840	9730		152											105
45	10	6.35	2.5×1	3020	7850	70	134	112	18	90	20	11	17.5	11	48	58	PT1/8"	84
			2.5×2	5480	15700		194											163
	12	7.144	2.5×1	3550	8950	74	158	122	18	97	20	14	20	13	49	60	PT1/8"	85
			2.5×2	6440	17900		230											165



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*)		NUT		FLANGE			FIT	BOLT			RETURN TUBE		OIL HOLE	STIFFNESS
O.D.	LEAD			Dynamic (1×10⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	S	X	Y	Z	U	V	Q	*kgf/μm*
50	5	3.175	1.5×2	1410	5305	70	107	104	16	86	15	9	14	8.5	40	57	PT1/8"	98
			1.5×3	2000	7960		127											144
			3.5×1	1610	6190		107											114
	6	3.969	2.5×2	2980	11000	72	134	106	16	88	15	9	14	8.5	43	59	PT1/8"	164
			2.5×3	4220	16500		170											242
	8	4.762	2.5×2	3900	13020	75	160	116	18	95	20	11	17.5	11	45	60	PT1/8"	170
			2.5×3	5520	19530		208											250
	10	6.35	1.5×2	3725	10450	78	154	119	18	98	20	11	17.5	11	48	62	PT1/8"	119
			2.5×1	3190	8710		134											91
			2.5×2	5790	17420		194											177
			2.5×3	8200	26130		254											261
			3.5×1	4260	12190		154											126
	12	7.144	2.5×1	3700	10050	82	160	128	22	105	20	14	20	13	52	64	PT1/8"	92
			2.5×2	6710	20100		232											179
55	10	6.35	2.5×2	6005	19540	84	194	125	18	103	20	11	17.5	11	54	68	PT1/8"	191
			2.5×3	8510	29310		254											281
63	10	6.35	2.5×1	3510	11200	90	136	132	20	110	20	11	17.5	11	53	76	PT1/8"	110
			2.5×2	6370	22400		196											213
			2.5×3	9020	33600		256											313
	12	7.938	2.5×1	4760	13820	94	160	142	22	117	20	14	20	13	57	76	PT1/8"	112
			2.5×2	8650	27560		232											218
			2.5×3	12250	41340		304											322
	16	9.525	2.5×1	8050	23100	100	200	150	22	123	20	14	20	13	62	79	PT1/8"	144
			2.5×2	14600	46200		296											280
80	10	6.35	2.5×2	7130	28500	115	200	163	22	137	20	14	20	13	64	91	PT1/8"	258
			2.5×3	10100	42750		260											380
	12	7.938	2.5×2	9710	35560	120	232	169	22	143	25	14	20	13	67	94	PT1/8"	265
			2.5×3	13760	53340		302											391
	16	9.525	2.5×2	16450	59280	125	302	190	28	154	25	18	26	17.5	70	96	PT1/8"	339
			2.5×3	23300	88920		398											500

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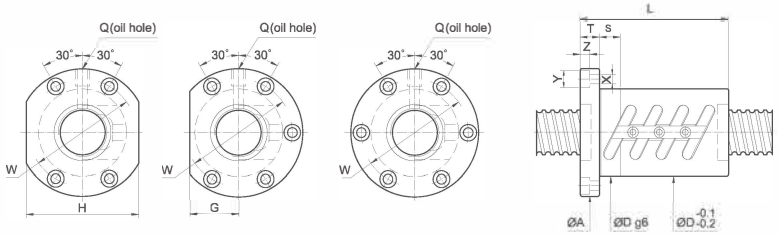
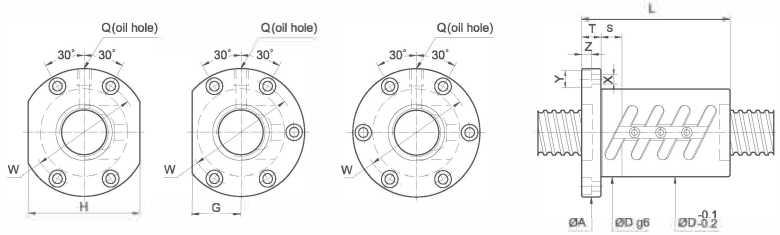
FOWC



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
20	4	2.381	2.5×1×(2)	450	1060	40	50	63.5	11	51	21	42	10	5.5	9.5	5.5	M6×1P	32
			3.5×1×(2)	600	1480		60											49
	5	3.175	2.5×1×(2)	830	1730	44	56	67	11	55	26	52	15	5.5	9.5	5.5	M6×1P	40
			3.5×1×(2)	1110	2420		65											55
	6	3.969	2.5×1×(2)	1100	2120	48	67	71	11	59	27	54	15	5.5	9.5	5.5	M6×1P	41
	8	3.969	2.5×1×(2)	1100	2120	48	78	75	13	61	27	54	15	6.6	11	6.5	M6×1P	41
25	4	2.381	2.5×1×(2)	510	1355	46	50	69	11	57	26	52	15	5.5	9.5	5.5	M6×1P	43
			2.5×2×(2)	930	2710		74											84
	5	3.175	2.5×1×(2)	910	2150	50	55	73	11	61	28	56	15	5.5	9.5	5.5	M6×1P	48
			2.5×2×(2)	1650	4300		85											92
	6	3.969	2.5×1×(2)	1210	2680	53	62	76	11	64	29	58	15	5.5	9.5	5.5	M6×1P	49
			2.5×2×(2)	2190	5360		98											94
	8	4.762	2.5×1×(2)	1560	3200	58	77	85	13	71	32	64	15	6.6	11	6.5	M6×1P	50
	10	4.762	2.5×1×(2)	1560	3200	58	100	85	15	71	32	64	15	6.6	11	6.5	M6×1P	50
28	5	3.175	2.5×1×(2)	950	2470	55	56	83	12	69	31	62	15	6.6	11	6.5	M8×1P	52
			2.5×2×(2)	1720	4940		86											101
	6	3.969	2.5×1×(2)	1270	3000	55	63	83	12	69	31	62	15	6.6	11	6.5	M8×1P	53
			2.5×2×(2)	2300	6000		100											103
	10	4.762	1.5×1×(2)	1045	2120	60	74	93	15	76	36	72	15	9	14	8.5	M8×1P	34
32	4	2.381	2.5×1×(2)	565	1750	54	50	81	12	67	32	64	15	6.6	11	6.5	M6×1P	52
			2.5×2×(2)	1020	3500		76											101
	5	3.175	2.5×1×(2)	1010	2840	58	57	85	12	71	32	64	15	6.6	11	6.5	M8×1P	58
			2.5×2×(2)	1830	5680		87											112
	6	3.969	2.5×1×(2)	1330	3450	62	63	88	12	75	34	68	15	6.6	11	6.5	M8×1P	59
			2.5×2×(2)	2410	6900		99											114
	8	4.762	1.5×1×(2)	1110	2510	66	64	100	15	82	38	76	15	9	14	8.5	M8×1P	37
			2.5×1×(2)	1720	4180		80											61
	10	6.35	1.5×1×(2)	1660	3260	74	78	108	15	90	41	82	15	9	14	8.5	M6×1P	39
			2.5×1×(2)	2570	5440		97											64
	12	6.35	1.5×1×(2)	1660	3260	74	88	108	18	90	41	82	15	9	14	8.5	M8×1P	39
			2.5×1×(2)	2570	5440		110											64



Unit: *mm*

SCREW SIZE O.D.	SCREW SIZE LEAD	BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (*kgf*) Dynamic (1×10⁶ REV.) Ca	BASIC RATE LOAD (*kgf*) Static Co	NUT Dg6	NUT L	FLANGE A	FLANGE T	FLANGE W	FLANGE G	FLANGE H	FIT S	BOLT X	BOLT Y	BOLT Z	OIL HOLE Q	STIFFNESS *kgf/μm*
36	5	3.175	2.5×1×(2)	1060	3210	65	60	98	15	82	38	76	15	9	14	8.5	M8×1P	64
			2.5×2×(2)	1920	6420		90											123
	6	3.969	2.5×1×(2)	1430	3950	65	66	98	15	82	38	76	15	9	14	8.5	M8×1P	65
			2.5×2×(2)	2600	7900		102											126
	10	6.35	1.5×1×(2)	1750	3710	75	81	118	18	98	45	90	15	11	17.5	11	M8×1P	43
			2.5×1×(2)	2720	6180		103											70
40	5	3.175	2.5×1×(2)	1090	3560	67	60	101	15	83	39	78	15	9	14	8.5	M8×1P	69
			2.5×2×(2)	1980	7120		90											133
	6	3.969	2.5×1×(2)	1500	4420	70	66	104	15	86	40	80	15	9	14	8.5	PT1/8"	71
			2.5×2×(2)	2720	8840		102											138
	8	4.762	2.5×1×(2)	1900	5270	74	83	108	15	90	41	82	15	9	14	8.5	PT1/8"	73
			2.5×2×(2)	3450	10540		131											141
	10	6.35	1.5×1×(2)	1860	4710	82	81	124	18	102	47	94	20	11	17.5	11	PT1/8"	47
			2.5×1×(2)	2880	6950		103											76
			3.5×1×(2)	3850	9730		121											105
	12	6.35	2.5×1×(2)	2880	6950	86	112	128	18	106	48	96	20	11	17.5	11	PT1/8"	76
45	10	6.35	2.5×1×(2)	3020	7850	88	101	132	18	110	50	100	20	11	17.5	11	PT1/8"	84
	12	7.144	2.5×1×(2)	3550	8950	90	112	132	18	110	50	100	20	11	17.5	11	PT1/8"	85
50	5	3.175	2.5×1×(2)	1210	4420	80	60	114	15	96	43	86	15	9	14	8.5	PT1/8"	83
	6	3.969	2.5×2×(2)	2980	11000	84	103	118	15	100	45	90	15	9	14	8.5	PT1/8"	164
	8	4.762	2.5×2×(2)	3900	13020	87	134	129	18	107	49	98	20	11	17.5	11	PT1/8"	170
	10	6.35	2.5×1×(2)	3190	8710	93	101	135	18	113	51	102	20	11	17.5	11	PT1/8"	91
			2.5×2×(2)	5790	17420		161											177
			3.5×1×(2)	4260	12190		121											126
	12	7.144	2.5×1×(2)	3700	10050	100	116	146	22	122	55	110	20	14	20	13	PT1/8"	92
55	10	6.35	2.5×1×(2)	3310	9770	102	101	144	18	122	54	108	20	11	17.5	11	PT1/8"	98
			2.5×2×(2)	6005	19540		161											191
63	10	6.35	2.5×1×(2)	3510	11200	108	105	154	22	130	58	116	20	14	20	13	PT1/8"	110
			2.5×2×(2)	6370	22400		165											213
	12	7.938	2.5×1×(2)	4770	13780	115	124	161	22	137	61	122	20	14	20	13	PT1/8"	113