



Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS	BASIC RATE LOAD (kgf)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS kgf/mm
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	
16	4	2.381	3	435	920	30	66	48.5	10	39	20	40	10	4.5	8	4.5	M6×1P	31
	5	3.175	3	765	1240	30	80	49	10	39	20	40	10	4.5	8	4.5	M6×1P	35
20	5	3.175	3	860	1710	34	82	57	12	45	20	40	12	5.5	9.5	5.5	M6×1P	43
			4	1100	2280		92											56
25	6	3.969	3	1080	2050	34	93	57	12	45	20	40	12	5.5	9.5	5.5	M6×1P	43
			4	1380	2730		107											56
25	5	3.175	3	980	2300	40	82	63.5	12	51	22	44	15	5.5	9.5	5.5	M8×1P	51
			4	1250	3070		92											67
	6	3.969	3	1275	2740	40	93	63.5	12	51	22	44	15	5.5	9.5	5.5	M8×1P	52
			4	1630	3650		107											68
10	3.175	3	980	2300	40	129	68	15	55	26	52	15	6.6	11	6.5	M8×1P	51	
	4.762	3	1620	3205	42	140	68.5	15	55	26	52	15	6.6	11	6.5	M8×1P	53	
32	5	3.175	3	1095	3060	48	82	73.5	12	60	30	60	15	6.6	11	6.5	M8×1P	63
			4	1400	4080		92											82
			6	1980	6120		118											122
	6	3.969	3	1500	3750	48	93	73.5	12	60	30	60	15	6.6	11	6.5	M8×1P	65
			4	1920	5000		109											86
			6	2720	7500		133											125
	8	4.762	3	1820	4230	50	117	83	16	66	32	64	15	6.6	11	6.5	M8×1P	66
			4	2330	5640		135											86
10	6.35	3	2605	5310	54	139	88.5	16	70	34	68	15	9	14	8.5	M8×1P	67	
		4	3340	7080		160											89	
12	6.35	3	2605	5310	54	153	88	16	70	34	68	15	9	14	8.5	M8×1P	67	
		5	4040	8850		203											110	
36	5	3.175	4	1490	4690	52	96	88	16	70	34	68	15	9	14	8.5	M8×1P	91
	8	4.762	4	2530	6630	55	138	88	16	72	34	68	15	9	14	8.5	M8×1P	95
	10	6.35	3	2810	6210	58	138	98	18	77	36	72	20	11	17.5	11	M8×1P	75
4	3600	8280	159	98														

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SCREW SIZE		BALL DIA.	EFFECTIVE TURNS	BASIC RATE LOAD (kgf)		NUT		FLANGE					FIT		BOLT			OIL HOLE	STIFFNESS kgf/mm
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q		
40	5	3.175	4	1575	5290		96												100
			5	1910	6610	55	111	88.5	16	72	29	58	15	9	14	8.5	M8×1P	124	
			6	2230	7940		122												147
	6	3.969	3	1660	4810		97												77
			4	2130	6410	55	113	88.5	16	72	34	68	15	9	14	8.5	M8×1P	103	
			6	3020	9620		137												149
	8	4.762	3	2120	5720		121												80
			4	2720	7620	60	134	93	16	76	36	72	20	9	14	8.5	M8×1P	105	
			6	3850	11430		172												154
	10	6.35	3	3010	7100		142												82
			4	3850	9470	64	162	106	18	84	43	86	20	11	17.5	11	M8×1P	107	
			5	4670	11830		189												133
12	6.35	3	3010	7100		154												82	
		5	4670	11830	63	204	106	18	84	43	86	20	11	17.5	11	M8×1P	133		
	7.144	3	4010	9250		160												86	
			4	5130	12330	70	185	110	18	85	45	90	20	11	17.5	11	M8×1P	114	
45	8	4.762	4	2870	8620	64	136	92	16	75	36	72	15	9	14.5	9	M6×1P	109	
	12	7.144	3	4160	10750		158											94	
			4	5330	14330	70	183	110	16	90	45	90	20	11	17.5	11	PT1/8"	124	
16	6.35	3	3220	8200	70	198	110	16	90	45	90	20	11	17.5	11	PT1/8"	90		

Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS	BASIC RATE LOAD (kgf)		NUT		FLANGE					FIT	BOLT			OIL HOLE	STIFFNESS kgf/μm	
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q		
50	5	3.175	4	1730	6760		96											119	
			5	2100	8450	66	111	98	16	82	36	72	20	9	14	8.5	PT1/8"	148	
			6	2450	10140		122												174
	6	3.969	4	2380	8250		111												123
			5	2880	10310	66	122	98	16	82	36	72	20	9	14	8.5	PT1/8"	151	
			6	3370	12380		142												181
	8	4.762	4	3010	9610		136												125
			5	3650	12010	70	157	113	18	90	42	84	20	11	17.5	11	PT1/8"	155	
			6	4260	14420		174												185
	10	6.35	3	3430	9300		143												99
			4	4390	12400		162												129
			5	5320	15500	74	189	114	18	92	42	84	20	11	17.5	11	PT1/8"	161	
			6	6220	18600		205												191
	12	7.144	5	6680	20420	75	213	121	22	97	47	94	20	14	20	13	PT1/8"	166	
		7.938	3	4510	11150	75	171	121	22	97	47	94	20	14	20	13	PT1/8"	101	
				4	5770	14870		195											132
	16	6.35	3	3430	9300	74	201	114	18	92	42	84	20	11	17.5	11	PT1/8"	99	
	20	7.938	3	4510	11150	78	253	121	28	97	47	94	20	14	20	13	PT1/8"	101	

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SCREW SIZE		BALL DIA.	EFFECTIVE TURNS	BASIC RATE LOAD (kgf)		NUT		FLANGE					FIT		BOLT			OIL HOLE	STIFFNESS kgf/μm
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q		
63	6	3.969	4	2610	10550	80	120	122	18	100	45	90	20	11	17.5	11	PT1/8"	146	
			6	3700	15830		144											217	
	8	4.762	4	3375	12200	82	141	124	18	102	46	92	20	11	17.5	11	PT1/8"	151	
			6	4780	18300		178											222	
	10	6.35	4	5020	16450	85	166	132	22	107	48	96	20	14	20	13	PT1/8"	158	
6			7110	24680	209		232												
12	7.938	4	6580	19430	90	195	136	22	112	52	104	20	14	20	13	PT1/8"	161		
		6	9320	29150		248											236		
20	9.525	3	8490	23610	95	255	153	28	123	59	118	20	18	26	17.5	PT1/8"	157		
		4	10870	31480		296											207		
80	10	6.35	4	5510	21200	105	166	151	22	127	57	114	20	14	20	13	PT1/8"	190	
			5	6670	26500		185											235	
			6	7810	31800		209											280	
	12	7.938	4	7500	25700	110	195	156	22	132	59	118	20	14	20	13	PT1/8"	196	
			6	10620	38550		248											288	
20	9.525	3	9770	31700	115	254	173	28	143	66	132	20	18	26	17.5	PT1/8"	193		
		4	12510	42270		297											254		
		6	17720	63410		376											373		
100	10	6.35	3	4760	20090	125	143	171	22	147	67	134	25	14	20	13	PT1/8"	173	
			4	6090	26790		164											228	
			5	7380	33490		184											281	
			6	8630	40190		210											334	
	16	9.525	4	14440	54960	135	252	205	28	169	73	146	30	18	26	17.5	PT1/8"	266	
			5	17490	68700		285											329	
			6	20460	82440		318											391	
20	9.525	4	14440	54960	135	299	205	28	169	73	146	30	18	26	17.5	PT1/8"	266		
		5	17490	68700		340											329		
		6	20460	82440		381											391		