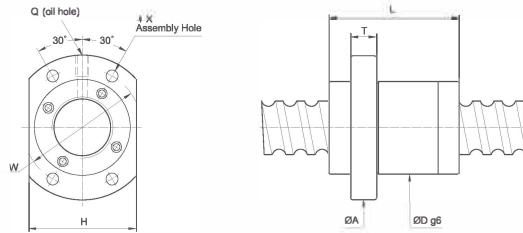


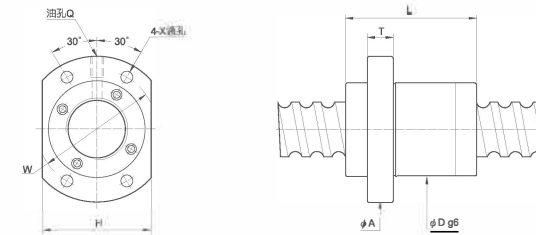
Features

The back system is designed by the front and rear ends of cycle paths, with the nut on the through-hole as the ball back, so that all nuts are covered with bead groove ball so effectively in the same length under the nut, end plugs nuts than the outer cycle nut with higher dynamic loads.



Unit: mm

SCREW SIZE		BALL DIA	EFFECTIVE TURNS circuit x number of thread	BASIC RATE LOAD (kgf)		BALLNUT DIMENSION									
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co	NUT		FLANGE			BOLT	OIL HOLE	STIFFNESS		
						Dg6	L	A	T	H	W	X		Q	kgf/μm
15	10	3.175	2.8x2	1410	2800	34	44	57	10	40	45	5.5	M6x1P	34	
16	16	3.175	1.8x2	700	1400	32	38	53	10	38	42	4.5	M6x1P	18	
20	20	3.175	1.8x2	1100	2500	39	52	62	10	46	50	5.5	M6x1P	29	
25	25	3.969	1.8x2	1650	3900	47	62	74	12	56	60	6.6	M6x1P	35	
			1.8x4	2830	7800									69	
32	32	4.762	1.8x2	2360	5940	58	78	92	15	68	74	9	M6x1P	44	
			1.8x4	4280	11800									87	
36	24	7.144	2.8x2	6450	15220	75	94	115	18	86	94	11	M6x1P	77	
40	40	6.35	1.8x2	3860	9900	73	95	114	17	84	93	11	M6x1P	55	
			1.8x4	7000	19880									108	
50	50	7.938	1.8x2	5800	15800	90	122	135	20	104	112	14	M6x1P	68	
			1.8x4	10520	31600									135	



Unit: mm

SCREW SIZE		BALL DIA	EFFECTIVE TURNS circuit x number of thread	BASIC RATE LOAD (kgf)		BALLNUT DIMENSION									
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co	NUT		FLANGE			BOLT	OIL HOLE	STIFFNESS		
						Dg6	L	A	T	H	W	X		Q	kgf/μm
15	30	3.715	0.8x2	480	800	32	34	53	10	33	43	5.5	M6x1P	12	
			1.8x1	530	900									64	13
20	40	3.175	0.8x2	550	1110	38	41	58	10	40	48	5.5	M6x1P	14	
			1.8x1	610	1250									81	16
25	50	3.969	0.8x2	820	1730	46	50	70	12	48	58	6.6	M6x1P	17	
			1.8x1	910	1950									100	19

High Lead Ballscrews

High-lead Ballscrews are essential elements and parts for high-speed machine tools of next century.

Features

It is important for a High-lead Ballscrew to be with characteristics of high rigidity, low noise and thermal control. *PMI*'s designs and treatments are taken for following:

High DN Value

The DN value can be 130,000 in normal case. For some special cases, for example in a fixed ends case, the DN value can be as high as 140,000. Please contact our engineers for this special application.

High Speed

PMI's High-speed Ballscrews provide 100 *m/min* and even higher traverse speed for machine tools for high performance cutting.

High Rigidity

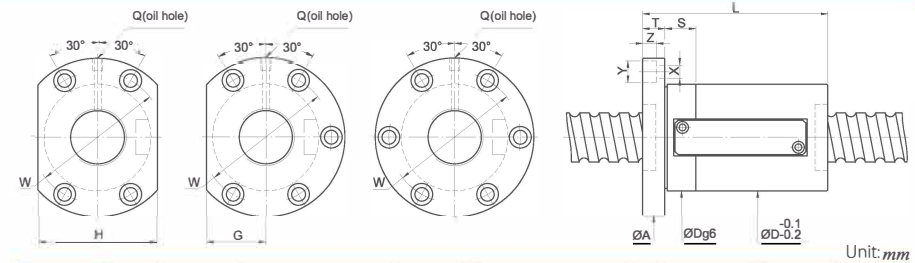
Both the screw and ballnut are surface hardened to a specific hardness and case depth to maintain high rigidity and durability.

Multiple thread starts are available to make more steel balls loaded in the ballnut for higher rigidity and durability.

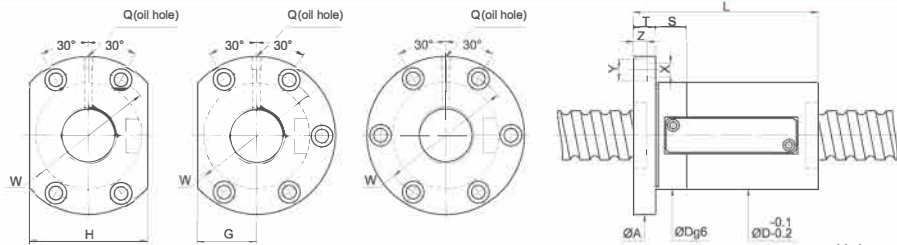
Low Noise

Special design of ball circulation tubes offer smooth ball circulation inside the ballnut. It also makes safe ball fast running into the tubes without damaging the tubes.

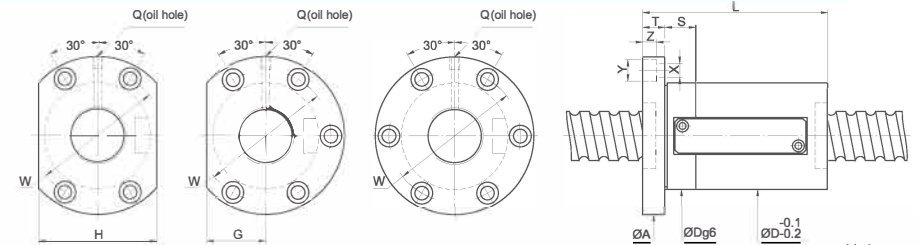
Accurate ball circle diameter (BCD) through whole threads for consistent drag torque and low noise.



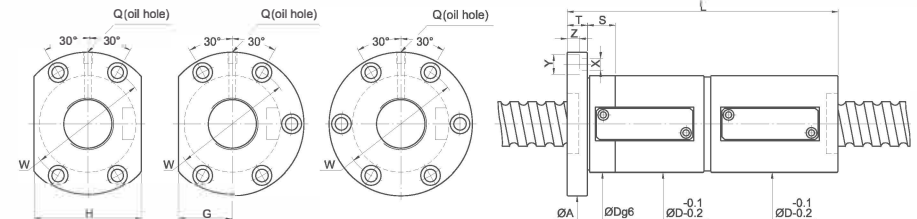
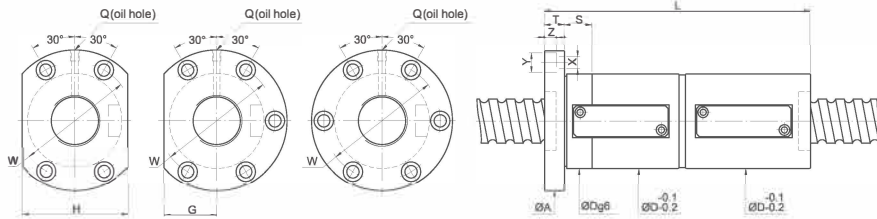
SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT		FLANGE					FIT			BOLT		OIL HOLE	STIFFNESS
Q.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co	Dg6	L	A	T	W	G	H	S	X	Y	Z	Q	kgf/µm	
12	10	2.381	2.5x1	420	720	30	50	50	10	40	16	32	10	4.5	8	4.4	M6x1P	20	
	10	3.969	2.5x1	1210	2380	46	63	73.5	13	59	25	50	10	5.5	9.5	5.5	M6x1P	34	
			3.5x1	1580	3230													45	
	16	3.969	1.5x1	830	1530	46	63	73.5	13	59	25	50	10	5.5	9.5	5.5	M6x1P	24	
2.5x1			1210	2380	34														
20	16	3.969	1.5x1	830	1530	46	70	73	13	59	25	50	10	5.5	9.5	5.5	M6x1P	24	
	16	3.969	1.5x1	920	1930	58	68	85	15	71	32	64	15	6.6	11	6.5	M6x1P	28	
			2.5x1	1340	3000													40	
	20	4.762	1.5x1	1170	2300	58	94	85	15	71	32	64	15	6.6	11	6.5	M6x1P	29	
2.5x1			1710	3580	42														
25	16	3.969	3.5x1	2220	4860	62	99	108	15	90	41	82	15	9	14	8.5	M8x1P	55	
			5x1	2340	6620													77	
			2.5x1	2830	6090													54	
			2.5x1	2830	6090													54	
	16	6.35	3.5x1	3680	8270	74	124	108	18	88	41	82	15	11	17.5	11	M8x1P	69	
			5x1	4490	10450													85	
			1.5x1	1010	2480													33	
			2.5x1	1470	3860													48	
	32	20	3.969	3.5x1	1910	5240	62	114	108	15	90	41	82	15	9	14	8.5	M8x1P	63
				5x1	2340	6610													77
				2.5x1	2830	6090													54
				2.5x1	2830	6090													54
20		6.35	3.5x1	3680	8270	74	124	108	18	88	41	82	15	11	17.5	11	M8x1P	69	
			5x1	4490	10450													85	
			1.5x1	1010	2480													33	
			2.5x1	1470	3860													48	



SCREW SIZE	BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE						FIT	BOLT	OIL HOLE	STIFFNESS				
			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	G					H	S	X	Y
36	10	6.35	3.5x1	3890	9390	75	84	118	18	98	45	90	15	11	17.5	11	M8x1P	76	
			5x1	4750	11860													94	93
	12	6.35	2.5x1	2990	6920	75	97	118	18	98	45	90	15	11	17.5	11	M8x1P	58	
			5x1	4750	11860													109	93
	16	6.35	2.5x1	2990	6920	75	107	118	18	98	45	90	15	11	17.5	11	M8x1P	58	
			5x1	4750	11860													123	93
	20	6.35	1.5x1	2050	4450	75	111	118	18	98	45	90	15	11	17.5	11	PT1/8"	41	
			2.5x1	2990	6920													111	58
			3.5x1	3890	9390													131	76
	40	10	6.35	3.5x1	4130	10560	86	86	128	18	106	49	98	15	11	17.5	11	PT1/8"	82
				5x1	5050	13340													96
		12	6.35	2.5x1	3180	7780	86	98	128	18	106	49	98	15	11	17.5	11	PT1/8"	63
5x1				4130	10560	110													101
16		6.35	2.5x1	3180	7780	86	108	128	18	106	49	98	15	11	17.5	11	PT1/8"	63	
			5x1	4130	10560													124	101
16		7.144	2.5x1	3740	8790	86	108	128	18	106	49	98	15	11	17.5	11	PT1/8"	65	
			5x1	4870	11930													124	103
20		6.35	1.5x1	2180	5000	86	104	128	18	106	49	98	15	11	17.5	11	PT1/8"	43	
			2.5x1	3180	7780													124	63
			3.5x1	4130	10560													144	82
			5x1	5050	13340													144	101
40	6.35	1.5x1	2180	5000	86	130	128	18	106	49	98	15	11	17.5	11	PT1/8"	43		



SCREW SIZE	BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE						FIT	BOLT	OIL HOLE	STIFFNESS				
			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	G					H	S	X	Y
10	6.35	3.5x1	4560	13230	93	85	135	18	113	51	102	20	11	17.5	11	PT1/8"	97		
			5580	16710													95	119	
	12	6.35	2.5x1	3510	9750	93	80	135	18	113	51	102	20	11	17.5	11	PT1/8"	74	
			5x1	5580	16710													104	119
	12	7.144	2.5x1	4080	11260	100	93	105	146	25	122	55	110	20	14	20	13	PT1/8"	75
			5x1	5300	15280														117
16	6.35	2.5x1	3510	9750	93	94	110	135	18	113	51	102	20	11	17.5	11	PT1/8"	121	
		3.5x1	4560	13230														126	97
		5x1	5580	16710														126	119
		2.5x1	4080	11260														100	75
20	7.144	3.5x1	5300	15280	100	116	146	25	122	55	110	15	14	20	13	PT1/8"	99		
		5x1	6480	19300													132	121	
		1.5x1	2790	7240													104	52	
		2.5x1	4080	11260													124	75	
20	7.938	3.5x1	6180	16400	105	139	152	25	128	58	116	20	14	20	13	PT1/8"	101		
		5x1	7550	20720													159	124	
50	7.938	1.5x1	3250	7770	105	157	152	25	128	58	116	20	14	20	13	PT1/8"	53		

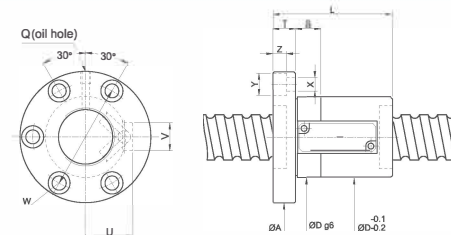
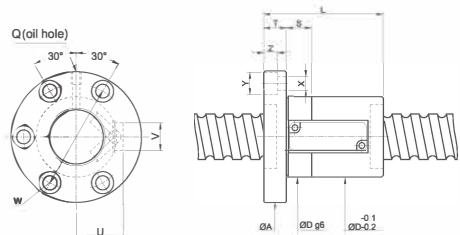


Unit: mm

Unit: mm

SCREW SIZE	BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE						FIT	BOLT	OIL HOLE	STIFFNESS				
			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	G					H	S	X	Y
36	10	6.35	3.5x1	3890	9390	75	155	118	18	98	45	90	15	11	17.5	11	M8x1P	115	
			5x1	4750	11860	175	175												143
		2.5x1	2990	6920	140														88
	12	6.35	3.5x1	3890	9390	75	164	118	18	98	45	90	15	11	17.5	11	M8x1P	115	
			5x1	4750	11860	188													143
		2.5x1	2990	6920	171														88
	16	6.35	3.5x1	3890	9390	75	203	118	18	98	45	90	15	11	17.5	11	M8x1P	115	
			5x1	4750	11860	235													143
		1.5x1	2050	4450	164														59
	20	6.35	2.5x1	2990	6920	75	204	118	18	98	45	90	15	11	17.5	11	PT1/8"	88	
			3.5x1	3890	9390	244													115
			5x1	4750	11860	284													143
40	10	6.35	3.5x1	4130	10560	86	155	128	18	106	49	98	15	11	17.5	11	PT1/8"	125	
			5x1	5050	13340	175	175												155
		2.5x1	3180	7780	141														95
	12	6.35	3.5x1	4130	10560	86	165	128	18	106	49	98	15	11	17.5	11	PT1/8"	125	
			5x1	5050	13340	189													155
		2.5x1	3180	7780	173														95
	16	6.35	3.5x1	4130	10560	86	205	128	18	106	49	98	15	11	17.5	11	PT1/8"	125	
			5x1	5050	13340	237													155
		2.5x1	3180	7780	173														95
	16	7.144	3.5x1	4870	11930	86	205	128	18	106	49	98	15	11	17.5	11	PT1/8"	128	
			5x1	5950	15070	237													159
			1.5x1	2180	5000	143													64
20	6.35	2.5x1	3180	7780	86	183	128	18	106	49	98	15	11	17.5	11	PT1/8"	95		
		3.5x1	4130	10560	223													125	
		5x1	5050	13340	263													155	
40	6.35	1.5x1	2180	5000	86	242	128	18	106	49	98	15	11	17.5	11	PT1/8"	64		

SCREW SIZE	BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE						FIT	BOLT	OIL HOLE	STIFFNESS				
			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	G					H	S	X	Y
50	10	6.35	3.5x1	4560	13230	93	155	135	18	113	51	102	20	11	17.5	11	PT1/8"	149	
			5x1	5580	16710	175	175												185
		2.5x1	3510	9750	141														112
	12	6.35	3.5x1	4560	13230	93	165	135	18	113	51	102	20	11	17.5	11	PT1/8"	149	
			5x1	5580	16710	189													185
		2.5x1	4080	11260	161														114
	12	7.144	3.5x1	5300	15280	100	185	146	25	122	55	110	20	14	20	13	PT1/8"	151	
			5x1	6480	19300	209													187
			2.5x1	3510	9750	174													112
	16	6.35	3.5x1	4560	13230	93	206	135	18	113	51	102	20	11	17.5	11	PT1/8"	149	
			5x1	5580	16710	238													185
			2.5x1	4080	11260	173													114
16	7.144	3.5x1	5300	15280	100	205	146	25	122	55	110	15	14	20	13	PT1/8"	151		
		5x1	6480	19300	237													187	
		1.5x1	2790	7240	172													77	
20	7.144	2.5x1	4080	11260	100	204	146	25	122	55	110	15	14	20	13	PT1/8"	114		
		3.5x1	5300	15280	244													151	
		5x1	6480	19300	284													187	
20	7.938	2.5x1	4750	12090	219													117	
		3.5x1	6180	16400	105	259	152	25	128	58	116	20	14	20	13	PT1/8"	154		
		5x1	7550	20720	299													191	
50	7.938	1.5x1	3250	7770	105	305	152	25	128	58	116	20	14	20	13	PT1/8"	79		

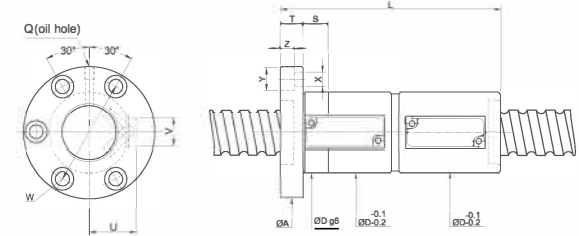
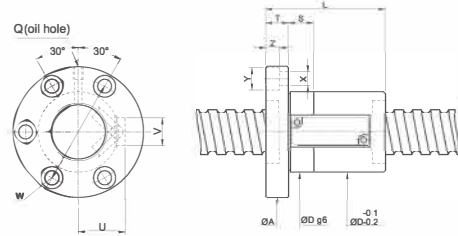


Unit: mm

Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE			FIT	BOLT			RETURN TUBE	OIL HOLE	STIFFNESS				
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A		T	W	S				X	Y	Z	U
36	10	6.35	3.5x1	3890	9390	84											76			
			5x1	4750	11860	60	94	100	18	80	20	11	17.5	11	36	22	M8x1P	93		
			2.5x1	2990	6920	85													58	
	12	6.35	6.35	3.5x1	3890	9390	60	97	100	18	80	20	11	17.5	11	36	22	M8x1P	76	
				5x1	4750	11860	109													93
				2.5x1	2990	6920	91													58
	16	6.35	6.35	3.5x1	3890	9390	60	107	100	18	80	20	11	17.5	11	36	22	M8x1P	76	
				5x1	4750	11860	123													93
				1.5x1	2050	4450	91													41
	20	6.35	6.35	2.5x1	2990	6920	111												58	
				3.5x1	3890	9390	60	131	100	18	80	20	11	17.5	11	36	22	M8x1P	76	
				5x1	4750	11860	151													93
40	10	6.35	3.5x1	4130	10560	86											82			
			5x1	5050	13340	64	96	104	18	84	20	11	17.5	11	38	22	PT1/8"	101		
			2.5x1	3180	7780	86													63	
	12	6.35	6.35	3.5x1	4130	10560	64	98	104	18	84	20	11	17.5	11	38	22	PT1/8"	82	
				5x1	5050	13340	110													101
				2.5x1	3180	7780	93													63
	16	6.35	6.35	3.5x1	4130	10560	64	109	104	18	84	20	11	17.5	11	38	22	PT1/8"	82	
				5x1	5050	13340	125													101
				2.5x1	3740	8790	92													65
	16	7.144	6.35	3.5x1	4870	11930	64	108	104	18	84	15	11	17.5	11	39	20	PT1/8"	84	
				5x1	5950	15070	124													103
				1.5x1	2180	5000	84													43
20	6.35	6.35	2.5x1	3180	7780	104												63		
			3.5x1	4130	10560	64	124	104	18	84	20	11	17.5	11	38	22	PT1/8"	82		
			5x1	5050	13340	144													101	
40	6.35	1.5x1	2180	5000	64	130	104	18	84	20	11	17.5	11	38	20	PT1/8"	43			

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE			FIT	BOLT			RETURN TUBE	OIL HOLE	STIFFNESS				
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A		T	W	S				X	Y	Z	U
50	10	6.35	3.5x1	4560	13230	85											97			
			5x1	5580	16710	73	95	118	18	96	20	11	17.5	11	43	22	PT1/8"	119		
			2.5x1	3510	9750	82													74	
	12	6.35	6.35	3.5x1	4560	13230	73	94	118	18	96	20	11	17.5	11	43	22	PT1/8"	97	
				5x1	5580	16710	106													119
				2.5x1	4080	11260	93													75
	12	7.144	6.35	3.5x1	5300	15280	75	105	122	20	98	15	14	20	13	44	24	PT1/8"	99	
				5x1	6480	19300	117													121
				2.5x1	3510	9750	94													74
	16	6.35	6.35	3.5x1	4560	13230	73	110	118	18	96	20	11	17.5	11	43	22	PT1/8"	97	
				5x1	5580	16710	126													119
				2.5x1	4080	11260	100													75
16	7.144	6.35	3.5x1	5300	15280	75	116	122	20	98	15	14	20	13	44	22	PT1/8"	99		
			5x1	6480	19300	132													121	
			1.5x1	2790	7240	98													52	
20	7.144	6.35	2.5x1	4080	11260	118												75		
			3.5x1	5300	15280	75	138	122	20	98	15	14	20	13	44	20	PT1/8"	99		
			5x1	6480	19300	158													121	
20	7.938	6.35	2.5x1	4750	12090	119												78		
			3.5x1	6180	16400	76	139	123	25	99	20	14	20	13	46	25	PT1/8"	101		
			5x1	7550	20720	159													124	
50	7.938	1.5x1	3250	7770	76	157	123	25	99	20	14	20	13	46	25	PT1/8"	53			

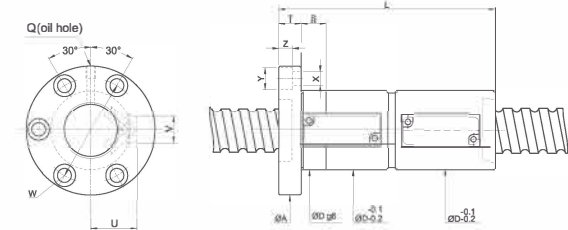
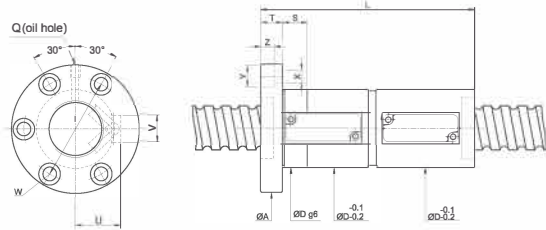


Unit: mm

Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE			FIT	BOLT			RETURN TUBE	OIL HOLE	STIFFNESS			
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A		T	W	S				X	Y	Z
63	10	6.35	3.5x1	5030	17020	86	86	133	22	108	20	14	20	13	49	24	PT1/8"	115	
			5x1	6150	21500	96	96	133	22	108	20	14	20	13	49	24	PT1/8"	141	
	12	6.35	2.5x1	3870	12540	84	84	133	22	108	20	14	20	13	49	24	PT1/8"	87	
			5x1	6150	21500	108	108	133	22	108	20	14	20	13	49	24	PT1/8"	141	
	12	7.144	2.5x1	4540	14460	90	90	134	22	110	20	14	20	13	50	25	PT1/8"	89	
			3.5x1	5900	19620	87	102	134	22	110	20	14	20	13	50	25	PT1/8"	117	
	63	16	7.144	2.5x1	4540	14460	97	97	134	22	110	20	14	20	13	50	25	PT1/8"	89
				3.5x1	5900	19620	87	113	134	22	110	20	14	20	13	50	25	PT1/8"	117
		16	7.938	2.5x1	5260	15430	112	112	148	28	118	25	18	26	17.5	52	25	PT1/8"	91
				3.5x1	6840	20940	89	128	148	28	118	25	18	26	17.5	52	25	PT1/8"	120
		20	6.35	2.5x1	3870	12540	104	104	133	22	108	20	14	20	13	49	24	PT1/8"	87
				3.5x1	5030	17020	86	124	133	22	108	20	14	20	13	49	24	PT1/8"	115
20		7.938	2.5x1	5260	15430	120	120	148	28	118	25	18	26	17.5	52	25	PT1/8"	91	
			3.5x1	6840	20940	89	140	148	28	118	25	18	26	17.5	52	25	PT1/8"	120	
20		9.525	2.5x1	8870	25870	120	120	152	28	122	25	18	26	17.5	54	28	PT1/8"	105	
			3.5x1	11530	35110	93	140	152	28	122	25	18	26	17.5	54	28	PT1/8"	136	
80		10	6.35	3.5x1	5630	21660	103	90	150	22	126	20	14	20	13	58	25	PT1/8"	133
				5x1	6880	27360	100	100	150	22	126	20	14	20	13	58	25	PT1/8"	164
	12	7.938	3.5x1	7670	27030	101	101	170	22	146	20	14	20	13	66	28	PT1/8"	143	
			5x1	9380	34140	123	113	170	22	146	20	14	20	13	66	28	PT1/8"	177	
	16	9.525	2.5x1	9900	33200	108	108	185	28	155	30	18	26	17.5	70	28	PT1/8"	124	
			3.5x1	12990	45050	126	124	185	28	155	30	18	26	17.5	70	28	PT1/8"	162	
	20	9.525	2.5x1	9900	33200	120	120	185	28	155	30	18	26	17.5	70	28	PT1/8"	124	
			3.5x1	12990	45050	126	140	185	28	155	30	18	26	17.5	70	28	PT1/8"	162	
	100	16	9.525	2.5x1	11320	41820	115	115	217	32	181	30	22	32	21.5	82	35	PT1/8"	139
				3.5x1	14720	56750	146	131	217	32	181	30	22	32	21.5	82	35	PT1/8"	182
		20	9.525	2.5x1	11320	41820	128	128	217	32	181	30	22	32	21.5	82	35	PT1/8"	139
				3.5x1	14720	56750	146	148	217	32	181	30	22	32	21.5	82	35	PT1/8"	182

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE			FIT	BOLT			RETURN TUBE	OIL HOLE	STIFFNESS		
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A		T	W	S				X	Y
12	10	2.381	2.5x1	420	720	25	102	48	10	36	10	4.5	8	4.4	14	12	M6x1P	30
			3.5x1	1210	2380	38	113	62	13	50	10	5.5	9.5	5.5	23	15	M6x1P	51
20	16	3.969	1.5x1	830	1530	38	128	62	13	50	10	5.5	9.5	5.5	23	15	M6x1P	35
			2.5x1	1210	2380	38	160	62	13	50	10	5.5	9.5	5.5	23	15	M6x1P	51
25	16	3.969	1.5x1	830	1530	38	130	62	13	50	10	5.5	9.5	5.5	23	15	M6x1P	35
			2.5x1	1210	2380	42	126	68	15	55	15	6.6	11	6.5	26	14	M6x1P	41
32	16	6.35	1.5x1	1170	2300	44	154	72	15	59	15	6.6	11	6.5	28	14	M6x1P	43
			2.5x1	1710	3580	44	194	72	15	59	15	6.6	11	6.5	28	14	M6x1P	63
32	16	3.969	3.5x1	2220	4860	49	234	78	15	63	15	6.6	11	6.5	30	16	M8x1P	83
			5x1	2340	6610	49	196	78	15	63	15	6.6	11	6.5	30	16	M8x1P	96
	16	6.35	2.5x1	2830	6090	57	173	88	18	77	20	11	17.5	11	34	22	M8x1P	80
			3.5x1	3680	8270	57	205	98	18	77	20	11	17.5	11	34	22	M8x1P	105
	20	3.969	1.5x1	1010	2480	49	134	78	15	63	15	6.6	11	6.5	30	16	M8x1P	49
			2.5x1	1470	3860	49	174	78	15	63	15	6.6	11	6.5	30	16	M8x1P	73
	20	6.35	3.5x1	1910	5240	49	214	78	15	63	15	6.6	11	6.5	30	16	M8x1P	96
			5x1	2340	6610	49	254	78	15	63	15	6.6	11	6.5	30	16	M8x1P	120
	20	9.525	2.5x1	2830	6090	57	204	88	18	77	20	11	17.5	11	34	22	M8x1P	80
			3.5x1	3680	8200	57	244	98	18	77	20	11	17.5	11	34	22	M8x1P	105
	20	9.525	2.5x1	2830	6090	57	284	98	18	77	20	11	17.5	11	34	22	M8x1P	80
			3.5x1	3680	8200	57	324	108	18	77	20	11	17.5	11	34	22	M8x1P	105

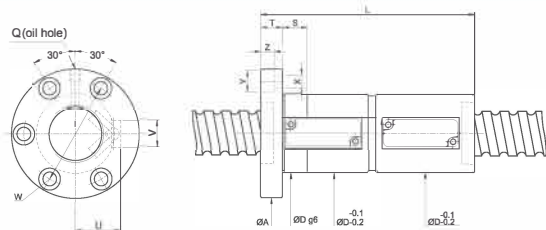


Unit: mm

Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE				FIT				BOLT	RETURN TUBE	OIL HOLE	STIFFNESS	
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	S	X	Y					Z
36	10	6.35	3.5x1	3890	9390	155												115	
			5x1	4750	11860	60	175	100	18	80	20	11	17.5	11	36	22	M8x1P	143	
			2.5x1	2990	6920	152													88
	12	6.35	3.5x1	3890	9390	60	176	100	18	80	20	11	17.5	11	36	22	M8x1P	115	
			5x1	4750	11860	200													143
			2.5x1	2990	6920	173													88
	16	6.35	3.5x1	3890	9390	60	205	100	18	80	20	11	17.5	11	36	22	M8x1P	115	
			5x1	4750	11860	237													143
			1.5x1	2050	4450	164													59
	20	6.35	2.5x1	2990	6920	60	204												88
			3.5x1	3890	9390	60	244	100	18	80	20	11	17.5	11	36	22	M8x1P	115	
			5x1	4750	11860	284													143
40	10	6.35	3.5x1	4130	10560	64	155	104	18	84	20	11	17.5	11	38	22	PT1/8"	125	
			5x1	5050	13340	175													155
			2.5x1	3180	7780	141													95
	12	6.35	3.5x1	4130	10560	64	165	104	18	84	20	11	17.5	11	38	22	PT1/8"	125	
			5x1	5050	13340	189													155
			2.5x1	3180	7780	173													95
	16	6.35	3.5x1	4130	10560	64	205	104	18	84	20	11	17.5	11	38	22	PT1/8"	125	
			5x1	5050	13340	237													155
			2.5x1	3740	8790	173													98
	16	7.144	3.5x1	4870	11930	64	205	104	18	84	15	11	17.5	11	39	20	PT1/8"	128	
			5x1	5950	15070	237													159
			1.5x1	2180	5000	143													64
20	6.35	2.5x1	3180	7780	64	183												95	
		3.5x1	4130	10560	64	223	104	18	84	20	11	17.5	11	38	22	PT1/8"	125		
		5x1	5050	13340	263													155	
40	6.35	1.5x1	2180	5000	64	242	104	18	84	20	11	17.5	11	38	20	PT1/8"	64		

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit x row	BASIC RATE LOAD (kgf)		NUT	FLANGE				FIT				BOLT	RETURN TUBE	OIL HOLE	STIFFNESS	
O.D.	LEAD			Dynamic (1x10 ⁶ REV.) Ca	Static Co		Dg6	L	A	T	W	S	X	Y					Z
50	10	6.35	3.5x1	4560	13230	73	155	118	18	96	20	11	17.5	11	43	22	PT1/8"	149	
			5x1	5580	16710	175													185
			2.5x1	3510	9750	152													112
	12	6.35	3.5x1	4560	13230	73	176	118	18	96	20	11	17.5	11	43	22	PT1/8"	149	
			5x1	5580	16710	200													185
			2.5x1	4080	11260	161													114
	12	7.144	3.5x1	5300	15280	75	185	122	20	98	15	14	20	13	44	24	PT1/8"	151	
			5x1	6480	19300	209													187
			2.5x1	3510	9750	174													112
	16	6.35	3.5x1	4560	13230	73	206	118	18	96	20	11	17.5	11	43	22	PT1/8"	149	
			5x1	5580	16710	238													185
			2.5x1	4080	11260	173													114
16	7.144	3.5x1	5300	15280	75	205	122	20	98	15	14	20	13	44	22	PT1/8"	151		
		5x1	6480	19300	237													187	
		1.5x1	2790	7240	172													77	
20	7.144	2.5x1	4080	11260	75	204												114	
		3.5x1	5300	15280	75	244	122	20	98	15	14	20	13	44	20	PT1/8"	151		
		5x1	6480	19300	284													187	
20	7.938	2.5x1	4750	12090	219													117	
		3.5x1	6180	16400	76	259	123	25	99	20	14	20	13	46	25	PT1/8"	154		
		5x1	7550	20720	299													191	
50	7.938	1.5x1	3250	7770	76	305	123	25	99	20	14	20	13	46	25	PT1/8"	79		



Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × row	BASIC RATE LOAD (kgf)		NUT		FLANGE			FIT				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/m
63	10	6.35	3.5×1	5030	17020	86	155	133	22	108	20	14	20	13	49	24	PT1/8"	178
			5×1	6150	21500													175
	12	6.35	2.5×1	3870	12540	86	177	133	22	108	20	14	20	13	49	24	PT1/8"	134
			5×1	6150	21500													201
	12	7.144	2.5×1	4540	14460	87	182	134	22	110	20	14	20	13	50	25	PT1/8"	136
			3.5×1	5900	19620													158
	16	7.144	2.5×1	4540	14460	87	209	134	22	110	20	14	20	13	50	25	PT1/8"	224
			5×1	7210	24780													206
	16	7.938	2.5×1	5260	15430	89	239	148	28	118	25	18	26	17.5	52	25	PT1/8"	184
			3.5×1	6840	20940													177
	20	6.35	2.5×1	3870	12540	86	245	133	22	108	20	14	20	13	49	24	PT1/8"	220
			3.5×1	5030	17020													285
20	7.938	2.5×1	5260	15430	89	261	148	28	118	25	18	26	17.5	52	25	PT1/8"	139	
		3.5×1	6840	20940													301	184
20	9.525	2.5×1	8870	25870	93	259	152	28	122	25	18	26	17.5	54	28	PT1/8"	228	
		3.5×1	11530	35110													219	208
10	6.35	3.5×1	5630	21660	103	159	150	22	126	20	14	20	13	58	25	PT1/8"	258	
		5×1	6880	27360													179	207
12	7.938	3.5×1	7670	27030	123	184	170	22	146	20	14	20	13	66	28	PT1/8"	256	
		5×1	9380	34140													208	222
16	9.525	2.5×1	9900	33200	126	220	185	28	155	30	18	26	17.5	70	28	PT1/8"	189	
		3.5×1	12990	45050													188	251
20	9.525	2.5×1	9900	33200	126	260	185	28	155	30	18	26	17.5	70	28	PT1/8"	311	
		3.5×1	12990	45050													300	251
16	9.525	2.5×1	11320	41820	146	243	217	32	181	30	22	32	21.5	82	35	PT1/8"	189	
		3.5×1	14720	56750													211	213
20	9.525	2.5×1	11320	41820	146	268	217	32	181	30	22	32	21.5	82	35	PT1/8"	351	
		3.5×1	14720	56750													228	213
20	9.525	2.5×1	11320	41820	146	308	268	217	32	181	30	22	32	21.5	82	35	PT1/8"	213
		3.5×1	14720	56750														308