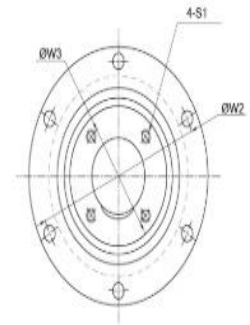
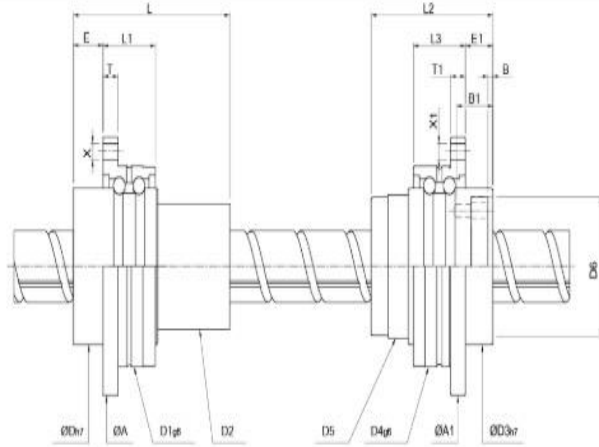
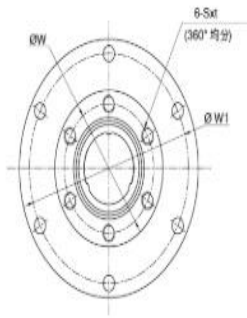


# PBSA



## Ball Spline

Shaft diameter	Inner diameter	Basic load rating		Basic torque rating		Static permissible moment $M_A$ (N·m)	Nut diameter		L	X	W1	A	D1 <sub>g6</sub>	T	L1	W	S×t	E	Support bearing basic load rating		Mass	
		Ca (kN)	Co (kN)	C <sub>T</sub> (N·m)	C <sub>OT</sub> (N·m)		D <sub>h7</sub>	D2											Ca (kN)	Co (kN)	Nut (kg)	Shaft (kg/m)
<b>16</b>	11	6.9	12.4	31.4	34.3	60	36	31	50	4.5	56	64	48	6	21	30	M4×0.7P×6	10	6.74	6.36	0.33	1.09
<b>20</b>	14	10.1	17.8	56.8	55.8	120	43.5	35	63	4.5	64	72	56	6	21	36	M5×0.8P×8	12	7.49	8.16	0.48	1.76
<b>25</b>	18	15.2	25.3	105	103	180	52	42	71	5.5	75	86	66	7	25	44	M5×0.8P×8	13	9.45	10.65	0.75	2.33

## Ball Screw

Screw size			Effective turns Circuit×Row	Basic load rating		Nut diameter		L2	X1	W2	A1	D4 <sub>g6</sub>	D5	D6	T1	L3	W3	S1	B	B1	E1	Support bearing basic load rating		Mass	
O.D.	Inner diameter	Lead		Ca (kN)	Co (kN)	D3 <sub>h7</sub>	Ca (kN)															Co (kN)	Nut (kg)	Shaft (kg/m)	
<b>16</b>	11	16	1.8×1	3.8	6.8	36	40	4.5	56	64	48	32	32	6	21	25	M4×0.7P	2.5	13	10	6.74	6.36	0.31	1.09	
<b>20</b>	14	20	1.8×1	5.9	12.2	43.5	49	4.5	64	72	56	39	39	6	21	31	M5×0.8P	2	13	11	7.49	8.16	0.48	1.76	
<b>25</b>	18	25	1.8×1	8.9	19.1	52	58	5.5	75	86	66	47	47	7	25	38	M6×1P	3	17	13	9.45	10.65	0.66	2.33	