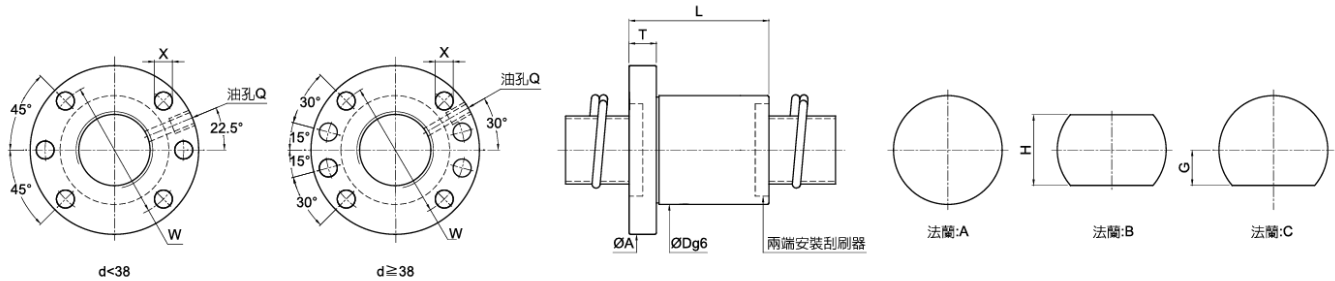


Technisches Datenblatt – FSDN



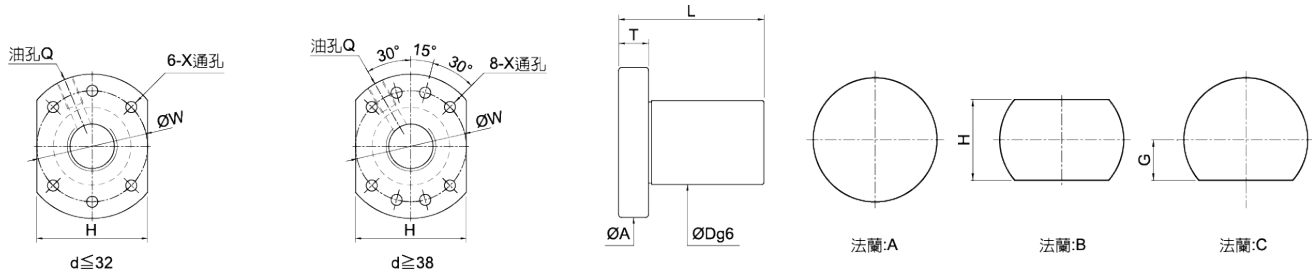
Unit: mm

SCREW SIZE		BALL DIA.	circuit × number of thread	MODIFIED LOAD CAPACITY (kgf)		BALLNUT DIMENSION										
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Cam	Static Coam	O.D.	Length	Flange					Oil Hole	Assembly Hole	STIFFNESS	Nut Model NO.
						D	L	A	T	W	G	H	Q	X	kgf/mm	
15	5	3	4×1	1210	2130	28	39	48	10	38	20	40	M6×1P	5.5	22	FSDN1505V-4.0P
	10		3×1	950	1650	28	47	48	10	38	20	40	M6×1P	5.5	17	FSDN1510V-3.0P
	16		3×1	910	1600	28	64	48	10	38	20	40	M6×1P	5.5	17	FSDN1516V-3.0P
20	5	3.175	4×1	1570	3270	36	40	58	10	47	22	44	M6×1P	6.6	28	FSDN2005B-4.0P
	20		2×2	1460	3120	36	58	58	10	47	22	44	M6×1P	6.6	28	FSDN2020B-4.0P
25	5	3.175	5×1	2130	5230	40	46	62	10	51	24	48	M6×1P	6.6	41	FSDN2505B-5.0P
	10		4×1	1740	4120	40	60	62	10	51	24	48	M6×1P	6.6	33	FSDN2510B-4.0P
	25		2×2	1610	3900	40	68	62	10	51	24	48	M6×1P	6.6	33	FSDN2525B-4.0P
32	5	3.175	6×1	2800	8180	50	53	80	12	65	31	62	M6×1P	9	59	FSDN3205B-6.0P
	10		5×1	3240	8480	50	73	80	12	65	31	62	M6×1P	9	52	FSDN3210C-5.0P
	20	3.969	4×1	2600	6630	50	101	80	12	65	31	62	M6×1P	9	42	FSDN3220C-4.0P
	32		2×2	2460	6340	50	84	80	12	65	31	62	M6×1P	9	41	FSDN3232C-4.0P
38	10	6.35	5×1	6500	15610	63	78	93	14	78	35	70	M8×1P	9	64	FSDN3810F-5.0P
	20		4×1	5250	12240	63	107	93	14	78	35	70	M8×1P	9	52	FSDN3820F-4.0P
	40		2×2	4940	11770	63	104	93	14	78	35	70	M8×1P	9	51	FSDN3840F-4.0P

Note:1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.

2. Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

Technisches Datenblatt – FSDU



Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × number of thread	MODIFIED LOAD CAPACITY (kgf)		BALLNUT DIMENSION										
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Cam	Static Coam	O.D.	Length	Flange						Oil Hole	Assembly Hole	Nut Model NO.
								D	L	A	T	W	G			
12	5	2	3x1	630	1060	24	30	40	10	32	15	30	M5×0.8P	4.5	FSDU1205Z-3.0P	
	10		3x1	620	1040	24	45	40	10	32	15	30	M5×0.8P	4.5	FSDU1210Z-3.0P	
15	5	2.778	4x1	1130	2100	28	37	48	10	38	20	40	M6×1P	5.5	FSDU1505L-4P	
	10		3x1	850	1530	28	47	48	10	38	20	40	M6×1P	5.5	FSDU1510L-3P	
	16		2x1	580	1010	28	47	48	10	38	20	40	M6×1P	5.5	FSDU1516L-2P	
	16		3x1	850	1570	28	63	48	10	38	20	40	M6×1P	5.5	FSDU1516L-3P	
	20		2x1	560	970	28	58	48	10	38	20	40	M6×1P	5.5	FSDU1520L-2P	
	20		3x1	1180	2430	76	78	58	10	47	22	44	M6×1P	6.6	FSDU2020B-3.0P	
20	5	3.175	4x1	1570	3270	38	40	58	10	47	22	44	M6×1P	6.6	FSDU2005B-4.0P	
	10		4x1	1560	3250	56	58	58	10	47	22	44	M6×1P	6.6	FSDU2010B-4.0P	
	20		2x1	810	1550	56	58	58	10	47	22	44	M6×1P	6.6	FSDU2020B-2.0P	
	20		3x1	1180	2430	76	78	58	10	47	22	44	M6×1P	6.6	FSDU2020B-3.0P	
25	5	3.175	4x1	1750	4150	40	39	62	10	51	24	48	M6×1P	6.6	FSDU2505B-4.0P	
	10		4x1	1740	4120	40	59	62	12	51	24	48	M6×1P	6.6	FSDU2510B-4.0P	
	20		2x1	910	1990	40	59	62	12	51	24	48	M6×1P	6.6	FSDU2520B-2.0P	
	25		2x1	900	1950	40	66	62	12	51	24	48	M6×1P	6.6	FSDU2525B-2.0P	
	25		3x1	1290	3040	40	91	62	12	51	24	48	M6×1P	6.6	FSDU2525B-3.0P	
	25		3x1	1290	3040	40	91	62	12	51	24	48	M6×1P	6.6	FSDU2525B-3.0P	

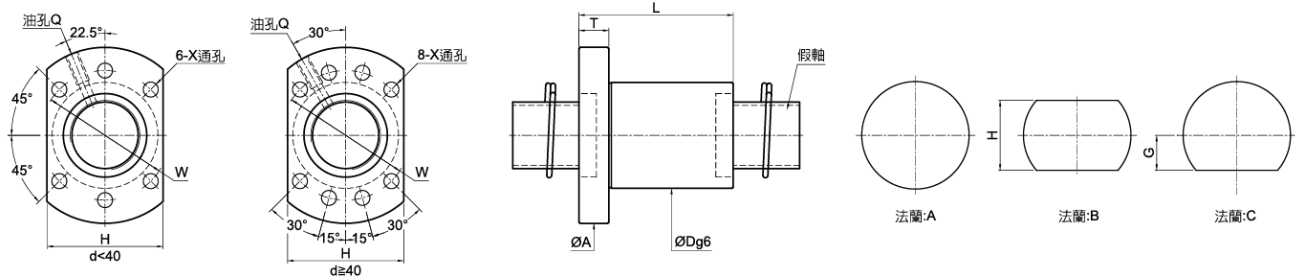
Unit: mm

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS circuit × number of thread	MODIFIED LOAD CAPACITY (kgf)		BALLNUT DIMENSION										
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Cam	Static Coam	O.D.	Length	Flange						Oil Hole Q	Assembly Hole X	Nut Model NO.
								D	L	A	T	W	G			
32	5	3.175	4x1	1940	5360	50	42	80	12	65	31	62	M6×1P	9	FSDU3205B-4.0P	
	10	3.969	4x1	2660	6710	50	62	80	12	65	31	62	M6×1P	9	FSDU3210C-4.0P	
	20		3x1	2000	4870	50	81	80	12	65	31	62	M6×1P	9	FSDU3220C-3.0P	
	32		2x1	1350	3170	50	83	80	12	65	31	62	M6×1P	9	FSDU3232C-2.0P	
	32		3x1	1980	4920	50	115	80	12	65	31	62	M6×1P	9	FSDU3232C-3.0P	
38	10	6.35	4x1	5110	13800	63	66	93	14	78	35	70	M8×1P	9	FSDU3810F-4.0P	
	20		3x1	4030	9020	63	86	93	14	78	35	70	M8×1P	9	FSDU3820F-3.0P	
	40		2x1	2730	5890	63	103	93	14	78	35	70	M8×1P	9	FSDU3840F-2.0P	
	40		3x1	3980	7160	63	143	93	14	78	35	70	M8×1P	9	FSDU3840F-3.0P	
40	5	3.175	4x1	2130	6750	63	43	93	15	78	35	70	M8×1P	9	FSDU4005B-4.0P	
50	10	6.35	4x1	6070	16540	75	70	110	15	93	55	85	M8×1P	11	FSDU5010F-4P	
	20		4x1	6020	16440	75	110	110	15	93	55	85	M8×1P	11	FSDU5020F-4P	

Note: 1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.

2. Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

Technisches Datenblatt – FSIN



Unit: *mm*

SCREW SIZE		BALL DIA.	EFFECTIVE TURNS	MODIFIED LOAD CAPACITY (kgf)		BALLNUT DIMENSION											
O.D.	LEAD			Dynamic (1×10 ⁶ REV.) Cam	Static Coam	O.D.	Length	Flange						Oil Hole	Assembly Hole	STIFFNESS	Nut Model NO.
								D	L	A	T	W	G				
16	5	3.175	3	1050	2200	28	42	48	10	38	20	40	M6×1P	5.5	17	FSIN1605B-3.0P	
20	5	3.175	4	1530	3720	36	50	58	12	47	22	44	M6×1P	6.5	25	FSIN2005B-4.0P	
25	5	3.175	4	1700	4720	40	50	62	12	51	24	48	M6×1P	6.5	37	FSIN2505B-4.0P	
	10	4.762	4	2900	6990		85	62	12	51	24	48	M6×1P	6.5	32	FSIN2510D-4.0P	
32	5	3.175	4	1900	6090	50	50	80	12	65	31	62	M6×1P	9	50	FSIN3205B-4.0P	
	10	6.35	4	4720	11670	50	80	80	13	65	31	62	M6×1P	9	50	FSIN3210F-4.0P	
40	5	3.175	4	2090	7670	63	54	93	15	78	35	70	M8×1P	9	52	FSIN4005B-4.0P	
	10	6.35	4	5310	14850		82								60	FSIN4010F-4.0P	
50	10	6.35	4	5890	18780	75	88	110	18	93	42.5	85	M8×1P	11	70	FSIN5010F-4.0P	

Note: 1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.

2. Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.