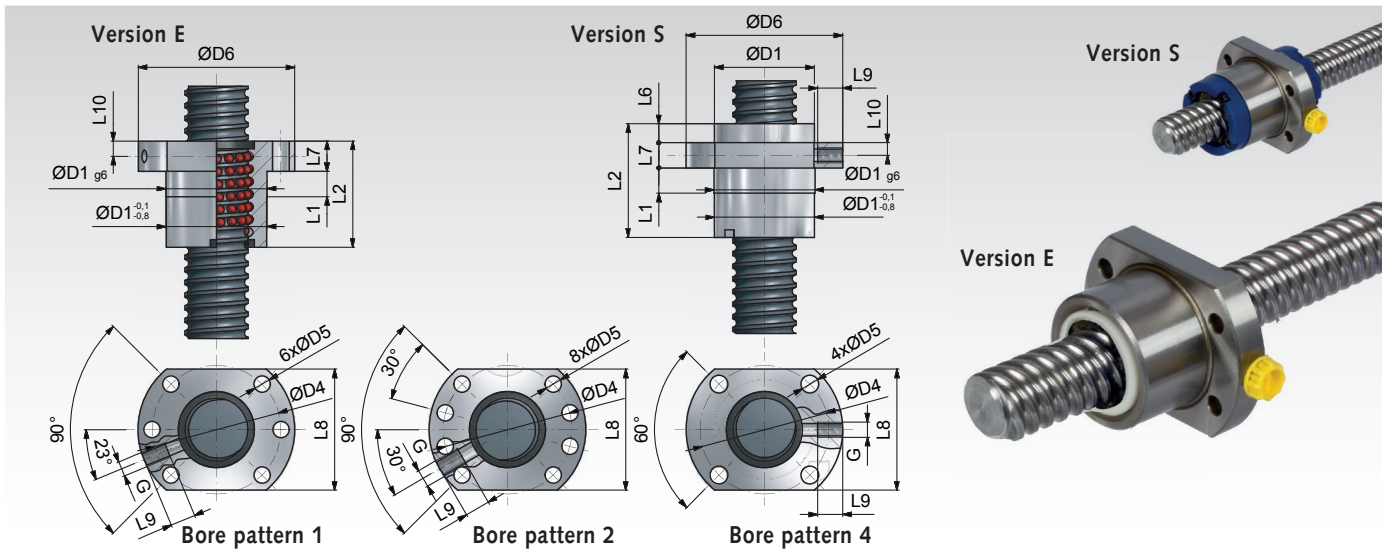


Ball Screw Drives - Flanged Ball Screw Nuts



Material: Bearing steel 100Cr6, No. 1.3505.

To be combined with **MÄDLER®** ball screw spindles.

The spindle has to be ordered separately.

Ordering Details: e.g.: Product No. 640 100 25, Flanged Ball Screw Nut 10x2mm

With axial clearance, for running with low friction.

Temperature range: -20°C to +80°C (for short time to +110°C).

Product No.	Size	Ball Ø mm	Turns per Circuit	Load rating C_{dyn} kN	C_{stat} kN	Axial Clearance mm	Weight kg
640 080 25	8x2	1,2	3	1,39	2,52	0,06	0,05
640 100 25	10x2	1,2	3	1,51	3,02	0,06	0,08
640 120 45	12x4	2,381	3	4	6,7	0,07	0,1
640 160 55	16x5	3,175	3	7,65	13,2	0,07	0,16
640 161 05	16x10	3,5	3	6,8	12,6	0,1	0,16
640 161 65	16x16	2,778	1,7x2	6,5	12,8	0,07	0,2
640 200 55	20x5	3,175	3	8,6	17,1	0,07	0,2
640 201 05	20x10	3,175	3,8	8,5	18	0,07	0,2
640 202 05	20x20	3,175	1,7x2	9,8	21,4	0,07	0,15
640 250 55	25x5	3,175	3	9,8	23	0,07	0,25
640 251 05	25x10	3,5	3	8,7	20,5	0,1	0,32
640 252 55	25x25	3,969	1,7x2	12,7	35,2	0,1	0,6
640 320 55	32x5	3,175	5	16,9	51	0,07	0,6
640 321 05	32x10	6,35	3	26,1	53,1	0,15	0,64
640 322 05	32x20	3,969	1,8x2	13,8	34,6	0,1	0,8
640 323 25	32x32	4,762	1,7x2	21,4	52,6	0,12	0,9
640 400 55	40x5	3,175	5	19	66,2	0,07	0,8
640 401 05	40x10	6,35	3	30,1	71	0,15	0,92
640 501 05	50x10	6,35	5	53,1	155	0,15	1,61
640 502 05	50x20	6,35	3	48	137	0,15	2,7
640 631 05	63x10	6,35	5	60,7	206	0,15	2,4

Mounting

The ball screw nuts will be delivered with a plastic tube inside. This tube is a transport protection against losing the balls and is also a mounting aid. When the tube is held against the spindle end, the nut can get screwed onto the spindle without losing balls. Before use, the nut and the spindle have to be lubricated. For grease lubrication, normal roller bearing grease is recommended. The lubricant consumption depends on the condition of use.

Operation manual at www.maedler.de in the section Downloads

Dimensions

Size mm	Version	Bore pattern	D ₁ mm	D ₄ mm	D ₅ mm	D ₆ mm	L ₁ mm	L ₂ mm	L ₆ mm	L ₇ mm	L ₈ mm	L ₉ mm	L ₁₀ mm	G mm
8x2	E	4*	16	23	3,4	31	17	26	-	8	20	-	-	-
10x2	E	4	19	28	4,6	36	23	28	-	5	23	-	-	-
12x4	E	1	22	32	4,8	42	10	35	-	8	36	10	4	M6
16x5	E	1	28	38	5,5	48	10	42	-	10	40	10	5	M6
16x10	E	1	28	38	5,5	48	10	45	-	10	40	10	5	M6
16x16	S	4	32	42	4,5	53	-	48	12	10	38	10	5	M6
20x5	E	1	36	47	6,6	58	10	42	-	10	44	10	5	M6
20x10	E	1	36	47	6,6	58	10	56	-	10	44	10	5	M6
20x20	S	4	39	50	5,5	62	-	58	15,5	10	46	10	5	M6
25x5	E	1	40	51	6,6	62	10	42	-	10	48	10	5	M6
25x10	E	1	40	51	6,6	62	16	45	-	10	48	10	5	M6
25x25	S	4	47	60	6,6	74	-	67	15,5	12	56	10	6	M6
32x5	E	1	50	65	9	80	10	55	-	12	62	10	6	M6
32x10	E	1	53	65	9	80	16	69	-	12	62	10	6	M8x1
32x20	E	1	50	65	9	80	25	64	-	15	62	9	8	M6
32x32	S	4	58	74	9	92	-	85	22	15	68	10	7,5	M6
40x5	E	2	63	78	9	93	10	55	-	14	70	10	7	M6
40x10	E	2	63	78	9	93	16	71	-	14	70	10	7	M8x1
50x10	E	2	75	93	11	110	16	95	-	16	85	10	8	M8x1
50x20	E	2	85	103	11	125	22	125	-	18	95	10	9	M8x1
63x10	E	2	90	108	11	125	16	97	-	18	95	10	9	M8x1

* With countersinking for cap screws DIN 912.

