

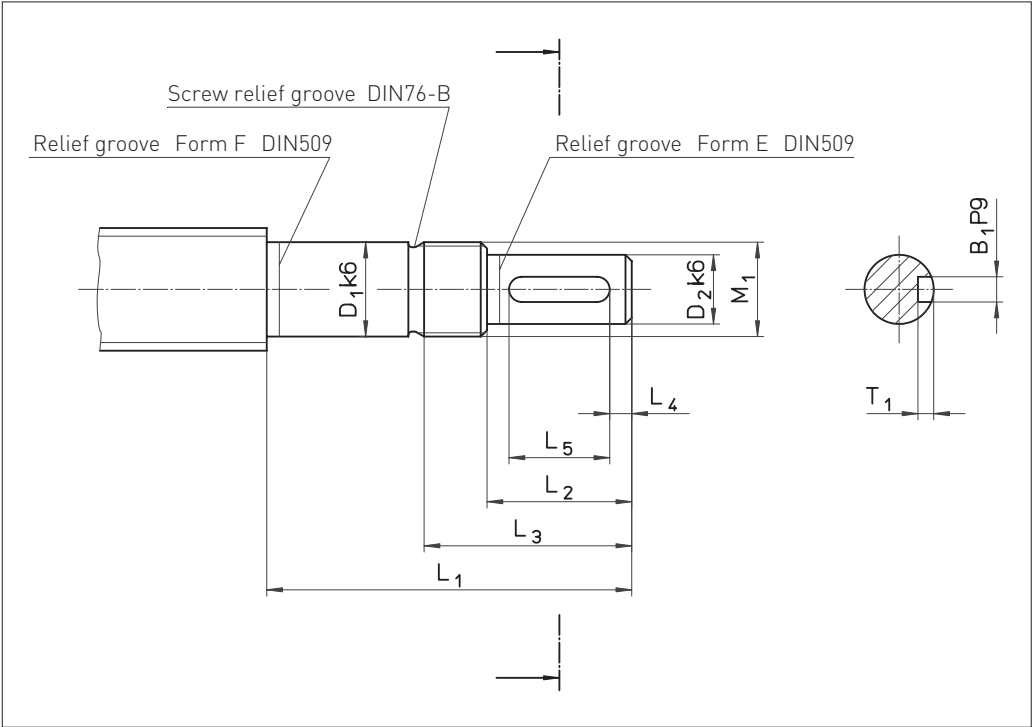
Trapezoidal screw drives

Screw end machining for movable/fixed bearing

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The type of bearing influences the stiffness of the screw drive as a whole, as well as the vibration and buckling behaviour of the screw. End machining of the trapezoidal screw is carried out as appropriate for the various types of bearing.

Note: Bearings are not part of our delivery programme.



Form D	Dimensions [mm]									Bearing
	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	M ₁	B ₁ xT ₁	
TGS										ZKLF...2RS
Tr18/20/22x...	12	9	55	20	32	2.5	16	M 12x1	3x1.8	1255
Tr24/26x...	15	11	58	23	35	3.5	16	M 15x1	4x2.5	1560
Tr28/30/32x...	20	14	70	30	44	4	22	M 20x1	5x3	2068
Tr36x...	25	19	82	40	57	6	28	M 25x1.5	6x3.5	2575
Tr40/44/48/50x...	30	24	92	50	67	7	36	M 30x1.5	8x4	3080

Form F	Dimensions [mm]									Bearing
	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	M ₁	B ₁ xT ₁	
TGS										ZARN...LTN
Tr22/24/26x...	15	11	73	23	35	3.5	16	M 15x1	4x2.5	1545
Tr28/30/32x...	20	14	88	30	45	4	22	M 20x1	5x3	2052
Tr28/30/32x...	20	14	107	30	50	4	22	M 20x1	5x3	2062
Tr36/40/44x...	25	19	105	40	58	6	28	M 25x1.5	6x3.5	2557
Tr36/40/44x...	25	19	120	40	63	6	28	M 25x1.5	6x3.5	2572
Tr48/50x...	35	28	145	60	82	10	40	M 35x1.5	8x4	3585
Tr60/70x...	40	36	175	80	103	8.5	63	M 40x1.5	10x5	4090
Tr80x...	55	48	215	110	136	10	90	M 55x2	14x5.5	55115

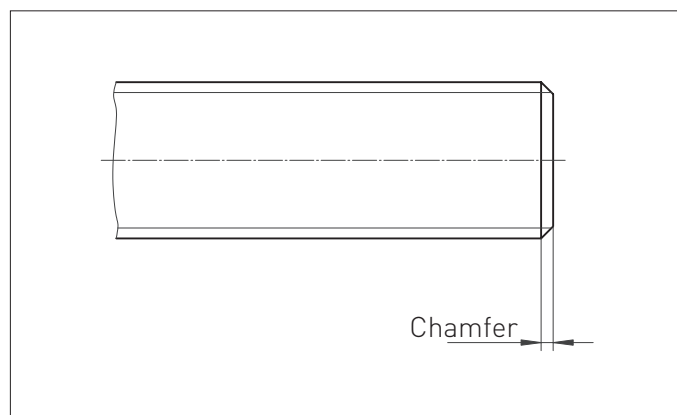
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Form H	Dimensions [mm]									Bearing
TGS	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	M ₁	B ₁ xT ₁	ZARF...LTN
Tr22/24/26x...	15	11	85	23	35	3.5	16	M 15x1	4x2.5	1560
Tr28/30/32x...	20	14	102	30	44	4	22	M 20x1	5x3	2068
Tr28/30/32x...	20	14	122	30	49	4	22	M 20x1	5x3	2080
Tr36/40/44x...	25	19	120	40	57	6	28	M 25x1.5	6x3.5	2575
Tr36/40/44x...	25	19	135	40	63	6	28	M 25x1.5	6x3.5	2590
Tr48/50x...	35	28	160	60	81	10	40	M 35x1.5	8x4	35110
Tr60/70x...	40	36	195	80	105	8.5	63	M 40x1.5	10x5	40115
Tr80x...	55	48	235	110	135	10	90	M 55x2	14x5.5	55145

Form J	Dimensions [mm]									Bearing
TGS	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	M ₁	B ₁ xT ₁	FDX
Tr20/22x...	12	9	88	20	32	2.5	16	M 12x1	3x1.8	12
Tr24/26x...	15	11	92	23	35	3.5	16	M 15x1	4x2.5	15
Tr28/30/32x...	20	14	107	30	44	4	22	M 20x1	5x3	20
Tr36/40/44x...	25	19	122	40	57	6	28	M 25x1.5	6x3.5	25
Tr48/50x...	30	24	136	50	72	7	36	M 30x1.5	8x4	30
Tr60x...	40	36	182	80	102	8.5	63	M 40x1.5	10x5	40

Form L	Dimensions [mm]									Bearing
TGS	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	M ₁	B ₁ xT ₁	
Tr16/18x...	10	8	55	20	30	–	–	M 10x0.75	–	7200 BE RS
Tr20/22x...	12	9	58	20	30	2.5	16	M 12x1	3x1.8	7201 BE RS
Tr24/26x...	15	11	73	23	33	3.5	16	M 15x1	4x2.5	7202 BE RS
Tr28/30/32x...	20	14	88	30	43	4	22	M 20x1	5x3	7204 BE RS
Tr36/40/44x...	25	19	120	40	55	6	28	M 25x1.5	6x3.5	7205 BE RS
Tr48/50x...	35	28	145	60	77	10	40	M 35x1.5	8x4	7207 BE RS
Tr60x...	40	36	175	80	103	8.5	63	M 40x1.5	10x5	7208 BE RS
Tr70/80x...	55	48	215	110	133	10	90	M 55x2	14x5.5	7211 BE RS



Form Z

Chamfer 2 x 45°: TGS with ø 12 – 25 mm

Chamfer 3 x 45°: TGS with ø 26 – 40 mm

Chamfer 4 x 45°: TGS with ø 44 – 50 mm