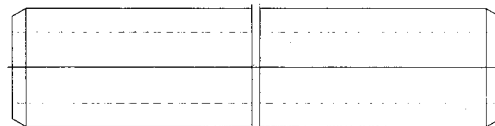
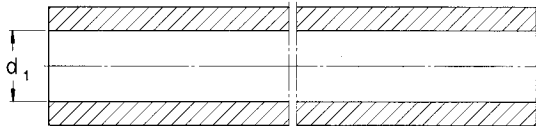
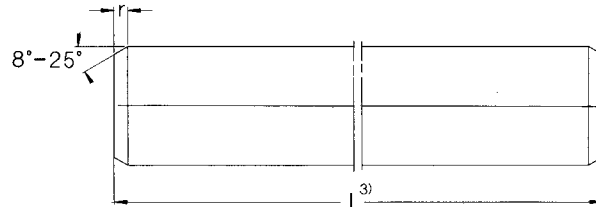
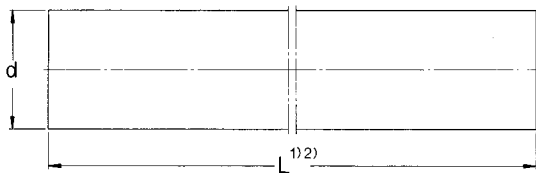


Precision shafts

d 5-80 mm



Standard designs
Designs for fixed lengths
without chamfer

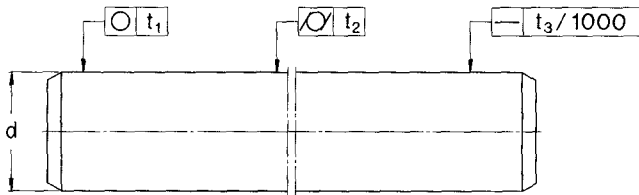
Designs for fixed length
with chamfer

Dimensions			Mass		Moment of inertia		Cross section- al area		Designations			
d	d ₁	r	Solid shaft	Hollow shaft	Solid shaft	Hollow shaft	Solid shaft	Hollow shaft	Solid shafts of high grade steel	Solid shafts of stainless steel	Solid shafts with high grade steel hard chromium plated	Hollow shaft high grade steel
mm	mm	mm	kg/m	kg/m	cm ⁴	cm ⁴	mm ²	mm ²	—			
5	—	0,8	0,15	—	0,0031	—	19,6	—	LJM 5x3800	—	—	—
8	—	0,8	0,39	—	0,020	—	50,3	—	LJM 8x3800	LJMR 8x3800	LJMH 8x3800	—
10	—	0,8	0,62	—	0,049	—	78,5	—	LJM 10x3800	LJMR 10x3800	—	—
12	3,5	1	0,89	0,78	0,102	0,100	113	100	LJM 12x3800	LJMR 12x3800	LJMH 12x3800	LJT 12x3500
16	7	1	1,57	1,28	0,322	0,310	201	163	LJM 16x3800	LJMR 16x3800	LJMH 16x3800	LJT 16x3500
20	14	1,5	2,45	1,26	0,785	0,597	314	160	LJM 20x6000	LJMR 20x3800	LJMH 20x6000	LJT 20x5000
25	15	1,5	3,83	2,40	1,92	1,64	491	305	LJM 25x7600	LJMR 25x6000	LJMH 25x7600	LJT 25x4000
30	16	1,5	5,51	3,55	3,98	3,46	707	453	LJM 30x7600	LJMR 30x6000	LJMH 30x7600	LJT 30x6000
40	27	2	9,80	5,40	12,6	9,96	1260	685	LJM 40x7600	LJMR 40x6000	LJMH 40x7600	LJT 40x6000
50	26	2	15,3	10,6	30,7	27,7	1960	1350	LJM 50x7600	LJMR 50x6000	LJMH 50x7600	LJT 50x6000
60	32,5	2,5	22,1	15,1	63,6	57,1	2830	1920	LJM 60x7600	LJMR 60x6000	LJMH 60x7600	LJT 60x6000
80	53	2,5	39,2	20,1	201	153	5030	2565	LJM 80x7600	—	LJMH 80x7600	LJT 80x6500

Shafts cut to special length with flat turned ends. The length tolerance of these shafts corresponds to DIN 7168, medium. The designation for a shaft with 20 mm diameter cut to a length of 1,5 m is, for example, LJM 20x1500.

Precision shafts of high-grade steel

d 5-80 mm



Shaft Nominal diameter d	Accuracy of dimension and form									
	Shafts to tolerance h6			Shafts to tolerance h7			Diameter deviation high	low	Circula- rity t_1	Cylindri- city t_2
Diameter deviation	high	low	Circula- rity t_1	Cylindri- city t_2	Straight- ness ¹⁾ t_3					
mm	μm									
5	0	- 8	4	5	300	0	-12	5	8	300
8	0	- 9	4	6	300	0	-15	6	9	300
10	0	- 9	5	7	300	0	-15	7	10	300
12	0	-11	5	8	200	0	-18	8	11	200
16	0	-11	5	8	200	0	-18	8	11	200
20	0	-13	6	9	100	0	-21	9	13	100
25	0	-13	6	9	100	0	-21	9	13	100
30	0	-13	6	9	100	0	-21	9	13	100
40	0	-16	7	11	100	0	-25	11	16	100
50	0	-16	7	11	100	0	-25	11	16	100
60	0	-19	8	13	100	0	-30	13	19	100
80	0	-19	8	13	100	0	-30	13	19	100

¹⁾ Shafts with straightness 50 $\mu\text{m}/1000$ mm to order