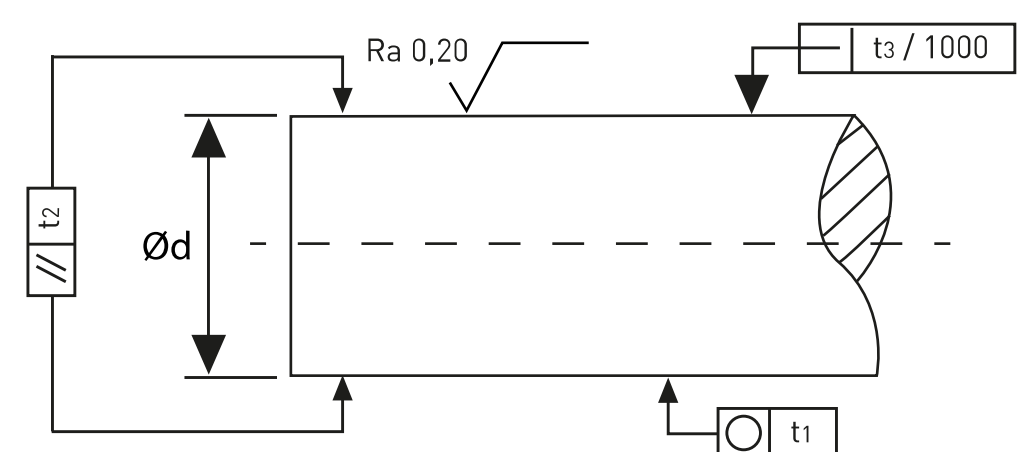


W

Precision shafts

Material: Quenched and tempered steel (cf53/ck55) (1.1213/1.1203)
Series W

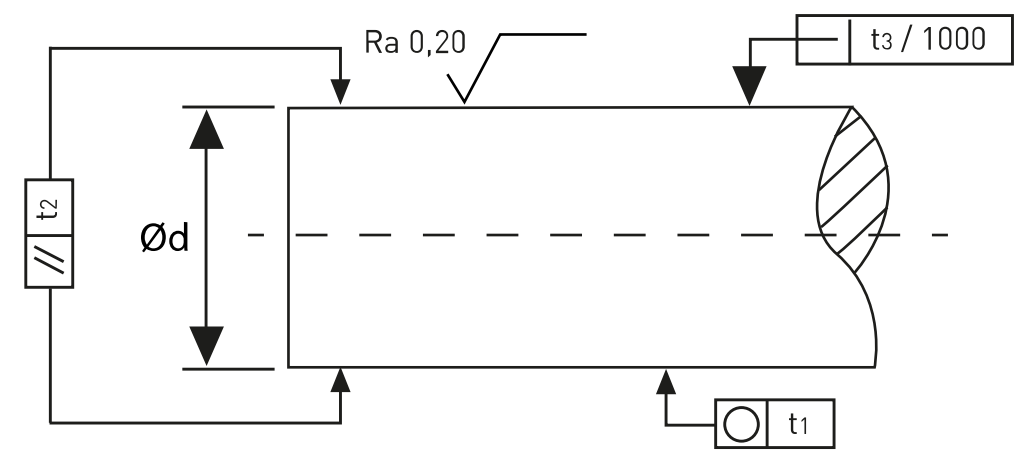


Shaft designation	Shaft diameter d	Standard length	Hardening depth Rht DIN 6773	Standard tolerance ISO h6	Roundness	Parallelism	Straightness	Weight
Type	mm	mm	mm	µm	µm t1	µm t2	mm/m t3	Kg/m
W-3	3	1100	0.4 - 0.6	0 - 6	3	4	0.16	0.055
W-4	4	2100	0.5 - 0.8	0 - 8	3	4	0.16	0.1
W-5	5	3200	0.5 - 0.8	0 - 8	4	6	0.16	0.16
W-6	6	6000	0.5 - 0.8	0 - 8	4	6	0.16	0.23
W-8	8	6000	0.6 - 0.9	0 - 9	4	6	0.16	0.4
W-10	10	6000	0.7 - 1.0	0 - 9	4	6	0.12	0.62
W-12	12	6000	0.8 - 1.2	0 - 11	5	8	0.12	0.89
W-13	13	6000	0.8 - 1.2	0 - 11	5	8	0.12	1.04
W-14	14	6000	0.9 - 1.3	0 - 11	5	8	0.12	1.21
W-15	15	6000	1.0 - 1.4	0 - 11	5	8	0.12	1.39
W-16	16	6000	1.1 - 1.5	0 - 11	5	8	0.1	1.58
W-18	18	6000	1.1 - 1.5	0 - 11	5	8	0.1	2
W-20	20	6000	1.2 - 1.5	0 - 13	6	8	0.1	2.47
W-22	22	6000	1.2 - 1.5	0 - 13	6	8	0.1	2.98
W-24	24	6000	1.4 - 1.6	0 - 13	6	8	0.1	3.55
W-25	25	6000	1.5 - 1.7	0 - 13	6	9	0.1	3.85
W-28	28	6000	1.5 - 1.8	0 - 13	6	9	0.1	4.83
W-30	30	6000	1.5 - 1.9	0 - 13	6	9	0.1	5.55
W-32	32	6000	1.5 - 1.9	0 - 16	7	11	0.1	6.31
W-35	35	6000	1.8 - 1.9	0 - 16	7	11	0.1	7.55
W-40	40	6000	1.6 - 2.0	0 - 16	7	11	0.1	9.87
W-45	45	6000	1.6 - 2.0	0 - 16	7	11	0.1	12.5
W-50	50	6000	2.2 - 2.6	0 - 16	7	11	0.1	15.4
W-55	55	6000	2.2 - 2.6	0 - 19	8	13	0.1	18.64
W-60	60	6000	2.2 - 2.6	0 - 19	8	13	0.1	22.2
W-70	70	6000	2.2 - 2.6	0 - 19	8	13	0.1	30.2
W-75	75	6000	2.2 - 2.6	0 - 19	8	13	0.1	34.7
W-80	80	6000	2.2 - 2.6	0 - 19	8	13	0.1	39.5
W-90	90	6000	2.2 - 3.2	0 - 22	8	13	0.2	49.92
W-100	100	6000	2.2 - 3.2	0 - 22	8	13	0.2	61.62

- Special tolerances and diameters are available upon request.
- Max available length 8200 mm upon request (for shafts \geq da. 16).
- Surface hardness: 58/62 HRC
- Length tolerance: +200 / -0 mm.

WZ

Induction hardened and ground shafts in inches (Ck55 or Cf53)



Shaft designation	Shaft diameter d	Standard length	Hardening depth Rht DIN 6773	Tolerance class "L"	Roundness	Parallelism	Straightness	Weight
Type	mm	inch	inch	inch	inch t1	inch t2	inch t3	Kg/m
WZ 1/4	6.35	237	0.019-0.031	-0.0005/-0.0010	0.0002	0.0002	0.008	0.25
WZ 3/8	9.525	237	0.027-0.039	-0.0005/-0.0010	0.0002	0.0002	0.008	0.56
WZ 1/2	12.7	237	0.031-0.047	-0.0005/-0.0010	0.0002	0.0003	0.008	0.99
WZ 5/8	15.875	237	0.043-0.059	-0.0005/-0.0010	0.0002	0.0003	0.008	1.55
WZ 3/4	19.05	237	0.047-0.059	-0.0005/-0.0010	0.0002	0.0004	0.008	2.24
WZ 1	25.4	237	0.059-0.066	-0.0005/-0.0010	0.0002	0.0004	0.008	3.97
WZ 1 1/4	31.75	237	0.059-0.074	-0.0005/-0.0010	0.0003	0.0004	0.004	6.22
WZ 1 1/2	38.1	237	0.062-0.078	-0.0006/-0.0011	0.0003	0.0004	0.004	8.95
WZ 2	50.8	237	0.086-0.102	-0.0006/-0.0013	0.0003	0.0004	0.004	15.91
WZ 2 1/4	57.15	237	0.086-0.102	-0.0007/-0.0015	0.0003	0.0005	0.004	20.13
WZ 2 1/2	63.5	237	0.086-0.102	-0.0007/-0.0015	0.0003	0.0005	0.004	24.85
WZ 3	76.2	237	0.086-0.102	-0.0008/-0.0017	0.0003	0.0005	0.004	35.78

- Special tolerances and diameters are available upon request.
- Max available length 8200mm upon request (for shafts \geq da. 16).
- Class "S" available upon request.
- Length tolerance: +200 / -0 mm.
- Surface hardness: 60 - 64 HRC.