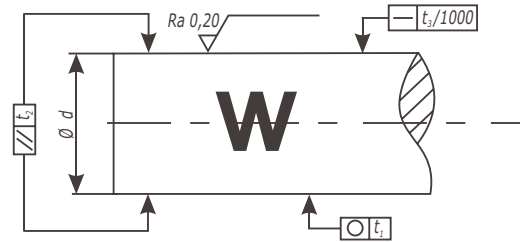


Induction hardened and ground linear shafts

Ck 55 as alternative to Cf 53



Shaft Diameter d	Weight per meter length	Shaft code number	Standard length	Hardening depth Rht DIN 6773	Standard tolerance ISO h6	Tolerance ISO g6	Roundness (circular) t1	Parallelism (cylindric) t2	Straightness t3
mm	kg		mm	mm	μm	μm	μm	μm	mm/m
3	0.055	W3	1100	0.4 - 0.6	0 - 6	-2 - 8	3	4	0.16
4	0.10	W4	2100	0.5 - 0.8	0 - 6	-2 - 8	3	4	0.16
5	0.16	W5	3200	0.5 - 0.8	0 - 8	-4 - 12	4	6	0.16
6	0.23	W6	6000	0.5 - 0.8	0 - 8	-4 - 12	4	6	0.16
8	0.40	W8	6000	0.6 - 0.9	0 - 9	-5 - 14	4	6	0.16
10	0.62	W10	6000	0.7 - 1.0	0 - 9	-5 - 14	4	6	0.12
12	0.89	W12	6000	0.8 - 1.2	0 - 11	-6 - 17	5	8	0.12
13	1.04	W13	6000	0.8 - 1.2	0 - 11	-6 - 17	5	8	0.12
14	1.21	W14	6000	0.9 - 1.3	0 - 11	-6 - 17	5	8	0.12
15	1.39	W15	6000	1.0 - 1.4	0 - 11	-6 - 17	5	8	0.12
16	1.58	W16	6000	1.1 - 1.5	0 - 11	-6 - 17	5	8	0.1
18	2.00	W18	6000	1.1 - 1.5	0 - 11	-6 - 17	5	8	0.1
20	2.47	W20	6000	1.2 - 1.5	0 - 13	-7 - 20	6	8	0.1
22	2.98	W22	6000	1.2 - 1.5	0 - 13	-7 - 20	6	8	0.1
24	3.55	W24	6000	1.4 - 1.6	0 - 13	-7 - 20	6	8	0.1
25	3.85	W25	6000	1.5 - 1.7	0 - 13	-7 - 20	6	9	0.1
28	4.83	W28	6000	1.5 - 1.8	0 - 13	-7 - 20	6	9	0.1
30	5.55	W30	6000	1.5 - 1.9	0 - 13	-7 - 20	6	9	0.1
32	6.31	W32	6000	1.5 - 1.9	0 - 16	-9 - 25	7	11	0.1
35	7.55	W35	6000	1.8 - 1.9	0 - 16	-9 - 25	7	11	0.1
40	9.87	W40	6000	1.6 - 2.0	0 - 16	-9 - 25	7	11	0.1
45	12.50	W45	6000	1.6 - 2.0	0 - 16	-9 - 25	7	11	0.1
50	15.40	W50	6000	2.2 - 2.6	0 - 16	-9 - 25	7	11	0.1
55	18.64	W55	6000	2.2 - 2.6	0 - 19	-10 - 29	8	13	0.1
60	22.20	W60	6000	2.2 - 2.6	0 - 19	-10 - 29	8	13	0.1
70	30.20	W70	6000	2.2 - 2.6	0 - 19	-10 - 29	8	13	0.1
75	34.70	W75	6000	2.2 - 2.6	0 - 19	-10 - 29	8	13	0.1
80	39.50	W80	6000	2.2 - 2.6	0 - 19	-10 - 29	8	13	0.1
90	49.92	W90	6000	2.2 - 3.2	0 - 22	-12 - 24	8	13	0.2
100	61.62	W100	6000	2.2 - 3.2	0 - 22	-12 - 24	8	13	0.2

By request we can supply shaft diameters in no listed dimensions with special length and tolerances.

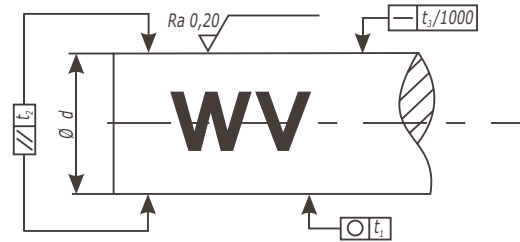
Max available length 8200 mm up to diameter 16 mm.

Surface hardness: 60-64 HRC.

Lengths tolerances (+200 / -0)mm.

Induction hardened and chromed plated linear shafts

Ck 55 as alternative to Cf 53



Shaft Diameter d	Weight per meter	Shaft code number	Standard length(*)	Hardening depth Rht DIN 6773	Standard tolerance ISO h7	Special Tolerance ISO h6	Roundness (circular) t1 (**)	Parallelism (cylindric) t2 (**)	Straightness t3
mm	kg		mm	mm	μm	μm	μm	mm/m	
3	0.055	WV3	1100	0.4-0.6	0 -10	0 -6	6	10	0.16
4	0.10	WV4	2100	0.5-0.8	0 -10	0 -6	6	10	0.16
5	0.16	WV5	3000	0.5-0.8	0 -12	0 -8	6	10	0.16
6	0.23	WV6	6000	0.5-0.8	0 -12	0 -8	6	10	0.16
8	0.40	WV8	6000	0.6-0.9	0 -15	0 -9	6	10	0.16
10	0.62	WV10	6000	0.7-1.0	0 -15	0 -9	6	10	0.12
12	0.89	WV12	6000	0.8-1.2	0 -18	0 -11	8	12	0.12
14	1.21	WV14	6000	0.9-1.3	0 -18	0 -11	8	12	0.12
15	1.39	WV15	6000	1.0-1.4	0 -18	0 -11	8	12	0.12
16	1.58	WV16	6000	1.1-1.5	0 -18	0 -1	8	12	0.1
18	2.00	WV18	6000	1.1-1.5	0 -18	0 -11	8	12	0.1
20	2.47	WV20	6000	1.2-1.5	0 -21	0 -13	9	12	0.1
22	2.98	WV22	6000	1.2-1.5	0 -21	0 -13	9	12	0.1
24	3.55	WV24	6000	1.4-1.6	0 -21	0 -13	9	12	0.1
25	3.85	WV25	6000	1.5-1.7	0 -21	0 -13	9	12	0.1
28	4.83	WV28	6000	1.5-1.8	0 -21	0 -13	9	12	0.1
30	5.55	WV30	6000	1.5-1.9	0 -21	0 -13	9	12	0.1
32	6.31	WV32	6000	1.5-1.9	0 -25	0 -16	11	15	0.1
35	7.55	WV35	6000	1.5-1.9	0 -25	0 -16	11	15	0.1
40	9.87	WV40	6000	1.6-2.0	0 -25	0 -16	11	15	0.1
45	12.50	WV45	6000	1.6-2.0	0 -25	0 -16	11	15	0.1
50	15.40	WV50	6000	2.2-2.6	0 -25	0 -16	11	15	0.1
55	18.64	WV55	6000	2.2-2.6	0 -30	0 -19	12	15	0.1
60	22.20	WV60	6000	2.2-2.6	0 -30	0 -19	12	15	0.1
70	30.20	WV70	6000	2.2-2.6	0 -30	0 -19	12	15	0.1
75	34.70	WV75	6000	2.2-2.6	0 -30	0 -19	12	15	0.1
80	39.50	WV80	6000	2.2-2.6	0 -30	0 -19	12	15	0.1
90	49.92	WV90	6000	2.2-3.2	0 -35	0 -22	8	13	0.2
100	61.62	WV100	6000	2.2-3.2	0 -35	0 -22	8	13	0.2

By request we can supply shaft diameters in no listed dimensions, with special length and tolerances.

Chrome thickness: 5 - 12 μm .

Chrome layer hardness = 900 - 1100 HV 0.1

*by request for diameter up to 16 mm we can offer max length 8200 mm.

** For: Standard tolerance ISO h7.

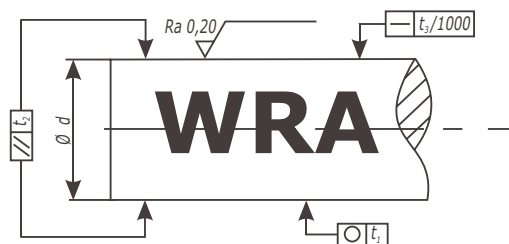
Lengths tolerances (+200 / -0)mm.

Surface hardness: 60-64 HRC.

Induction hardened stainless steel linear shafts

X90CrMoV18

W1.4112



Shaft Diameter d	Weight per meter	Shaft code number	Standard length	Hardening depth DIN 50190 (max)	Standard tolerance ISO h6	Roundness (circular) t1	Parallelism (cylindric) t2	Straightness t3
mm	kg		mm	mm	μm	μm	μm	mm/m
5	0.16	WRA 5	2100	0.5-0.8	0 -8	4	5	0.16
6	0.23	WRA 6	3100	0.5-0.8	0 -8	4	6	0.16
8	0.40	WRA 8	6000	0.6-0.9	0 -9	4	6	0.16
10	0.62	WRA 10	6000	0.7-1.0	0 -9	4	6	0.16
12	0.89	WRA 12	6000	0.8-1.2	0 -11	5	8	0.12
14	1.21	WRA 14	6000	0.9-1.3	0 -11	5	8	0.12
15	1.39	WRA 15	6000	1.1-1.5	0 -11	5	8	0.12
16	1.58	WRA 16	6000	1.1-1.5	0 -11	5	8	0.12
20	2.47	WRA 20	6000	1.2-1.6	0 -13	6	9	0.1
25	3.85	WRA 25	6000	1.5-1.7	0 -13	6	9	0.1
30	5.55	WRA 30	6000	1.5-1.9	0 -13	6	9	0.1
40	9.87	WRA 40	3000	2.5-3.0	0 -16	7	11	0.1
50	15.40	WRA 50	3000	2.7-3.2	0 -16	7	11	0.1
60	22.20	WRA 60	3000	2.9-3.3	0 -19	8	13	0.1

By request we can supply shaft diameters in no listed dimensions, with special lengths and tolerances.

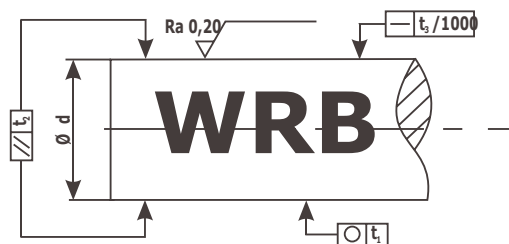
Lengths tolerances (+200 / -0)mm.

Surface hardness min 55 HRC.

Induction hardened stainless steel linear shafts

X46Cr13

W1.4034



Shaft Diameter d	Weight per meter	Shaft code number	Standard length	Hardening depth DIN 50190 (max)	Standard tolerance ISO h6	Roundness (circular) t1	Parallelism (cylindric) t2	Straightness t3
mm	kg		mm	mm	μm	μm	μm	mm/m
5	0.16	WRB 5	2100	0.5-0.8	0 - 8	4	5	0.16
6	0.23	WRB 6	3100	0.5-0.8	0 - 8	4	6	0.16
8	0.40	WRB 8	6000	0.6-0.9	0 - 9	4	6	0.16
10	0.62	WRB 10	6000	0.7-1.0	0 - 9	4	6	0.16
12	0.89	WRB 12	6000	0.8-1.2	0 - 11	5	8	0.12
14	1.21	WRB 14	6000	0.9-1.3	0 - 11	5	8	0.12
15	1.39	WRB 15	6000	0.9-1.3	0 - 11	5	8	0.12
16	1.58	WRB 16	6000	1.1-1.5	0 - 11	5	8	0.12
20	2.47	WRB 20	6000	1.2-1.5	0 - 13	6	9	0.1
25	3.85	WRB 25	6000	1.5-1.7	0 - 13	6	9	0.1
30	5.55	WRB 30	6000	1.5-1.9	0 - 13	6	9	0.1
40	9.87	WRB 40	6000	2.5-3.0	0 - 16	7	11	0.1
50	15.40	WRB 50	6000	2.7-3.2	0 - 16	7	11	0.1
60	22.20	WRB 60	6000	2.9-3.3	0 - 19	8	13	0.1

By request we can supply shaft diameters in no listed dimensions, with special lengths and tolerances.

Lengths tolerances (+200 / -0)mm.

Surface hardness min 53 HRC.