

Recommended Fits

Deviations of Shafts (VSM 58402)

Upper and lower deviations (Values in $\mu\text{m} = 0.001\text{mm}$)

Basic Sizes in mm		d9	h9	e8	f7	h7	g6	h6	js6	k6	m6	n6	p6	r6	s6	h5	js5	k5	m5
over	up to																		
	3	-20 -45	0 -25	-14 -28	-6 -16	0 -10	-2 -8	0 -6	± 3	+6 0	+8 +2	+10 +4	+12 +6	+16 +10	+20 +14	0 -4	± 2	+4 0	+6 +2
3	6	-30 -60	0 -30	-20 -38	-10 -22	0 -12	-4 -12	0 -8	± 4	+9 +1	+12 +4	+16 +8	+20 +12	+23 +15	+27 +19	0 -5	$\pm 2,5$	+6 +1	+9 +4
6	10	-40 -76	0 -36	-25 -47	-13 -28	0 -15	-5 -14	0 -9	$\pm 4,5$	+10 +1	+15 +5	+19 +10	+24 +15	+28 +19	+32 +23	0 -6	± 3	+7 +1	+12 +7
10	18	-50 -93	0 -43	-32 -59	-16 -34	0 -18	-6 -17	0 -11	$\pm 5,5$	+12 +1	+18 +7	+23 +12	+29 +18	+34 +23	+39 +28	0 -8	± 4	+9 +1	+15 +6
18	30	-65 -117	0 -52	-40 -73	-20 -41	0 -21	-7 -20	0 -13	$\pm 6,5$	+15 +2	+21 +8	+28 +15	+35 +22	+41 +28	+48 +35	0 -9	$\pm 4,5$	+11 +2	+17 +8
30	50	-80 -142	0 -62	-50 -89	-25 -50	0 -25	-9 -25	0 -16	± 8	+18 +2	+25 +9	+33 +17	+42 +26	+50 +34	+59 +43	0 -11	$\pm 5,5$	+13 +2	+20 +9
50	80	-100 -174	0 -74	-60 -106	-30 -50	0 -30	-10 -29	0 -19	$\pm 9,5$	+21 +2	+30 +11	+39 +20	+51 +32	1)		0 -13	$\pm 6,5$	+15 +2	+24 +11
80	120	-120 -207	0 -87	-72 -126	-36 -71	0 -35	-12 -34	0 -22	± 11	+25 +3	+35 +13	+45 +23	+59 +37			0 -15	$\pm 7,5$	+18 +3	+28 +13
120	180	-145 -245	0 -100	-85 -148	-43 -83	0 -40	-14 -39	0 -25	$\pm 12,5$	+28 +3	+40 +15	+52 +27	+68 +43			0 -18	± 9	+21 +3	+33 +15
180	250	-170 -285	0 -115	-100 -172	-50 -96	0 -46	-15 -44	0 -29	$\pm 14,5$	+33 +4	+46 +17	+60 +31	+79 +50			0 -20	± 10	+24 +4	+37 +17
250	315	-190 -320	0 -130	-110 -191	-56 -108	0 -52	-17 -49	0 -32	± 16	+36 +4	+52 +20	+66 +34	+88 +56			0 -23	$\pm 11,5$	+27 +4	+43 +20

Deviations of Bores (VSM 58401)

Upper and lower deviations (Values in $\mu\text{m} = 0.001\text{mm}$)

Basic Sizes in mm		H11	D10	E9	H9	JS9	N9	P9	F8	H8	G7	H7	JS7	K7	M7	N7	P7	R7	H6
Over	up to																		
	3	+60 0	+60 +20	+39 +14	+25 0	± 12	-4 -29	-6 -31	+20 +6	+14 0	+12 +2	+10 0	± 5	0 -10	-2 -12	-4 -14	-6 -16	-10 -20	+6 0
3	6	+75 -60	+78 +30	+50 +20	+30 0	± 15	0 -30	-12 -42	+28 +10	+18 0	+16 +4	+12 0	± 6	+3 -9	0 -12	-4 -16	-8 -20	-11 -23	+8 0
6	10	+90 0	+98 +40	+61 +25	+36 0	± 18	0 -36	-15 -51	+35 +13	+22 0	+20 +5	+15 0	± 7	+5 -10	0 -15	-4 -19	-9 -24	-13 -28	+9 0
10	18	+110 0	+120 +50	+75 +32	+43 0	± 21	0 -43	-18 -61	+43 +16	+27 0	+24 +6	+18 0	± 9	+6 -12	0 -18	-5 -23	-11 -29	-16 -34	+11 0
18	30	+130 0	+149 +65	+92 +40	+52 0	± 26	0 -52	-22 -74	+53 +20	+33 0	+28 +7	+21 0	± 10	+6 -15	0 -21	-7 -28	-14 -35	-20 -41	+13 0
30	50	+160 0	+180 +80	+112 +50	+62 0	± 31	0 -62	-26 -88	+64 +25	+39 0	+34 +9	+25 0	± 12	+7 -18	0 -25	-8 -33	-17 -42	-25 -50	+16 0
50	80	+190 0	+220 +100	+134 +60	+74 0	± 37	0 -74	-32 -106	+76 +30	+46 0	+40 +10	+30 0	± 15	+9 -21	0 -30	-9 -39	-21 -51	1)	+19 0
80	120	+220 0	+250 +120	+159 +72	+87 0	± 43	0 -87	-37 -124	+90 +36	+54 0	+47 +12	+35 0	± 17	+10 -25	0 -35	-10 -45	-24 -59		+22 0
120	180	+250 0	+305 +145	+185 +85	+100 0	± 50	0 -100	-43 -143	+106 +43	+63 0	+54 +14	+40 0	± 20	+12 -28	0 -40	-12 -52	-28 -68		+25 0
180	250	+290 0	+355 +170	+215 +100	+115 0	± 57	0 -115	-50 -165	+122 +50	+72 0	+61 +15	+46 0	± 23	+13 -93	0 -46	-14 -60	-33 -79		+29 0
250	315	+320 0	+400 +190	+240 +110	+130 0	± 65	0 -130	-56 -186	+137 +56	+81 0	+69 +17	+52 0	± 26	+16 -36	0 -52	-14 -66	-36 -88		+32 0

1) Over 50 mm smaller basic size steps