

Shafts and Housings for ABEC 7 - ABEC 9 Bearings

STEEL SHAFTS (Rotating)

Nominal shaft diameter in mm	≥	6	10	18	30	50	80	120	180	250
	<	10	18	30	50	80	120	180	250	315
	Tolerances of shaft diameter in µm	0 -4	0 -4	0 -4	0 -5	0 -5	+2 -4	+3 -5	+4 -6	+5 -7
	ISO	--	--	h3	--	h3	--	--	--	--

STEEL HOUSINGS

Nominal housing diameter in mm	≥	10	18	30	50	80	120	180	250	315
	<	18	30	50	80	120	180	250	315	400
Support locked axially	Tolerances in µm	+5 0	+6 0	+7 0	+8 0	+7 -3	+9 -3	+11 -3	+13 -3	+15 -3
	ISO	H4	H4	H4	H4	--	--	--	--	--
Support free axially	Tolerances in µm	+7 +2	+8 +2	+9 +2	+10 +2	+10 0	+12 0	+14 0	+16 0	+18 0
	ISO	--	--	--	--	H4	H4	H4	H4	H4

Shafts and Housings for ABEC 5 Bearings

SHAFTS (Rotating)

Nominal shaft diameter in mm	≥	6	10	18	30	50	80	120	180	250
	<	10	18	30	50	80	120	180	250	315
	Tolerances of shaft diameter in µm	0 -5	0 -5	0 -6	0 -7	0 -8	+3 -7	+4 -8	+5 -9	+6 -10
	ISO	--	h4	h4	h4	h4	--	--	--	--

STEEL HOUSINGS

Nominal housing diameter in mm	≥	10	18	30	50	80	120	180	250	315
	<	18	30	50	80	120	180	250	315	400
Support locked axially	Tolerances in µm	+8 0	+9 0	+11 0	+13 0	+12 -3	+14 -4	+16 -4	+19 -4	+21 -4
	ISO	H5	H5	H5	H5	--	--	--	--	--
Support free axially	Tolerances in µm	+10 +2	+11 +2	+13 +2	+15 +2	+15 0	+18 0	+20 0	+23 0	+25 0
	ISO	--	--	--	--	H5	H5	H5	H5	H5

* **Please note:** For special applications, please consult our Application Support Services.