

Shaft		Extract of DIN 7160									
Normal Size mm	Above To	Shaft Tolerance in 0.001 mm = .000039 inch									
		3	6	10	18	30	50	80	120	180	250
Tolerance Zone	h	0	0	0	0	0	0	0	0	0	0
	5	-5	-6	-8	-9	-11	-13	-15	-18	-20	-23
js	6	0	0	0	0	0	0	0	0	0	0
	7	-8	-9	-11	-13	-16	-19	-22	-25	-29	-32
k	6	+4	+4.5	+5.5	+6.5	+8	+9.5	+11	+12.5	+14.5	+16
	7	-4	-4.5	-5.5	-6.5	-8	-9.5	-11	-12.5	-14.5	-16
n	6	+6	+7.5	+9	+10.5	+12.5	+15	+17.5	+20	+23	+26
	7	-6	-7.5	-9	-10.5	-12.5	-15	-17.5	-20	-23	-26
Housing	5	+6	+7	+9	+11	+13	+15	+18	+21	+24	+27
	6	+1	+1	+1	+2	+2	+2	+3	+3	+4	+4
n	6	+9	+10	+12	+15	+18	+21	+25	+28	+33	+36
	7	+1	+1	+1	+2	+2	+2	+3	+3	+4	+4
Housing	6	+16	+19	+23	+28	+33	+39	+45	+52	+60	+66
	7	+8	+10	+12	+15	+17	+20	+23	+27	+31	+34
Housing	6	+20	+25	+30	+36	+42	+50	+58	+67	+77	+86
	7	+8	+10	+12	+15	+17	+20	+23	+27	+31	+34

Housing		Extract of DIN 7161									
Normal Size mm	Above To	Housing Tolerance in 0.001 mm = .000039 inch									
		3	6	10	18	30	50	80	120	180	250
Tolerance Zone	H	+8	+9	+11	+13	+16	+19	+22	+25	+29	+32
	6	0	0	0	0	0	0	0	0	0	0
N	6	-5	-7	-9	-11	-12	-14	-16	-20	-22	-25
	7	-13	-16	-20	-24	-28	-33	-38	-45	-51	-57
Keyway and Key	7	-4	-4	-5	-7	-8	-9	-10	-12	-14	-14
	7	-16	-19	-23	-28	-33	-39	-45	-52	-60	-66

Keyway and Key		Extract of DIN 6885 Bl. 1													
Normal Size mm	Above To	Keyway Tolerance in 0.001 mm = .000039 inch													
		8	10	12	17	22	30	38	44	50	58	65	75	85	95
Keysize (Width x Height)	3x3	10	12	17	22	30	38	44	50	58	65	75	85	95	110
	4x4	5x5	6x6	8x7	10x8	12x8	14x9	16x10	18x11	20x12	22x14	25x14	28x16	32x18	
Tolerance Zone P9 for keyway width	-6	-12	-15	-18	-22	-26									
	-31	-42	-51	-61	-74	-88									
Depth of Keyway (shaft)	1.8	2.5	3	3.5	4	5	5	5.5	6	7	7.5	9	9	10	11
	Tolerance				+ 100										
Depth of Keyway (hub)	1.4	1.8	2.3	2.8	3.3	3.3	3.3	3.8	4.3	4.4	4.9	5.4	5.4	6.4	7.4
	Tolerance				+ 100										

Keyway and Key		Extract of DIN 6885 Bl. 3															
Normal Size mm	Above To	Keyway Tolerance in 0.001 mm = .000039 inch															
		8	10	12	17	22	30	38	44	50	58	65	75	85	95	110	
Keysize (Width x Height)	5x3	6x4	8x5	10x6	12x6	14x6	16x7	18x7	20x8	22x9	25x9	28x10	32x11				
	-12	-15	-18	-22	-26												
Tolerance Zone P9 for keyway width	-42	-51	-61	-74	-88												
	1.9	2.5	3.1	3.7	3.9	4	4.7	4.8	5.4	6	6.2	6.9	7.6				
Depth of Keyway (shaft)	Tolerance				+ 100												
	Tolerance				+ 200												
Depth of Keyway (hub)	1.2	1.6	2	2.4	2.2	2.1	2.4	2.3	2.7	3.1	2.9	3.2	3.5				
	Tolerance				+ 100										+ 200		