

Timing Pulley & Belt Overview

continued

Metric Keyway Dimension

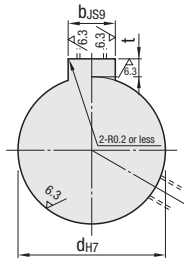
N: New JIS (B1301) Keyway Dimensions

Nominal	d_{H7}	b_{JS9}	t Tolerance
N8	8	3	± 0.0125
N10	10		
NK10	10		
N11	11		
N12	12	4	1.8
N13	13		
N14	14		
N15	15		
N16	16	5	± 0.0150
N17	17		
N18	18		
N19	19		
N20	20	6	2.8
N21	21		
N22	22		
N23	23		
N24	24	8	± 0.0180
N25	25		
N26	26		
N27	27		
N28	28	10	3.3
N29	29		
N30	30		
N31	31		
N32	32	10	± 0.0180
N33	33		
N34	34		
N35	35		
N36	36	10	± 0.0180
N37	37		
N38	38		

Nominal	d_{H7}	b_{JS9}	t Tolerance
N39	39	12	3.3
N40	40		
N41	41		
N42	42		
N43	43	14	± 0.0215
N44	44		
N45	45		
N46	46		
N47	47	16	4.3
N48	48		
N49	49		
N50	50		
N55	55	18	4.4
N60	60		
N61	61		
N62	62		
N63	63	20	± 0.0260
N64	64		
N65	65		
N66	66		
N67	67	20	4.9
N68	68		
N69	69		
N70	70		

C: Old JIS Keyway Dimension

d_{H7} Shaft Bore Dia. & Codes	b_{F7}	t Tolerance
C10	4	1.5
C12		
C15		
C16		
C18	5	2
C19		
C20		
C30		
C33	7	3
C34		
C35		
C36		
C37	10	± 0.028 ± 0.013
C38		
C39		
C40		
C41	12	3.5
C42		
C43		
C44		
C45	15	5
C50		
C55		
C60		
C61	18	± 0.034 ± 0.016
C62		
C63		
C64		
C65	18	6
C66		
C67		
C68		
C69	18	6
C70		



Inch Key Groove Dimension

Keyed Bore (ANSI B17.1-1989)

d	b		t		Applicable Square Key Size*
	Width	Tolerance	Height	Tolerance	
0.31	3/32	0.094	0.352	0.352	3/32
0.38	3/32	0.094	0.416	0.416	3/32
0.50	1/8	0.125	0.560	0.560	1/8
0.63	3/16	0.188	0.709	0.709	3/16
0.75	3/16	0.188	0.837	0.837	3/16
0.88	3/16	0.188	0.964	0.964	3/16
1.00	1/4	0.250	1.114	1.114	1/4
1.25	1/4	0.250	1.367	1.367	1/4
1.38	5/16	0.313	1.518	1.518	5/16
1.50	3/8	0.375	1.669	1.669	3/8
1.63	3/8	0.375	1.796	1.796	3/8
1.75	3/8	0.375	1.922	1.922	3/8
1.88	1/2	0.500	2.096	2.096	1/2
2.00	1/2	0.500	2.223	2.223	1/2