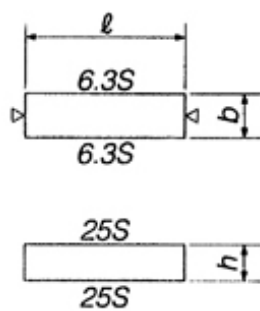
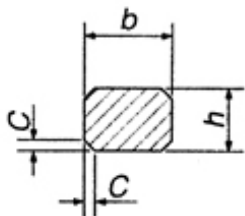


# KEYWAY AND KEY DIMENSIONS TABLE

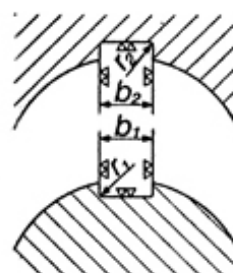
a) ISO Standard Parallel Key based on ISO R773, BS 4235: Part I : 1972, and JIS B1301-1976



Section Drawing of Key



Section Drawing of Keyway



**Mechtech**

24 Dusseldorf Street  
Apex Ext. 3  
Benoni

Tel: 011 421 8652 / 3

011 421 1362

Fax: 086 601 2925

086 684 3690

011 421 9259

V.A.T. No. 4460167572

E-mail: trevorw@mechtech.co.za

lindzey@mechtech.co.za

Internet: <http://www.mechtech.co.za>

Dimensions in mm

Key Size $b \times h$	Key					Keyway										Shaft	
	b		h		Chamfer	Length Range	Nominal Width $b_1$ and $b_2$	Close Fit		Normal Fit		Radius $r_1$ and $r_2$	Nominal Depth (Shaft) $t_1$	Nominal Depth (Hud) $t_2$	Tolerance for $t_1$ and $t_2$	(4) Applicable Nominal Shaft Dia.	
	Nominal Width	Tolerance ( $h_9$ )	Nominal Thickness	Tolerance				$b_1$ and $b_2$	$b_1$	$b_2$	Tolerance ( $P_9$ )					Tolerance ( $N_9$ )	Tolerance ( $Js_9$ )
2 × 2	2	0	2	0	0.16 to 0.25	6-20	2	-0.006	-0.004	±0.0125	0.08 to 0.16	1.2	1.0	+0.1 0	6	8	
3 × 3	3	-0.025	3	-0.025		6-36	3	-0.031	-0.029	±0.0150		1.8	1.4		8	10	
4 × 4	4	0	4	0		8-45	4	-0.012	0			10	12				
5 × 5	5	-0.030	5	-0.030	0.25 to 0.40	10-56	5	-0.042	-0.030	±0.0180	0.16 to 0.25	3.0	2.3	+0.2 0	12	17	
6 × 6	6	0	6	0		14-70	6	-0.015	0			17	22				
8 × 7	8	-0.036	7	-0.036	0.40 to 0.60	18-90	8	-0.051	-0.036	±0.0215	0.25 to 0.40	4.0	3.3	+0.3 0	22	30	
10 × 8	10	0	8	0		22-110	10	-0.018	0			30	38				
12 × 8	12	-0.043	8	-0.043		28-140	12	-0.061	-0.043			38	44				
14 × 9	14	0	9	0	0.60 to 0.80	36-160	14	-0.022	0	±0.0260	0.40 to 0.60	5.5	3.8	+0.4 0	44	50	
16 × 10	16	-0.052	10	-0.052		45-180	16	-0.074	-0.052			50	58				
18 × 11	18	0	11	0		50-200	18	-0.106	-0.074			58	65				
20 × 12	20	-0.062	12	-0.062	1.00 to 1.20	56-220	20	-0.032	0	±0.0370	0.70 to 1.00	7.5	4.9	+0.5 0	65	75	
22 × 14	22	0	14	0		63-250	22	-0.037	0			75	85				
25 × 14	25	-0.062	14	-0.062		70-280	25	-0.106	-0.074			85	95				
28 × 16	28	0	16	0	1.60 to 2.00	80-320	28	-0.037	0	±0.0435	2.00 to 2.50	10.0	6.4	+0.6 0	95	110	
32 × 18	32	-0.062	18	-0.062		90-360	32	-0.124	-0.087			110	130				
36 × 20	36	0	20	0		-	36	-0.026	0			130	150				
40 × 22	40	-0.062	22	-0.062	2.50 to 3.00	-	40	-0.088	-0.062	±0.0435	2.00 to 2.50	12.0	8.4	+0.7 0	150	170	
45 × 25	45	0	25	0		-	45	-0.032	0			170	200				
50 × 28	50	-0.074	28	-0.074		-	50	-0.106	-0.074			200	230				
56 × 32	56	0	32	0	2.50 to 3.00	-	56	-0.037	0	±0.0435	2.00 to 2.50	15.0	10.4	+0.8 0	230	260	
63 × 32	63	-0.074	32	-0.074		-	63	-0.106	-0.074			260	290				
70 × 36	70	0	36	0		-	70	-0.124	-0.087			290	330				
80 × 40	80	-0.087	40	-0.087	2.50 to 3.00	-	80	-0.037	0	±0.0435	2.00 to 2.50	17.0	11.4	+0.9 0	330	380	
90 × 45	90	0	45	0		-	90	-0.037	0			380	440				
100 × 50	100	-0.087	50	-0.087		-	100	-0.124	-0.087			440	500				