

Tapered Machine Keys with Gib Head

Tapered Machine Keys with Gib Head

RoHS10

KTH

JIS B 1301-1996 (New JIS Standard)

Type	Material	Tensile Strength
KTH	1045 Carbon Steel Equivalent	600 N/mm ² or More

Type	Part Number		h	L	h ₁	h ₂ / f	(e)	C
	B _{top}							
KTH	4	0	4	30	7	4	4	0.16-0.25
	5	-0.030	5	40	8	5	5	
	6		6	45	10	6	6	
	7	0	7.2	50	10	7	7	0.25-0.40
	8	-0.036	7	60		8	8	
	10	0	8	75	12	8	10	0.40-0.60
	12	-0.090	8	90		8	12	
	14	0	9	110	14	9	14	
	15	-0.043	10.2	110	15	10	15	
	16	0	10	120	16	10	16	
	18	0	11	135	18	11	18	
	20	0	12	150	20	12	20	0.60-0.80
	22	-0.110	14	170	22	14	22	
	24	0	16.2	180	24	16	24	
	25	-0.070	14	200	22	14	25	
	28	0	16	210	25	16	28	
	32	-0.110	18	240	28	18	32	
	35	0	22.3	260	32	22	35	1.00-1.20
36	-0.062	20	280	20		36		
38	0	24.3	285	24		38		
	-0.084							

Part Number Example Part Number **KTH12**

Part Number Alterations Part Number - (LC) **KTH10 - LC60**

Alteration	Code	Spec.																				
L Dimension Change	LC	LC=1 mm Increment LC(Min.) ≤ LC ≤ L For LC(Min.), see below.																				
		<table border="1"> <thead> <tr> <th>B</th> <th>LC (Min.)</th> </tr> </thead> <tbody> <tr><td>4 5</td><td>10</td></tr> <tr><td>6 7 8</td><td>15</td></tr> <tr><td>10 12</td><td>20</td></tr> <tr><td>14 15 16</td><td>22</td></tr> <tr><td>18 20</td><td>25</td></tr> <tr><td>22 24 25</td><td>30</td></tr> <tr><td>28</td><td>35</td></tr> <tr><td>32 35 36</td><td>40</td></tr> <tr><td>38</td><td>45</td></tr> </tbody> </table>	B	LC (Min.)	4 5	10	6 7 8	15	10 12	20	14 15 16	22	18 20	25	22 24 25	30	28	35	32 35 36	40	38	45
B	LC (Min.)																					
4 5	10																					
6 7 8	15																					
10 12	20																					
14 15 16	22																					
18 20	25																					
22 24 25	30																					
28	35																					
32 35 36	40																					
38	45																					

Dowel Pins

Oversized

MS
MSC
MSCSS

RoHS10

Straight

Type	Material	Hardness
MS	52100 Bearing Steel	58 HRC min.
MSC	440C Stainless Steel	58 HRC min.
MSCSS	304 Stainless Steel	—

l ₁	Part Number		L															
	Type	D																
0.4	MS	1	6	8	10													
0.6		1.5	6	8	10													
1.0		2	6	8	10	15	20											
		2.5	6	8	10	15	20	25	30									
		3	6	8	10	15	20	25	30	35	40							
1.5		4	8	10	15	20	25	30	35	40	45	50						
		5	8	10	15	20	25	30	35	40	45	50						
2.0		6	8	10	15	20	25	30	35	40	45	50	55	60				
2.5		8	10	15	20	25	30	35	40	45	50	55	60	65	70	80		
3.0		10	15	20	25	30	35	40	45	50	55	60	65	70	80			
3.5		12	20	25	30	35	40	45	50	55	60	70	80					
		13	20	25	30	35	40	45	50	55	60	70	80					

l ₁	Part Number		L																
	Type	D																	
0.4	MSC	1	5	6	8	10													
0.6		1.5	5	6	8	10													
1.0		2	5	6	8	10	12	15	20										
		2.5	6	8	10	12	15	20	25	30	35	40							
		3	6	8	10	12	15	20	25	30	35	40							
1.5		4	8	10	12	15	20	25	30	35	40	50							
		5	8	10	12	15	20	25	30	35	40	50							
2.0		6	8	10	12	15	20	25	30	35	40	50	60						
2.5		8	10	12	15	20	25	30	35	40	50	60							
3.0		10	15	20	25	30	35	40	50	60									
3.5		12	15	20	25	30	35	40	50	60									
		12	15	20	25	30	35	40	50	60									

l ₁	Part Number		L									
	Type	D										
0.3	MSCSS	0.9	5	6	8	10						
0.4		1	5	6	8	10						
0.6		1.5	5	6	8	10						
1.0		2	6	8	10	12	15					
		2.5	6	8	10	12	15					
		3	6	8	10	12	15	20				
1.5		4	8	10	12	15	20					
		5	10	12	15	20						
2.0		6	10	12	15	20	25					

Ⓛ₁ dimension may become larger than the value shown in the catalog due to polishing process.

MSCM
MSCSM

RoHS10

Straight Chamfered

Type	Material	Hardness
MSCM	440C Stainless Steel	58 HRC min.
MSCSM	304 Stainless Steel	—

C	Part Number		L										
	Type	D											
0.3 or Less	MSCM	2	6	8	10	12	15						
		3	10	12	15	20							
		4	10	12	15	20							
		5	10	12	15	20							
		6	10	12	15	20	25						

C	Part Number		L										
	Type	D											
0.3 or Less	MSCSM	2	6	8	10	12	15						
		3	10	12	15	20							
		4	10	12	15	20							
		5	10	12	15	20							
		6	10	12	15	20							
		6	10	12	15	20	25						

Part Number Example Part Number - L
MS2 - 10
MSCM4 - 12