

# Parallel Keys / Tapered Machine Keys with Gib Head

## Blank Type

**Parallel Keys** RoHS10 **KET**

JIS B 1301-1996 (New JIS Standard)

Type **[M]** Material Tensile Strength  
**KET** 1045 Carbon Steel 600N/mm<sup>2</sup> or More

Part Number Type B	Tolerance (H9)	H	Tolerance (h9)	C	Unit Price 1-3 pcs.	Volume Discount Rate 4-19 20-49 50-100
3	0	3	0	0.16-0.25		
4	-0.025	4	0			
5	0	5	-0.030			
6	-0.030	6	0	0.25-0.40		
7	0	7	-0.036			
8	-0.036	8	0			
10	0	10	-0.090	0.40-0.60		

Part Number Type B	Tolerance (H9)	H	Tolerance (h9)	C	Unit Price 1-3 pcs.	Volume Discount Rate 4-19 20-49 50-100
12	0	12	0			
14	0	14	0			
15	-0.043	15	-0.090	0.40-0.60		
16	0	16	0			
18	0	18	-0.110			

**Ordering Example** Part Number **KET10**

**Days to Ship** [Configure Online](#)

**Parallel Keys - Stainless Steel** RoHS10 **KETS**

JIS B 1301-1996 (New JIS Standard)

Type **[M]** Material Tensile Strength  
**KETS** S15 Stainless Steel 600N/mm<sup>2</sup> or More

Part Number Type B	H	C	Unit Price 1-3 pcs.	Volume Discount Rate 4-19 20-49 50-100
2	2	0.2		
3	3			
4	4			
5	5	0.3		
6	6	+0.015 -0.025		
7	7	+0.015 -0.025		
8	8			
10	8	0.5		
12	9			
14	9			

**Ordering Example** Part Number **KETS8 - H7**

**Days to Ship** [Configure Online](#)

**Tapered Machine Keys with Gib Head** RoHS10 **KTH**

JIS B 1301-1996 (New JIS Standard)

Type **[M]** Material Tensile Strength  
**KTH** 1045 Carbon Steel 600N/mm<sup>2</sup> or More

Part Number Type B	h	L	h1	h2, f	(e)	C	Unit Price 1-4 pcs.	Volume Discount Rate 5-9 10-29 30-49
4	4	30	7	4	4	0.16-0.25		
5	0	40	8	5	5			
6	-0.030	45	10	6	6	0.25-0.40		
7	0	50	10	7	7			
8	0	60	11	7	8			
10	-0.036	75	12	8	10			
12	0	90	12	8	12	0.40-0.60		
14	0	110	14	9	14			
15	0	110	15	10	15			
16	-0.043	120	16	10	16			
18	0	135	18	11	18			
20	0	150	20	12	20			
22	-0.110	170	22	14	22			
24	0	180	24	16	24	0.60-0.80		
25	-0.052	200	22	14	25			
28	0	210	25	16	28			
32	-0.110	240	28	18	32			
35	0	260	32	22	35	1.00-1.20		
36	-0.062	280	20	36				
38	0	285	36	24	38			

**Ordering Example** Part Number **KTH12**

**Days to Ship** [Configure Online](#)

**Alterations** Part Number **KTH10 - LC60**

Alteration	Code	Spec.	Price Adder
L Dimension Change	LC	LC=1mm Increment LC (Min.) ≤ LC ≤ L For LC (Min.), see below	
		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	

# Screw Plugs

**MSW: Dimple Shape and Dimension** RoHS10

Material: MSW 4137 Alloy Steel (M2.5-10)  
 1045 Carbon Steel (M12-45)  
 MSWS, MSWA, MSWAS 1045 Carbon Steel

Hardness: 34-43HRC

Surface Treatment: Black Oxide (JIS B 0207 Class 2)

Material: MSWZ, MSWZS 1045 Carbon Steel

Hardness: 33-38HRC

Surface Treatment: Black Oxide (JIS B 0207 Class 2)

\* Please note the tip of MSW3, 4, 5 is a cut point.

**Standard Type**

MxP	L	B	t	Part Number Type	Small Order Charge 1-19 pcs.	Unit Price 20-49	Volume Discount Rate 50-299 300-500
2.5	0.45	3	1.3	2.5			
3	0.5	3	1.5	3*			
4	0.7	4	2	4*			
5	0.8	5	2.5	5*			
6	1.0	6	3	6			
8	1.25	8	4	8			
10	1.5	10	5	10			
12		12	6	12			
14		14	8	14			
16		16	8	16			
18		18	10	18			
20		20	10	20			
22		22	12	22			
24		24	12	24			
25		25	12	25			
26		26	12	26			
27		27	14	27			
28		28	14	28			
30		30	14	30			
33		33	14	33			
36		36	17	36			
38		38	17	38			
40		40	17	40			
42		42	17	42			
45		45	17	45			

\* The tip of MSW3, 4, 5 is a cut point.

**Short Type**

MxP	L	B	t	Part Number Type	Unit Price 1-299 pcs.	Volume Discount Rate 300-499 500-999 1000-2000
8	1.25	8	4	8		
10	1.5	10	5	10		
12		12	6	12		
14		14	6	14		
16		16	8	16		
18		18	8	18		
20		20	10	20		
22		22	10	22		
24		24	12	24		
25		25	12	25		
26		26	12	26		
27		27	14	27		
28		28	14	28		
30		30	14	30		
33		33	14	33		

**MSWA (Through Hole)**

MxP	L	B	H	t	Part Number Type	Unit Price 1-99 pcs.	Volume Discount Rate 100-199 200-299 300-500
6	1.0	8	3	9	6		
8	1.25	10	4	11	8		
10	1.5	12	5	13	10		
12		14	6	15	12		
14		16	7	17	14		
16		18	8	19	16		
18		20	9	21	18		
20		22	10	23	20		
22		24	11	25	22		
24		26	12	27	24		
25		27	12	28	25		
26		28	14	29	26		
27		29	14	30	27		
28		30	14	31	28		
30		32	17	33	30		
33		36	17	36	33		

**MSWS (Short)**

MxP	L	B	t	Part Number Type	Small Order Charge 1-19 pcs.	Unit Price 20-299	Volume Discount Rate 300-499 500-1000
8	1.25	8	4	8-6			
10	1.5	10	5	10-6			
12		12	6	12-6			
14		14	6	14-6			
16		16	8	16-6			
18		18	8	18-6			
20		20	10	20-8			
22		22	10	22-8			
24		24	12	24-8			
25		25	12	25-8			
26		26	14	26-8			
27		27	14	27-8			
28		28	14	28-8			
30		30	14	30-8			
33		33	17	33-8			

**MSWAS (Through Hole Short)**

MxP	L	B	t	Part Number Type	Unit Price 1-299 pcs.	Volume Discount Rate 300-499 500-999 1000-2000
8	1.25	8	4	8-6		
10	1.5	10	5	10-6		
12		12	6	12-6		
14		14	6	14-6		
16		16	8	16-6		
18		18	8	18-6		
20		20	10	20-8		
22		22	10	22-8		
24		24	12	24-8		
25		25	12	25-8		
26		26	14	26-8		
27		27	14	27-8		
28		28	14	28-8		
30		30	14	30-8		
33		33	17	33-8		

**MSWZS (With Washer Short)**

MxP	L	B	H	t	C	Part Number Type	Unit Price 1-99 pcs.	Volume Discount Rate 100-199 200-299 300-500
10	1.5	5	13			10-10		
12		6	15			12-10		
14		8	17			14-10		
16		8	19			16-10		
18		10	21			18-10		
20		10	23			20-10		
22		12	25			22-10		
24		12	27			24-10		
25		12	28			25-10		
26		14	29			26-10		
27		14	30			27-10		
28		14	31			28-10		
30		17	33			30-12		
33		17	36			33-12		

\* Short Type has shorter L dimension and fewer threads, compared with the standard type (MSW, MSWA, MSWZ). Before use, check the load applied to the screw plug and the material of the plate to be tapped.

**Ordering Example** Part Number **MSW18 MSWS18-6**

**Days to Ship** [Configure Online](#)

**Price** [Configure Online](#)