

Parallel Keys / Tapered Machine Keys with Gib Head

Blank Type

Parallel Keys (KET) are now on the website.

Parallel Keys - Stainless Steel

KETS

Type | Material | Tensile Strength
KETS | SUS316 | 600N/mm² or More

Part Number Type	B	H	C	Unit Price 1 ~ 3 pc(s).	Volume Discount Rate		
					4-19	20-49	50-100
KETS	2	+0.015 -0.025	0.2				
	3						
	4						
	5						
	6						
	7						
	8						
10	+0.015 -0.025	0.3					
12							
14							

Ordering Example: Part Number **KETS8** - **H** **7**

Tapered Machine Keys with Gib Head

KTH

Type | Material | Tensile Strength
KTH | S45C | 600N/mm² or More

B Dimension/H Dimension conform to B 1301-1996 (New JIS Standard).

Part Number Type	Bh9	h	L	h1	h2, f	(e)	C	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
									5-9	10-29	30-49
KTH	4	0 -0.030	4	30	7	4	4	0.16-0.25			
	5										
	6										
	7	0 -0.036	7.2	45	10	6	6	0.25-0.40			
	8										
	10										
	12	0 -0.043	8	60	11	7	8	0.40-0.60			
	14										
	15										
	16	0 -0.052	10.2	75	12	8	10	0.60-0.80			
	18										
	20										
	22	0 -0.062	10	90	14	9	14	1.00-1.20			
	24										
	25										
	28	0 -0.084	14	110	15	10	15				
	32										
	35										
36	0 -0.084	16	120	16	10	16					
38											
42											
45	0 -0.084	18	135	18	11	18					
48											
52											

Ordering Example: Part Number **KTH12**

Alterations

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

Alteration	Code	Spec.
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 (Short Type)

MSWA (Through Hole Type)

MSWZ (With Washer Type)

Part Number | dz max.
MSW3 | 1.4
MSW4 | 2.0
MSW5 | 2.5

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

Type	M	Material	Hardness	Surface Treatment
MSW	2.5-10	SCM435	45-53HRC	Black Oxide (JIS B 0207 Class 2)
MSWA, MSWZ	8-33	S45C	34-43HRC	Black Oxide (JIS B 0207 Class 2)

Material: MSWZ · MSWZS S45C
Hardness: 33-38HRC
Surface Treatment: Black Oxide (JIS B 0207 Class 2)

Standard Type

MxP	L	B	t	Part Number Type	M	Unit Price	Volume Discount Rate
						1-299	300-500
2.5	0.45	3	1.3	MSW	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	8	5		10		
12	1.5 (Fine)	10	6		12		
14		8	5.5		14		
16		10	6		16		
18	1.5 (Fine)	12	14		18		
20		14	6		20		
22		17	10		22		
24	1.5 (Fine)	18	17		24		
25		10	6		25		
26		14	6		26		
27	1.5 (Fine)	17	10		27		
28		14	6		28		
30		17	10		30		
33	1.5 (Fine)	18	10		33		
36		14	6		36		
38		17	10		38		
40	1.5 (Fine)	18	10		40		
42		14	6		42		
45		17	10		45		

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

Short Type

MxP	L	B	t	Part Number Type	M	Unit Price	Volume Discount Rate
						1-299 pc(s)	300-499
8	1.25	8	4	MSWA (Through Hole)	8		
10	1.5	8	5		10		
12	1.5 (Fine)	6	6		12		
14		8	6		14		
16		10	6		16		
18	1.5 (Fine)	10	8		18		
20		12	8		20		
22		14	8		22		
24	1.5 (Fine)	12	14		24		
25		10	6		25		
26		14	6		26		
27	1.5 (Fine)	17	10		27		
28		14	6		28		
30		17	10		30		
33	1.5 (Fine)	18	10		33		

MSWZ (With Washer)

MxP	L	B	H	t	C	Part Number Type	M	Unit Price	Volume Discount Rate
								1-99 pc(s)	100-199
6	1.0	8	3	9	MSWZ (With Washer)	6			
8	1.25	10	4	11		8			
10	1.5	5	13	10		10			
12	1.5 (Fine)	6	15	12		12			
14		8	17	14		14			
16		10	19	16		16			
18	1.5 (Fine)	10	21	18		18			
20		12	23	20		20			
22		14	25	22		22			
24	1.5 (Fine)	12	27	24		24			
25		10	28	25		25			
26		14	29	26		26			
27	1.5 (Fine)	15	30	27		27			
28		12	31	28		28			
30		17	33	30		30			
33	1.5 (Fine)	17	36	33		33			

MSWS (Short)

MxP	L	B	t	Part Number Type	M-L	Unit Price	Volume Discount Rate
						1-299	300-499
8	1.25	4	4	MSWS (Short)	8-6		
10	1.5	5	5		10-6		
12	1.5 (Fine)	6	3		12-6		
14		6	3		14-6		
16		8	3		16-6		
18	1.5 (Fine)	10	4		18-6		
20		12	4		20-8		
22		14	4		22-8		
24	1.5 (Fine)	14	4		24-8		
25		12	4		25-8		
26		14	4		26-8		
27	1.5 (Fine)	17	4		27-8		
28		14	4		28-8		
30		17	4		30-8		
33	1.5 (Fine)	17	4		33-8		

MSWA (Through Hole)

MxP	L	B	t	Part Number Type	M-L	Unit Price	Volume Discount Rate
						1-299 pc(s)	300-499
8	1.25	4	4	MSWA (Through Hole)	8-6		
10	1.5	5	5		10-6		
12	1.5 (Fine)	6	6		12-6		
14		8	6		14-6		
16		10	6		16-6		
18	1.5 (Fine)	10	8		18-6		
20		12	8		20-8		
22		14	8		22-8		
24	1.5 (Fine)	14	8		24-8		
25		12	8		25-8		
26		14	8		26-8		
27	1.5 (Fine)	17	8		27-8		
28		14	8		28-8		
30		17	8		30-8		
33	1.5 (Fine)	17	8		33-8		

MSWZ (With Washer)

MxP	L	B	H	t	C	Part Number Type	M-L	Unit Price	Volume Discount Rate
								1-99 pc(s)	100-199
10	1.5	5	13	MSWZ (With Washer)	2.0	10-10			
12	1.5 (Fine)	6	15			12-10			
14		8	17			14-10			
16		10	19			16-10			
18	1.5 (Fine)	10	21			18-10			
20		12	23			20-10			
22		14	25			22-10			
24	1.5 (Fine)	12	27			24-10			
25		10	28			25-10			
26		14	29			26-10			
27	1.5 (Fine)	15	30			27-10			
28		12	31			28-10			
30		17	33			30-12			
33	1.5 (Fine)	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** **MSW18-6**

For orders larger than indicated quantity, please check with WOS-P99