

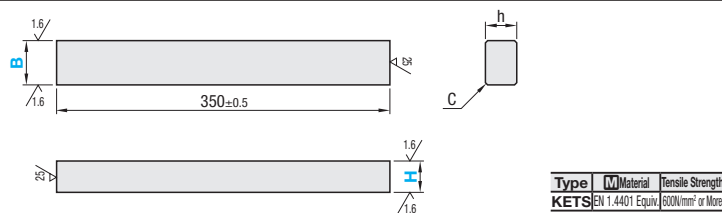
Parallel Keys / Tapered Machine Keys with Gib Head

Blank Type

Parallel Keys (KET) are now on the website.

■ Parallel Keys - Stainless Steel

KETS



Type	Material	Tensile Strength
KETS	EN 1.4401 Equiv.	600N/mm ² or More

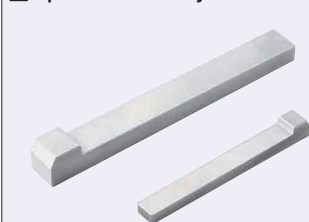
Part Number		H	C	Unit Price 1 ~ 3 pc(s).	Volume Discount Rate		
Type	B				4~19	20~49	50~100
KETS	2	2	0.2				
	3	3					
	4	4					
	5	5					
	6	6	0.3				
	7	7					
	8	8					
	10						
	12		0.5				
	14	9					



Part Number - H
KETS8 - 7

■ Tapered Machine Keys with Gib Head

KTH



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

Type	Material	Tensile Strength
KTH	EN 1.1191 Equiv.	600N/mm ² or More

Part Number		h	L	h1	h2, f	(e)	C	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate		
Type	Bh9								5~9	10~29	30~49
KTH	4	0	4	0	30	7	4	0.16~0.25			
	5	-0.030	5	-0.030	40	8	5				
	6		6		45	10	6	0.25~0.40			
	7		7.2	0.036	50	7	7				
	8	0	8		60	11	8				
	10	-0.036	8	0	75	8	10				
	12		8	-0.090	90	12	12				
	14		9		110	14	14	0.40~0.60			
	15	0	10.2	0	110	15	15				
	16	-0.043	10	-0.090	120	16	16				
	18		11		135	18	18				
	20		12	-0.110	150	20	20				
	22		14	-0.110	170	22	22				
	24	0	16.2	0.070	180	24	24	0.60~0.80			
	25	-0.052	14	0	200	22	25				
	28		16	-0.110	210	25	28				
	32		18		240	28	32				
	35	0	22.3	0.084	260	32	35	1.00~1.20			
	36	-0.062	20	0.130	280	20	36				
	38		24.3	0.084	285	36	38				



Ordering Example

Part Number
KTH12



Alterations



Part Number - (LC)
KTH10 - LC60

Alteration	Code	Spec.
L Dimension Change		
L		
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

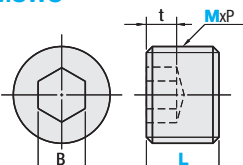


■ MSW: Dimple Shape and Dimension

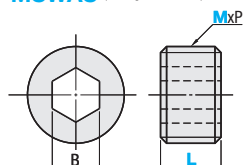
Part Number/dz max.
MSW3 1.4
MSW4 2.0
MSW5 2.5

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

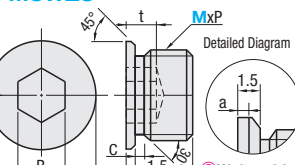
MSW
MSWS (Short Type)



MSWA
MSWAS (Through Hole Type)



MSWZ
MSWZS (With Washer Type)



Type	M	Material	Hardness	Surface Treatment
MSW	2.5~10	EN 1.7220 Equiv.	45~53HRC	
MSWS	12~45	EN 1.1191 Equiv.	34~43HRC	
MSWA	8~33	EN 1.1191 Equiv.	34~43HRC	Black Oxide (JIS B 0207 Class 2)
MSWAS				

Material: MSWZ · MSWZS EN 1.1191 Equiv.
Hardness: 33~38HRC
Surface Treatment: Black Oxide (JIS B 0207 Class 2)

■ Standard Type

MxP	L	B	t	Part Number		Unit Price	Volume Discount Rate
				Type	M		
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		10	6		12		
14		10	8		14		
16		10	10		16		
18		10	12		18		
20		10	14		20		
22		12	16		22		
24		12	18		24		
25		12	20		25		
26		12	22		26		
27		12	24		27		
28		12	26		28		
30		12	28		30		
33		12	30		33		
36		12	32		36		
38		12	34		38		
40		12	36		40		
42		12	38		42		
45		12	40		45		

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

MxP	L	B	Part Number		Unit Price	Volume Discount Rate
			Type	M		
8	1.25	8		8		
10	1.5	10		10		
12		10		12		
14		10		14		
16		10		16		
18		10		18		
20		10		20		
22		12		22		
24		12		24		
25		12		25		
26		12		26		
27		12		27		
28		12		28		
30		12		30		
33		12		33		

MxP	L	B	H	t	Part Number		Unit Price	Volume Discount Rate
					Type	M		
6	1.0	8	3	9		6		
8	1.25	10	4	11		8		
10	1.5	12	5	13		10		
12		12	6	15		12		
14		12	7	17		14		
16		12	8	19		16		
18		12	10	21		18		
20		12	12	23		20		
22		12	14	25		22		
24		12	16	27		24		
25		12	18	28		25		
26		12	20	29		26		
27		12	22	30		27		
28		12	24	31		28		
30		12	26	32		30		
33		12	28	33		33		

■ Short Type

MxP	L	B	t	Part Number		Unit Price	Volume Discount Rate
				Type	M-L		
8	1.25	4			8-6		
10	1.5	5			10-6		
12		6	3		12-6		
14		6			14-6		
16		8			16-6		
18		10			18-6		
20		10			20-8		
22		12			22-8		
24		12			24-8		
25		12			25-8		
26		12			26-8		
27		12			27-8		
28		12			28-8		
30		12			30-8		
33		12			33-8		

MxP	L	B	Part Number		Unit Price	Volume Discount Rate
			Type	M-L		
8	1.25	4		8-6		
10	1.5	5		10-6		
12		6		12-6		
14		6		14-6		
16		8		16-6		
18		10		18-6		
20		10		20-8		
22		12		22-8		
24		12		24-8		
25		12		25-8		
26		12		26-8		
27		12		27-8		
28		12		28-8		
30		12		30-8		
33		12		33-8		

MxP	L	B	H	t	C	Part Number		Unit Price	Volume Discount Rate
						Type	M-L		
10	1.5	5	13				10-10		
12		6	15				12-10		
14		6	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		12	29				26-10		
27		12	30				27-10		
28		12	31				28-10		
30		12	33				30-12		
33		12	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
MSW18
MSWS18 - 6

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