

# Parallel Keys

Configurable

**Parallel Keys - Configurable**

**KEDF**

**KESF**

**KEGF**

L	Tolerance
Min. -10	0 -0.15
11-18	0 -0.18
19-30	0 -0.21
31-50	0 -0.25
51-80	0 -0.30
81-120	0 -0.35
121-180	0 -0.40
181-250	0 -0.46
251-300	0 -0.52

Type	Material	Tensile Strength
KEDF KESF KEGF	1045 Carbon Steel Equivalent	600 N/mm <sup>2</sup> or More

JISB1301-1996 (New JIS Standard)

Part Number	L 1mm Increment	H Tolerance	C
2	5-20	0 -0.025	0.16-0.25
3	21-30	0 -0.025	
4	6-50	0 -0.030	
5	51-60	0 -0.030	0.25-0.40
6	8-60	0 -0.036	
7	61-80	0 -0.036	
8	10-80	0 -0.036	0.40-0.60
10	81-100	0 -0.090	
12	15-80	0 -0.090	
14	81-150	0 -0.043	0.40-0.60
15	16-90	0 -0.043	
16	91-150	0 -0.043	
18	101-150	0 -0.043	
	30-110	0 -0.110	
	111-150	0 -0.110	

Part Number	L 1mm Increment	H Tolerance	C
20	40-100	0 -0.052	0.60-0.80
22	101-150	0 -0.052	
25	151-200	0 -0.052	
28	40-100	0 -0.110	0.60-0.80
	101-150	0 -0.110	
	151-200	0 -0.110	
32	40-100	0 -0.062	0.60-0.80
	101-150	0 -0.062	
	151-200	0 -0.062	

Part Number Example: **KEGF28 - 120**

# Parallel Keys

Tapped and Counterbored Holes / With Tapped Hole

**Parallel Keys - Tapped Hole**

**KEDM**  
**KEDSM** Stainless Steel

**KESM**  
**KESSM** Stainless Steel

**KEGM**  
**KEGSM** Stainless Steel

Type	Material	Tensile Strength
KEDM KESM KEGM	1045 Carbon Steel Equivalent	600 N/mm <sup>2</sup> or More
KEDSM KESSM KEGSM	316 Stainless Steel	600 N/mm <sup>2</sup> or More

Part Number	L 5mm Increment	H Tolerance	M (Coarse)	C	L	Tolerance
5	10-50	0 -0.030	M3	0.25-0.40	Min. -10	0 -0.15
6	10-60	0 -0.030				
7	15-60	0 -0.036	M4	0.40-0.60	11-15	0 -0.18
8	15-80	0 -0.036				
10	15-80	0 -0.090	M5	0.40-0.60	16-30	0 -0.21
12	20-80	0 -0.090				
14	30-90	0 -0.090	M6	0.40-0.60	31-50	0 -0.25
15	30-90	0 -0.090				
16	40-100	0 -0.110	M6	0.40-0.60	51-80	0 -0.30
18	40-110	0 -0.110				

**Parallel Keys - Tapped and Counterbored Holes**

**KEDW**  
**KEDSW** Stainless Steel

**KESW**  
**KESWS** Stainless Steel

**KEGW**  
**KEGWS** Stainless Steel

Counterbored Hole Pitch=L-(b×2)

Type	Material	Tensile Strength
KEDW KESW KEGW	1045 Carbon Steel Equivalent	600 N/mm <sup>2</sup> or More
KEDSW KESSW KEGSW	316 Stainless Steel	600 N/mm <sup>2</sup> or More

Part Number	L 5mm Inc.	H Tolerance	d	d <sub>1</sub>	h	b	M (Coarse)	C	L	Tolerance
8	35-80	0 -0.036	3.4	6	3.5	8	M3	0.25-0.40	35-50	0 -0.25
10	45-80	0 -0.036	4.5	7.5	4.5	10	M4		51-80	0 -0.30
12	50-80	0 -0.090	5.5	9.5	5.5	12	M5	0.40-0.60	81-110	0 -0.35
14	50-90	0 -0.090				14				
15	50-90	0 -0.090	6.6	11	6.5	15	M6			
16	60-100	0 -0.110				16				
18	60-110	0 -0.110				18				

Part Number Example: **KEDW12 - 80**  
**KEDM5 - 30**

Part Number Alterations: **KEDW8 - LC36**  
**KEDM5 - 30 - MPC8**

Alterations	Code	Spec.
Full Length	<b>LC</b>	Cuts L dimension within the standard L dimension range. LC=1 mm Increment
Tap Position Change	<b>MPC</b>	Changes the tapped hole position. MPC=1 mm Increment With Tapped Hole M≤MPC≤L-M