

Circular Posts

One End Threaded One End Tapped, Wrench Flats

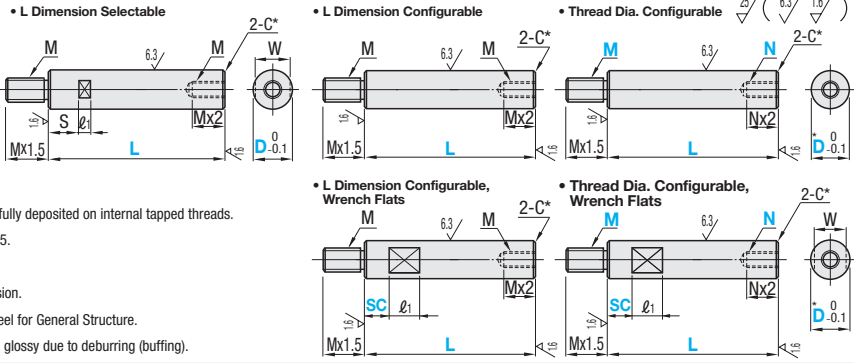
For products uncovered by the e-Catalog Standard, see P.131.

For this product, L dim. can be configured in 0.1mm increments by specifying LKC Alteration.

One End Threaded One End Tapped



L Dimension Selectable	Type				Material	Surface Treatment	* C0.2-0.5 at the corner
	Standard	Wrench Flats	Thread Dia. Configurable	Thread Dia. Configurable, Wrench Flats			
-	NETGRF	NETGRS	NETG	NETGS	Steel for General Structure	Black Oxide	-
ETKGR	ETKGRF	ETKGRS	ETKG	ETKGS			
PETGR	PETGRF	PETGRS	PETG	PETGS			
-	BETGRF	BETGRS	BETG	BETGS			
SETGR	SETGRF	SETGRS	SETG	SETGS	SUS304	-	-



- Trivalent Chromate (Black) may not always be fully deposited on internal tapped threads.
- D tolerance of trivalent chromate (black) is ±0.05.
- SC ≤ L - 21
- Tapping may cause slight swelling of D dimension.
- Anti-rust Oil is applied on products made of Steel for General Structure.
- The area around the wrench flats may become glossy due to deburring (buffing).

L Dimension Selectable

Part Number	Type	D	L Selection																	M (Coarse)	S	W	ℓ1			
			6	8	10	12	15	20	25	30	35	40	45	50	60	70	80	90	100					110	120	130
Steel for General Structure	ETKGR	6	15	20	25	30	35	40	45	50													3	3.5	5	8
	PETGR	8	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200						
	ETKGRF	10	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200						
	PETGRF	12	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200							
SUS304	SETGR	15	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	8	10	13	10				
	SETGRF	20	40	45	50	60	70	80	90	100	110	120	130	140	150	200	10	15	17							

L Dimension Configurable / L Dimension Configurable, Wrench Flats

Part Number	Type	D	L		SC	M (Coarse)	W	ℓ1
			0.5mm Increment	1mm Increment For Wrench Flats Type only				
L Dimension Configurable	Steel for General Structure	5	15-100	0-92	2.6	4	8	
	Steel for General Structure	6	15-100	0-92	3	5		
	Steel for General Structure	8	20-200	0-192	4	7		
	Steel for General Structure	10	20-400	0-392	5	8		
	Steel for General Structure	12	25-500	0-490	6	10		
	Steel for General Structure	15	30-600	0-590	8	13		
	Steel for General Structure	20	35-600	0-590	10	17		
	Steel for General Structure	25	45-700	0-690	12	22		
	Steel for General Structure	30	55-800	0-785	16	27		
	Steel for General Structure	35	55-900	0-885	16	30		
SUS304	Steel for General Structure	40	65-1000	0-980	20	36	15	
	Steel for General Structure	40	65-1000	0-980	20	36		
	Steel for General Structure	50	80-1000	0-980	24	41		
	Steel for General Structure	50	80-1000	0-980	24	41		

* D ≥ 35 is applicable only to N□□□□, E□□□□ and P□□□□.

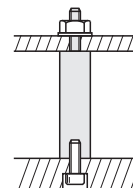
Thread Dia. Configurable / Thread Dia. Configurable, Wrench Flats

Part Number	Type	D	L	SC	M (Coarse) Selection				N (Coarse) Selection				W	ℓ1			
					0.5mm Increment	1mm Increment For Wrench Flats Type only	2.6	3	4	5	3	4			5	6	
Thread Dia. Configurable	Thread Dia. Configurable, Wrench Flats	5	15-100	0-92	2.6	3	4	5	2.6	3	4	5	8				
	Steel for General Structure	6	15-100	0-92	3	4	5	6	3	4	5	6					
	Steel for General Structure	8	20-200	0-192	3	4	5	6	8	3	4	5		6			
	Steel for General Structure	10	20-400	0-392	3	4	5	6	8	3	4	5		6			
Steel for General Structure	Steel for General Structure	12	25-500	0-490	4	5	6	8	10	12	4	5	6	8	10		
	Steel for General Structure	15	30-600	0-590	5	6	8	10	12	16	5	6	8	10			
	Steel for General Structure	20	40-600	0-590	5	6	8	10	12	16	20	5	6	8		10	
	Steel for General Structure	25	55-700	0-690	5	6	8	10	12	16	20	5	6	8		10	
	Steel for General Structure	30	65-800	0-785	5	6	8	10	12	16	20	24	5	6		8	10
	Steel for General Structure	35	80-900	0-885	6	8	10	12	16	20	24	6	8	10		12	
	Steel for General Structure	40	80-1000	0-980	8	10	12	16	20	24	8	10	12	16			
	Steel for General Structure	50	80-1000	0-980	10	12	16	20	24	10	12	16	20				
	SUS304	Steel for General Structure	50	80-1000	0-980	10	12	16	20	24	10	12	16	20		20	
	SUS304	Steel for General Structure	50	80-1000	0-980	10	12	16	20	24	10	12	16	20		20	

* D ≥ 35 is applicable only to N□□□□, E□□□□ and P□□□□. * When L-SC ≤ Nx3, W-N ≥ 2 is required. * L ≥ Nx3 + 2

L Dimension Tolerance	
L15-300	±0.1
L300.5-600	±0.3
L600.5-1000	±0.4

Ordering Example	Part Number	L	SC	M	N
ETKGR10	-	150	-	-	-
ETKGRF6	-	32	-	-	-
ETKG12	-	250	-	M6	N8
ETKGS20	-	400	SC100	M8	N10



L Dimension Selectable

Part Number	Type	D	Unit Price			
			Min. L - 50	L60-100	L110-150	L200
Steel for General Structure	6	6	-	-	-	-
	8	8	-	-	-	-
	10	10	-	-	-	-
	12	12	-	-	-	-
	15	15	-	-	-	-
Black Oxide	ETKGR	20	-	-	-	-

L Dimension Configurable / L Dimension Configurable, Wrench Flats

Part Number	Type	D	Unit Price			
			Min. L - 200	L200.5-400	L400.5-600	L600.5-1000
Steel for General Structure	5	5	-	-	-	-
	6	6	-	-	-	-
	8	8	-	-	-	-
	10	10	-	-	-	-
	12	12	-	-	-	-
	15	15	-	-	-	-
	20	20	-	-	-	-
	25	25	-	-	-	-
	30	30	-	-	-	-
	35	35	-	-	-	-
40	40	-	-	-	-	
50	50	-	-	-	-	

*For Wrench Flats Type, add the relevant surcharge to the price list on the right.

Part Number	Type	D	Unit Price			
			Min. L - 200	L200.5-400	L400.5-600	L600.5-1000
Steel for General Structure	5	5	-	-	-	-
	6	6	-	-	-	-
	8	8	-	-	-	-
	10	10	-	-	-	-
	12	12	-	-	-	-
	15	15	-	-	-	-
	20	20	-	-	-	-
	25	25	-	-	-	-
	30	30	-	-	-	-
	35	35	-	-	-	-
40	40	-	-	-	-	
50	50	-	-	-	-	

Thread Dia. Configurable / Thread Dia. Configurable, Wrench Flats

Part Number	Type	D	Unit Price			
			Min. L - 200	L200.5-400	L400.5-600	L600.5-1000
Steel for General Structure	5	5	-	-	-	-
	6	6	-	-	-	-
	8	8	-	-	-	-
	10	10	-	-	-	-
	12	12	-	-	-	-
	15	15	-	-	-	-
	20	20	-	-	-	-
	25	25	-	-	-	-
	30	30	-	-	-	-
	35	35	-	-	-	-
40	40	-	-	-	-	
50	50	-	-	-	-	

*For Wrench Flats Type, add the relevant surcharge to the price list on the right.

Part Number	Type	D	Unit Price			
			Min. L - 200	L200.5-400	L400.5-600	L600.5-1000
Steel for General Structure	5	5	-	-	-	-
	6	6	-	-	-	-
	8	8	-	-	-	-
	10	10	-	-	-	-
	12	12	-	-	-	-
	15	15	-	-	-	-
	20	20	-	-	-	-
	25	25	-	-	-	-
	30	30	-	-	-	-
	35	35	-	-	-	-
40	40	-	-	-	-	
50	50	-	-	-	-	

*For Wrench Flats Type, add the relevant surcharge to the price list on the right.

Alterations	Part Number	L	SC	M	N	(LKC, MLC, HL)
	ETKGRF10	-	150	-	-	- MLC7.0
	ETKG12	-	250.3	-	M6 - N8	- LKC
	ETKGS20	-	400	SC100	M8 - N10	- LKC - HL10

Alterations	L Dimension Tolerance	Effective Tapped Length	Threaded Length	Through Hole for Hex Wrench
	LKC	MD (Mx3)	MLC	HL
Code	LKC	MD ND	MLC	HL
Spec.	L Dimension tolerances are as follows: [Ordering Code] LKC By specifying LKC, L dim. can be configured in 0.1mm increment. L Tolerance 8-300 ±0.05 300.5-600 ±0.10 600.5-1000 ±0.15 *Not Applicable to L Dimension Selectable Type.	Changes the Effective Tapped Length to "M (N) x 3." [Ordering Code] MD3/ND3 (M is changed to MD, or N is changed to ND.) *Not Applicable to L Dimension Selectable Type.	Changes the threaded length. *Not applicable to D=5. *Not Applicable to L Dimension Selectable Type. MLC = 0.1mm Increment *Mx1=MLC-Mx1.5 [Ordering Code] MLC10	HL = 1mm Increment [Ordering Code] HL10 *d/2+5=HL-L (d/2+5) *Applicable to 8:D≤30 only D d Hex Wrench Width D d Hex Wrench Width 8 2.5 2 20 5.8 5 10 3 2.5 25 6.9 6 12 3.5 3 30 9.2 8 15 4.6 4 *When HL is combined with SC, a through hole is machined in perpendicular to SC part. *Not Applicable to L Dimension Selectable Type.