



Circular Posts

One End Threaded / One End Tapped / With Wrench Flats

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RoHS 10

L Dimension Selectable	Type				Material	Surface Treatment
	L Dimension Configurable					
	Standard	Wrench Flats	Thread Dia. Configurable	Thread Dia. Configurable, Wrench Flats		
—	NETGRF	NETGRS	NETG	NETGS	1018 Carbon Steel or Equivalent	—
ETKGR	ETKGRF	ETKGRS	ETKG	ETKGS		Black Oxide
PETGR	PETGRF	PETGRS	PETG	PETGS		Electroless Nickel Plating
—	BETGRF	BETGRS	BETG	BETGS	304 Stainless Steel	Trivalent Chromate (Black)
SETGR	SETGRF	SETGRS	SETG	SETGS		—

L Dimension Selectable

L Dimension Configurable

Thread Dia. Configurable

L Dimension Configurable, Wrench Flats

Thread Dia. Configurable, Wrench Flats

Ⓢ Trivalent Chromate (Black) may not always be fully deposited on internal tapped threads.
 *D tolerance of trivalent chromate (black) is ±0.05.
 Ⓢ SC=L-ℓ₁
 Ⓢ Tapping may cause slight swelling of D dimension.
 Ⓢ Anti-rust Oil is applied on 1018 Carbon Steel or Equivalent products.
 Ⓢ The area around the wrench flats may become glossy due to deburring (buffing).

L Dimension Selectable

Part Number	Type	D	L																	M (Coarse)	S	W	ℓ ₁	
			15	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140					150
1018 Carbon Steel or Equivalent ETKGR PETGR	6	6	15	20	25	30	35	40	45	50											3	3.5	5	8
	8	8	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	4	6	7		
	10	10	20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	5	6	8	
304 Stainless Steel SETGR	15	15	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	6	7.5	10	10		
	20	20	40	45	50	60	70	80	90	100	110	120	130	140	150	200	8	10	13					
	25	25	40	45	50	60	70	80	90	100	110	120	130	140	150	200	10	15	17					

L Dimension Configurable / L Dimension Configurable with Wrench Flats

Part Number	Type	D	L		M (Coarse)	W	ℓ ₁
			0.1 mm Increment (0.5 mm for D=5,35,40 and 50)	0.5 mm Increment Wrench Flats Only			
1018 Carbon Steel or Equivalent NETGRF ETKGRF PETGRF BETGRF	L Dimension Configurable, Wrench Flats	5	15.0-100.0	0-92.0	2.6	4	8
		6	15.0-290.0	0-282.0	3	5	
		8	20.0-390.0	0-382.0	4	7	
		10	20.0-580.0	0-572.0	5	8	
		12	25.0-680.0	0-670.0	6	10	
304 Stainless Steel SETGRF	304 Stainless Steel	15	30.0-780.0	0-770.0	8	13	10
		20	35.0-770.0	0-760.0	10	17	
		25	45.0-870.0	0-860.0	12	22	
		30	55.0-960.0	0-945.0	16	27	
		*35	55.0-900.0	0-885.0	16	30	
		*40	65.0-1000.0	0-980.0	20	36	20
		*50	80.0-1000.0	0-980.0	24	41	20

Ⓢ *D≥35 is applicable only to N____, E____, P____

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Thread Diameter Configurable / Thread Diameter Configurable, Wrench Flats

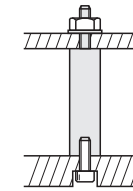
Part Number	Type	D	L		SC	Male Thread M (Coarse) Selection	Female Thread N (Coarse) Selection	W	ℓ ₁
			0.1 mm Increment (0.5 mm for D=5,35,40 and 50)	0.5 mm Increment Wrench Flats Only					
Thread Dia. Configurable	Thread Dia. Configurable, Wrench Flats	5	15.0-100.0	0-92.0	2.6	3 4	2.6 3	4	8
		6	15.0-290.0	0-282.0	3	4 5	3 4	5	
		8	20.0-390.0	0-382.0	3	4 5 6	3 4 5	7	
		10	20.0-580.0	0-572.0	3	4 5 6 8	3 4 5 6	8	
		12	25.0-680.0	0-670.0	4	5 6 8	4 5 6 8	10	
1018 Carbon Steel or Equivalent NETG ETKG PETG BETG	1018 Carbon Steel or Equivalent NETGS ETKGS PETGS BETGS	15	30.0-780.0	0-770.0	5	6 8 10 12	5 6 8 10	13	10
		20	40.0-770.0	0-760.0	5	6 8 10 12 16	5 6 8 10 12	17	
		25	55.0-870.0	0-860.0	5	6 8 10 12 16 20	5 6 8 10 12 16	22	
		30	65.0-960.0	0-945.0	5	6 8 10 12 16 20 24	5 6 8 10 12 16 20	27	
		*35	80.0-900.0	0-885.0	6	8 10 12 16 20 24	6 8 10 12 16 20 24	30	
304 Stainless Steel SETG	304 Stainless Steel SETGS	*40	80.0-1000.0	0-980.0	8	10 12 16 20 24	8 10 12 16 20 24	36	20
		*50	80.0-1000.0	0-980.0	10	12 16 20 24	10 12 16 20 24	41	

Ⓢ *D≥35 is applicable only to N____, E____, P____ Ⓢ When L - SC ≤ N x 3, W - N ≥ 2 is required. Ⓢ L ≥ N x 3 + 2

L dim. tolerance IS normally The.
 L15-300 ±0.1
 L300.5-600 ±0.3
 L600.5-1000 ±0.4



Part Number Example
 ETKGR10 - 150
 ETKGRF6 - 32
 ETKG12 - 250 - M6 - N8
 ETKGS20 - 400 - SC100 - M8 - N10



Part Number Alterations
 ETKGRF10 - 150 - MLC7.0
 ETKG12 - 250 - M6 - N8 - LKC
 ETKGS20 - 400 - SC100 - M8 - N10 - LKC-HL10

Ⓢ Applicable to L Dimension Configurable only.

Alterations	Code	Spec.																														
L Dimension Tolerance	LKC	L Dimension tolerances are as follows. Ordering Code: LKC With LKC, Length L can be specified in 0.1 mm increment. <table border="1"> <tr> <th>L</th> <th>L Tolerance</th> </tr> <tr> <td>15-300</td> <td>±0.05</td> </tr> <tr> <td>300.5-600</td> <td>±0.10</td> </tr> <tr> <td>600.5-1000</td> <td>±0.15</td> </tr> </table>	L	L Tolerance	15-300	±0.05	300.5-600	±0.10	600.5-1000	±0.15																						
L	L Tolerance																															
15-300	±0.05																															
300.5-600	±0.10																															
600.5-1000	±0.15																															
Through Hole for Hexagonal Wrench	HL	HL= 1mm Increment Ⓢ d/2+5≤HL≤L-(d/2+5) Ⓢ Applicable to 8≤D≤30 only Ordering Code: HL10 <table border="1"> <tr> <th>D</th> <th>d</th> <th>Hex Wrench Width</th> <th>D</th> <th>d</th> <th>Hex Wrench Width</th> </tr> <tr> <td>8</td> <td>2.5</td> <td>2</td> <td>20</td> <td>5.8</td> <td>5</td> </tr> <tr> <td>10</td> <td>3</td> <td>2.5</td> <td>25</td> <td>6.9</td> <td>6</td> </tr> <tr> <td>12</td> <td>3.5</td> <td>3</td> <td>30</td> <td>9.2</td> <td>8</td> </tr> <tr> <td>15</td> <td>4.6</td> <td>4</td> <td></td> <td></td> <td></td> </tr> </table>	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			
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																														

Alterations	Code	Spec.
Threaded Length	MLC	Changes the Threaded length. Ⓢ Not applicable to D=5. MLC=0.1 mm Increment Ⓢ Mx1≤MLC<Mx1.5 Ordering Code: MLC10 Ⓢ Not available for L Dimension Selectable Type.
Full Length (L Dimension) Precision	LVC	When ordering multiple, each L dimension variation will be within ±0.02mm Ordering Code: LVC Ⓢ Applicable only for L≤200 and less than 20 orders for 1 itemized line. Ⓢ Not available for L Dimension Selectable Type.
Change Depth of Tap	ND	Change the effective length of the tapped thread portion to M x 3. Ordering Code: ND6 (Change N to ND) Ⓢ NDx4+2≤L Ⓢ Applicable only for L Dimension, Thread Dia. Configurable type. Ⓢ Not available for N2.6.