

Circular Posts

Both Ends Tapped, Wrench Flats

Both Ends 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			
-	NETRF	NETRS	NETF	NETS	NETS	*EN 1.0038 Equiv.	Black Oxide Electroless Nickel Plating Trivalent Chromate (Black)	
ETKR	ETKRF	ETKRS	ETKF	ETKS	ETKS			
PETR	PETRF	PETRS	PETF	PETS	PETS	EN 1.4301 Equiv.	Clear Anodize	
-	BETRF	BETRS	-	BETS	BETS			
SETR	SETRF	SETRS	SETF	SETS	SETS	EN AW-2017 Equiv.		
-	AETRF	AETRS	AETF	AETTS	AETTS			

*For L dimension selectable products, steel for general structure is used.

• 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 .
- $L \geq M \times 2 + N \times 2$
- Tapping may cause slight swelling of D dimension.
- For steel for general structure/EN 1.0038 Equiv., anti-rust oil is provided.
- $SC \leq L - \ell_1$
- The area around the wrench flats may become glossy due to polishing.

L Dimension Selectable

Part Number		L																		M	S	W	ℓ ₁	
Type	D	Selection																		(Coarse)				
General Structural Steel	6	15	20	25	30	35	40	45	50											3	3.5	5	8	
	8		20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	4	6	7		
	ETKR		20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	5	6	8		
	PETR		20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	6	7.5		10
EN 1.4301 Equiv.	12			25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	6	7.5	10	10
	15				35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	8	10	13		
	SETR					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		D	L	SC	M	W	ℓ_1
Type			0.5mm Increment	1 mm Increment With Wrench Flats Only	(Coarse)		
L Dimension Configurable	EN 1.0038 Equiv.	*1 5	8-50	0-42	2.6	4	8
		6	8-50	0-42	3	5	
		8	10-150	0-142	4	7	
		10	15-350	0-342	5	8	
		12	25-400	0-390	6	10	
		15	25-500	0-490	8	13	
EN 1.4301 Equiv.	EN 1.4301 Equiv.	20	30-500	0-490	10	17	10
		25	40-600	0-590	12	22	
		30	50-700	0-685	16	27	
EN AW-2017 Equiv.	EN AW-2017 Equiv.	*2 35	50-800	0-785	16	30	15
		*2 40	60-900	0-880	20	36	
		*2 50	75-1000	0-980	24	41	

- *1. D=5 is not available for EN AW-2017 Equiv. material. When $L \leq M \times 4$, tapped hole goes through. When $L \leq (M \times 2 + 5) + (N \times 2 + 5)$, the pilot hole may go through.
- *2. D $\geq$ 35 is applicable only to N, E and P.

Thread Diameter Configurable / Thread Diameter Configurable, Wrench Flats

Part Number		D	L	SC	M / N	W	ℓ_1
Type			0.5mm Increment	1 mm Increment With Wrench Flats Only	(Coarse) Selection		
Thread Dia. Configurable	EN 1.0038 Equiv.	*1 5	15-50	0-42	2.6 3	4	8
		6	15-50	0-42	3 4	5	
		8	15-150	0-142	3 4 5	7	
		10	20-350	0-342	4 5 6	8	
		12	25-400	0-390	5 6 8	10	
		15	30-500	0-490	6 8 10	13	
EN 1.4301 Equiv.	EN 1.4301 Equiv.	20	40-500	0-490	6 8 10 12	17	10
		25	50-600	0-590	6 8 10 12 16	22	
		30	60-700	0-685	6 8 10 12 16 20	27	
EN AW-2017 Equiv.	EN AW-2017 Equiv.	*2 35	75-800	0-785	8 10 12 16 20 24	30	15
		*2 40	75-900	0-880	10 12 16 20 24	36	
		*2 50	75-1000	0-980	12 16 20 24	41	

- *1. D=5 is not available for EN AW-2017 Equiv. material. When $L \geq M \times 2 + N \times 2$, the pilot hole goes through. When $SC \leq M \times 3$, $W - M \geq 2$ is needed. When $L - SC \leq N \times 3$, $W - N \geq 2$ is needed.
- *2. D $\geq$ 35 is applicable only to N, E and P.

L Dimension Tolerance	However, when L $\leq$ 200, and when order volume at one time is less than 10 pcs., since the processing is done simultaneously, the difference of L dimension is within ± 0.02 .
L 8~ 300	± 0.1
L300.5~ 600	± 0.3
L600.5~1000	± 0.4

Ordering Example	Part Number	L	SC	M	N
ETKR10	- 150				
ETKRF10	- 150				
ETKRF20	- 400				
SETS25	- 500				

L Dimension Selectable

Part Number		Unit Price				
Type	D	Min. L ~ 50	L60~100	L110~150	L200	
General Structural Steel	6					
	8					
	10					
	12					
	15					

L Dimension Configurable / L Dimension Configurable, Wrench Flats

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.0038 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					

Thread Diameter Configurable / Thread Diameter Configurable, Wrench Flats

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.0038 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					

Alterations	Code	Spec.
L Dimension Tolerance	LKC	L Dimension tolerances are as follows: Ordering Code LKC

Alterations	Code	Spec.
Through Hole for Hex Wrench	HL	HL=1mm Increment d/2+5 $\leq$ HL $\leq$ -(d/2+5) Applicable to 8 $\leq$ D $\leq$ 30 only Ordering Code HL10 Not Applicable to L Dimension Selectable

Part Number		Unit Price				
Type	D	Min. L ~ 50	L60~100	L110~150	L200	
EN 1.4301 Equiv.	6					
	8					
	10					
	12					
	15					

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.0038 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.0038 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					

