

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		*EN 1.0038 Equiv.	Black Oxide Electroless Nickel Plating Trivalent Chromate (Black)	
ETKR	ETKRF	ETKRS	ETKF	ETKS				
PETR	PETRF	PETRS	PETF	PETS		EN 1.4301 Equiv.	Clear Anodize	
-	BETRF	BETRS	-	BETS				
SETR	SETRF	SETRS	SETF	SETS		EN AW-2017 Equiv.		
-	AETRF	AETRS	AETF	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.
- $SC \leq L - \ell_1$
- Wrench flats vicinity with no surface treatment may become glossy due to barrel grinding.

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	200	5	6	8		
	PETR																				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	8	10		13
	15					35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	8	10	13		
	SETR	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		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 $L \leq M \times 2$, 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 $L \leq M \times 2$, 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□□□□□.

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	
L 300.5~600 ± 0.3	
L 600.5~1000 ± 0.4	

Ordering Example	Part Number	L	SC	M	N
ETKR10	- 150				
ETKRF10	- 150				
ETKRF20	- 400				
SETTS25	- 500	- SC100	- M10	- N12	

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				
ETKR	20				

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					
EN 1.0038 Equiv. Black Oxide	40					
	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
ETKRF	35					
ETKRS	40					

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					
EN 1.0038 Equiv. Black Oxide	40					
	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
ETKF	35					
ETKS	40					

Part Number		Unit Price			
Type	D	Min. L ~ 50	L60~100	L110~150	L200
General Structural Steel	6				
	8				
	10				
	12				
	15				
PETR	20				

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. Electroless Nickel Plating	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					
EN 1.0038 Equiv. Trivalent Chromate	40					
	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					

Part Number		Unit Price			
Type	D	Min. L ~ 50	L60~100	L110~150	L200
EN 1.4301 Equiv.	6				
	8				
	10				
	12				
	15				
SETR	20				

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.4301 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					
EN AW-2017 Equiv. Clear Anodize	40					
	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					

Part Number		Unit Price				
Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
EN 1.4301 Equiv.	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					
	35					
EN AW-2017 Equiv. Clear Anodize	40					
	5					
	6					
	8					
	10					
	12					
	15					
	20					
	25					
	30					

Alterations	Part Number	L	SC	M	N	(LKC, HL)
ETKR10	- 150					LKC
ETKRF10	- 400					LKC
SETTS25	- 600	- SC100	- M10	- N12		HL300

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