

Circular Posts

Both Ends Tapped, Wrench Flats

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

Both Ends Tapped



L		Type				Material	Surface Treatment	*C0.2~0.5 at the corner
		L Dimension Configurable						
Dimension Selectable		Standard	Wrench Flats	Thread Dia. Configurable	Thread Dia. Configurable, Wrench Flats			
		NETRF	NETRS	NETF	NETS	Steel for General Structure	-	
ETKR		ETKRF	ETKRS	ETKF	ETKS		Black Oxide	
PETR		PETRF	PETRS	PETF	PETS	SUS304	Electroless Nickel Plating	
		BETRF	BETRS	-	BETS		Trivalent Chromate (Black)	
SETR		SETRF	SETRS	SETF	SETS	A2017	-	
		AETRF	AETRS	AETTF	AETTS		Clear Anodize	

• L Dimension Selectable

• L Dimension Configurable

• Thread Dia. Configurable

• L Dimension Configurable, Wrench Flats

• Thread Dia. Configurable, Wrench Flats

fully deposited on internal tapped threads.

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steel for General Structure.

nt may become glossy due to barrel grinding.

- 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.
- Anti-rust Oil is applied on products made of Steel for General Structure.
- $SC \leq L - L_1$
- Wrench flats vicinity with no surface treatment may become glossy due to barrel grinding.

L Dimension Selectable

Part Number																						M	S	W	ℓ ₁
Type	D	L Selection																				(Coarse)			
Steel for General Structure	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		
	10		20	25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	5	6	8		
	12			25	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	6	7.5	10		
SUS304	15					35	40	45	50	60	70	80	90	100	110	120	130	140	150	200	8	10	13	10	
	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	W	L ₁
L Dimension Configurable			0.5mm Increment	1 mm Increment	(Coarse)		
Steel for General Structure		*1 5	8~100	0~92	2.6	4	8
		6	8~100	0~92	3	5	8
		8	10~200	0~192	4	7	8
		10	15~400	0~392	5	8	10
		12	25~500	0~490	6	10	10
		15	25~600	0~590	8	13	10
		20	30~600	0~590	10	17	10
		25	40~700	0~690	12	22	15
		30	50~800	0~785	16	27	15
		*2 35	50~900	0~885	16	30	15
		*2 40	60~1000	0~980	20	36	20
		*2 50	75~1000	0~980	24	41	20

- *1. D=5 is not available for A2017 material.
- *2. D ≥ 35 is applicable only to N10000, E10000 and P10000.
- When L $\leq M \times 4$, the tapped hole goes through.
- When L $\leq (M \times 2 + 5) + (N \times 2 + 5)$, the tapped pilot hole may go through.
- When SC $\leq M \times 3$, W-M ≥ 2 is needed. When L-SC $\leq N \times 3$, W-N ≥ 2 is needed.

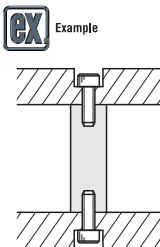
Thread Dia. Configurable / Thread Dia. Configurable, Wrench Flats

Part Number	Type	D	L	SC	M / N	W	L ₁
Thread Dia. Configurable			0.5mm Increment	1 mm Increment	(Coarse) Selection		
Steel for General Structure		*1 5	15~100	0~92	2.6 3	4	8
		6	15~100	0~92	3 4	5	8
		8	15~200	0~192	3 4 5	7	8
		10	20~400	0~392	3 4 5 6	8	10
		12	25~500	0~490	4 5 6 8	10	10
		15	30~600	0~590	5 6 8 10	13	10
		20	40~600	0~590	5 6 8 10 12	17	15
		25	50~700	0~690	5 6 8 10 12 16	22	15
		30	60~800	0~785	5 6 8 10 12 16 20	27	20
		*2 35	75~900	0~885	6 8 10 12 16 20 24	30	20
		*2 40	75~1000	0~980	8 10 12 16 20 24	36	20
		*2 50	75~1000	0~980	10 12 16 20 24	41	20

- *1. D=5 is not available for A2017 material.
- *2. D ≥ 35 is applicable only to N10000, E10000 and P10000.
- When L $\geq M \times 2 + N \times 2$
- When SC $\leq M \times 3$, W-M ≥ 2 is needed. When L-SC $\leq N \times 3$, W-N ≥ 2 is needed.

L Dimension Tolerance	
L8~300	± 0.1
L300.5~600	± 0.3
L600.5~800	± 0.4

Ordering Example	Part Number	- L	- SC	- M	- N
	ETKR10	- 150			
	ETKRF10	- 150			
	ETKF20	- 400		M8	N10
	SET25	- 500	- SC100	M10	N12



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

L Dimension Selectable

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

Part Number	Type	D	Min. L ~ 50	L60~100	L110~150	L200
Steel for General Structure	PETR	6				
		8				
		10				
		12				
Electroless Nickel Plating		15				
		20				

Part Number	Type	D	Min. L ~ 50	L60~100	L110~150	L200
SUS304	SETR	6				
		8				
		10				
		12				
Clear Anodize		15				
		20				

L Dimension Configurable / L Dimension Configurable, Wrench Flats

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
Steel for General Structure	NETRF	5					
		6					
		8					
		10					
Electroless Nickel Plating	PETRF	12					
		15					
		20					
		25					
Trivalent Chromate	BETRF	30					
		35					
		40					
		50					

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
Steel for General Structure	NETRS	5					
		6					
		8					
		10					
Electroless Nickel Plating	PETRS	12					
		15					
		20					
		25					
Trivalent Chromate	BETRS	30					
		35					
		40					
		50					

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
SUS304	SETRF	5					
		6					
		8					
		10					
Clear Anodize	AETRF	12					
		15					
		20					
		25					
Trivalent Chromate	AETRS	30					
		35					
		40					
		50					

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

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
Steel for General Structure	NETF	5					
		6					
		8					
		10					
Electroless Nickel Plating	PETF	12					
		15					
		20					
		25					
Trivalent Chromate	BETF	30					
		35					
		40					
		50					

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
Steel for General Structure	NETS	5					
		6					
		8					
		10					
Electroless Nickel Plating	PETS	12					
		15					
		20					
		25					
Trivalent Chromate	BETS	30					
		35					
		40					
		50					

Part Number	Type	D	Min. L ~ 200	L200.5~400	L400.5~600	L600.5~800	L800.5~1000
SUS304	SETF	5					
		6					
		8					
		10					
Clear Anodize	AETTF	12					
		15					
		20					
		25					
Trivalent Chromate	AETTS	30					
		35					
		40					
		50					

Alterations	Part Number	- L	- SC	- M	- N	- (LKC, HL)
	ETKRF10	- 150.3				LKC
	ETKF20	- 400		M8	N10	LKC
	SET25	- 500	- SC100	M10	N12	HL300

Alterations	L Dimension Tolerance	Effective Tapped Length	Through Hole for Hex Wrench
Code	LKC	MD ND	HL
Spec.	L Dimension tolerances are as follows: [Ordering Code] LKC By specifying LKC, L dim. can be configured in 0.1mm increment. L 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] MD6/ND6 (M is changed to MD, or N is changed to ND.) *Not Applicable to L Dimension Selectable Type.	HL = 1mm Increment [Ordering Code] HL10 *d/