

Locating Pins for Fixtures - Standard Grade, Long Head



Locating Pins for Fixtures - Standard Grade, Screw Mounted



■Features: Height direction locating is possible by using together with Height Adjusting Washer (listed on our website). Polishing Relief Groove is smaller than the conventional products to avoid a workpiece getting stuck.

Shouldered

RoHS10

Type	Threaded	Set Screw	M Material	H Hardness	Type	Threaded	Set Screw	M Material	H Hardness	S Surface Treatment	Surface Finish Relief
LANAR	LATAR	EN 1.7220 Equiv.	Treated Hardness 35~40HRC	R-ANAR	R-ATAR	EN 1.7220 Equiv.	35~40HRC (Surface 750HV ~)	Hard Chrome Plating			
TLANAR	TLATAR	EN 1.7242 Equiv.	Carburized Treated Hardness: 55HRC ~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Threads								

Reference: $\sin 15^\circ = 0.259$
 $\tan 15^\circ = 0.267$

6.3 / (3.2 / 1.6 / 1.5 / 1.6 / 6)

• Threaded

• Set Screw

With Surface Treatment, 1.5 changes to 1.6 /

RoHS10

Part Number			P 0.1mm Increment	B 1mm Increment	L Selection	ℓ	L1	ℓ1	H	d	R	Applicable Set Screw	Unit Price						
Type	Dh7	LANAR											TLANAR	R-ANAR					
Hardened (Threaded) LANAR	Carburized (Threaded)	Hard Chrome (Threaded)	6	0.012	5.0~7.0	20~30	5	8	10	6	8	8	9	4	1	M5			
			8	0	5.0~9.0	20~30	5	8	10	12	15	10	8	8	11	5	1.5	M5	
			10	-0.015	4.5~12.0	20~40	5	8	10	12	15	12	10	8	13	7	2	M6	
			10T		4.5~12.0	20~40	5	8	10	12	15	18	5	8	13	7	2	M6	
			12	0	9.0~13.0	30~50	8	10	12	15	18	15	12	10	15	9	3	M8	
(Set Screw) LATAR	(Set Screw) TLATAR	(Set Screw) R-ATAR	16	-0.018	13.0~16.0	30~50	10	12	15	18	20	18	12	10	19	13	4	M8	

No Shoulder

RoHS10

Type	Threaded	Set Screw	M Material	H Hardness	Type	Threaded	Set Screw	M Material	H Hardness	S Surface Treatment
LNNAR	LNTAR	EN 1.7220 Equiv.	Treated Hardness 35~40HRC	R-NNAR	R-NTAR	EN 1.7220 Equiv.	35~40HRC (Surface 750HV ~)	Hard Chrome Plating		
TLNNAR	TLNTAR	EN 1.7242 Equiv.	Carburized Treated Hardness: 55HRC ~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Threads							

Reference: $\sin 15^\circ = 0.259$
 $\tan 15^\circ = 0.267$

6.3 / (3.2 / 1.6 / 1.5 / 1.6 / 6)

• Threaded

• Set Screw

denoted locations for surface treated pins will be √.

RoHS10

Part Number		P		B		L		Unit Price			
Type	Dh7	0.1mm Increment	1mm Increment	Selection	ℓ	L1	ℓ1	d	R	Applicable Set Screw	LNNAR LNTAR TLNNAR TLNTAR R-NNAR R-NTAR
Hardened (Threaded) LNNAR	6	0.012	8.0~12.0	5 8 10	6	8	8	4	3	M5	
	8	0	10.0~16.0	5 8 10 12 15	10	8	8	5	4	M5	
	10	0	12.0~20.0	5 8 10 12 15	12	10	8	7	4	M6	
	10T	-0.015	12.0~20.0	5 8 10 12 15	15	5	8	7	5	M6	
	12	0	14.0~25.0	8 10 12 15 18	15	12	10	9	6	M8	
(Set Screw) LNTAR	16	-0.018	18.0~32.0	10 12 15 18 20	18	12	10	13	8	M8	
	20	-0.021	22.0~35.0	12 15 18 20	22	12	10	17	8	M8	

Ordering Example

Part Number - P - B - L

LNTAR 10 - P7.8 - B20

LNNAR 8 - P12.0 - B40 - L10

Alterations

Part Number - P - B - L - (KC, SC, MC, RTC)

LNTAR8 - P6.8 - B20 - SC

Wear Groove Alterations	Flat Machining	Wrench Flats	Thread Dia.	Upper Relief Radius Change	Tip Angle Change
Code MK	Code KD	Code SC	Code MC	Code RTC	Code RC
Spec. Drill 4 grooves at B Dimension. The wear and tear of the grooves indicate the degree of wear. Applicable to Hardening, Carburized and Round Shape Products only. When used together with RTC, the groove starts from the area of R value + 1 mm. Groove Depth: 0.2mm (±0.05mm) Groove Shape: V Groove (90°)	Ordering Code KD Changes the relief to the following radius R. Section 60°, 90°, 120°	Ordering Code SC Adds wrench flats. Changes the thread diameter. D/3: M<D Mmm3 Applicable to Threaded only.	Ordering Code MC Changes the thread diameter. D/3: M<D Mmm3 Applicable to Threaded only.	Ordering Code RTC Changes the relief to the following radius R. Section 60°, 90°, 120°	Ordering Code RC Changes the tip angle. Section 60°, 90°, 120°

Example

Long Workpiece

Interpose

■Features: Screw Mounted Pins. Polishing Relief Groove is smaller than the conventional products to avoid a workpiece getting stuck.

Shouldered

RoHS10

Type	Threaded	Set Screw	M Material	H Hardness	Type	Threaded	Set Screw	M Material	H Hardness	S Surface Treatment	Surface Finish Relief
ELABA	ELABD	EN 1.7220 Equiv.	Treated Hardness 35~40HRC	R-ELABA	R-ELABD	EN 1.7220 Equiv.	35~40HRC (Surface 750HV ~)	Hard Chrome Plating			
TELABA	TELABD	EN 1.7242 Equiv.	Carburized Treated Hardness: 55HRC ~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Tapped Part								

Reference: $\sin 15^\circ = 0.259$
 $\tan 15^\circ = 0.267$

6.3 / (3.2 / 1.6 / 1.5 / 1.6 / 6)

• Threaded

• Set Screw

With Surface Treatment, 1.5 changes to 1.6 /

RoHS10

Part Number		P		B		L		Unit Price			
Type	Dh7	0.1mm Increment	1mm Increment	Selection	ℓ	L1	ℓ1	H	d	R	Applicable Set Screw
Hardened (Round) ELABA	6	0.012	3.0~7.0	10~16	5	9	1	M3	1~2		
	8	0	3.0~9.0	12~20	6	11	1.5	M4	1~2		
	10	0	4.5~12.0	15~20	8	13	2	M5	1~3		
	10T	-0.015	4.5~12.0	18~20	8	13	2	M6	1~3		
	12	0	7.0~13.0	15~20	8	15	3	M5	4		
(Diamond) ELABD	16	-0.018	13.0~16.0	21~32	12	19	4	M8	5		
	20	-0.021	16.0~20.0	21~40	12	23	4	M8	5		

No Shoulder

RoHS10

Type	Threaded	Set Screw	M Material	H Hardness	Type	Threaded	Set Screw	M Material	H Hardness	S Surface Treatment
ELNBA	ELNBD	EN 1.7220 Equiv.	Treated Hardness 35~40HRC	R-ELNBA	R-ELNBD	EN 1.7220 Equiv.	35~40HRC (Surface 750HV ~)	Hard Chrome Plating		
TELNBA	TELNBD	EN 1.7242 Equiv.	Carburized Treated Hardness: 55HRC ~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Tapped Part							

Reference: $\sin 15^\circ = 0.259$
 $\tan 15^\circ = 0.267$

6.3 / (3.2 / 1.6 / 1.5 / 1.6 / 6)

• Threaded

• Set Screw

denoted locations for surface treated pins will be √.

RoHS10

Part Number		P		B		L		Unit Price			
Type	Dh7	0.1mm Increment	1mm Increment	Selection	ℓ	L1	ℓ1	d	R	Applicable Set Screw	ELNBA ELNBD TELNBA TELNBD
Hardened (Round) ELNBA	6	0.012	8.0~12.0	9~16	5	3	M3	3			
	8	0	10.0~16.0	9~20	6	4	M4	3.5			
	10	0	12.0~20.0	10~20	8	4	M5	4			
	10T	-0.015	12.0~20.0	10~24	8	5	M6	4			
	12	0	14.0~25.0	10~32	8	6	M5	6			
(Diamond) ELNBD	16	-0.018	18.0~32.0	10~40	12	8	M8	8			
	20	-0.021	22.0~35.0	10~40	12	8	M8	9			

Ordering Example

Part Number - P - B - L

ELABA 8 - P6.8 - B14.0 - L10

ELNBA 10 - P14.0 - B25.0 - L15

Alterations

Part Number - P - B - L - (KC, KD, SC, RTC)

ELABA10 - P7.0 - B14.0 - L12 - KD

Wear Groove Alterations	Flat Position	Flat Machining	Wrench Flats	Upper Relief Radius Change	Tip Angle Change
Code MK	Code KC	Code KD	Code SC	Code RTC	Code RC
Spec. Drill 4 grooves at B Dimension. The wear and tear of the grooves indicate the degree of wear. Applicable to Hardening, Carburized and Round Shape Products only. When used together with RTC, the groove starts from the area of R value + 1 mm. Groove Depth: 0.2mm (±0.05mm) Groove Shape: V Groove (90°)	Ordering Code KC Changes the flat position to 90° from the standard position 0°. Applicable to Diamond Shape Type only.	Ordering Code KD Changes the relief to the following radius R. Section 60°, 90°, 120°	Ordering Code SC Adds wrench flats. Changes the thread diameter. D/3: M<D Mmm3 Applicable to Threaded only.	Ordering Code RTC Changes the relief to the following radius R. Section 60°, 90°, 120°	Ordering Code RC Changes the tip angle. Section 60°, 90°, 120°

Example

Threaded Workpiece

Screw Mounted Type