

Locating Bolts

Round Head, Round Tip

Locating Bolts						Accessory (Nut 1 pc.)		Nut T Dimension		
	Round Head	Hex Socket Round Head	Material	Hardness*	Surface Treatment	Material	Surface Treatment	M	T (Coarse)	T ₁ (Fine)
Fine	STCB	-	EN 1.1191 Equiv.	45HRC~	Black Oxide	EN 1.0038 Equiv.	Bright Chromate Plating	4	3.2	4
	STCBM	STCCM			Electroless Nickel Plating		Trivalent Chromate	5	4	
	SSTCB	SSTCC	EN 1.4125 Equiv.	45HRC~	-	EN 1.4301 Equiv.	-	6	5	
	STBB	STBC	EN 1.1191 Equiv.	45HRC~	Black Oxide	EN 1.0038 Equiv.	Bright Chromate Plating (*)	8	6.5	5
Coarse	STBBM	STBCM			Electroless Nickel Plating		Trivalent Chromate	10	8	
	STBBS	-	EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-	12	10	6
	SSTBB	SSTBC	EN 1.4125 Equiv.	45HRC~	-		-	16	13	8

* Part numbers in are not RoHS compliant.
* Stainless Steel Hardened Type (EN 1.4125 Equiv.) may be discolored by hardening. (Right in the photo)
* Surface treatment for included nuts STBC is Trivalent Chromate.

* Hardness: Hardened Tip

Round Head																			
Part Number		L Selection										STCB, STBB		STCBM, STBBM		STBBS		SSTCB, SSTBB	
Type	M	STCB, STBB								STCBM, STBBM		STBBS		SSTCB, SSTBB					

Hex Socket Round Head											For orders larger than indicated quantity, please check with WOS					
Part Number		L Selection									STBC		STCCM, STBCM		SSTCC, SSTBC	
Type	M										Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
(Fine)	4	20	1 ~ 49 pc(s).	50 ~ 100 pcs.	1 ~ 49 pc(s).	50 ~ 100 pcs.	1 ~ 49 pc(s).	50 ~ 100 pcs.	1 ~ 49 pc(s).	50 ~ 100 pcs.						
	5	20														
(Coarse)	6	20 25 30 40 50														
	8	25 30 40 50 60														
	10	30 40 50 60 70														
	12	40 50 60 70 80														

Locating Bolts						Accessory (Nut 1 pc.)		Nut T Dimension		
	Round Tip	Material	Hardness*	Surface Treatment	Material	Surface Treatment		M	T (Coarse)	T ₁ (Fine)
Fine	STCA	EN 1.1191 Equiv.	45HRC~	Black Oxide	EN 1.0038 Equiv.	Bright Chromate Plating		4	3.2	4
	STCAM			Electroless Nickel Plating		Trivalent Chromate		5	4	
	SSTCA	EN 1.4125 Equiv.	45HRC~	-	EN 1.4301 Equiv.	-		6	5	
	STBA	EN 1.1191 Equiv.	45HRC~	Black Oxide	EN 1.0038 Equiv.	Bright Chromate Plating		8	6.5	5
Coarse	STBAM			Electroless Nickel Plating		Trivalent Chromate		10	8	
	STBAS	EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-		12	10	6
	SSTBA	EN 1.4125 Equiv.	45HRC~	-		-		16	13	8

* Part numbers in are not RoHS compliant.
* Stainless Steel Hardened Type (EN 1.4125 Equiv.) may be discolored by hardening. (Right in the photo)
* Hardness: Hardened Tip

Part Number		L Selection										STCA, STBA			STCAM, STBAM			STBAS			SSTCA, SSTBA															
Type	M	STCA, STBA										STCAM, SSTCA, STBAM STBAS, SSTBA										Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate							
(Fine) STCA STCAM SSTCA	4	15	20	25	30	35	40					20										1 - 3 pc/sj	4 - 49 pcs.	50 - 100 pcs.	1 - 49 pc/sj	50 - 100 pcs.	1 - 49 pc/sj	50 - 100 pcs.	1 - 49 pc/sj	50 - 100 pcs.						
	5	15	20	25	30	35	40	50					20																							
	6	15	20	25	30	35	40	50					20	25	30	40	50																			
(Coarse) STBA STBAM STBAS SSTBA	8	15	20	25	30	35	40	50	60	70	80					25	30	40	50	60																
	10					30	35	40	50	60	70	80					30				40	50	60	70												
	12					30	35	40	50	60	70	80									40	50	60	70	80											
	16					50				60	70	80									-												-			

Ordering Example
Part Number - L
STCB6 - 20
STBA10 - 50

Stopper Bolts / Stopper Screws

Features: Less deformation because of the flat contact surface.

Stopper Bolts		Type	Material	Hardness	Surface Treatment
Fine	Standard	STRCB	EN 1.7220 Equiv.	40~45HRC	Black Oxide
	Hex Socket	STRCC			Electroless Nickel Plating
		STRCN	EN 1.4006 Equiv.		-
		SSTRCB	EN 1.7220 Equiv.		Black Oxide
Coarse	Standard	STRB	EN 1.4006 Equiv.	40~45HRC	Electroless Nickel Plating
	Hex Socket	STRBC			-
		STRN	EN 1.7220 Equiv.		Black Oxide
		SSTRB	EN 1.4006 Equiv.		Electroless Nickel Plating

* Stainless Steel Hardened Type (SSTRCB, SSTRCC, SSTRB and SSTRC) may be discolored by hardening. (Right in the photo)

Standard Type

Hex Socket Type

Part Number				L 5mm Increment	M		B	(C)	H	(ℓ)	(r)	ℓ ₁	B ₁	Unit Price							
Type		M	Coarse		Fine	STRCB STRB								STRCN STRN	SSTRCB SSTRB	STRCC STRC	STRNCC STRNC	SSTRCC SSTRC			
Standard		Hex Socket Type		*3	10~30	3x0.5	-	5.5	6.4	2	1	0.1	-	-							
				4	15~60	4x0.7	4x0.5	7	8.1	2.8	2.1	0.2	2.2	2							
(Fine)	(Coarse)	(Fine)	(Coarse)	5	15~60	5x0.8	5x0.5	8	9.2	3.5	2.4		2.8	2.5							
				6	20~60	6x1.0	6x0.75	10	11.5	4	3	0.3	3	3							
				8	25~60	8x1.25	8x0.75	13	15.0	5.5	3.7	0.4	4	4							
				10	30~70	10x1.5	10x1.0	17	19.6	7	4.5		5	5							
				12	35~80	12x1.75	12x1.0	19	21.9	8	5.2	0.5	6	6							

Ordering Example
Part Number - L
STRB6 - 20

Alteration	Code	Spec.
Changes L dimensions	LC	Changes the L dimension in 1mm increment. Ordering Code: LC22 Lmin<LC<Lmax 1mm Increment

Stopper Screws		Type	Material	Hardness	Surface Treatment
		STSCC	EN 1.7220 Equiv.	40~45HRC	Black Oxide
		STSNCC			Electroless Nickel Plating
		SSTSCC	EN 1.4031 Equiv.		-

* Stainless Steel Hardened Type (SSTSCC) may be discolored by hardening. (Right in the photo)

Part Number

Type

M

L Selection

MxPitch Fine

B₁

l

(d)

Unit Price

STSCC

STSNCC

SSTSCC

Ordering Example
Part Number - L
STSCC10 - 60