

Stop Pins

Press-Fit / Screw / Spherical Type

Stop Pins – Press-Fit Type

Type	Type	Material	Hardness	Surface Treatment
Fixed	STMH	1045 Carbon Steel or Equivalent	46-50 HRC	Electroless Nickel Plating
	SSTMH	440C or 420 Stainless Steel	50-55 HRC	—
Configurable	STMHF	4137 Alloy Steel or Equivalent	46-50 HRC	Electroless Nickel Plating
	SSTMHF	440C or 420 Stainless Steel	40-45 HRC	—

⚠ Stainless Steel Type may be discolored by hardening.
⚠ 1. C0.5 when D dimension is 3 mm only.

T Fixed Type

Part Number Type	D	dm ₆	L	T
5	3	+0.008	5	5
5A	3	+0.002	7	5
5B	3	+0.002	5	3
6	4		6	5
6A	4		9	5
6B	4		6	3
8	5	+0.012	8	5
8A	5	+0.004	12	5
8B	5	+0.004	8	3
10	6		8	5
10A	6		12	5
10B	6		8	3
12	8		10	
12A	8	+0.015	15	
16	8	+0.006	10	
16A	8	+0.006	15	
18	10		12	
18A	10		18	
20	12	+0.018	16	
20A	12	+0.007	24	

T Configurable Type

Type	Part Number	D	T Configurable 0.5 mm Increment	dm ₆	L
STMHF	3	3	2-5	2	5
	4	4	2-5	3	5
	5	5	2-5	3	5
	6	6	2-5	4	6
SSTMHF	8	8	2-10	5	8
	10	10	2-10	6	8
	12	12	2-10	8	10
	16	16	2-10	8	10
SSTMHF	18	18	2-20	10	12
	20	20	2-20	10	16

Part Number Example

T Fixed **STMH16**
T Configurable **SSTMHF3 - 5**

Stop Pins – Screw Type

Type	Type	Material	Hardness	Surface Treatment	
STEHN	STFHN	4137 Alloy Steel or Equivalent	46-50 HRC	32-38 HRC	Electroless Nickel Plating
	SSTEH	440C or 420 Stainless Steel	50-55 HRC	45-50 HRC	—

⚠ Stainless Steel Hardened Type (440C Stainless Steel) may be discolored by hardening.

Part Number Type	B	T	M (Coarse)	L (C)	Available Types
5.5A	3	3	3	6.4	•
5.5	3	2.0-10.0	5	8.1	•
7	4	2.0-10.0	4	9.2	•
8	5	2.0-10.0	5	11.5	•
10	6	2.0-10.0	6	15	•
10B	8	2.0-10.0	8	12	•
13	5	5.0-30.0	10	19.6	•
13A	8	5.0-30.0	12	21.9	•
13B	8	5.0-30.0	10	19.6	•
14	5	10.0-50.0	10	19.6	•
14A	8	10.0-50.0	12	21.9	•
14B	8	10.0-50.0	10	19.6	•
17	5	10.0-50.0	12	21.9	•
17A	8	10.0-50.0	15	25	•
17B	8	10.0-50.0	12	21.9	•
19	5	10.0-50.0	15	25	•
19A	8	10.0-50.0	18	25	•
19B	8	10.0-50.0	12	21.9	•

Stop Pins – Spherical Type

Type	Type	Material	Hardness	Surface Treatment
H Selectable	BSTEH	4137 Alloy Steel or Equivalent	46-50 HRC	Electroless Nickel Plating
	SBTEH	440C or 420 Stainless Steel	50-55 HRC	—

⚠ Stainless Steel Hardened Type (440C Stainless Steel) may be discolored by hardening.

H Fixed Type

Part Number Type	B	H	M (Coarse)	L (C)	T	SR
5.5	3	3	3	6.4	4.3	7.5
7	4	4	4	8.1	4	8.5
8	5	5	5	9.2	3.9	10
10	6	6	6	11.5	6.5	12
10B	8	8	8	15	6.1	16
13	5	10	10	19.6	6.1	18
14	5	10	10	19.6	7.7	22
14B	8	12	12	21.9	7.5	25
17	5	12	12	21.9	7.5	25
19	5	12	12	21.9	7.5	25
19B	8	18	18	21.9	7.5	25

Part Number Example

H Selectable **STMH16**
H Configurable **STFHN10**
Spherical **SBTFH8**

H Configurable Type

Part Number Type	B	H 0.5 mm Increment	M (Coarse)	L (C)	T	SR
5.5	3	3	3	6.4	H-0.7	7.5
7	4	2.0-10.0	4	8.1	H-1	8.5
8	5	2.0-10.0	5	9.2	H-1.1	10
10	6	2.0-10.0	6	11.5	H-1.5	12
10B	8	2.0-10.0	8	15	H-1.9	16
13	5	5.0-30.0	10	19.6	H-1.9	18
14	5	5.0-30.0	10	19.6	H-2.3	22
17	5	10.0-50.0	12	21.9	H-2.5	25
19	5	10.0-50.0	12	21.9	H-2.5	25

Stop Pins

Press-Fit Urethane / Screw Type with Urethane / Wrench Hole Type

Stop Pins – Press-Fit Urethane Type

Type	Material	Hardness	Surface Treatment
USTMH	4137 Alloy Steel	46-50 HRC	Electroless Nickel Plating
	Urethane (Black)	Shore A90	—
USSTMH	SUS440C(13Cr) Stainless Steel Equivalent	50-55 HRC	—
	Urethane (Black)	Shore A90	—

Part Number Type	D	dm ₆	t	h	L	d ₁	Applicable Collar for Press-Fitting	Available Types
5	3	+0.008	1.5	0.7	5	3	NCLB3-6-10	• •
6	4	+0.012	1.5	0.7	6	4	NCLB4-8-10	• •
8	5	+0.004	2.0	0.7	8	5	NCLB5-10-10	• •
10	6	+0.015	2.0	0.7	10	6	NCLB8-12-10	• •
12	8	+0.006	2.0	0.7	12	8	NCLB10-16-10	• •
16	8	+0.018	2.0	0.7	12	13	NCLB10-20-10	• •
18	10	+0.007	2.0	0.7	12	13	NCLB12-20-10	• •
20	12	+0.018	2.0	0.7	16	15	NCLB16-20-10	• •

*Collar for press-fitting is not included.

Application Example

Stop Pins – Screw Type with Urethane

Type	Material	Hardness	Surface Treatment
USTEH	4137 Alloy Steel	46-50 HRC	Electroless Nickel Plating
	Urethane (Black)	Shore A90	—
USSTEH	304 Stainless Steel	—	—
	Urethane (Black)	Shore A90	—

Part Number Type	B	M (Coarse)	t	h	L	D	(C)
5.5	3	3	1.5	0.7	5	3.5	6.4
7	4	4	1.5	0.7	5	5	8.1
8	5	5	2.0	0.7	6	6	9.2
10	6	6	2.0	0.7	8	8	11.5
13	5	10	2.0	0.7	10	10	15
14	5	10	2.0	0.7	12	13	16.2
17	5	10	2.0	0.7	12	13	19.6
19	5	12	2.0	0.7	15	15	21.9

Stop Pins – Wrench Hole Type

Type	Material	Hardness	Surface Treatment
STEHNW	4137 Alloy Steel	46-50 HRC	Electroless Nickel Plating
SSTEHW	440C or 420 Stainless Steel	50-55 HRC	—

Part Number Type	B	M (Coarse)	L	(C)
10	6	6	6	11.5
13	5	8	10	15
14	5	8	10	16.2
17	5	10	12	19.6
19	5	12	15	21.9

Part Number Example

USTMH10
USTEH13
STEHNW14

Application Example