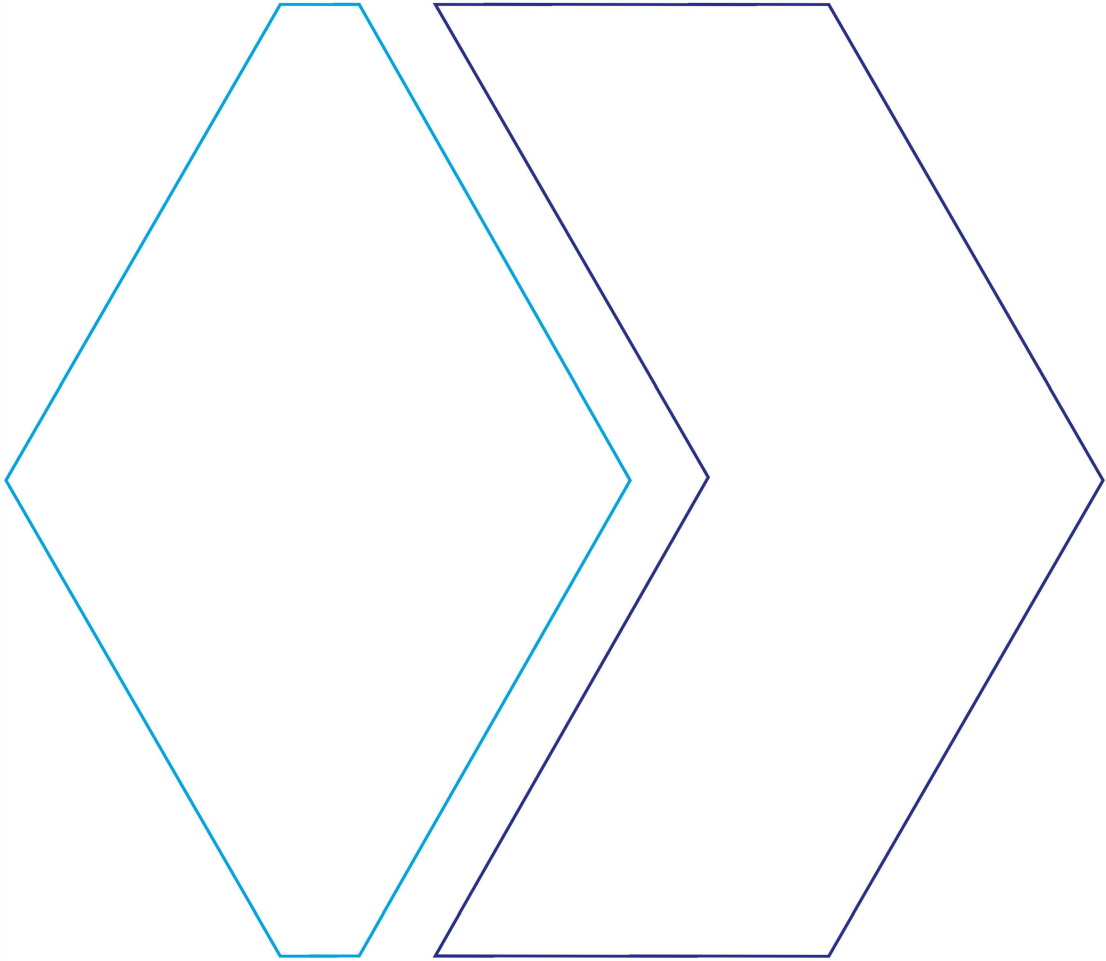


SELF-CLINCHING FASTENERS





NAME	PAGE NO.
Self-Clinching Nuts	1
Self-Clinching Blind Fastener	2
Self-Clinching Flush Fastener	3
Minature Self Clinching Nuts	4
Nylon Insert Self-Locking Fasteners	5
Broaching Nuts, Internally Threaded for Mounting on PC Boards	
Flush-Head Studs	6
Non-Flush Studs	
Heavy-Duty Studs	7
Flush, Low Displacement Head Studs	
Concealed-Head Self Clinching Studs	8
Broaching Studs	
Flush-Head Pilot Pins	9
Through-Hole Threaded Standoffs	10
Blind Threaded Standoffs	11
Broaching Standoffs	12
Snap-Top Standoffs	
Panel Fasteners (Galvanized Steel)	13
Panel Fasteners (Galvanized Steel / 300 Series Stainless Steel)	
Knurled Cap Captive Panel Screws	14

INFORMATION IN THIS CATALOGUE

1. FASTENER TYPE /SERIES										
M	MATERIAL			A (SHANK)		HOLE IN SHEET	E	C	T	MIN. DIST. TO EDGE
	CARBON STEEL	STAINLESS STEEL	HARDENED STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS					
THREAD SIZE x PITCH										
M2 x 0.4	S-M2-0	CLS-M2-0	SP-M2-0	0.76	0.8	4.25	6.3	4.22	1.5	4.8
	S-M2-1	CLS-M2-1	SP-M2-1	0.97	1.0					
	S-M2-2	CLS-M2-2	SP-M2-2	1.37	1.4					
	S-M2-3	CLS-M2-3	SP-M2-3	2.21	2.3					

4. NOTES

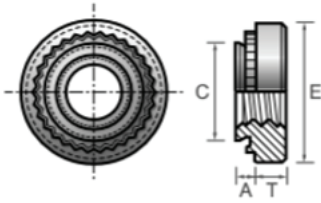
All dimensions are in millimeters
 S: For use in steel or aluminium sheets HRB 80 / HB 150 or less.
 CLS: For use in steel or aluminium sheets HRB 70 / HB 125 or less.
 SP: For use in stainless steel sheets HRB 90 / HB 192 or less.

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SELF-CLINCHING NUTS

Carbon Steel / Stainless Steel / Hardened Stainless Steel



M	MATERIAL			A (SHANK)		HOLE IN SHEET	E	C	T	
THREAD SIZE x PITCH	CARBON STEEL	STAINLESS STEEL	HARDENED STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS	+0.08 mm	±0.25mm	MAX.	±0.25mm	MIN. DIST. TO EDGE
M2 x 0.4	S-M2-0	CLS-M2-0	SP-M2-0	0.76	0.8	4.25	6.3	4.22	1.5	4.8
	S-M2-1	CLS-M2-1	SP-M2-1	0.97	1.0					
	S-M2-2	CLS-M2-2	SP-M2-2	1.37	1.4					
	S-M2-3	CLS-M2-3	SP-M2-3	2.21	2.3					
M2.5 x 0.45	S-M2.5-0	CLS-M2.5-0	SP-M2.5-0	0.76	0.8	4.25	6.3	4.22	1.5	4.8
	S-M2.5-1	CLS-M2.5-1	SP-M2.5-1	0.97	1.0					
	S-M2.5-2	CLS-M2.5-2	SP-M2.5-2	1.37	1.4					
	S-M2.5-3	CLS-M2.5-3	SP-M2.5-3	2.21	2.3					
M3 x 0.5	S-M3-0	CLS-M3-0	SP-M3-0	0.76	0.8	4.25	6.3	4.22	1.5	4.8
	S-M3-1	CLS-M3-1	SP-M3-1	0.97	1.0					
	S-M3-2	CLS-M3-2	SP-M3-2	1.37	1.4					
	S-M3-3	CLS-M3-3	SP-M3-3	2.21	2.3					
M3.5 x 0.6	S-M3.5-0	CLS-M3.5-0	SP-M3.5-0	0.76	0.8	4.75	7.1	4.73	1.5	5.6
	S-M3.5-1	CLS-M3.5-1	SP-M3.5-1	0.97	1.0					
	S-M3.5-2	CLS-M3.5-2	SP-M3.5-2	1.37	1.4					
	S-M3.5-3	CLS-M3.5-3	SP-M3.5-3	2.21	2.3					
M4 x 0.7	S-M4-0	CLS-M4-0	SP-M4-0	0.76	0.8	5.40	7.9	5.38	2.0	6.9
	S-M4-1	CLS-M4-1	SP-M4-1	0.97	1.0					
	S-M4-2	CLS-M4-2	SP-M4-2	1.37	1.4					
	S-M4-3	CLS-M4-3		2.21	2.3					
M5 x 0.8	S-M5-0	CLS-M5-0	SP-M5-0	0.76	0.87	6.40	8.7	6.38	2.0	7.1
	S-M5-1	CLS-M5-1	SP-M5-1	0.97	1.0					
	S-M5-2	CLS-M5-2	SP-M5-2	1.37	1.4					
	S-M5-3	CLS-M5-3		2.21	2.3					
M6 x 1.0	S-M6-0	CLS-M6-0	SP-M6-0	1.15	1.2	8.75	11.05	8.72	4.08	8.6
	S-M6-1	CLS-M6-1	SP-M6-1	1.37	1.4					
	S-M6-2	CLS-M6-2	SP-M6-2	2.21	2.3					
	S-M6-3	CLS-M6-3		3.05	3.2					
M8 x 1.25	S-M8-1	CLS-M8-1	SP-M8-1	1.37	1.4	10.50	12.65	10.44	5.47	9.7
	S-M8-2	CLS-M8-2	SP-M8-2	2.21	2.3					
	S-M8-3	CLS-M8-3		3.05	3.2					
M10 x 1.5	S-M10-1	CLS-M10-1		2.21	2.3	14.0	17.35	13.94	7.48	13.5
	S-M10-2	CLS-M10-2		3.05	3.2					
	S-M10-3	CLS-M10-3		6.00	6.4					

S: For use in steel or aluminium sheets HRB 80 / HB 150 or less.

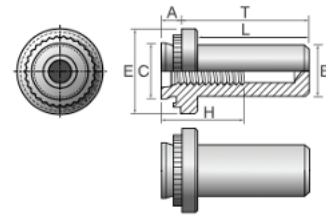
CLS: For use in steel or aluminium sheets HRB 70 / HB 125 or less.

SP: For use in stainless steel sheets HRB 90 / HB 192 or less.

All dimensions are in millimeters

SELF-CLINCHING BLIND FASTENERS

Carbon Steel / Stainless Steel



M	MATERIAL		A (SHANK)		HOLE SIZE	E	C	B	T	H		L
THREAD SIZE X PITCH	CARBON STEEL	STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS	+0.08 mm	±0.25mm	MAX.	MAX.	±0.25mm	±0.25mm	MIN. DIST. HOLE TO EDGE	MAX.
M3 x 0.5	B-M3-1	BS-M3-1	0.97	1	4.25	6.35	4.22	3.8	9.6	5.3	4.8	8.5
	B-M3-2	BS-M3-2	1.37	1.4								
M4 x 0.7	B-M4-1	BS-M4-1	0.97	1	5.40	7.95	5.38	5.2	11.2	7.1	6.9	9.8
	B-M4-2	BS-M4-2	1.37	1.4								
M5 x 0.8	B-M5-1	BS-M5-1	0.97	1	6.40	8.75	6.38	6.0	11.2	7.1	7.1	9.8
	B-M5-2	BS-M5-2	1.37	1.4								
M6 x 1	B-M6-1	BS-M6-1	1.37	1.4	8.75	11.10	8.72	7.8	14.3	7.8	8.6	12.7
	B-M6-2	BS-M6-2	2.21	2.3								

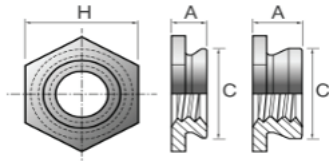
B: For use in Sheet Hardness HRB 80 / HB 150 or less

BS: For use in Sheet Hardness HRB 70 / HB 125 or less

All dimensions are in millimeters

SELF-CLINCHING FLUSH FASTENER

Stainless Steel



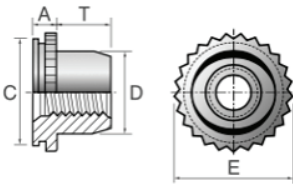
M	MATERIAL	A (SHANK)		HOLE SIZE	H	C	
THREAD SIZE x PITCH	STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS	+0.08 mm - 0.000	NOM.	MAX.	MIN. DIST. HOLE TO EDGE
M2 x 0.4	F-M2-1	1.5	1.50	4.4	4.8	4.34	6
	F-M2-2	2.3	2.30				
M2.5 x 0.45	F-M2.5-1	1.5	1.50	4.4	4.8	4.34	6
	F-M2.5-2	2.3	2.30				
M3 x 0.5	F-M3-1	1.5	1.50	4.5	4.8	4.34	6
	F-M3-2	2.3	2.30				
M3.5 x 0.5	F-M3.5-1	1.5	1.50	5.4	6.4	5.35	6.5
	F-M3.5-2	2.3	2.30				
M4 x 0.7	F-M4-1	1.5	1.50	7.4	7.94	7.34	7.2
	F-M4-2	2.3	2.30				
M5 x 0.8	F-M5-1	1.5	1.50	7.9	8.73	7.87	8
	F-M5-2	2.3	2.30				
M6 x 1	F-M6-3	3.1	3.20	8.75	9.53	8.71	8.8
	F-M6-4	3.9	4.00				
	F-M6-5	4.7	4.75				

For use in Sheet Hardness HRB 70 / HB 125 or less.

All dimensions are in millimeters

MINATURE SELF-CLINCHING NUTS

Stainless Steel



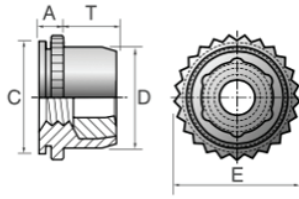
M	TYPE		A (SHANK)		HOLE SIZE	C	D	E	E	
THREAD SIZE X PITCH	FREE-RUNNING	SELF-LOCKING	MAX	MIN. SHEET THICKNESS	+0.08 mm -0.00	MAX. 0.13	MAX.	±0.13mm	0.4mm	MIN. DIST. HOLE TO EDGE
M3 x 0.5	FEOX-M3	FEO-M3	1.02	0.99 - 1.14	4.40	4.34	3.96	4.88	1.90	3.6
	FEX-M3	FE-M3	1.53	1.5 - 1.78						
M4 x 0.7	FEOX-M4	FEO-M4	1.02	0.99 - 1.14	7.40	7.34	5.23	8.17	2.55	5.2
	FEX-M4	FE-M4	1.53	1.5 - 1.78						
M5 x 0.8	FEOX-M5	FEO-M5	1.02	0.99 - 1.14	7.40	7.34	6.48	8.17	3.05	5.2
	FEX-M5	FE-M5	1.53	1.5 - 1.78						
M6 X 1	FEX-M6	FE-M6	1.53	1.5 - 1.78	8.75	8.71	7.72	9.74	3.30	7.1

For use in Sheet Hardness HRB 70 / HB 125 or less.

All dimensions are in millimeters

NYLON INSERT SELF-LOCKING FASTENERS

Carbon Steel / Stainless Steel



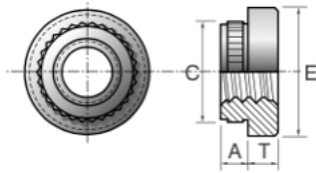
M	TYPE		A (SHANK)		HOLE SIZE	C	D	E	T		
THREAD SIZE X PITCH	CARBON STEEL	STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS	+0.08 mm -0.00	MAX.	MAX.	MAX.	MAX.	MIN. DIST. HOLE TO EDGE	MAX. HOLE IN ATTACH. PARTS
M3 x 0.5	PL-M3	PLC-M3	1.5	1.5 - 1.78	6	5.97	5.5	7.1	3.6	4.3	3.5
M4 x 0.7	PL-M4	PLC-M4	1.5	1.5 - 1.78	7.5	7.47	7	8.6	4.2	5.6	4.5
M5 x 0.8	PL-M5	PLC-M5	1.5	1.5 - 1.78	8.0	7.97	7.5	8.9	4.5	6.4	5.5

For use in Sheet Hardness HRB 70 / HB 125 or less.

All dimensions are in MM.

BROACHING NUTS INTERNALLY THREADED FOR MOUNTING ON PC BOARDS

Carbon Steel / Stainless Steel



M	TYPE		A (SHANK)		HOLE SIZE	C	E	T	
THREAD SIZE X PITCH	CARBON STEEL	STAINLESS STEEL	MAX.	MIN. SHEET THICKNESS	+0.08 mm -0.00	MIN. DIST. ±0.08	±0.13mm	±0.13mm	MIN. DIST. HOLE TO EDGE
M2.5 x 0.45	KF2-M2.5	KFS2-M2.5	1.5	1.5	4.2	4.68	5.56	1.5	4.5
M3 x 0.5	KF2-M3	KFS2-M3	1.5	1.5	4.2	4.68	5.56	1.5	4.5
M4 x 0.7	KF2-M4	KFS2-M4	1.5	1.5	6.4	6.81	8.74	2.0	6.4
M5 x 0.8	KF2-M5	KFS2-M5	1.5	1.5	6.9	7.37	9.53	3.0	7.1

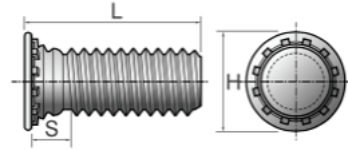
All dimensions are in millimeters

For use in Sheet Hardness: HRB 70 / HB 125 or less

Can be used in aluminium, acrylic, casting and polycarbonate components.

FLUSH-HEAD STUDS

Carbon Steel / Stainless Steel / Aluminium



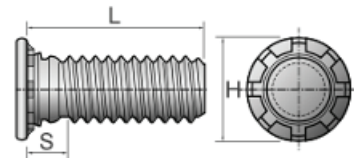
M	TYPE				LENGTH CODE IN MM.													HOLE SIZE		MAX. HOLE IN ATTACH. PARTS	H	S	
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	400 SERIES STAINLESS STEEL	ALUMINIUM	"L" ±0.4													MIN. SHEET THICKNESS	+0.08 mm -0.00		±0.4mm	MAX.	MIN. DIST. HOLE TO EDGE
M2.5 x 0.45	FH	FHS	FH4	FHA	6	8	10	12	15	18	20	22	25	28	30	1	2.5	3.1	4.1		5.4		
M3 x 0.5	FH	FHS	FH4	FHA	6	8	10	12	15	18	20	22	25	28	30	1	3	3.6	4.6	2.1	5.6		
M3.5 x 0.6	FH	FHS	FH4	FHA	6	8	10	12	15	18	20	22	25	28	30	1	3.5	4.1	5.3		6.4		
M4 x 0.7	FH	FHS	FH4	FHA	6	8	10	12	15	18	20	22	25	28	30	35	40	1	4	4.6	5.9	5.9	7.2
M5 x 0.8	FH	FHS	FH4	FHA	6	8	10	12	15	18	20	22	25	28	30	35	40	1	5	5.6	6.5	6.5	7.2
M6 x 1	FH	FHS	FH4	FHA		8	10	12	15	18	20	22	25	28	30	35	40	1.6	6	6.6	8.2		7.9
M8 x 1.25	FH	FHS				10	12	15	18	20	22	25	28	30	35	40	2.4	8	8.6	9.6		9.6	

FH: For use in steel or aluminium sheets HRB 80 / HB 150 or less.
 FHS: For use in steel or aluminium sheets HRB 70 / HB 125 or less.
 FH4: For use in stainless steel sheets HRB 92 / HB 195 or less.
 FHA: For use in aluminium sheets HRB 50 / HB 82 or less.

All dimensions are in millimeters

NON-FLUSH STUDS

Carbon Steel / Stainless Steel



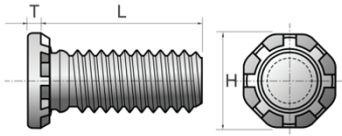
M	TYPE		LENGTH CODE IN MM.															HOLE SIZE	H	S	
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	"L" ±0.4														MIN. SHEET THICKNESS	+0.08 mm -0.00	±0.4	MAX.	MIN. DIST. HOLE TO EDGE
M3 x 0.5	TFH	TFHS	6	8	10	12	15	18	20	25					0.51	3	4.5	0.64	5.6		
M4 x 0.7	TFH	TFHS		8	10	12	15	18	20	25	30	35	38		0.51	4	5.8	0.64	7.2		
M5 x 0.8	TFH	TFHS		8	10	12	15	18	20	25	30	35	38		0.51	5	6.4	0.64	7.2		

TFH: For use in steel or aluminium sheets HRB 80 / HB 150 or less.
 TFHS: For use in steel or aluminium sheets HRB 70 / HB 125 or less.

All dimensions are in millimeters

HEAVY-DUTY STUDS

Carbon Steel / 300 Series Stainless Steel



M	TYPE		LENGTH CODE IN MM.									HOLE SIZE		H	T	
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	"L " ±0.4								MIN. SHEET THICKNESS	+0.13 mm -0.00	MAX.HOLE IN ATTACH. PARTS	±0.25mm	MAX.	MIN. DIST. HOLE TO EDGE
M5 x 0.8	HFH	HFHS	15	20	25	30	35	40	50	1.3	5	6.5	7.8	1.14	10.7	
M6 x 1	HFH	HFHS	15	20	25	30	35	40	50	1.5	6	7.5	9.4	1.27	11.5	
M8 x 1.25	HFH	HFHS	15	20	25	30	35	40	50	2	8	9.5	12.5	1.78	12.7	
M10 x 1.5	HFH	HFHS	15	20	25	30	35	40	50	2.3	10	11.5	15.7	2.29	13.7	

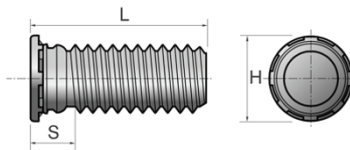
HFH: For use in steel or aluminium sheets HRB 85 / HB 165 or less

HFHS: For use in steel or aluminium sheets HRB 70 / HB 125 or less

All dimensions are in millimeters

FLUSH, LOW DISPLACEMENT HEAD STUDS

Carbon Steel / Stainless Steel



M	TYPE		LENGTH CODE IN MM.											HOLE SIZE	H	S	
THREAD SIZE X PITCH	CARBON STEEL	STAINLESS STEEL	"L" ±0.4										MIN. SHEET THICKNESS	+0.08 mm -0.00	±0.4mm	MAX.	MIN. DIST. HOLE TO EDGE
M2.5 x 0.45	FHL	FHLS	6	8	10	12	15	18	20			1	2.5	3.15	2.1	2.8	
M3 x 0.5	FHL	FHLS	6	8	10	12	15	18	20	25		1	3	3.65	2.1	3.3	
M3.4 x 0.6	FHL	FHLS	6	8	10	12	15	18	20	25	30	1	3.5	4.15	2.3	3.8	
M4 x 0.7	FHL	FHLS	6	8	10	12	15	18	20	25	30	35	1	4	4.65	2.4	4.3
M5 x 0.8	FHL	FHLS	6	8	10	12	15	18	20	25	30	35	1	5	5.9	2.7	5.6

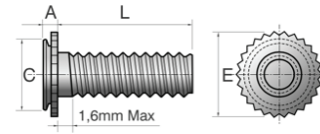
FHL: For use in steel or aluminium sheets HRB 80 / HB 150 or less

FHLS: For use in steel or aluminium sheets HRB 70 / HB 125 or less

All dimensions are in millimeters

CONCEALED-HEAD SELF CLINCHING STUDS

Stainless Steel



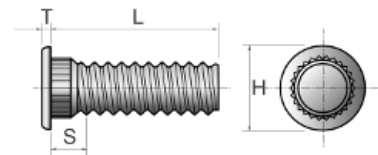
M	TYPE	LENGTH CODE IN MM.								BLIND MOUNTING HOLE DIA.		E	C		
THREAD SIZE X PITCH	300 SERIES STAINLESS STEEL	"L" ±0.4							MIN. SHEET THICKNESS	0.08mm	MAX.HOLE IN ATTACH. PARTS	±0.25mm	MAX.	MIN. DEPTH OF BLIND HOLE	MIN. DIST. HOLE TO EDGE
M3 x 0.5	CHC	6	8	10	12	16	20	-	1.6	4.37	3.6	5.21	4.35	1.1	4
	CFHC								2.4					1.91	
M4 x 0.7	CHC	6	8	10	12	16	20	25	1.6	7.37	4.6	8.33	7.35	1.1	5.6
	CFHC								2.4					1.91	
M5 x 0.8	CHC	-	-	10	12	16	20	25	1.6	7.97	5.6	8.89	7.9	1.1	6.4
	CFHC								2.4					1.91	

For use in Sheet Hardness HRB 70 / HB 125 or less

All dimensions are in millimeters

BROACHING STUDS

Phosphor Bronze



M	TYPE	LENGTH CODE IN MM.						S		HOLE SIZE			H	T		
THREAD SIZE X PITCH	CDA-510 PHOSPHOR BRONZE	"L" ±0.4						MAX.	MIN. SHEET THICKNESS	+0.08 mm	MAX.HOLE IN ATTACH. PARTS	±0.25m m	±0.13	MIN. DIST. HOLE TO EDGE	+0.08	
M3 x 0.5	KFH	6	8	10	12	15	18	2.3	1.5	3	3.7	4.58	0.5	3.8	3.1	
M4 x 0.7	KFH	6	8	10	12	15	18	2.3	1.5	4.2	4.8	5.74	0.5	5.1	4.1	
M5 x 0.8	KFH	6	8	10	12	15	18	2.3	1.5	5	5.8	6.60	0.5	5.3	5.1	

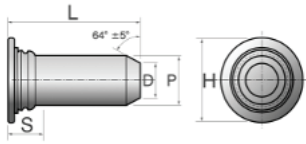
For Use in Sheet Hardness: HRB 55 / HB 96 or less

Can be used in aluminium, acrylic, castings, polycarbonate and PC board.

All dimensions are in millimeters.

FLUSH-HEAD PILOT PINS

300 Series Stainless Steel



PIN DIAMETER	TYPE	LENGTH CODE IN MM.						S		HOLE SIZE	H	D	
P ±0.05	300 SERIES STAINLESS STEEL	"L " ±0.4						MAX. *	MIN. SHEET THICKNESS	+0.08 mm	±0.4mm	±0.15mm	MIN. DIST. HOLE TO EDGE
3mm	TPS	8	10	12	16	-		2.29	1	3.5	5.2	2.05	6.4
4mm	TPS	8	10	12	16	-		2.29	1	4.5	6.12	2.82	7.1
5mm	TPS	-	10	12	16	20		2.29	1	5.5	7.19	3.53	7.6
6mm	TPS	-	-	12	16	20		2.29	1	6.5	8.13	4.24	7.9

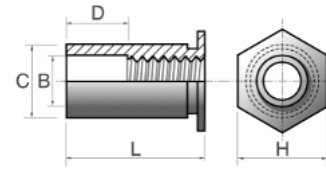
* Pin Diameter may exceed max. in this region.

For use in Sheet Hardness HRB 70 / HB 125 or less

All dimensions are in millimeters.

THROUGH-HOLE THREADED STANDOFFS

Carbon Steel / 300 Series Stainless Steel / Hardened Stainless Steel / Aluminium



M	TYPE				LENGTH CODE IN MM.											
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	HARDENED STAINLESS STEEL	ALUMINIUM	"L" +0.05 - 0.13											
M3 x 0.5	SO	SOS	SO4	SOA	3	4	6	8	10	12	14	16	18			
M3.5 x 0.6	SO	SOS	SO4	SOA	3	4	6	8	10	12	14	16	18	20	22	25
M4 x 0.7																
M5 x 0.8																
	D Dimension ±0.25				None			4			8			11		

M		HOLE SIZE	H	C	B	
THREAD SIZE X PITCH	MIN. SHEET THICKNESS	+0.08 mm	NOM.	-0.13mm	± 0.13 mm	MIN. DIST. HOLE TO EDGE
M3 x 0.5	1.0	4.2	4.8	4.19	3.2	6.0
3.5M3 x 0.5	1.0	5.4	6.4	5.38	3.2	7.0
M3.5 x 0.6	1.0	5.4	6.4	5.38	4.0	7.0
M4 x 0.7	1.3	7.2	7.9	7.11	4.8	8.0
M5 x 0.8	1.3	7.2	7.9	7.11	5.35	8.0

SO: For use in steel or aluminium sheets HRB 80 / HB 150 or less

SOS: For use in steel or aluminium sheets HRB 70 / HB 125 or less

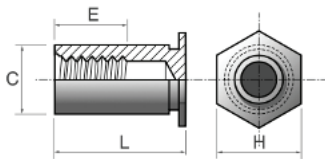
SO4: For use in stainless steel sheets HRB 88 / HB 183 or less

SOA: For use in aluminium sheets HRB 50 / HB 82 or less

All dimensions are in millimeters.

BLIND THREADED STANDOFFS

Carbon Steel / 300 Series Stainless Steel / Hardened Stainless Steel / Aluminium



M	TYPE				LENGTH CODE IN MM.									
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	HARDENED STAINLESS STEEL	ALUMINIUM	"L" +0.05 - 0.13									
M3 x 0.5	BSO	BSOS	BSO4	BSOA	6	8	10	12	14	16	18	20	22	25
3.5M3														
M3.5 x 0.6														
M4 x 0.7														
M5 x 0.8														
	F DIMENSION MIN.				3.2	4	5	6.5	9.5					

M		HOLE SIZE	H	C	
THREAD SIZE X PITCH	MIN. SHEET THICKNESS	+0.08 mm	NOM.	-0.13mm	MIN. DIST. HOLE TO EDGE
M3	1.0	4.2	4.8	4.19	6.0
3.5M3	1.0	5.4	6.4	5.38	7.0
M3.5	1.0	5.4	6.4	5.38	7.0
M4	1.3	7.2	7.9	7.11	8.0
M5	1.3	7.2	7.9	7.11	8.0

All dimensions are in millimeters.

BSO: For use in steel or aluminium sheets HRB 80 / HB 150 or less

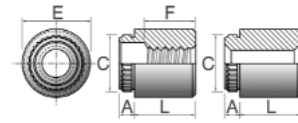
BSOS: For use in steel or aluminium sheets HRB 70 / HB 125 or less

BSO4: For use in stainless steel sheets HRB 88 / HB 183 or less

BSOA: For use in aluminium sheets HRB 50 / HB 82 or less

BROACHING STANDOFFS

Carbon Steel / Stainless Steel



M	THRU HOLE	TYPE		LENGTH CODE IN MM.								A (SHANK)	HOLE SIZE	E	C	MIN. DIST. HOLE TO EDGE
THREAD SIZE X PITCH	+0.10 -0.08	CARBON STEEL	STAINLESS STEEL	"L" ±0.13								MAX.	+0.08mm	±0.13mm	±0.08mm	
M3 x 0.5	-	KFEM3	KFSEM3	3	4	6	8	10	12	14	16	1.5	4.2	5.56	4.68	4.4
-	3.6	KFE3.6	KFSE3.6	3	4	6	8	10	12	14	16	1.5	5.4	7.14	5.87	5.5
-	4.2	KFE4.2	KFSE4.2	3	4	6	8	10	12	14	16	1.5	6.4	8.74	6.81	7.1
F Min Thread Length				Full				9.5 ± 0.4								

KFE: For Use in Sheet Hardness: HRB 60 / HB 107 or less

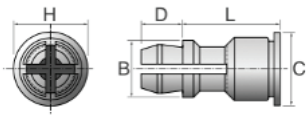
KFSE: For Use in Sheet Hardness: HRB 70 / HB 125 or less

KFE / KFSE: Can be used in aluminium, acrylic, casting and polycarbonate components.

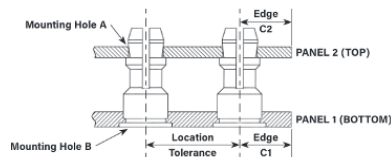
All dimensions are in millimeters.

SNAP-TOP STANDOFFS

Carbon Steel / Stainless Steel / Aluminium



TYPE			TOP MOUNTING HOLE DIAMETER CODE	LENGTH CODE IN MM.									H	C	B	D
CARBON STEEL	STAINLESS STEEL	ALUMINIUM		"L" ±0.13									±0.13	MAX.	±0.13	±0.13
SSS	SSC	SSA	4mm	8	10	12	14	16	18	20	22	25	6.35	5.38	4.77	3.58

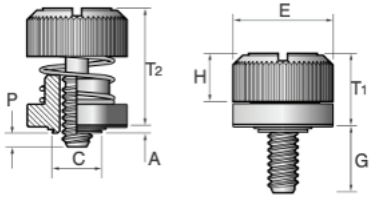


TYPE	PANEL 1					PANEL 2				
	BOTTOM MOUNTING HOLE B +0.08	PANEL MATERIAL	HARDNESS MAX.	THICKNESS MIN.	EDGE DISTANCE C MIN.	BOTTOM MOUNTING HOLE B +0.08	PANEL MATERIAL	HARDNESS MAX.	THICKNESS RANGE	EDGE DISTANCE C MIN.
SSS			HRB 60							
SSC	5.4	Metal	HRB 70	1	6.6	4.0	PC Board or Metal	No Limit	1 - 1.8	2.5
SSA			HRB 50							

All dimensions are in millimeters.

PANEL FASTENERS

Galvanized Steel



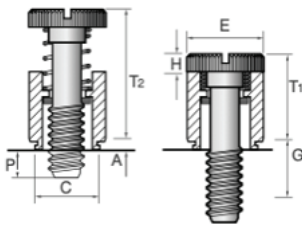
M			G	A (SHANK)		HOLE SIZE	E	C	T1	T2	H	
THREAD SIZE X PITCH	PART NUMBER	SCREW LENGTH CODE	±0.4 mm	MAX.	MIN. SHEET THICKNESS	+0.08 mm	±0.4mm -0.13mm	MAX.	MAX.	±0.4 mm	±0.4mm	MIN. DIST. HOLE TO EDGE
M3 x 0.5	PF-31	30	7.6	0.97	1	5.5	10.3	5.47	8.3	15.3	2.1	6.6
	PF-32			1.47	1.5							
M4 x 0.7	PF-31	30	7.6	0.97	1	6.4	11.9	6.37	8.4	15.4	2.2	7.4
	PF-32			1.47	1.5							
M5 x 0.8	PF-31	30	7.6	0.97	1	8.0	13.5	7.97	8.5	15.4	2.6	8.4
	PF-32			1.47	1.5							
M6 x 1	PF-32	35	8.9	1.47	1.5	9.5	15.9	9.47	9.7	17	3.1	9.7

Hardness: HRB 60 / HB 107 or less

All dimensions are in millimeters.

PANEL FASTENER

Galvanized Steel / 300 Series Stainless Steel



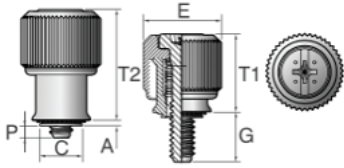
M	TYPE		G	P	A (SHANK)		HOLE SIZE	E	C	T1	T2	H	
THREAD SIZE X PITCH	CARBON STEEL	300 SERIES STAINLESS STEEL	±0.4 mm	±0.4 mm	MAX.	MIN. SHEET THICKNESS	+0.08 mm -0.00	+0.4 mm -0.25 mm	MAX.	MAX.	NOM.	±0.13 mm	MIN. DIST. HOLE TO EDGE
M3 x 0.5	PFS2-M3-40	PFC2-M3-40	6.4	0.0	1.53	1.53	6.75	7.9	6.7	9.1	13.83	1.83	6.4
	PFS2-M3-62	PFC2-M3-62	9.5	3.2									
	PFS2-M3-84	PFC2-M3-84	12.7	6.4									
M4 x 0.7	PFS2-M4-50	PFC2-M4-50	7.9	0.0	1.53	1.53	7.95	9.5	7.9	11.4	17.78	2.08	7.9
	PFS2-M4-72	PFC2-M4-72	11.1	3.2									
	PFS2-M4-94	PFC2-M4-94	14.3	6.4									
M5 x 0.8	PFS2-M5-50	PFC2-M5-50	7.9	0.0	1.53	1.53	8.75	10.3	8.7	11.4	17.78	2.08	8.7
	PFS2-M5-72	PFC2-M5-72	11.1	3.2									
	PFS2-M5-94	PFC2-M5-94	14.3	6.4									
M6 x 1.0	PFS2-M6-60	PFC2-M6-60	9.5	0.0	1.53	1.53	10.5	11.9	10.5	14.6	22.39	2.49	9.5
	PFS2-M6-82	PFC2-M6-82	12.7	3.2									
	PFS2-M6-04	PFC2-M6-04	15.9	6.4									

PFS2: For Use in Sheet Hardness: HRB 80 / HB 150 or less

PFC2: For Use in Sheet Hardness: HRB 70 / HB 125 or less

All dimensions are in millimeters.

KNURLED CAP CAPTIVE PANEL SCREWS



M		G	P	A		HOLE SIZE	E	C	T1	T2		
THREAD SIZE X PITCH	SCREW LENGTH CODE	±0.64 mm	±0.64 mm	MAX.	MIN. SHEET THICKNESS	+0.08 mm	±0.25	MAX.	NOM.	NOM.	DRIVER SIZE	MIN. DIST. HOLE TO EDGE
M3 x 0.5	0	4.32	0	0.92	0.92	5.56	10.59	5.54	7.87	11.43	#1	7.11
	1	5.84	1.52									
	2	7.37	3.05									
M3.5 x 0.6	0	5.84	0	0.92	0.92	6.35	11.43	6.33	11.43	16.26	#2	7.37
	1	7.37	1.52									
	2	8.89	3.05									
M4 x 0.7	0	5.84	0	0.92	0.92	7.92	13.06	7.9	11.43	16.26	#2	8.38
	1	7.37	1.52									
	2	8.89	3.05									
M5 x 0.8	0	5.84	0.0	0.92	0.92	7.92	13.06	7.9	11.43	16.26	#2	8.38
	1	7.37	1.52									
	2	8.89	3.05									
M6 x 1	0	7.37	0	0.92	0.92	9.53	14.61	9.5	13.46	20.07	#3	11.68
	1	8.89	1.52									
	2	10.41	3.05									

PFS2: For Use in Sheet Hardness: HRB 80 / HB 150 or less

All dimensions are in millimeters.

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