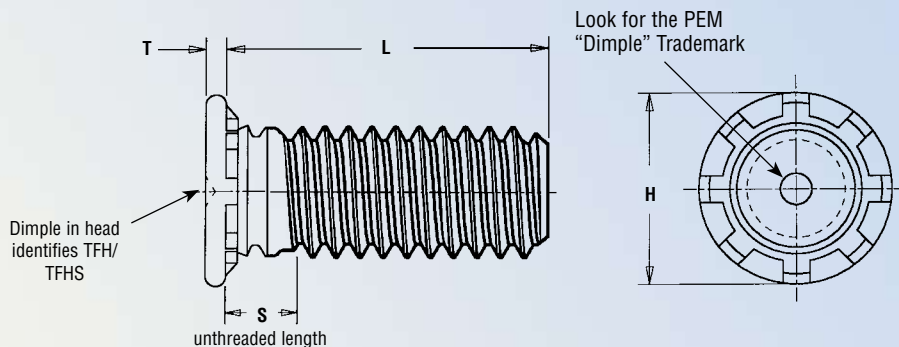
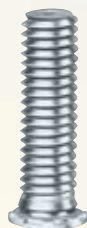


TYPE TFH/TFHS

- Non-flush for sheets as thin as 0.51 mm.



All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Type		Thread Code	Length Code "L" ±0.4 (Length Code in millimeters)										Min. Sheet Thickness (1)	Hole Size in Sheet +0.08	Max. Hole in Attach. Parts	H ±0.4	S Max.	T Max.	Min. Dist. Hole C/L to Edge
		Fastener Material																			
		Steel	Stain-less Steel																		
	M3x0.5	TFH	TFHS	M3	6	8	10	12	15	18	20 ^{NS}	25 ^{NS}	NA	NA	0.51	3	3.6	4.5	1.8	0.64	5.6
M4x0.7	TFH	TFHS	M4	NA	8 ^{NS}	10	12	15	18	20 ^{NS}	25 ^{NS}	30 ^{NS}	35 ^{NS}	0.51	4	4.6	5.8	1.8	0.64	7.2	
M5x0.8	TFH	TFHS	M5	NA	8 ^{NS}	10	12	15	18	20 ^{NS}	25 ^{NS}	30 ^{NS}	35 ^{NS}	0.51	5	5.6	6.4	2.3	0.64	7.2	

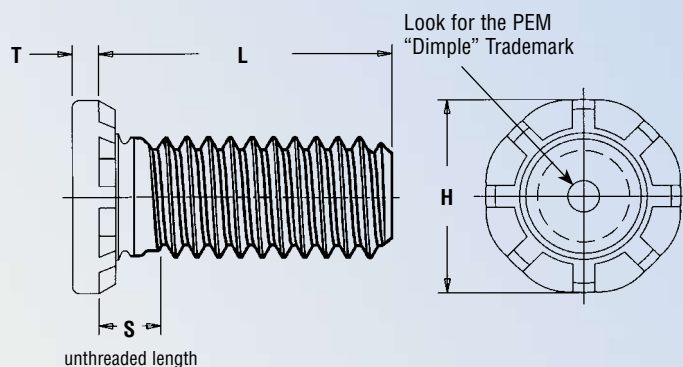
NS Not Stocked, available on special order.

NA Not Available.

(1) See page FH-10 for installation tool requirements.

TYPE HFH/HFHS/HFHB

- For high-strength applications in sheets as thin as 1.3 mm.
- Type HFHB for superior electrical/mechanical attachment in copper.



All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Type			Thread Code	Length Code "L" ±0.4 (Length Code in millimeters)								Min. Sheet Thickness	Hole Size in Sheet +0.13	Max. Hole in Attach. Parts	H ±0.25	S Max.	T Max.	Min. Dist. Hole C/L to Edge
		Fastener Material																		
		Steel	Stainless Steel	Phosphor Bronze(1)																
	M5x0.8	HFH	HFHS	HFHB	M5	15 ^{NS}	20	25 ^{NS}	30	35 ^{NS}	40 ^{NS}	50 ^{NS}	1.3	5	6.5	7.8	2.7	1.14	10.7	
M6x1	HFH	HFHS	HFHB	M6	15 [*]	20	25 ^{NS}	30	35 ^{NS}	40 ^{NS}	50 ^{NS}	1.5	6	7.5	9.4	2.8	1.27	11.5		
M8x1.25	HFH	HFHS	HFHB	M8	15 ^{NS}	20	25 ^{NS}	30	35 ^{NS}	40 ^{NS}	50 ^{NS}	2	8	9.5	12.5	3.5	1.78	12.7		
M10x1.5	HFH	HFHS	HFHB ^{NS}	M10	15 ^{NS}	20	25 ^{NS}	30	35 ^{NS}	40 ^{NS}	50 ^{NS}	2.3	10	11.5	15.7	4.1	2.29	13.7		

Tensile strength: HFH - 900 MPa / HFHS - 515 MPa / HFHB - 415 MPa

NS Not Stocked, available on special order.

NA Not Available.

(1) The electrical resistance (tested at 10 amps DC) between phosphor bronze studs and copper busbars is below 104 μ ohms and 62 μ ohms for the M5 and M10 thread sizes respectively, after repeated thermal and mechanical cycling. Consult our Marketing department for complete electrical resistance test data for type HFHB studs installed in copper.

* Type HFHB-M6-15 is only available on special order.