



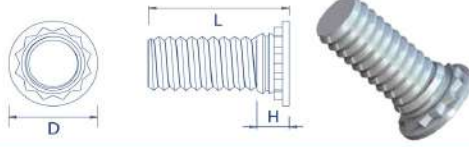
SOURCING STORING SUPPLY

Part Code:  
MV-FH / MV-FHS / MV-FH4 / MV-FHA



## Flush Head Studs

Zinc Plated Steel: MV-FH | Stainless Steel: MV-FHS | 400 Series Stainless Steel: MV-FH4 | Aluminium: MV-FHA



### Metric Dimensions

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8
D ±0.4	3.5	4.1	4.6	5.3	5.9	6.5	8.2	9.6
H max	1.95	1.95	2.1	2.2	2.4	2.7	3.0	3.7
Min sheet thickness	1	1	1	1	1	1	1.6	2.4
Recommended hole size +0.08 -0.0	2	2.5	3.0	3.5	4.0	5.0	6.0	8.0
Min distance to edge of sheet	5.2	5.4	5.6	6.4	7.2	7.2	7.9	9.6

### Preferred Range

Thread size*Pitch	M2*0.4	M2.5*0.45	M3*0.5	M3.5*0.6	M4*0.7	M5*0.8	M6*1.0	M8*1.25
Length ±0.4	5		*		*			
	6	*	*	*	*	*		
	8	*	*	*	*	*	*	*
	10	*	*	*	*	*	*	*
	12	*	*	*	*	*	*	*
	15	*	*	*	*	*	*	*
	16	*	*	*	*	*	*	*
	18	*	*	*	*	*	*	*
	20	*	*	*	*	*	*	*
	22			*	*	*	*	*
	25			*	*	*	*	*
	28				*	*	*	*
	30			*	*	*	*	*
	35			*	*	*	*	*
	38				*	*	*	*
	40				*	*	*	*
45				*	*	*	*	
50				*	*	*	*	

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## MV DESIGNS & FASTENERS



SOURCING STORING SUPPLY

Part Code:  
MV-FH / MV-FHS / MV-FH4 / MV-FHA



## Flush Head Studs

### Metric Performance Data: MV-FH4

Thread	M2.5	M3	M4	M5	M6	M8
Test sheet data (mm)	1.4 ST/ST	1.5 ST/ST	1.6 ST/ST	1.5 ST/ST	1.5 ST/ST	2.5 ST/ST
Installation (kN)	40	41	51	54	71	73.5
Pushout (N)	2000	2230	3300	3600	4210	5500
Torque-out (Nm)	1-4	1.8	6.6	10.8	15.9	30
Pull through (N)	-	3300	8010	10020	14950	-

### Metric Performance Data: MV-FHS

Thread	M2	M2.5	M3	M4	M5	M6	M8
Sheet thickness (mm)	1.5	1.5	1.5	1.5	1.5	2.5	2.5
Installation (kN)	13.5	13.5	14.7	26	32	44	49.9
Torsional resistance (Nm)	0.45	0.8	1.4	2.9	6.4	10	17
Pushout (N)	740	740	820	1790	2000	2500	2800
Pull through (N)	-	1800	2450	4800	6000	10600	13600

### Metric Performance Data: MV-FH

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8
Sheet thickness (mm)	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5
Installation (kN)	9.0	11	14.7	22.3	28	33.5	45	45
Torsional resistance (Nm)	0.45	1	1.7	2.8	4.3	6.8	12	19.5
Pushout (N)	700	740	820	1335	1800	2100	2600	2900
Pull through (N)	1700	2800	3900	3780	5700	6300	11400	15500

These tests have been conducted in laboratory conditions, these figures should therefore be used for guidance only.

All data is correct to the best of our knowledge, however we cannot be held responsible for any errors or omissions.

FH4 - Recommended for use in stainless steel sheets: HRB 92 or less.  
FHS - Recommended for use in steel or aluminium sheets: HRB 70 or less.  
FH - Recommended for use in steel or aluminium sheets: HRB 80 or less.

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