

Clinch Studs



Clinch studs provide a strong thread in thin metal materials and are available in a large range of sizes. They are flush on the reverse side when installed using a press with a squeezing action.

STEEL ZINC

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2	2	1	5	6 to 16
M2.5	2.5	1	5.4	6 to 18
M3	3	1	5.6	6 to 35
M3.5	3.5	1	6.4	8 to 18
M4	4	1	7.2	6 to 50
M5	5	1	7.2	8 to 50
M6	6	1.6	7.9	8 to 50
M8	8	2.4	9.6	12 to 60

STAINLESS STEEL

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	5.4	6 to 18
M3	3	1	5.6	6 to 35
M3.5	3.5	1	6.4	8 to 18
M4	4	1	7.2	6 to 50
M5	5	1	7.2	8 to 38
M6	6	1.6	7.9	10 to 50
M8	8	2.4	9.6	12 to 50

EXTRA HARD STAINLESS

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M3	3	1	5.6	6 to 25
M4	4	1	7.2	6 to 25
M5	5	1	7.2	8 to 25
M6	6	1.6	7.9	10 to 30

UNF & UNC thread sizes also available.

Clinch Studs - Standard Length Sizes

6	8	10	12	14	15	16	18	20
22	25	30	35	38	40	45	50	mm

Close-To-Edge Clinch Studs



Close-to-edge clinch studs can be installed closer to the edge of the panel than standard clinch studs without causing edge distortion. They require the same hole size UNF & UNC thread sizes also available. as standard clinch studs.

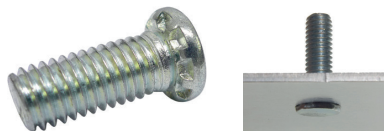
STEEL ZINC PLATED

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	2.8	6 to 15
M3	3	1	3.3	6 to 20
M4	4	1	4.3	6 to 20
M5	5	1	5.6	10 to 15

STAINLESS STEEL

Thread Size	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge	Length Range Available
M2.5	2.5	1	2.8	6 to 15
M3	3	1	3.3	6 to 20
M4	4	1	4.3	6 to 20
M5	5	1	5.6	10 to 15

Heavy Duty Clinch Studs

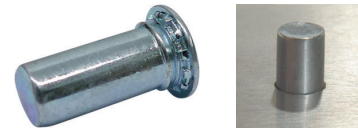


Heavy duty clinch studs have a larger and thicker head which greatly increases the torque-out and pull-out performance. The head remains partly protruding after installation.

STEEL ZINC PLATED/STAINLESS STEEL

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Head Dia.	Head protrusion when installed	Min. distance centre to edge
M6 X 15	6.0	1.5	9.4	1.3	11.5
M6 X 20					
M8 X 16	8.0	2.0	12.5	1.8	12.7
M8 X 20					
M8 X 25					
M8 X 30	10.0	2.3	15.7	2.3	13.7
M8 X 35					
M10 X 15					
M10 X 20					
M10 X 25	10.0	2.3	15.7	2.3	13.7
M10 X 30					
M10 X 35					
M10 X 40					
M10 X 50					

Clinch Pins



Clinch pins have all the cost saving advantages of clinch studs and provide a smooth pin for locating or attaching to. They are flush on the reverse side when installed.

STEEL ZINC PLATED

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge
3MM X 6	3.5	1.0	6.4
3MM X 8			
3MM X 10			
3MM X 12	4.1	1.0	7.1
4MM X 6			
4MM X 8			
4MM X 10			
4MM X 12	5.5	1.0	7.6
4MM X 15			
4MM X 20			
5MM X 8			
5MM X 10			
5MM X 12	6.5	1.6	7.9
5MM X 15			
5MM X 20			
5MM X 25			
6MM X 10			
6MM X 12			
6MM X 15	6.5	1.6	7.9
6MM X 20			
6MM X 30			

Clinch Pilot Pins



Clinch pilot pins have a chamfered end to assist in alignment of the mating part. They are flush on the reverse side when installed.

STAINLESS STEEL

Thread Size x Overall Length	Hole Diameter	Minimum Sheet Thickness	Min. distance centre to edge
3MM X 8			
3MM X 10	3.5	1.0	6.4
3MM X 12			
3MM X 16			
4MM X 8			
4MM X 10	4.5	1.0	7.1
4MM X 12			
4MM X 16			
5MM X 10			
5MM X 12	5.5	1.0	7.6
5MM X 16			
5MM X 20			
6MM X 12			
6MM X 16	6.5	1.6	7.9
6MM X 20			

Clinch Nuts



Hardened steel nuts which are suitable for use in material of up to 80HRB hardness.

Made of 303 grade Stainless and suitable for use in material of up to 70HRB hardness.

Made of extra hard stainless material and suitable for use in material of up to 90HRB hardness. They do have some magnetic properties.

UNF & UNC thread sizes also available.

Thread Size-Shank Code	Suitable Sheet Thickness	Hole Diameter	Nut Body Diameter	Nut Body Thickness	Min. distance centre to edge
M2-0	0.8-1.0				
M2-1	1.0-1.4	4.25	6.30	1.5	4.8
M2-2	1.4+				
M2.5-0	0.8-1.0				
M2.5-1	1.0-1.4	4.25	6.30	1.5	4.8
M2.5-2	1.4+				
M3-0	0.8-1.0				
M3-1	1.0-1.4	4.25	6.30	1.5	4.8
M3-2	1.4+				
M3.5-0	0.8-1.0				
M3.5-1	1.0-1.4	4.75	7.10	1.5	5.6
M3.5-2	1.4+				
M4-0	0.8-1.0				
M4-1	1.0-1.4	5.40	7.90	2.0	6.9
M4-2	1.4+				
M5-0	0.8-1.0				
M5-1	1.0-1.4	6.40	8.70	2.0	7.1
M5-2	1.4+				
M6-0	1.2-1.4				
M6-1	1.4-2.3	8.75	11.05	4.1	8.6
M6-2	2.3+				
M8-1	1.4-2.3				
M8-2	2.3+	10.50	12.65	5.5	9.7
M10-1	2.3-3.2				
M10-2	3.2+				

Clinch Blind Nuts



Clinch blind nuts have an extended section which encloses the screw thread and prevents ingress of moisture and contamination into the component. They require the same hole size as standard clinch nuts.

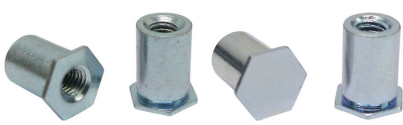
STEEL ZINC PLATED

Thread Size - Shank Code	Suitable Sheet Thickness	Hole Diameter	Max Body Diameter	Body Height	Min. dist' centre to edge
M3-1	1.0-1.4	4.25	6.35	9.6	4.8
M3-2	1.4+				
M4-1	1.0-1.4	5.4	7.95	11.2	6.9
M4-2	1.4+				
M5-1	1.0-1.4	6.4	8.75	11.2	7.1
M5-2	1.4+				
M6-1	1.4-2.3	8.75	11.1	14.3	8.6
M6-2	2.3+				

STAINLESS STEEL

Thread Size - Shank Code	Suitable Sheet Thickness	Hole Diameter	Max Body Diameter	Body Height	Min. dist' centre to edge
M3-1	1.0-1.4	4.25	6.35	9.6	4.8
M3-2	1.4+				
M4-1	1.0-1.4	5.4	7.95	11.2	6.9
M4-2	1.4+				
M5-1	1.0-1.4	6.4	8.75	11.2	7.1
M5-2	1.4+				
M6-1	1.4-2.3	8.75	11.1	14.3	8.6
M6-2	2.3+				

Through Hole & Blind Hole Clinch Standoffs



Stainless steel clinch standoffs are available in two grades, 303 grade stainless suitable for use in material up to HRB 70 hardness. Also a harder 400 series stainless material and are recommended for installation into stainless materials of up to HRB 88 hardness.

STEEL ZINC PLATED

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M2.5	4.2	4.1	1.0	6.0	6 to 10	6 to 18
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25
M5	7.2	7.1	1.3	8.0	6 to 20	6 to 20



STAINLESS STEEL

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25
M5	7.2	7.1	1.3	8.0	6 to 20	6 to 20

Special lengths can be made to order.

EXTRA HARD STAINLESS

Thread Size	Hole Diameter	Body Diameter	Minimum Sheet Thickness	Min. dist' centre to edge	Through Hole Length Range Available	Blind Hole Length Range Available
M3 (4.2)	4.2	4.1	1.0	6.8	3 to 20	6 to 25
M3 (5.4)	5.4	5.3	1.0	6.8	3 to 20	6 to 25
M4	7.2	7.1	1.3	8.0	4 to 25	6 to 25

Special lengths can be made to order.

Standard Length Sizes / mm

3	4	8	10	12	14	16	18	20	22	25
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Clinch Panel Fasteners



STAINLESS STEEL

Thread Size	Hole Size in Sheet	Minimum Sheet Thickness	Maximum Screw Protrusion From Body	Overall Height with Screw Tightened	Screw Head Diameter	Min. distance centre to edge
M3	6.75	1.5	6.4*	9.2	7.9	6.40
M4	7.95	1.5	7.9*	11.5	9.5	7.90
M5	8.75	1.5	7.9*	11.5	10.3	8.65
M6	10.5	1.5	9.5*	14.8	11.9	9.65

* Deduct the sheet thickness from this dimension for actual protrusion.