

Metal-Tack innovative marking and fastening system

A light and portable pneumatic system for fixing plates on machinery or bulky items. Works with a 4-6 bar pressure.



Metal-Tack fasteners were specifically developed to fasten lightweight parts such as nameplates and wiring clips to heavier metal products such as pumps, valves and machinery. They are attached quickly and permanently with no drilling or surface preparation. Permanently embedded fasteners hold up to 110kg. Metal-Tacks eliminate costly problems associated with other fastening methods. Adhesives are messy and may be less than permanent. Other fasteners require drilled holes and require perfect alignment between base metal and attachment. In addition, drilling holes may cause damage by drilling too deep and metal drill chips are difficult to completely clean up.



Metal-Tacks are manufactured from special steel alloys and stainless steel which are then heat treated and tempered so they are much harder and tougher than the material into which they are being driven. This process creates fasteners that can penetrate metal as hard as 62 HCR and requires a minimum thickness of 3mm. They may be used on metal as thinner than as 3mm if the metal is supported. They will fasten to steel, many grades of cast iron, stainless steel, brass, bronze and aluminum.

Metal-Tacks fasten nameplates on steel, aluminum and cast iron.

Twist-Tacks fasten plastic elements on aluminum hoses or extruded items.

Punch-pins fasten light loads on sheet.

Tack-Mounts fasten tie mount in a single operation.

Gripnails & Insul-Tacks mechanically fasten insulating sheet material.

PowerPoints fasten insulating material in the air shafts.

PROTEC

HOW TO CHOOSE METAL TACKS

Here below is a table to select the most suitable fastener, in consideration of the thickness of the plate, the hole diameter and supporting material.

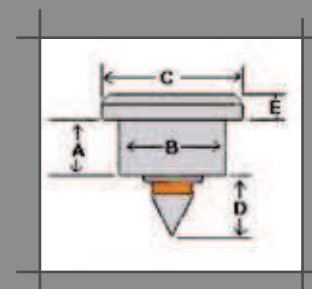
The dimensions are in millimeters. The plate to be fixed must have a thickness between the minimum and maximum of A size. The holes in the plate must be greater than B size and smaller than C.

Metal-Tack both with extended and small point are available, the small ones must be used on thin surfaces.

Series	For plate's thickness		For plate's holes		Codes Metal-Tacks			Diameter point B		Length point D
	from	to	from	to	Std.	SS	RDS			
Series 41* C=6,35	0,51	0,75	4,75	5,56	4136			3,78	4,45	2,69
	0,38	0,63	3,18	5,56	4164	4364		2,44	3,00	2,69
	0,75	1,02	3,99	5,56	4139	4339		2,64	3,48	2,69
	1,26	1,52	4,75	5,56	4156			3,12	4,45	2,69
	1,52	1,78	4,75	5,56	4148			2,64	4,17	2,69
	2,92	3,17	4,75	5,56	4106			2,64	4,52	2,69
Small point	0,25	0,51	2,77	5,56	4138			1,75	2,18	1,57
Series 31, 33, 34 C=4,76	0,25	0,51	2,77	3,96	3158	3358	3458	2,64		2,69
	0,51	0,76	2,77	3,96	3170	3370		2,64		2,69
	0,51	0,76	2,77	3,96	3161**			2,64		2,69
	0,76	1,02	2,77	3,96	3126	3326	3426	2,64		2,69
	1,27	1,52	2,77	3,96	3123			2,64		2,69
	1,52	1,78	2,77	3,96	3124			2,64		2,69
Small point	0,38	0,64	2,39	3,96	3155	3355		2,18		1,57
	0,76	1,02	2,39	3,96	3105	3305		2,18		1,57
Series 51 C=3,97	0,25	0,51	2,77	3,18	5158			2,64		2,69
	0,51	0,76	2,77	3,18	5170			2,64		2,69
	0,76	1,02	2,77	3,18	5126			2,64		2,69

* 41 Series has conical body

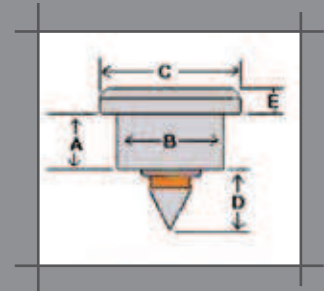
** 3161 has flat chamfered head



- 1) Flat chamfered head
- 2) B conical
- 3) Drilled
- 4) Stop-Tack

METAL-TACKS

Code	A	B	C	D	E
5126	0,76	2,76	4,00	2,95	1,01
5158	0,50	2,51	4,00	2,70	1,01
5170	0,76	2,51	4,00	2,70	1,01
3155	0,38	2,18	4,77	1,82	1,01
3158	0,50	2,51	4,77	2,69	1,01
3105	0,76	2,18	4,77	1,82	1,01
3130N	0,20	2,08	4,77	5,13	1,01 4)
3161	0,76	2,51	4,77	2,69	1,01 1)
3170	0,76	2,51	4,77	2,69	1,01
3126	0,76	2,77	4,77	2,69	1,01
3123	1,27	2,77	4,77	2,69	1,01
3124	1,52	2,77	4,77	2,69	1,01
4164	0,63	2,85/2,44	6,35	2,69	1,27
4136	0,78	4,45/3,79	6,35	2,69	1,27
4139	1,01	3,71/2,65	6,35	2,69	1,27 2)
4156	1,57	4,45/3,13	6,35	2,69	1,27
4148	1,82	4,55/2,65	6,35	2,69	1,27 2)
4106	3,17	4,45/2,54	6,35	2,69	1,27 2)
4162	0,25	2,64/2,51	6,35	2,69	5,72 3)
3358	0,50	2,51	4,77	2,69	1,01
3370	0,76	2,51	4,77	2,69	1,01
3326	0,76	2,77	4,77	2,69	1,01
4364	0,63	2,85/2,44	6,35	2,69	1,27
4339	1,01	3,71/2,65	6,35	2,69	1,27
3458	0,5	2,51	4,77	2,69	1,01
3426	0,76	2,77	4,77	2,69	1,01



- 1) Flat chamfered head
- 2) B conical
- 3) Drilled
- 4) Stop-Tack

STANDARD METAL TACKS
Zinc-plated and chromate carbon steel. Over 1200 hours salt spray test as per ASTM B117 norm. To be used on surfaces with hardness up to 55HRC.

STAINLESS METAL-TACKS
455 Carpenter stainless steel. To be used on surfaces with hardness up to 52 HRC and on stainless steel alloys.

RDS METAL-TACKS
Steel for tools. Zinc-plated and chrome for the standards. To be used on surfaces with hardness up to 62 HRC.

PROTEC

CODES AIR TOOL, MAGNETIC DRIVERS AND MAIN SPARES

In the following table you can find codes of the most used parts. We have especially tried help in choosing the magnetic drivers according to the Metal-Tacks needed.

A flat driver (universal) as well as female drivers suitable to hold the Metal-Tack are available.

For each magnetic driver you can find the matching Metal-Tacks series .

There are also magnetic drivers of different length for use where access is difficult.

Code	Description	
221	Amtack air tool	
42462	Carrying Case	
226	Universal magnetic driver	All Metal-Tacks
229	Magnetic Driver - Female	41 & 43 series excl. 4162
2292	Magnetic Driver - Female 2" length	41 & 43 series excl. 4162
2296	Magnetic Driver - Female 4" length	41 & 43 series excl. 4162
284	Magnetic Driver for drilled Metal-Tack	4162
228	Magnetic Driver - Female	31,33 & 34 series excl. 3161
2282	Magnetic Driver - Female 2" length	31,33 & 34 series excl. 3161
2286	Magnetic Driver - Female 4" length	31,33 & 34 series excl. 3161
227	Magnetic Driver for Metal-Tack w/chamfered head	3161
260	Magnetic Driver - Female	51 series
20248	Seal kit	
20380	Air Regulator Assembly	
30314	Piston Bumper	
30331	Driver Retainer	