

Tinnerman® PT Style Pushnuts & Applicator Tools

Inch and Metric

Écrous capuchons style PT et outils d'installation Tinnerman^{MD}

Pouce et Métrique

Tinnerman®

Sizes, Tooth Designs, Dimensions and Performance

PUSHNUTS "PT" Style

INCH SIZES

BOLT DIA.	SPAENAUR No.	DESIGN	DIMENSIONS			PERFORMANCE		PKG QTY.
			DIA. D	HGT. H	MATL. THICK.	PUSH-ON FORCE LBS. (Max.)	HOLDING STRENGTH LBS. (Min.)	
#6	177-H04-1P	3	11/32"	.047"	.010"	17	40	100
#10	177-061	3	7/16"	.065"	.012"	26	65	100
1/4"	177-H05-1Y	1	1/2"	.078"	.010"	17	65	100
3/8"	177-063	2	25/32"	.093"	.015"	38	150	100

METRIC SIZES

PUSHNUTS "PT" Style

mm	Spaenaur No.	Design	mm	mm	mm	Newtons	Newtons	PKG QTY.
M6	▲177-303MZ	1	12.7	1.91	.25	111.2	400.5	100
M6.3	177-304	1	12.7	1.98	.25	111.2	400.5	100
M8	177-H08-1T	1	15.9	2.08	.33	155.7	445.0	100
M10	■177-H03-1A	2	19.8	2.36	.38	155.7	667.5	100

▲ Mechanical Zinc Finish ■ 177-306MZ, Mechanical Zinc Finish

Applicator Tools for above PUSHNUTS listed below.

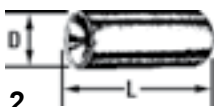
Tools for Tinnerman®

PKG QTY. 1

Design 1



Design 2



Design 4



SPAENAUR No. Tool	Fastener	Design No.	Overall Length L	Dia. D	Stud Clearance Depth
876-288	177-069	1	3/4"	7/16"	3/4"
876-289	177-070	2	3"	1/2"	1-1/2"
876-290	177-072	2	3"	5/8"	1-1/2"
876-287	177-077	1	3"	7/16"	1-1/4"
876-294		4	3"	1/2"	.635"

NOTE: Any tool will fit any fastener listed between same horizontal lines. See fasteners on next page. All tools have magnetized shanks.

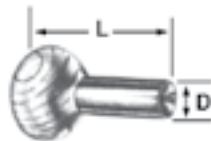
For more Pushnuts Tools, visit page C102

Pushnut® Tools / Nylon Retaining Washers

Inch and Metric

Outils Pushnut^{MD} / Rondelles de retenue en nylon

Pouce et Métrique



Tools - Outils

APPLICATORS FOR PUSHNUT BOLT RETAINERS

Not Tinnerman® brand.

Design 1
Magnetized Shank

INCH SIZES

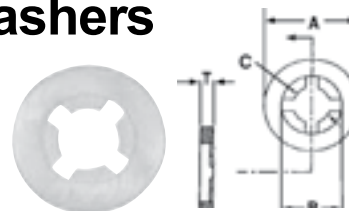
SPAENAUR No.	Use with Pushnut No.	Design No.	Overall Length	Bolt Clearance Depth	Diameter D	PKG QTY.
876-270	177-H04-1P	1	3"	1-1/4"	7/16"	1
876-272	177-061	1	3"	1-1/4"	1/2"	1
876-F41-1Y	177-H05-1Y	1	3-1/2"	1-7/8"	9/16"	1
876-274	177-062	1	3-1/2"	1-7/8"	11/16"	1
876-275	177-063	1	5-3/4"	1-7/8"	7/8"	1
876-277	177-065	1	6"	2-1/4"	1"	1

METRIC SIZES

876-272	177-302	1	76 mm	32 mm	13 mm	1
876-F41-1Y	177-303	1	89 mm	48 mm	14 mm	1
876-F41-1Y	177-304	1	89 mm	48 mm	14 mm	1
876-274	177-H08-1T	1	89 mm	48 mm	17.5 mm	1
876-275	177-H03-1A	1	146 mm	48 mm	22 mm	1
876-275		1	146 mm	48 mm	22 mm	1
876-277		1	152 mm	57 mm	25 mm	1

Standard Moulded Nylon Retaining Washers

Similar to a standard nylon flat washer, but with a specially configured I.D. designed to grip the outside of a screw shank. The washer will slide onto the screw easily, but is retained on the screw. For use in applications requiring pre-assembly of the screw and washer to reduce final assembly cost.



Tolerances: +/- .015

PKG QTY. 100

SPAENAUR No.	For Screw Size	A Outside Diameter	B Inside Diameter	C Inside Diameter to edge of teeth	T Thickness
177-400	#2	13/64"	.115"	.078"	.031"
177-401	#2	13/64"	.115"	.078"	.062"
177-402	#4	17/64"	.156"	.102"	.031"
177-403	#4	17/64"	.156"	.102"	.062"
177-404	#6	21/64"	.198"	.128"	.031"
177-405	#6	21/64"	.198"	.128"	.062"
177-H01-1M	#8	25/64"	.235"	.152"	.031"
177-407	#8	25/64"	.235"	.152"	.062"
177-408	#10	29/64"	.277"	.177"	.031"
177-409	#10	29/64"	.277"	.177"	.062"
177-410	1/4"	19/32"	.375"	.234"	.031"
177-411	1/4"	19/32"	.375"	.234"	.062"
177-412	5/16"	47/64"	.470"	.292"	.031"
177-413	5/16"	47/64"	.470"	.292"	.062"
177-414	3/8"	57/64"	.564"	.350"	.031"
177-415	3/8"	57/64"	.564"	.350"	.062"
177-416	7/16"	1-1/32"	.570"	.410"	.031"
177-417	7/16"	1-1/32"	.570"	.410"	.062"
177-418	1/2"	1-1/8"	.690"	.468"	.031"
177-419	1/2"	1-1/8"	.690"	.468"	.062"