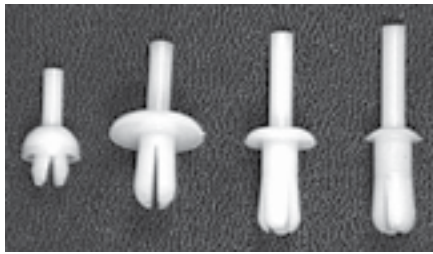


# Nylon Drive Rivets

Nylon, rivets à expansion



Inch  
Pouce

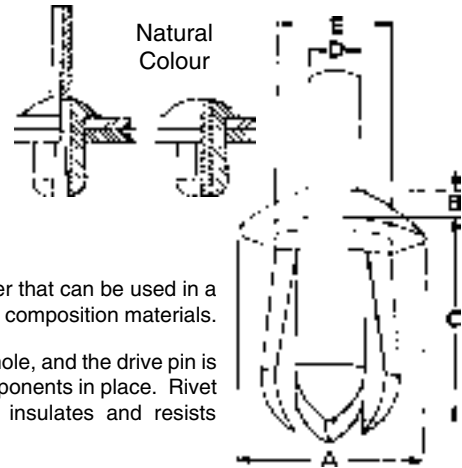


**- EASILY INSTALLED -**

**No special tools required  
...just a hammer**  
(Insertion tool available, see Next Page.)

**Tough! Nylon 6/6**

PKG QTY. 100



One-piece nylon blind rivets that offer a fast, economical, permanent hand-installed fastener that can be used in a wide variety of materials, including sheet metal, plastic sheets, fiberglass, P.C. boards, and composition materials.

Installation is made from one side of the work piece. The rivet is inserted in a pre-punched hole, and the drive pin is forced into the specially designed legs which expand and securely lock the assembled components in place. Rivet provides a secure joint even under extreme vibration conditions, while it electrically insulates and resists corrosion and cathodic transfer.

Approximate metric equivalent (mm) shown in brackets.

SPAENAUR No.	RIVET DIA. "E"	HOLE SIZE AND DRILL NUMBER	Panel Thickness Range	Head Style	Head Dia. "A"	Head Height "B"	Lock Length "C"	Pin Dia. "D"
305-001 305-C03-1P	.125 (3.18)	.123/.126 HSD-1/8	.031/.140 (0.79/3.56)	Round	.187 (4.75)	.047 (1.19)	.190 (4.83)	.075 (1.91)
.031/.140 (0.79/3.56)			Round	.218 (5.54)	.060 (1.52)	.225 (5.72)	.075 (1.91)	
305-003 305-004 305-005	.156 (3.96)	.154/.157 HSD - 5/32	.187/.250 (4.75/6.35)	Binder	.218 (5.54)	.050 (1.27)	.312 (7.92)	.093 (2.36)
.218/.312 (5.54/7.92)			Binder	.218 (5.54)	.050 (1.27)	.359 (9.12)	.093 (2.36)	
.218/.375 (5.54/9.53)			Binder	.218 (5.54)	.050 (1.27)	.421 (10.69)	.093 (2.36)	
305-006	.182 (4.62)	.180/.183 HSD - 14	.130/.290 (3.30/7.37)	Truss	.280 (7.11)	.050 (1.27)	.380 (9.65)	.120 (3.05)
305-007 305-008 305-009	.187 (4.75)	.185/.188 HSD - 3/16	.062/.125 (1.57/3.18)	Round	.281 (7.14)	.075 (1.91)	.230 (5.84)	.125 (3.18)
.062/.125 (1.57/3.18)			Binder	.430 (10.92)	.120 (3.05)	.218 (5.54)	.125 (3.18)	
.062/.187 (1.57/4.75)			Round	.375 (9.53)	.080 (2.03)	.281 (7.14)	.125 (3.18)	
.062/.187 (1.57/4.75)			Round	.375 (9.53)	.080 (2.03)	.295 (7.49)	.125 (3.18)	
.125/.187 (1.57/4.75)			Truss	.437 (11.10)	.075 (1.91)	.281 (7.14)	.125 (3.18)	
.062/.187 (1.57/4.75)			Truss	.437 (11.10)	.075 (1.91)	.295 (7.49)	.125 (3.18)	
.062/.187 (1.57/4.75)			Round	.281 (7.14)	.075 (1.91)	.295 (7.49)	.125 (3.18)	
.062/.187 (1.57/4.75)			Truss	.437 (11.10)	.075 (1.91)	.295 (7.49)	.125 (3.18)	
.062/.187 (1.57/4.75)			Truss	.281 (7.14)	.050 (1.27)	.296 (7.52)	.125 (3.18)	
.078/.375 (1.98/9.53)			Round	.281 (7.14)	.047 (1.19)	.450 (11.43)	.125 (3.18)	
.078/.375 (1.98/9.53)			Binder	.312 (7.92)	.062 (1.57)	.450 (11.43)	.125 (3.18)	
.078/.375 (1.98/9.53)			Round	.320 (8.13)	.109 (2.77)	.455 (11.56)	.125 (3.18)	
305-020 305-021 305-022	.187 (4.75)	.185/.188 HSD - 3/16	.156/.281 (3.96/7.14)	Round	.375 (9.53)	.080 (2.03)	.380 (9.65)	.125 (3.18)
.156/.281 (3.96/7.14)			Truss	.430 (10.92)	.075 (1.91)	.380 (9.65)	.125 (3.18)	
.156/.281 (3.96/7.14)			Truss	.437 (11.10)	.075 (1.91)	.380 (9.65)	.125 (3.18)	
305-023 305-026 305-027	.187 (4.75)	.185/.188 HSD - 3/16	.312/.440 (7.92/11.18)	Binder	.281 (7.14)	.075 (1.91)	.535 (13.59)	.125 (3.18)
.375/.500 (9.53/12.70)			Binder	.312 (7.92)	.062 (1.57)	.609 (15.47)	.125 (3.18)	
.375/.500 (9.53/12.70)			Round	.320 (8.13)	.109 (2.77)	.609 (15.47)	.125 (3.18)	
305-028 305-029	.187 (4.75)	.185/.188 HSD - 3/16	.375/.500 (9.53/12.70)	Binder	.281 (7.14)	.080 (2.03)	.625 (15.88)	.125 (3.18)
.375/.750 (9.53/19.05)			Round	.320 (8.13)	.109 (2.77)	.850 (21.59)	.125 (3.18)	
305-030 305-031 305-032 305-033	.218 (5.54)	.216/.219 HSD - 7/32	.031/.062 (0.79/1.57)	Button	.375 (9.53)	.223 (5.66)	.170 (4.32)	.125 (3.18)
.093/.350 (2.36/9.53)			Round	.370 (9.40)	.080 (2.03)	.450 (11.43)	.120 (3.05)	
.094/.312 (2.39/7.92)			Binder	.437 (11.10)	.100 (2.54)	.464 (11.79)	.125 (3.18)	
.187/.250 (4.75/6.35)			Truss	.370 (9.40)	.080 (2.03)	.343 (8.71)	.120 (3.05)	
305-034 305-035	.226 (5.74)	.221/.226 HSD - 2	.125/.312 (3.18/7.92)	Round	.375 (9.53)	.080 (2.03)	.468 (11.43)	.125 (3.18)
.125/.312 (3.18/7.92)			Truss	.437 (11.10)	.075 (1.91)	.468 (11.43)	.125 (3.18)	
305-036 305-037 305-038	.250 (6.35)	.248/.251 HSD -1/4	.093/.312 (2.36/7.92)	Binder	.468 (11.89)	.080 (2.03)	.500 (12.70)	.150 (3.81)
.093/.312 (2.36/7.92)			Truss	.468 (11.89)	.080 (2.03)	.500 (12.70)	.150 (3.81)	
.093/.312 (2.36/7.92)			Binder	.625 (15.88)	.109 (2.77)	.500 (12.70)	.150 (3.81)	
305-039 305-041 305-042 305-043	.250 (6.35)	.248/.251 HSD -1/4	.156/.330 (3.96/8.38)	Binder	.468 (11.89)	.080 (2.03)	.375 (9.53)	.150 (3.81)
.281/.500 (7.14/12.70)			Binder	.468 (11.89)	.080 (2.03)	.620 (15.75)	.150 (3.81)	
.281/.500 (7.14/12.70)			Truss	.468 (11.89)	.080 (2.03)	.620 (15.75)	.150 (3.81)	
.281/.500 (7.14/12.70)			Binder	.625 (15.88)	.109 (2.77)	.620 (15.75)	.150 (3.81)	
305-044	.275 (6.99)	.272/.275 (Drill No.) 875-180	.093/.350 (2.36/8.89)	Binder	.620 (15.75)	.109 (2.77)	.480 (12.19)	.150 (3.81)

Inch

Pouce



Rivet Installation Tools

Outils d'installation de rivets

## Nylon Poly Drive Rivet Insertion Tool

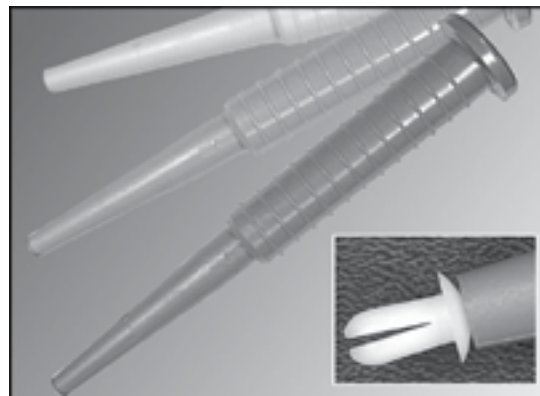
This tough, lightweight drive rivet insertion tool makes the assembly of nylon drive rivets even more economical! This tool provides faster assembly and more accurate placement and positioning in those hard-to-reach areas. A large plunger head and easy-grip handle reduces operator fatigue.

The rivets do not have to be pre-driven! The rivet is loaded into the tool and then inserted into the prepared hole. Quick pressure on the plunger by the operator frees the pin and expands the rivet in the assembly.

Three sizes are available colour coded to cover all standard drive rivets.

SPAENAUR No.	Rivet Pin Size	Colour
876-854	.075" (1.9 mm)	Red
876-855	.125" (3.1 mm)	Yellow
876-856	.150" (3.8 mm)	Green

PKG QTY. 1



## Tolerances and Quality of Injection Molded Nylon Screws

Micro Plastics' molded nylon components are accurately molded of Type 6/6 Nylon. They are tough, resistant to corrosion, light weight, and good electrical insulators. Nylon components conform to irregular surfaces, provide vibration dampening, and offer an inexpensive alternative to more expensive metal parts. Molded threads approximate UNC/UNF 2A and 2B. Metric approximate 6g/6H.

Tolerances are held to Industrial Fasteners Institute Standards for inch and metric screws. However, it is often more sensible to try samples or small order quantities before changing from one product to another. Plastic molding has varying degrees of quality. It often involves small amounts of flash, knockout pin marks, gates, sinks, and other slight imperfections. Screws and bolts are gated on the threaded end. It is possible for the gate to leave an extra projection of up to .025".

Nylon screws have been available for many years commercially. They are either machined on a screw machine or injection molded. The machined parts are made from extruded nylon rod stock and can be held to relatively close tolerances during the machining process. Nylon, however, has the unfortunate property of absorbing moisture from its environment which causes significant changes in its dimensions. So even though parts may have been accurately machined, a moist atmosphere can cause fit problems. Conversely, parts that have been moisture conditioned "lose" moisture causing dimensional problems. If the overall length of a screw grows, it obviously affects the threads per inch thus causing a tight fit. Changes in the moisture content can also have an effect on the outside diameter, pitch diameter, and the root diameter.