

ARCOLI®

CALIDAD A LA FIJA



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LOG

OF PRODUCTS



FASTENING



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GENERAL **INFORMATION**

ARCOLI is a metalworking company dedicated to the manufacturing of fastening elements (such as: blind rivets, solid rivets, semi-tubular rivets, rivets with and without washer, hexagonal screws and carriage bolts.

We also offer drawn aluminum wires tailored to our customers' required specifications) as well as aluminum profile extrusion.

With over 42 years of experience and tradition, we are confident in delivering the highest quality products at fair prices and within the timeframes required by our customers.

BLIND RIVETS



USES

Standard blind rivet: Used in windows framing, ladders, drop ceilings, bus bodywork, and general aluminum locksmithing.

Steel-steel blind rivet: Used in applications requiring higher strength such as bodywork, as well as certain mechanical structures and constructions.

Aluminum – Aluminum blind rivet: Used in lightweight applications and environments where corrosion must be avoided, such as laboratory instruments and, in general, where exposure to humid conditions is expected.

Countersunk head blind rivet: Offers the same strength as a standard blind rivet. It is used in applications such as hinges and modular kitchens, where the rivet head needs to be flush with the application Surface.

Large head blind rivet (Wide flange): Used in materials such as fibers, tarps, straps, conveyor belts, synthetic materials, and fiber-to-fiber applications, where the rivet head provides greater fastening strength.

MODULAR KITCHENS



TARP



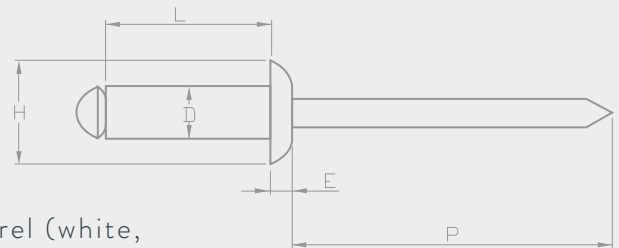
BLIND RIVETS



Manufactured in aluminum and steel, available in the following range.

Standard blind rivets

- Blind rivets with aluminum body – steel mandrel.
- Colored blind rivets with aluminum body – Steel mandrel (white, brown, black, dark brown).



Special blind rivets

- Blind rivets with steel body – steel mandrel.
- Blind rivets aluminum body – aluminum mandrel.
- Countersunk head blind rivets.
- Large head blind rivets (wide flange).

DIMENSIONS AND STRENGTHS

SERIE No.	DIAM.	BODY DIAMETER		TYPE 1: REGULAR HEAD			TYPE 2: WIDE FLANGE HEAD			MANDREL LENGTH		MINIMUM STRENGTH (LBS)	
		D		H		E	H		E	P		TRACCIÓN	CIZALLA
		MAX	MIN	MAX	MIN	MAX	MAX	MIN	MAX	MIN	MAX		
No. 3	3/32 0.093	0.096	0.090	0.198	0.178	0.032	0.293	0.269	0.040	1.250		80	70
No. 4	1/8 0.125	0.128	0.122	0.262	0.238	0.040	0.390	0.360	0.065	1.250		150	120
No. 5	5/32 0.156	0.159	0.153	0.328	0.296	0.050	0.488	0.448	0.075	1.250		230	190
No. 6	3/16 0.187	0.191	0.183	0.394	0.356	0.060	0.650	0.600	0.092	1.250		320	260
No. 8	1/4 0.250	0.255	0.246	0.525	0.475	0.080	0.780	0.720	0.107	1.250		560	460

*Dimensions are in thousandths of an inch.

*Military sales unit.

APPLICATIONS

SERIES No.	DIAM.	DRILL SIZE	HOLE SIZE		RIVET No.	IN INCH FRACTION	GRIP RANGE	BODY LENGTH (L)
			MAX	MIN				MAX
No. 3	3/32 0.093"	No. 41 0.096" 2.44 mm	0.100	0.097	3 - 2 3 - 4 3 - 6	3/32 * 1/4 3/32 * 3/8 3/32 * 1/2	1/64 - 1/8 1/8 - 1/4 1/4 - 3/8	0.235 0.350 0.475
No. 4	1/8 0.125	No. 30 0.128" 3.3 mm	0.133	0.129	4 - 2 4 - 3 4 - 4 4 - 5 4 - 6 4 - 8 4 - 10	1/8 * 1/4 1/8 * 5/16 1/8 * 3/8 1/8 * 7/16 1/8 * 1/2 1/8 * 5/8 1/8 * 3/4	1/16 - 1/8 1/8 - 3/16 3/16 - 1/4 1/4 - 5/16 5/16 - 3/8 3/8 - 1/2 1/2 - 5/8	0.255 0.320 0.380 0.445 0.505 0.630 0.755
No. 5	5/32 0.156	No. 20 0.161" 4.1 mm	0.164	0.160	5 - 2 5 - 3 5 - 4 5 - 6 5 - 8 5 - 10	5/32 * 1/4 5/32 * 5/16 5/32 * 3/8 5/32 * 1/2 5/32 * 5/8 5/32 * 3/4	1/16 - 1/8 1/8 - 3/16 3/16 - 1/4 1/4 - 3/8 3/8 - 1/2 1/2 - 5/8	0.280 0.345 0.405 0.530 0.655 0.760
No. 6	3/16 0.187	No. 11 1.191" 4.9 mm	0.196	0.192	6 - 2 6 - 3 6 - 4 6 - 6 6 - 8 6 - 10 6 - 12 6 - 14 6 - 15	3/16 * 1/4 3/16 * 5/16 3/16 * 3/8 3/16 * 1/2 3/16 * 5/8 3/16 * 3/4 3/16 * 15/16 3/16 * 1-1/16 3/16 * 1-1/8	1/16 - 1/8 1/8 - 3/16 3/16 - 1/4 1/4 - 3/8 3/8 - 1/2 1/2 - 5/8 5/8 - 3/4 3/4 - 7/8 7/8 - 15/16	0.305 0.360 0.425 0.550 0.675 0.775 0.943 1.069 1.125
No. 8	1/4 0.250	F 0.257" 6.5 mm	0.261	0.257	8 - 4 8 - 6 8 - 8 8 - 10	1/4 * 1/2 1/4 * 5/8 1/4 * 3/4 1/4 * 7/8	1/8 - 1/4 1/4 - 3/8 3/8 - 1/2 1/2 - 5/8	0.505 0.630 0.750 0.875

SOLID RIVETS



USES

Used in bodywork industry, cargo vehicle tarps, ladders, cookware, and aluminum locksmithing, among others.

Manufactured from materials such as aluminum and steel. ARCOLI has the capability to manufacture:

- Solid rivets with brazier head
- Round head solid rivets
- Flat head solid rivets
- Countersunk head solid rivets
- Rivets with washers
- Special solid rivets

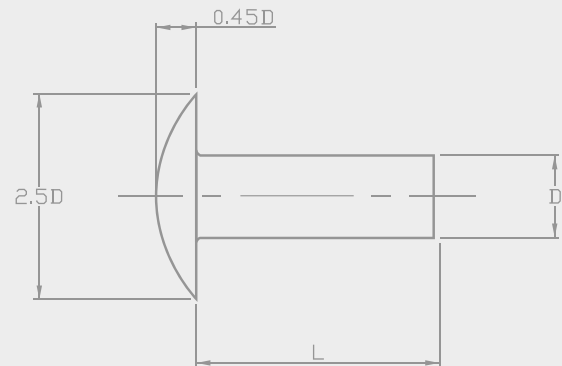




SOLID RIVETS WITH BRAZIER HEAD

Manufactured from 1100 (2S) alloy aluminum, H16 temper, for cold riveting applications, with medium mechanical strength (31.5 Kpsi), high mechanical strength (5052), and good corrosion resistance.

ARCOLI has the capability to supply any special design within the diameters and lengths specified in the following table.



Sales Unit: Kg.

DIAMETER

LENGTH

3/32"	1/8"	9/64"	5/32"	3/16"	1/4"
3/16" (10000)	3/16" (4450)				
1/4" (8064)	1/4" (3846)		1/4" (2212)	1/4" (1301)	1/4" (756)
	5/16" (3289)	5/16" (2515)	5/16" (2010)		
	3/8" (2890)	3/8" (2290)	3/8" (1800)	3/8" (1096)	3/8" (593)
	1/2" (2415)	7/16" (2100)	1/2" (1519)	1/2" (998)	1/2" (504)
	5/8" (2155)		5/8" (1291)	5/8" (847)	5/8" (443)
	3/4" (1886)		3/4" (1200)	3/4" (729)	3/4" (401)
	1" (1538)		1" (936)	1" (602)	1" (317)
				1 1/4" (504)	1 1/4" (275)
				1 1/2" (450)	1 1/2" (242)
				1 3/4" (398)	1 3/4" (202)
				2" (344)	2" (164)

* The dimensions are in fractional inches. The number in parentheses corresponds to the units per kilogram and may vary by $\pm 2.5\%$.

Diameter from 3/32" (2.38 mm) to 3/8" (9.52 mm).
Length from 1/8" (3.17 mm) to 5" (127.00 mm).



BELT RIVETS AND BURRS

USES

Used in the tarp industry, leather goods manufacturing, and saddlery in general.





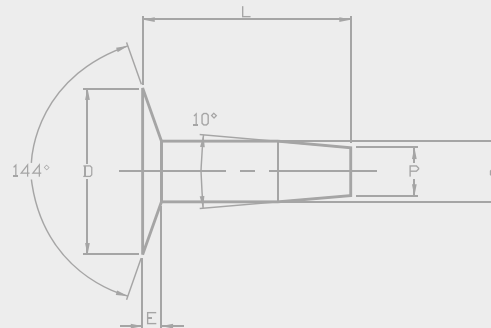
BELT RIVERS AND BURRS

Manufactured with similar design and characteristics to brazier head solid rivets.

Upon request, they can be supplied in high-strength alloy as a replacement for copper rivets, offering the advantage of a higher unit count per kilogram.

RIVET LENGTHS AND QUANTITIES

No. 8		No. 10	
3/8"	(376)	3/8"	(641)
1/2"	(361)	1/2"	(604)
5/8"	(322)	5/8"	(538)
3/4"	(302)	3/4"	(494)
7/8"	(267)	7/8"	(451)
1"	(250)	1"	(407)



WASHER DIMENSIONS

REF	D	d	E	P
N° 8	0.500	0.182	0.068	0.147
N° 10	0.438	0.141	0.06	0.123

Dimensions are in thousandths of an inch.

The dimensions are in fractional inches. The number in parentheses corresponds to the units per kilogram and may vary by $\pm 2.5\%$.

Sales unit: U.S. pound (460 grams).

SEMI-TUBULAR RIVETS



USES

Used by metalworking and refrigeration industries, as well as manufacturers of electrical components, ladders, toys, vehicle assembly lines, and automotive spare parts.

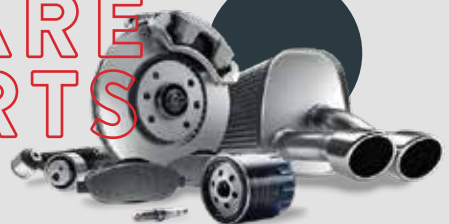
Manufactured from materials such as aluminum, copper, brass, and steel. ARCOLI has the capability to manufacture:

- Standard semi-tubular rivets
- Flat head semi-tubular rivets
- Semi-tubular rivets with extrusion variations
- R-series semi-tubular rivets
- Semi-tubular rivets for brake bands
- Special semi-tubular rivets

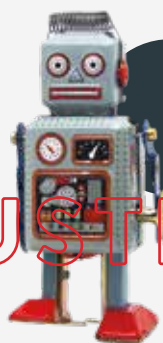
LAD
DERS



SPARE
PARTS



TOY
INDUSTRY

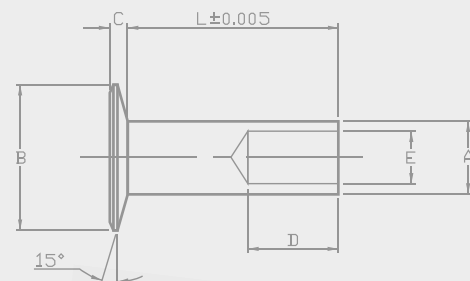




BREAK AND CLUTCH BAND SEMI-TUBULAR RIVETS

REFERENCE	A	B	C	D			E
BANDAS No. 3	0.145 0.141	0.301 0.291	0.042 0.038	<3/16" 0.120			0.103 0.099
BANDAS No. 4	0.145 0.141	0.301 0.291	0.042 0.038	<3/16" 0.120	>1/4" 0.141		0.103 0.099
BANDAS No. 5	0.145 0.141	0.364 0.354	0.049 0.043	<3/16" 0.120	>1/4" 0.141		0.103 0.099
BANDAS No. 7	0.186 0.182	0.364 0.354	0.049 0.043	<3/16" 0.120	<1/4" 0.155	>5/16" 0.187	0.140 0.136
BANDAS No. 8	0.186 0.182	0.472 0.460	0.068 0.060	<3/16" 0.120	<1/4" 0.155	>5/16" 0.187	0.140 0.136
BANDAS No. 10	0.248 0.244	0.472 0.460	0.068 0.060	<1/4" 0.155	<5/16" 0.187	>3/8" 0.250	0.182 0.178

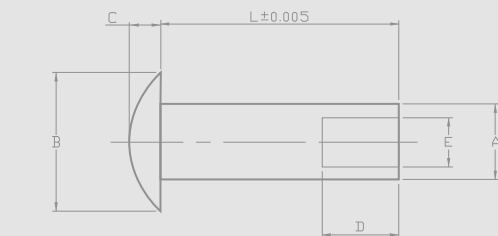
Dimensions are in thousandths of an inch.
Military sales unit.



TRUSS HEAD SEMI-TUBULAR RIVETS [SERIE R]

REFERENCE	A	B	C	D	E
R-3487 (3/32")	0.098 0.095	0.191 0.186	0.034 0.030	0.072 0.062	0.070 0.066
R-3479 (1/8")	0.121 0.118	0.221 0.215	0.034 0.030	0.098 0.088	0.090 0.086
R-3312 (9/64")	0.145 0.141	0.315 0.308	0.048 0.044	0.130 0.120	0.103 0.099
R-3273 (5/32")	0.157 0.154	0.315 0.308	0.065 0.060	0.130 0.120	0.108 0.104
R-3220 (3/16")	0.187 0.182	0.381 0.370	0.068 0.062	0.161 0.151	0.140 0.136
R-3241 (1/4")	0.248 0.242	0.442 0.435	0.099 0.091	0.192 0.182	0.177 0.173

Dimensions are in thousandths of an inch.
Military sales unit.

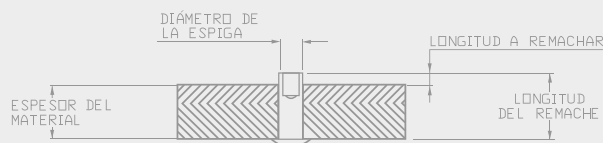




APPROPRIATE LENGTH SECTION

RIVET LENGTH

The length is measured from beneath the head and corresponds to the sum of the material thickness and the length to be riveted.



LENGTH TO BE RIVETED

Is approximately 60% of the mandrel diameter.

REFERENCE	R- 3487 (3/32")	R- 3479 (1/8")	R- 3312 (9/64")	R- 3273 (5/32")	R- 3220 (3/16")	R- 3241 (1/4")
MANDREL DIAMETER	0.095	0.118	0.141	0.154	0.182	0.242
LENGTH TO BE RIVETED	0.057	0.070	0.084	0.092	0.109	0.145

*Dimensions are in thousandths of an inch.

EXAMPLE

Material thickness: 0.500
Mandrel diameter: 0.182
Length to be riveted: $0.182 \times 0.60 = 0.109$

Material thickness: 0.500
Length to be riveted: 0.109
Rivet length: ~~0.609~~

The closest standard length is recommended: $3/16 \times 0.625 \rightarrow R- 3220 \times 5/8$

OTHER PRODUCTS

POST
RIVETS



Available in aluminum and Steel.

WA
SHERS



Available in aluminum.

PINS
AND
FASTENERS



Manufactured in steel and aluminum,
up to 5" in length.

HEXAGONAL SCREW



Hexagonal screws meet the mechanical properties of a G2 screw according to ANSI/ASME/NTC-858-2 standards, with a tensile strength of 74.000 lbs./pulg2 (psi).

Available diameters: 1/4", 5/16", 3/8"; lengths from 1/2" to 5".

Minimum thread length: 2".

Upon request, threading available up to 5" (for 1/4" and 5/16" sizes).

Finish: Black or galvanized.

Sales unit: per thousand.*

CARRIAGE BOLT



Carriage bolts meet the mechanical properties of a G1 screw according to ANSI/ASME standards, with a minimum tensile strength of 60.000 lbs./pulg²(psi).

Available diameters: 1/4", 5/16", 3/8"; lengths from 1/2" to 5". Minimum thread length: 2".

Finish: Black or galvanized.

Sales unit: per thousand.*

OTHER SPECIAL SCREWS



MANUFACTURED IN STEEL AND ALUMINUM

- Battery Terminal Screw 5/16 x 1-1/4
- Countersunk Screw for Bed Clamp 3/8-16
- Aluminum Screws for Pot Lids
- Clamp Screws
- Drive Screws
- Metric Screws
- Anchor Bolt Screws

ALUMINUM WIRE



Arcoli S.A.S. offers aluminum wire in low-strength alloy: 1100 (2S) and medium-strength alloys: 5052, 5154, and 5056, available in diameters ranging from (0.375) 3/8" to (0.093) 3/32".

Diameter tolerance is $\pm 0.001''$ (0.02 mm).

Presentation: Coils of approximately 30 to 40 kilograms each. Information on chemical composition and metallographic analysis is available upon request.



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Carrera 85 # 63-1, barrio Robledo Med-Col

