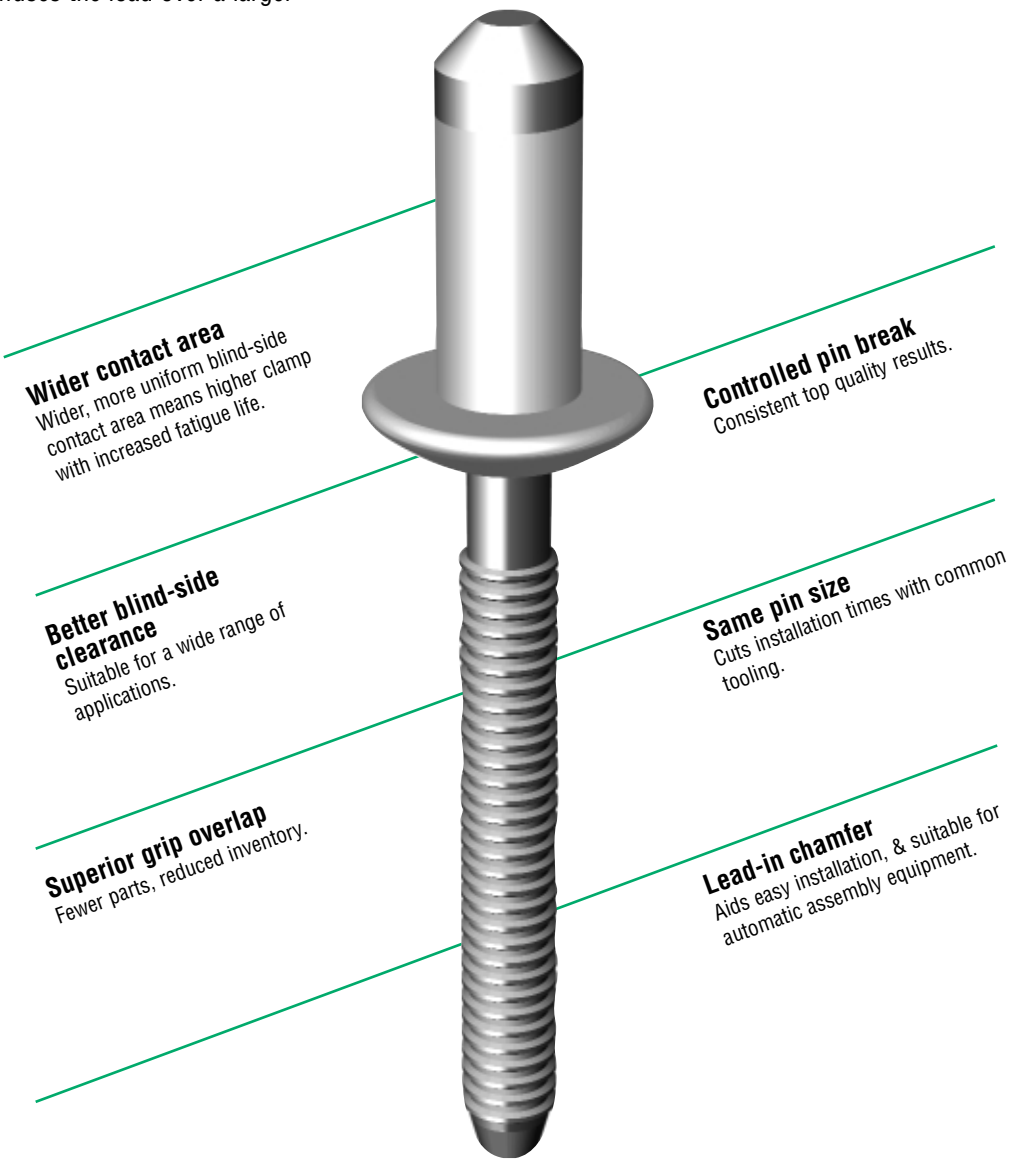
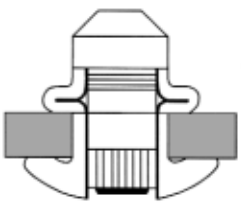
Autobulb® Blind Fastener

The Auto-Bulb fastener is designed to fulfil a market need for a high clamp blind fastener, for thin sheet applications. Large diameter head and broad bulb spread diffuses the load over a larger area.





APPLICATIONS

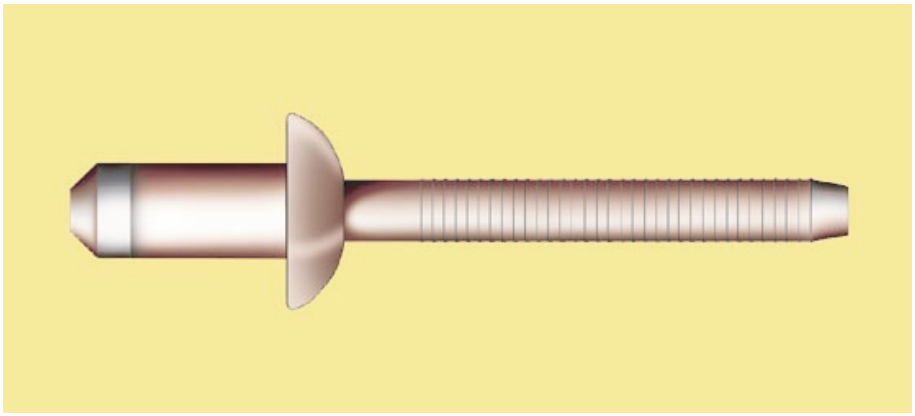
■ Automotive ■ Commercial vehicle bodies ■ Trailers ■ Buses ■ Trains ■ General sheet metal fabrication

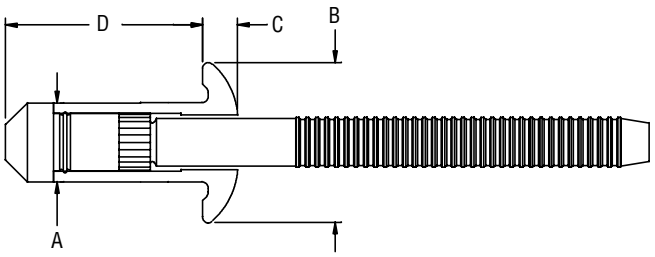
Autobulb® Blind Fastener

UNI-BIS industry solutions
UNI-BIS Sp. z o.o.
Dystrybutor
ul. Osiedle Leśne 1a
84-300 Lębork, Polska
tel/fax: +48 59 8631417
e-mail: biuro@uni-bis.com
www.uni-bis.com

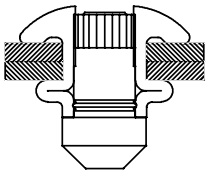
Auto-Bulb® Blind Fastener

The Auto-Bulb® fastener provides a large diameter head and broad bulb spread that diffuses the load over a larger area, ensuring permanent clamp. This unique fastener also offers a tapered hole-seeking tip, which provides for quick and easy installation.

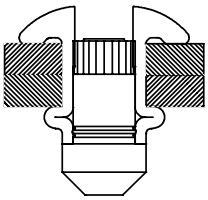




Min. Grip



Max. Grip



Specifications

Dia. *(No.)*	Part No.	Grip Range	D max
4.76mm (3/16") *(6)*	ABP-R6-M2	19.05-2.79mm (0.075"-0.110")	11.96mm (0.471")
Hole Size= 4.85-5.11mm (0.191"-0.201")	ABP-R6-M3	22.12-3.81mm (0.087"-0.150")	12.95mm (0.510")
A nom= 4.83mm (0.190")	ABP-R6-M4	3.20-4.80mm (0.126"-0.189")	13.97mm (0.550")
B max= 9.53mm (0.375")	ABP-R6-M5	4.19-5.79mm (0.165"-0.228")	14.96mm (0.589")
C max= 2.57mm (0.101")	ABP-R6-M6	5.21-6.81mm (0.205"-0.268")	15.98mm (0.629")
	ABP-R6-M7	6.20-7.80mm (0.244"-0.307")	16.97mm (0.668")
	ABP-R6-M8	7.19-8.81mm (0.283"-0.347")	17.98mm (0.708")
	ABP-R6-M9	8.20-9.80mm (0.323"-0.386")	18.97mm (0.747")
	ABP-R6-M10	9.19-10.80mm (0.362"-0.425")	19.99mm (0.787")
	ABP-R6-M11	10.21-11.81mm (0.402"-0.465")	20.98mm (0.826")
	ABP-R6-M12	11.20-12.75mm (0.441"-0.502")	22.00mm (0.866")
	ABP-R6-M13	12.22-13.82mm (0.481"-0.544")	22.99mm (0.905")
	ABP-R6-M14	13.21-14.81mm (0.520"-0.583")	24.00mm (0.945")
	ABP-R6-M15	14.22-15.82mm (0.560"-0.623")	24.99mm (0.984")
	ABP-R6-M16	15.21-16.81mm (0.599"-0.662")	26.01mm (1.024")
	ABP-R6-M17	16.23-17.83mm (0.639"-0.702")	27.00mm (1.063")
	ABP-R6-M18	17.22-18.82mm (0.678"-0.741")	28.02mm (1.103")

Specifications

Dia. *(No.)*	Part No.	Grip Range	D max
6.35mm (1/4") *(8)*	**ABP-R8-M2**	1.52-3.51mm (0.060"-0.138")	15.80mm (0.622")
Hole Size= 6.63-6.91mm (0.261"-0.272")	**ABP-R8-M3**	2.79-4.80mm (0.110"-0.189")	17.09mm (0.673")
A nom= 6.60mm (0.260")	**ABP-R8-M4**	3.81-5.82mm (0.150"-0.229")	18.11mm (0.713")
B max= 13.00mm (0.512")	**ABP-R8-M5**	4.80-6.81mm (0.189"-0.268")	19.10mm (0.752")
C max= 2.84mm (0.112")	**ABP-R8-M6**	5.82-7.82mm (0.229"-0.308")	20.12mm (0.792")
	ABP-R8-M7	6.81-8.79mm (0.268"-0.346")	21.11mm (0.831")
	ABP-R8-M8	7.82-9.83mm (0.308"-0.387")	22.12mm (0.871")
	ABP-R8-M9	8.79-10.80mm (0.346"-0.425")	23.11mm (0.910")
	ABP-R8-M10	9.83-11.84mm (0.387"-0.466")	24.13mm (0.950")
	ABP-R8-M19	18.82-20.83mm (0.741"-0.820")	33.15mm (1.305")

Auto-Bulb® Blind Fastener

Typical Installed Values in Nominal Grip N

Dia.	Shear	Tensile	Pin Retention
4.76mm (3/16")	5340	3780	670
6.35mm (1/4")	11570	7120	1330

Material and Finish

Dia.	Material	Finish
Sleeve	Steel	Zinc Plated Gold Chromate
Pin	Steel	Zinc Plated Gold Dichromate

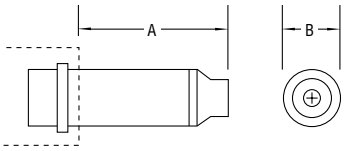


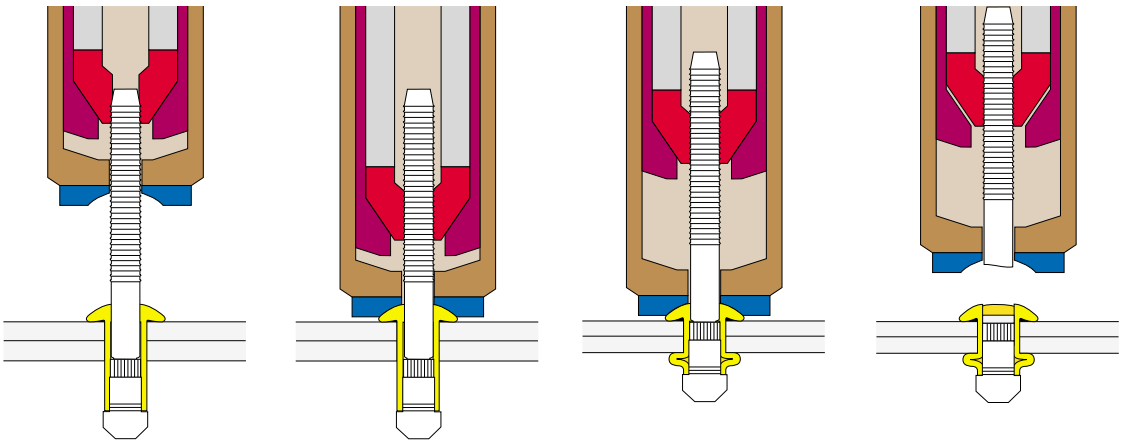
FIG 1

Code	Diameter	Nose Ass.	Fig.	A mm	B mm	C mm	D mm	Pneumatic Tooling	Hydraulic Tooling
6	4.8 mm (3/16")	99-3300	1	49.3	19.1	-	-	2025 / 2025V / **LH-224**	2480
		99-3303	1	55.9	19.1	-	-	2025 / 2025V / **LH-224**	2480
		99-3303L	1	55.9	19.1	-	-	**2025L**	**2480L**
		99-3304	1	157.5	19.1	-	-	2025 / 2025V / **LH-224**	2480
		Nose Assembly integral with Tool						**241E**	-
8	6.4 mm (1/4")	99-3301	1	49.3	19.1	-	-	2025 / 2025V / **LH-224**	2480
		99-3305	1	50.1	19.1	-	-	2025 / 2025V / **LH-224**	2480
		99-3305L	1	50.1	19.1	-	-	**2025L**	**2480L**
		99-3306	1	157.5	19.1	-	-	2025 / 2025V / **LH-224**	2480
		Nose Assembly integral with Tool						**241E**	-

Items in **bold** are part of our FOCUS Tooling Range

Note: Other tool and nose assembly combinations may be available for specific applications. Please contact Huck for details.

Installation Sequence



Click Here to view animation of installation sequence

Auto-Bulb® Blind Fastener