

# Monobolt®

Multi-grip structural breakstem fasteners providing a fully sealed joint and visible lock.



## Key features and benefits

- Excellent hole fill via radially expanded body provides very strong, vibration resistant joints and compensates for irregular, oversized, slotted or misaligned holes
- Good sheet take-up performance for large gap closing capability
- Stem mechanically locked into body avoids damage, electrical problems or rattling caused by loose stems
- Multi-grip capability
- High shear and tensile strength
- Visible lock for quick and easy inspection

## Specifications

Sizes:

3/16" – 3/8"  
(4.8 mm – 10 mm)

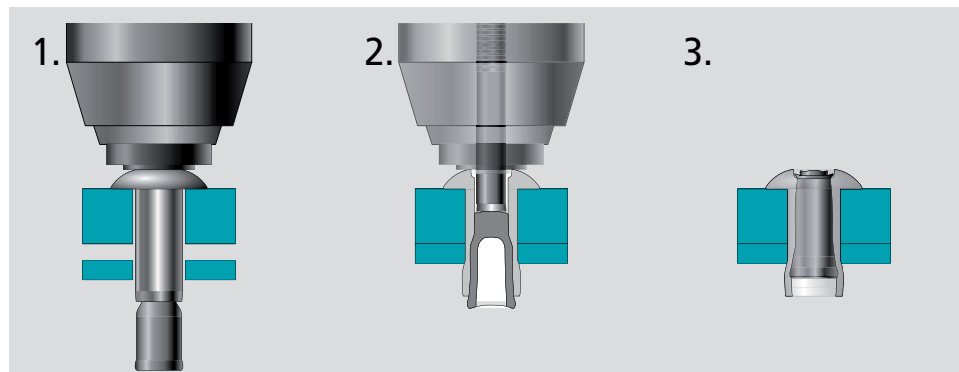
Materials:

Aluminum, Steel,  
Stainless Steel

Head Styles:

Protruding, Countersunk

## Typical placing sequence



Please visit our website for fastener placing animations and technical data.

## Assembly applications

- Automotive
- Cabinets and enclosures
- Commercial vehicles
- Domestic appliances
- Heating and ventilation

Car chassis



Column tail lifts



Product cooler



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Angic Global Solutions

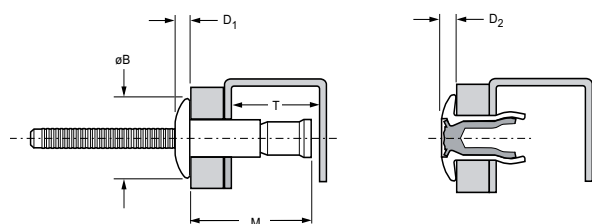
1-888-872-0690

<https://www.AngicGlobal.com> [Sales@AngicGlobal.com](mailto:Sales@AngicGlobal.com)



English	Français	Deutsch	Italiano	Español
Protruding head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Aluminum alloy* (5 % Mg) Polished	Corps: Alliage d'aluminium* (5% Mg) Poli	Hülse: Aluminium* (5 % Mg) Poliert	Corpo: Lega di alluminio* (5% Mg) Lucido	Cuerpo: Aluminio* (5% Mg) Pulido
Stem: Aluminum alloy** Natural	Tige: Alliage d'aluminium** Brut	Dorn: Aluminium** Unbehandelt	Gambo: Lega di alluminio** Nessuna finitura	Vástago: Aluminio** Natural

\*: BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555  
 \*\*: BS 1473 2014A DIN 1725 AlCuSiMn Werkstoff 3.1255



ø nom.	[Cross-section diagram]		[Cross-section diagram]		M max.	øB max.	D <sub>1</sub> max.	T min.	D <sub>2</sub> max.	[Locking diagram]	[Locking diagram]	Part No.
	min.	max.	min.	max.								
3/16" (4.8)	.064 (1.63)	.270 (6.86)	.193 (4.9)	.200 (5.1)	.721 (18.4)	.395 (10.1)	.083 (2.1)	.410 (10.5)	.073 (1.9)	675 (3.00)	500 (2.22)	02774-00613 (BAPV-06-04)
	.064 (1.63)	.437 (11.10)			.946 (24.1)			.510 (13.0)				02774-00617 (BAPV-E06-07)
1/4" (6.4)	.080 (2.03)	.375 (9.53)	.260 (6.6)	.275 (7.0)	.965 (24.6)	.525 (13.4)	.114 (2.9)	.510 (13.0)	.104 (2.7)	1350 (6.00)	950 (4.22)	02774-00817 (BAPV-08-06)
	.080 (2.03)	.625 (15.87)			1.366 (34.7)			.710 (18.1)				02774-00824 (BAPV-E08-10)
3/8" (10.0)	.120 (3.04)	.625 (15.87)	.392 (9.95)	.409 (10.4)	1.425 (36.2)	.798 (20.3)	.160 (4.1)	.875 (22.3)	.156 (4.0)	2840 (12.63)	2092 (9.30)	02774-01228

dimensions in inches and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)  
 1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

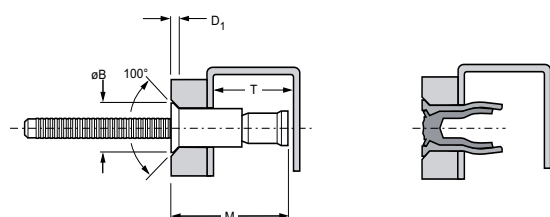
**Note:**

External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. / Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. / El bloqueo mecánico del vástago requiere de una boquilla especial.



English	Français	Deutsch	Italiano	Español
Countersunk head	Tête fraisée	Senkkopf	Testa svasata	Cabeza avellanada
Body: Aluminum alloy* (5 % Mg) Polished	Corps: Alliage d'aluminium* (5% Mg) Poli	Hülse: Aluminium* (5 % Mg) Poliert	Corpo: Lega di alluminio* (5% Mg) Lucido	Cuerpo: Aluminio* (5% Mg) Pulido
Stem: Aluminum alloy** Natural	Tige: Alliage d'aluminium** Brut	Dorn: Aluminium** Unbehandelt	Gambo: Lega di alluminio** Nessuna finitura	Vástago: Aluminio** Natural

\*: BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555  
 \*\*: BS 1473 2014A DIN 1725 AlCuSiMn Werkstoff 3.1255



ø nom.	Ø		Ø		M max.	øB min.	D <sub>1</sub> max.	T min.	lbf (kN) <sup>1)</sup>	lbf (kN) <sup>1)</sup>	Part No.
	min.	max.	min.	max.							
3/16" (4.8)	.125 (3.17)	.331 (8.41)	.195 (4.9)	.201 (5.1)	.786 (20.0)	.325 (8.3)	.084 (2.2)	.410 (10.5)	650 (2.89)	475 (2.11)	02764-00615 (BACV-06-06)
	.125 (3.17)	.481 (12.22)			1.032 (26.3)			.530 (13.5)			02764-00619 (BACV-E06-08)
1/4" (6.4)	.125 (3.17)	.475 (12.07)	.260 (6.6)	.276 (7.0)	1.069 (27.2)	.395 (10.1)	.093 (2.4)	.510 (13.0)	1350 (6.00)	950 (4.22)	02764-00821 (BACV-08-08)

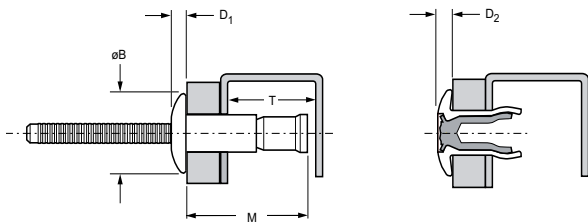
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 1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

**Note:**

External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. / Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. / El bloqueo mecánico del vástago requiere de una boquilla especial.



English	Français	Deutsch	Italiano	Español
Protruding head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Steel	Corps: Acier	Hülse: Stahl	Corpo: Acciaio	Cuerpo: Acero
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente
Stem: Carbon boron steel	Tige: Acier	Dorn: Stahl	Gambo: Acciaio	Vástago: Acero
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente



ø nom.	[Cross-section diagram]		[Cross-section diagram]		M max.	øB max.	D <sub>1</sub> max.	T min.	D <sub>2</sub> max.	[Torque diagram]	[Torque diagram]	Part No.
	min.	max.	min.	max.								
3/16" (4.8)	.064 (1.63)	.270 (6.86)	.193 (4.9)	.201 (5.1)	.716 (18.2)	.395 (10.1)	.083 (2.1)	.410 (10.5)	.073 (1.9)	1450 (6.44)	1150 (5.11)	02771-00613 (SSPV-06-04)
	.064 (1.63)	.437 (11.10)			.962 (24.5)			.530 (13.5)				02771-00617 (SSPV-E06-07)
1/4" (6.4)	.080 (2.03)	.375 (9.53)	.260 (6.6)	.275 (7.0)	.933 (23.7)	.525 (13.4)	.114 (2.9)	.480 (12.2)	.104 (2.7)	2650 (11.78)	2350 (10.45)	02771-00817 (SSPV-08-06)
	.080 (2.03)	.625 (15.87)			1.296 (33.0)			.645 (16.4)				02771-00824 (SSPV-E08-10)
3/8" (10.0)	.120 (3.04)	.625 (15.87)	.392 (9.95)	.409 (10.4)	1.425 (36.2)	.798 (20.3)	.160 (4.1)	.875 (22.3)	.156 (4.0)	5940 (26.37)	3709 (16.50)	02771-01228 <sup>2)</sup>

dimensions in inches and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

2) Deutsches Institut für Bautechnik (DIBt, German Authority in Civil Engineering) Approval No. Z-14.1-4 Attachment 2-24

**Note:**

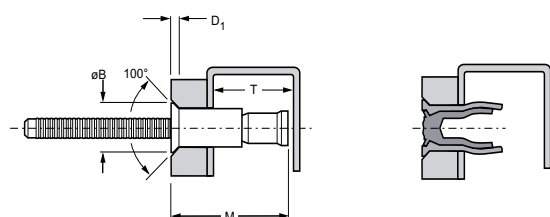
External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. /

Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. /

El bloqueo mecánico del vástago requiere de una boquilla especial.



English	Français	Deutsch	Italiano	Español
Countersunk head	Tête fraisée	Senkkopf	Testa svasata	Cabeza avellanada
Body: Steel Zinc plated Clear trivalent passivated	Corps: Acier Revêtement zingué Passivation claire trivalente	Hülse: Stahl Verzinkt Klar chromatiert, Cr6-frei	Corpo: Acciaio Zincato Passivazione chiara trivalente	Cuerpo: Acero Zincado Pasivado claro trivalente
Stem: Carbon boron steel Zinc plated Clear trivalent passivated	Tige: Acier Revêtement zingué Passivation claire trivalente	Dorn: Stahl Verzinkt Klar chromatiert, Cr6-frei	Gambo: Acciaio Zincato Passivazione chiara trivalente	Vástago: Acero Zincado Pasivado claro trivalente



ø nom.	[Cross-section diagram]		[Cross-section diagram]		M max.	øB min.	D <sub>1</sub> max.	T min.	[Torque diagram]	[Torque diagram]	Part No.
	min.	max.	min.	max.							
3/16" (4.8)	.125 (3.17)	.331 (8.41)	.195 (4.9)	.201 (5.1)	.786 (20.0)	.325 (8.3)	.084 (2.2)	.410 (10.5)	1450 (6.44)	1150 (5.11)	02761-00615 (SSCV-06-06)
	.125 (3.17)	.481 (12.22)			1.032 (26.3)			.530 (13.5)			02761-00619 (SSCV-E06-08)
1/4" (6.4)	.125 (3.17)	.475 (12.07)	.260 (6.6)	.276 (7.0)	1.037 (26.4)	.395 (10.1)	.093 (2.4)	.480 (12.2)	2650 (11.78)	2350 (10.45)	02761-00821 (SSCV-08-08)

dimensions in inches and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)  
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

**Note:**

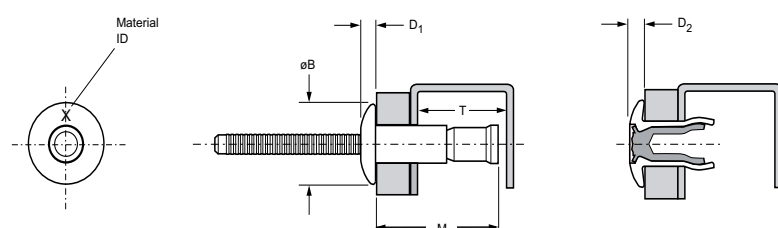
External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. / Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. / El bloqueo mecánico del vástago requiere de una boquilla especial.

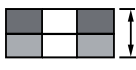
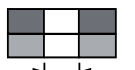
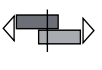





English	Français	Deutsch	Italiano	Español
Protruding head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Stainless steel* Natural	Corps: Inox* Brut	Hülse: Edelstahl* Unbehandelt	Corpo: Acciaio inox* Nessuna finitura	Cuerpo: Acero inoxidable* Natural
Stem: Stainless steel* Natural	Tige: Inox* Brut	Dorn: Edelstahl* Unbehandelt	Gambo: Acciaio inox* Nessuna finitura	Vástago: Acero inoxidable* Natural

\*: AISI 304



ø nom.					M max.	øB max.	D <sub>1</sub> max.	T min.	D <sub>2</sub> max.			Part No.
	min.	max.	min.	max.								
3/16" (4.8)	.064 (1.63)	.270 (6.86)	.193 (4.9)	.201 (5.1)	.716 (18.2)	.395 (10.1)	.083 (2.1)	.410 (10.5)	.073 (1.9)	1450 (6.44)	1150 (5.11)	02711-00613 <sup>2)</sup> (CCPV-06-04)
	.064 (1.63)	.437 (11.10)			.962 (24.5)			.530 (13.5)				02711-00617 <sup>2)</sup> (CCPV-E06-07)
1/4" (6.4)	.080 (2.03)	.375 (9.53)	.260 (6.6)	.276 (7.0)	.933 (23.7)	.525 (13.4)	.114 (2.9)	.480 (12.2)	.104 (2.7)	2650 (11.78)	2350 (10.45)	02711-00817 <sup>2)</sup> (CCPV-08-06)
	.080 (2.03)	.625 (15.87)			1.296 (33.0)			.645 (16.4)				02711-00824 <sup>2)</sup> (CCPV-E08-10)
3/8" (10.0)	.120 (3.04)	.625 (15.87)	.392 (9.95)	.409 (10.4)	1.425 (36.2)	.798 (20.3)	.160 (4.1)	.875 (22.3)	.156 (4.0)	5863 (26.08)	4361 (19.40)	02711-01228

dimensions in inches and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

2) also available in 316 grade/A4 / aussi disponible dans Grade 316/A4 / auch in 316 grade/A4 erhältlich / anche disponibile in 316 grade/A4 / también disponible en 316 grade/A4

**Note:**

External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. /

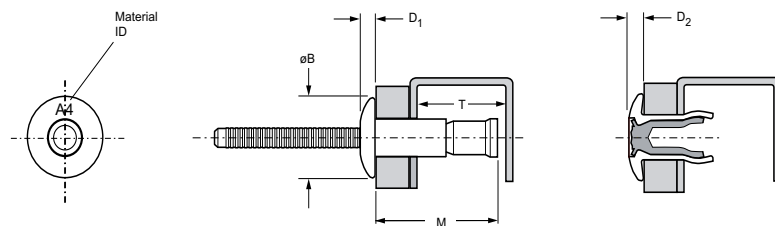
Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. /

El bloqueo mecánico del vástago requiere de una boquilla especial.



English	Français	Deutsch	Italiano	Español
Protruding head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Body: A4 stainless steel* Natural	Corps: A4 Inox* Brut	Hülse: A4 Edelstahl* Unbehandelt	Corpo: A4 Acciaio inox* Nessuna finitura	Cuerpo: A4 Acero inoxidable* Natural
Stem: A4 stainless steel* Natural	Tige: A4 Inox* Brut	Dorn: A4 Edelstahl* Unbehandelt	Gambo: A4 Acciaio inox* Nessuna finitura	Vástago: A4 Acero inoxidable* Natural

\*: 316 Grade



ø nom.	Material ID		Material ID		M max.	øB max.	D <sub>1</sub> max.	T min.	D <sub>2</sub> max.	lbf (kN) <sup>1)</sup>	lbf (kN) <sup>1)</sup>	Part No.
	min.	max.	min.	max.								
3/16" (4.8)	.064 (1.63)	.270 (6.86)	.193 (4.9)	.201 (5.1)	.716 (18.2)	.395 (10.1)	.083 (2.1)	.410 (10.5)	.073 (1.9)	1450 (6.45)	1150 (5.11)	02717-00613
	.064 (1.63)	.437 (11.10)			.962 (24.5)			.530 (13.5)				02717-00617
1/4" (6.4)	.080 (2.03)	.375 (9.53)	.260 (6.6)	.276 (7.0)	.933 (23.7)	.525 (13.4)	.114 (2.9)	.480 (12.2)	.104 (2.7)	2968 (13.20)	2350 (10.45)	02717-00817
	.080 (2.03)	.625 (15.87)			1.296 (33.0)			.645 (16.4)				02717-00824

dimensions in inches and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)  
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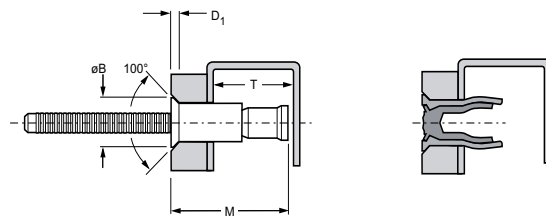
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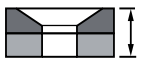



External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. / Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. / El bloqueo mecánico del vástago requiere de una boquilla especial.



English	Français	Deutsch	Italiano	Español
Countersunk head	Tête fraisée	Senkkopf	Testa svasata	Cabeza avellanada
Body: Austenitic stainless steel*	Corps: Inox austénitique*	Hülse: Edelstahl*	Corpo: Acciaio inox austenitico*	Cuerpo: Acero inoxidable austenítico*
Bright	Poli	Blank	Lucido	Pulido
Stem: Austenitic stainless steel*	Tige: Inox austénitique*	Dorn: Edelstahl*	Gambo: Acciaio inox austenitico*	Vástago: Acero inoxidable austenítico*
Natural	Brut	Unbehandelt	Nessuna finitura	Natural

\*: AISI 304, modified by addition of 3 - 4 % copper



ø nom.					M max.	øB min.	D <sub>1</sub> max.	T min.	 lbf (kN) <sup>1)</sup>	 lbf (kN) <sup>1)</sup>	Part No.
	min.	max.	min.	max.							
3/16" (4.8)	.125 (3.17)	.331 (8.41)	.195 (4.9)	.201 (5.1)	.786 (20.0)	.325 (8.25)	.084 (2.2)	.410 (10.41)	1450 (6.44)	1150 (5.11)	02721-00615
1/4" (6.4)	.125 (3.17)	.475 (12.07)	.260 (6.6)	.276 (7.0)	1.037 (26.4)	.395 (10.03)	.093 (2.4)	.480 (12.19)	2650 (11.78)	2350 (10.45)	02721-00821

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**Note:**

External stem locking feature requires special nose piece. / Le verrouillage extérieur de la tige nécessite d'un nez spécial. / Die Restdornverriegelung erfordert ein spezielles Mundstück. / Funzione di bloccaggio esterno del gambo richiede particolare nasello. / El bloqueo mecánico del vástago requiere de una boquilla especial.