

Avex® 1604

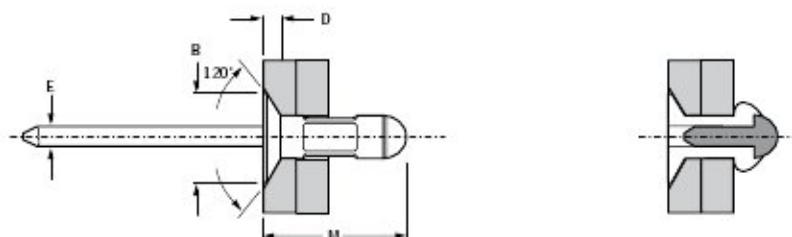


For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitungs entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione, preghiamo consultare i manuali e la panoramica degli attrezzi sul nostro sito web.
 Para ver información sobre máquinas de colocación, consulte nuestra página web, a partir de visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
120° Countersunk head	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Body: Aluminium alloy* (2.5 % Mg) Natural	Corps: Alliage d'aluminium* (2.5% Mg) Brut	Hülse: Aluminium* (2.5 % Mg) Blank	Corpo: Lega di alluminio* (2.5% Mg) Nessuna finitura	Cuerpo: Aluminio* (2.5% Mg) Natural
Stem: Low carbon steel**	Tige: Acier bas carbone**	Dorn: Stahl**	Gambo: Acciaio a basso tenore di carbonio**	Vástago: Acero bajo en carbono**
Zinc coated	Revêtement zingué	Verzinkt	Zincato	Zincado

*: AA 5052, DIN 1725, AlMg2.5, Werkstoff 3.3523

** : BS3111 Type 0, SAE 1015/1018/1022, DIN 1654, Cq15/Cq22



ø	[Flute Profile]		[Flute Profile]		M	B	D	E	[Torque]	[Torque]	Part No/ref
	min.	max.	min.	max.							
3.2 (1/8")	2.4	6.3	3.3	3.4	12.2	5.5	1.3	1.8	0.7	1.0	01604-00412
	4.0	7.9			13.4						01604-00414
	5.5	9.5			14.8						01604-00416
4.0 (5/32")	2.8	7.9	4.1	4.2	14.3	6.5	1.4	2.2	1.1	1.3	01604-00514
	3.6	8.8			15.1						01604-00515
4.8 (3/16")	3.2	7.9	4.9	5.0	15.5	9.0	1.8	2.9	1.5	2.3	01604-00615
	6.3	12.7			20.4						01604-00621

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas



An Acument™ Global Technologies Company

www.avdel-global.com

Avex® is a trademark of Avdel UK Limited

Avdel - Partner seit 1986



© 2007 Acument Intellectual Properties, LLC

03a.2007

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
 Your local Avdel representative is at your disposal should you need to confirm latest information.

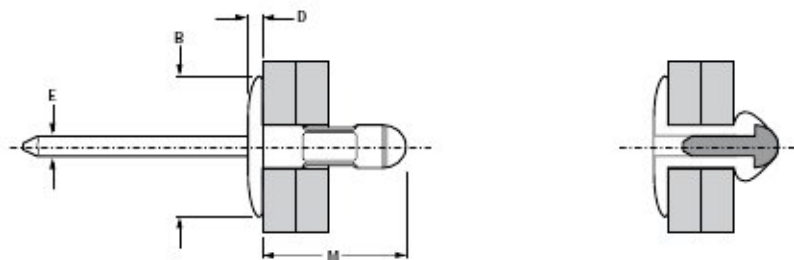
Avex® 1641



For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitng entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione, preghiamo consultare i manuali e la panoramica degli attrezzi sul nostro sito web.
 Para ver información sobre máquinas de colocación, consulte nuestra página web, a partir de visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Large Flange	Tête large	Flachrundkopf extragroß	Testa larga	Cabeza ancha
Body: Aluminium alloy* (2.5 % Mg) Natural	Corps: Alliage d'aluminium* (2.5% Mg) Brut	Hülse: Aluminium* (2.5 % Mg) Blank	Corpo: Lega di alluminio* (2.5% Mg) Nessuna finitura	Cuerpo: Aluminio* (2.5% Mg) Natural
Stem: Low carbon steel**	Tige: Acier bas carbone**	Dorn: Stahl**	Gambo: Acciaio a basso tenore di carbonio**	Vástago: Acero bajo en carbono**
Zinc coated	Revêtement zingué	Verzinkt	Zincato	Zincado

*: AA 5052, DIN 1725, AlMg2.5, Werkstoff 3.3523
 **: BS3111 Type 0, SAE 1015/1018/1022, DIN 1654, Cq15/Cq22



ø	[Flange Profile]		[Thread Profile]		M	B	D	E	[Flange]	[Stem]	Part No/ref
	min.	max.	min.	max.							
nom.					max.	max.	max.	max.	kN ¹⁾	kN ¹⁾	
4.8 (3/16")	1.6	6.3	4.9	5.0	13.9	16.2	2.2	2.9	1.5	2.1	01641-00613
	3.2	9.3			17.0				1.3		01641-00617
	4.8	11.1			18.7				1.3		01641-00619
	6.4	12.7			20.2				1.3		01641-00621
	12.7	19.8			28.2				1.4		01641-00631

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas



An Acument™ Global Technologies Company

www.avdel-global.com

Avex® is a trademark of Avdel UK Limited

Avdel - Partner seit 1986



© 2007 Acument Intellectual Properties, LLC

03a.2007

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
 Your local Avdel representative is at your disposal should you need to confirm latest information.

Avex® 1643

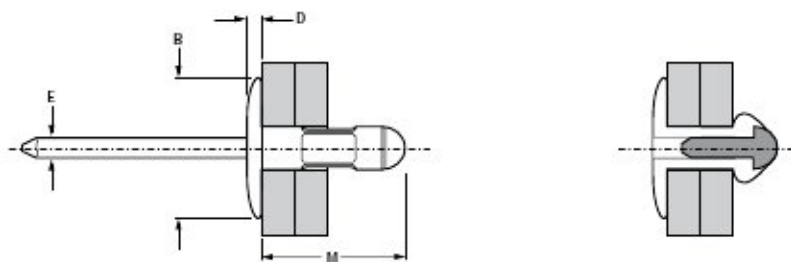


For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitng entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione, preghiamo consultare i manuali e la panoramica degli attrezzi sul nostro sito web.
 Para ver información sobre máquinas de colocación, consulte nuestra página web, a partir de la visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Large Flange	Tête large	Flachrundkopf extragroß	Testa larga	Cabeza ancha
Body: Aluminium alloy* (2.5 % Mg) Natural	Corps: Alliage d'aluminium* (2.5% Mg) Brut	Hülse: Aluminium* (2.5 % Mg) Blank	Corpo: Lega di alluminio* (2.5% Mg) Nessuna finitura	Cuerpo: Aluminio* (2.5% Mg) Natural
Stem: Stainless steel** Natural	Tige: Inox** Brut	Dorn: Edelstahl** Blank	Gambo: Acciaio inox** Nessuna finitura	Vástago: Acero inoxidable** Natural

*: AA 5052, DIN 1725, AlMg2.5, Werkstoff 3.3523

** : BS3111, 321531, AISI 321, Werkstoff 1.4541



ø	[Cross-section diagram]		[Thread diagram]		M	B	D	E	[Flange strength diagram]	[Cross-section diagram]	Part No/ref
	min.	max.	min.	max.							
4.8 (3/16")	1.6	6.3	4.9	5.0	13.6	16.2	2.2	2.9	1.4	2.0	01643-00613
	6.4	12.7			19.7				1.2		01643-00621
	12.7	19.8			27.6				1.3		01643-00631

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas



An Acument™ Global Technologies Company

www.avdel-global.com

Avex® is a trademark of Avdel UK Limited

Avdel - Partner seit 1986



© 2007 Acument Intellectual Properties, LLC

03a.2007

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
 Your local Avdel representative is at your disposal should you need to confirm latest information.

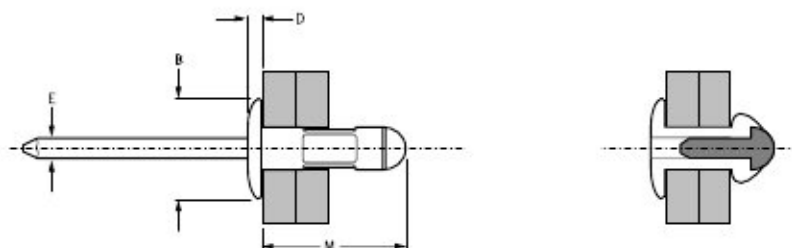
Avex® 1661



For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verriebung entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione, preghiamo consultare i manuali e la panoramica degli attrezzi sul nostro sito web.
 Para ver información sobre máquinas de colocación, consulte nuestra página web, a partir de la visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Aluminium alloy* (2.5 % Mg) Natural	Corps: Alliage d'aluminium* (2.5% Mg) Brut	Hülse: Aluminium* (2.5 % Mg) Blank	Corpo: Lega di alluminio* (2.5% Mg) Nessuna finitura	Cuerpo: Aluminio* (2.5% Mg) Natural
Stem: Low carbon steel**	Tige: Acier bas carbone**	Dorn: Stahl**	Gambo: Acciaio a basso tenore di carbonio**	Vástago: Acero bajo en carbono**
Zinc coated	Revêtement zingué	Verzinkt	Zincato	Zincado

*: AA 5052, DIN 1725, AlMg2.5, Werkstoff 3.3523
 **: BS3111 Type 0, SAE 1015/1018/1022, DIN 1654, Cq15/Cq22



ø	D		E		M	B	D	E	kN ¹⁾	kN ¹⁾	Part No/ref
	min.	max.	min.	max.							
3.0	0.8	4.3	3.1	3.3	9.1	6.7	1.3	1.7	0.7	0.9	01661-05307
3.2 (1/8")	0.8	4.8	3.3	3.4	10.4	6.7	1.3	1.8	0.7	1.0	01661-00410
	1.2	6.3			12.0						01661-00412
	4.0	7.9			13.6						01661-00414
	5.5	9.5			16.0						01661-00416
4.0 (5/32")	0.5	3.2	4.1	4.2	9.3	8.2	1.6	2.2	1.1	1.6	01661-00508
	0.8	4.7			10.7						01661-00510
	1.2	6.3			12.5						01661-00512
	4.0	9.5			16.2						01661-00516
	6.4	12.7			19.6						01661-00521
4.8 (3/16")	1.6	6.3	4.9	5.0	13.9	10.1	1.8	2.9	1.5	2.3	01661-00613
	4.8	11.1			18.7						01661-00619
	4.8	12.7			20.2						01661-00621
	12.7	19.8			28.2						01661-00631
6.4 (1/4")	1.5	8.3	6.6	6.9	16.8	13.5	2.7	4.0	3.1	2.5	01610-04506 ²⁾

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

- 1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas
 2) stem: zinc plated, clear trivalent passivated / tige: revêtement zingué, passivation claire trivalente / Dorn: verzinkt, klar chromatiert Cr6-frei / gambo: zincato, passivazione chiara trivalente / vástago: zincado, pasivado claro trivalente

Avdel - Partner seit 1986



An Acument™ Global Technologies Company

www.avdel-global.com

© 2007 Acument Intellectual Properties, LLC

Avex® is a trademark of Avdel UK Limited

06a.2007

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
 Your local Avdel representative is at your disposal should you need to confirm latest information.

Avex® 1663

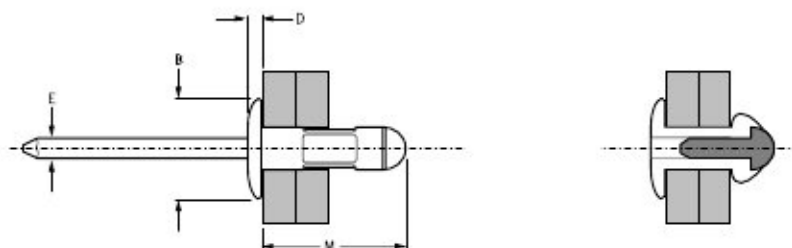


For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitungs entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione preghiamo consultare i manuali e la panoramica degli attrezzi sul nostro sito web.
 Para ver información sobre máquinas de colocación, consulte nuestra página web, a partir de visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Aluminium alloy* (2.5 % Mg) Natural	Corps: Alliage d'aluminium* (2.5% Mg) Brut	Hülse: Aluminium* (2.5 % Mg) Blank	Corpo: Lega di alluminio* (2.5% Mg) Nessuna finitura	Cuerpo: Aluminio* (2.5% Mg) Natural
Stem: Stainless steel** Natural	Tige: Inox** Brut	Dorn: Edelstahl** Blank	Gambo: Acciaio inox** Nessuna finitura	Vástago: Acero inoxidable** Natural

*: AA 5052, DIN 1725, AlMg2.5, Werkstoff 3.3523

** : BS3111, 321531, AISI 321, Werkstoff 1.4541



Ø	Cross-section		Thread		M	B	D	E	Tightening force	Torque	Part No/ref
	min.	max.	min.	max.							
3.0	0.8	4.3	3.1	3.3	9.1	6.7	1.3	1.7	0.7	0.9	01663-05307
3.2 (1/8")	0.8	4.8	3.3	3.4	10.4	6.7	1.3	1.8	0.7	1.0	01663-00410
	1.2	6.3			12.0						01663-00412
	4.0	7.9			13.6						01663-00414
	5.5	9.5			16.0						01663-00416
4.0 (5/32")	0.5	3.2	4.1	4.2	9.3	8.2	1.6	2.2	1.1	1.6	01663-00508
	0.8	4.7			10.7						01663-00510
	1.2	6.3			12.5						01663-00512
	4.0	9.5			16.2						01663-00516
	6.4	12.7			19.6						01663-00521
4.8 (3/16")	1.6	6.3	4.9	5.0	13.9	10.1	1.8	2.9	1.5	2.3	01663-00613
	4.8	11.1			18.7						01663-00619
	4.8	12.7			20.2						01663-00621
	12.7	19.8			28.2						01663-00631

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas



An Acument™ Global Technologies Company

www.avdel-global.com

Avex® is a trademark of Avdel UK Limited

Avdel - Partner seit 1986



© 2007 Acument Intellectual Properties, LLC

03a.2007

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
 Your local Avdel representative is at your disposal should you need to confirm latest information.

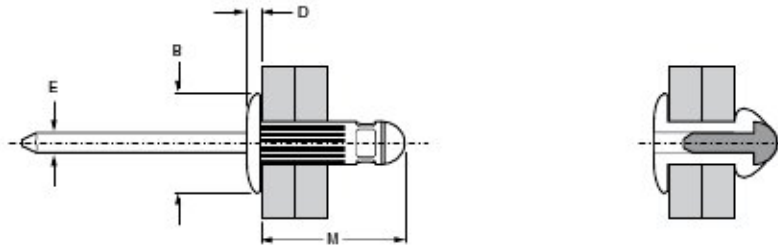
Avex® Splined 1610







English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Body: Low carbon steel*	Corps: Acier bas carbone*	Hülse: Stahl*	Corpo: Acciaio a basso tenore di carbonio*	Cuerpo: Acero bajo en carbono*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Stem: Low carbon steel**	Tige: Acier bas carbone**	Dorn: Stahl**	Gambo: Acciaio a basso tenore di carbonio**	Vástago: Acero bajo en carbono**
Zinc coated	Revêtement zingué	Verzinkt	Zincato	Zincado

*: BS3111 Type 0, SAE 1008, DIN 1654, QSt 34-3

** : BS3111 Type 0, SAE 1010/1015/1018/1022, DIN 17210, Cq10 / DIN 1654 Cq15/Cq22



ø					M	B	D	E			Part No/ref
	nom.	min.	max.	min.							
4.0 (5/32")	1.4	5.0	4.1	4.2	13.7	8.5	1.6	2.8	1.9	2.3	01610-06196
4.8 (3/16")	1.2	4.0	5.05	5.2	13.45	10.1	2.1	3.4	3.6	3.3	01610-06197

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / resistencias máximas recomendadas



An Acument™ Global Technologies Company

www.avdel-global.com

Avex® is a trade mark of Avdel UK Limited

Avdel - Partner seit 1986



© 2009 Acument Intellectual Properties, LLC

03.2009

Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.
Your local Avdel representative is at your disposal should you need to confirm latest information.