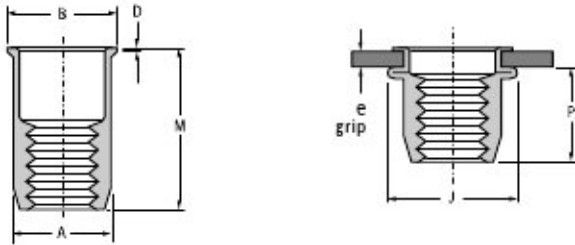



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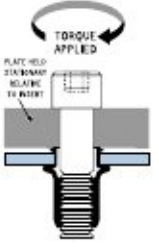
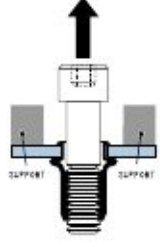
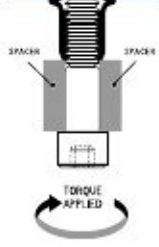
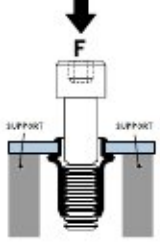
For installation information please refer to the tooling overview and manuals on our website www.avdel-global.com.
 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitung entnehmen Sie bitte der Geräteübersicht 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, apartados visión general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Stainless steel* Natural	Inox* Brut	Edelstahl* Blank	Acciaio inox* Nessuna finitura	Acero inoxidable* Natural
*: Werkstoff 1.4305				



ø	e (grip)		 +0.1/-0	A	B	D	J	M	P	Part No/ref
	min.	max.		max.	max.	max.	max.	max.	max.	
M3 x 0.5	0.51	1.50	4.75	4.73	5.77	0.64	8.40	9.15	5.80	09468-00310
M4 x 0.7	0.51	2.00	6.35	6.32	7.50	0.64	10.30	10.42	7.20	09468-00413
M5 x 0.8	0.51	3.00	7.15	7.11	8.26	0.64	12.70	11.82	7.00	09468-00514
M6 x 1.0	0.76	3.25	9.53	9.50	10.85	0.77	15.50	14.61	9.50	09468-00619
M8 x 1.25	0.91	3.70	10.60	10.57	11.74	0.77	17.20	16.13	10.10	09468-05821
M10 x 1.5	1.00	3.60	14.30	14.28	15.80	0.77	23.30	18.62	10.50	09468-01023

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

ø	 Recommended max torque	 Pull-out	 Torque-to-turn	 Push-out
	Nm max.	kN	Nm min.	kN
M3 x 0.5	4.0	8.2	0.4	1.0
M4 x 0.7	5.6	9.2	1.9	2.0
M5 x 0.8	11.3	12.0	2.6	2.7
M6 x 1.0	16.9	18.3	3.4	2.9
M8 x 1.25	22.6	24.2	3.6	3.2
M10 x 1.5	33.8	33.9	4.2	4.2

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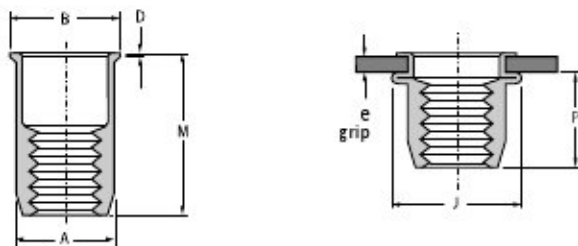
Nutsert® / TSN® 9658




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 Verbringung entnehmen Sie bitte der 6er-Übersicht 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.

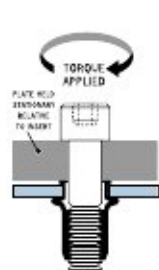
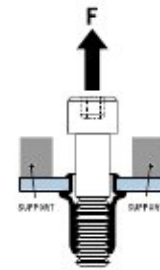
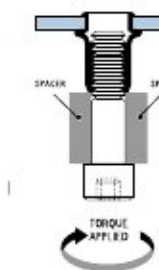
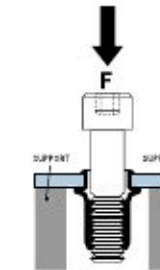
English	Français	Deutsch	Italiano	Español
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated Lubricated	Revêtement zingué, Passivation claire trivalente Lubrifié	Verzinkt Klar chromatiert, Cr6-frei Trockenfilmbeschichtet	Zincato Passivazione chiara trivalente Lubrificato	Zincado Pasivado claro trivalente Lubricado

* : DIN EN 10263-2 Qst 34-3, BS EN/DIN 10263-2 C8C, Werkstoff 1.0213, SAE 1008



ø	e (grip)		 +0.1/-0	A	B	D	J	M	P	Part No/ref
	min.	max.		max.	max.	max.	max.	max.	max.	
M3 x 0.5	0.51	1.50	4.75	4.72	5.84	0.38	8.40	9.02	5.80	09658-70310
M4 x 0.7	0.51	2.00	6.35	6.32	7.30	0.51	10.30	10.41	7.20	09658-70413
M5 x 0.8	0.51	3.00	7.15	7.11	8.00	0.51	12.70	11.81	7.00	09658-70514
M6 x 1.0	0.76	3.25	9.55	9.50	10.67	0.76	15.50	14.60	9.50	09658-70619
M8 x 1.25	0.91	3.70	10.60	10.57	11.68	0.76	17.20	16.00	10.10	09658-75821
M10 x 1.5	1.00	3.60	14.20	14.17	16.20	0.76	23.30	18.50	10.50	09658-72022

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

ø	 Recommended max torque	 Pull-out	 Torque-to-turn	 Push-out
	Nm max.	kN	Nm min.	kN
M3 x 0.5	1.5	2.7	0.4	0.8
M4 x 0.7	5.1	6.6	1.9	1.5
M5 x 0.8	7.9	8.0	2.6	1.9
M6 x 1.0	12.4	11.4	3.4	2.4
M8 x 1.25	16.4	15.7	3.6	2.8
M10 x 1.5	33.9	18.7	4.2	3.7

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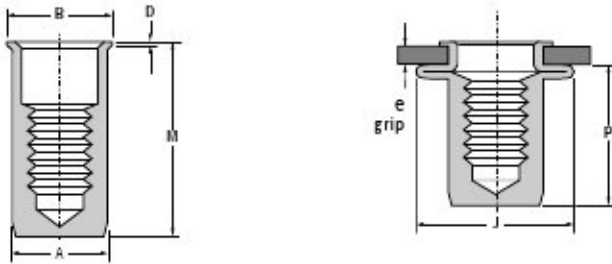
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 Pour les conditions de pose, merci de vous référer à la description de l'outil et aux manuels disponibles sur notre site Web.
 Angaben zur Verarbeitungs entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
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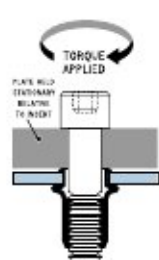
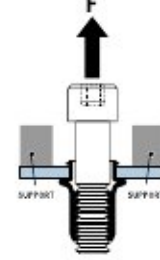
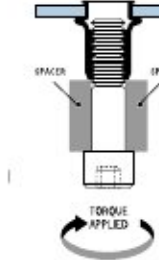
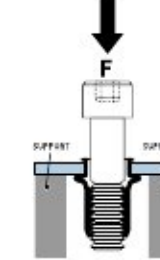
English	Français	Deutsch	Italiano	Español
Closed end	Borgne	Geschlossen	Fondo cieco	Fondo cerrado
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : DIN EN 10263-2 Qst 34-3, BS EN/DIN 10263-2 C8C, Werkstoff 1.0213, SAE 1008



ø	e (grip)		 +0.1/-0	A	B	D	J	M	P	Part No/ref
	min.	max.		max.	max.	max.	max.	max.	max.	
M4 x 0.7	0.51	2.00	6.35	6.34	7.50	0.64	10.00	14.91	11.70	0FS38-70418
M5 x 0.8	0.51	3.00	7.15	7.13	8.26	0.64	12.20	20.26	15.50	0FS38-70521
M6 x 1.0	0.76	3.25	9.53	9.52	10.85	0.77	15.00	23.49	18.60	0FS38-70626
M8 x 1.25	0.91	3.70	10.60	10.59	11.74	0.77	16.80	23.63	18.10	0FS38-70829

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

ø	 Recommended max torque	 Pull-out	 Torque-to-turn	 Push-out
	Nm max.	kN	Nm min.	kN
M4 x 0.7	5.1	6.6	1.9	1.5
M5 x 0.8	7.9	8.0	2.6	1.9
M6 x 1.0	12.4	11.4	3.4	2.4
M8 x 1.25	16.4	15.7	3.6	2.8

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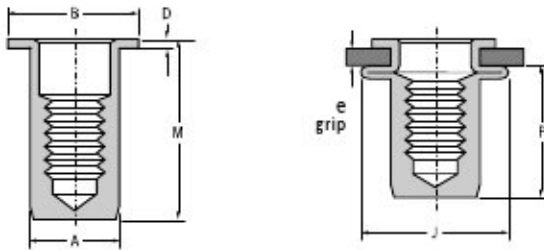
Nutsert® / TSN® FS58




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 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 Verbeitung entnehmen Sie bitte der Geräteübersicht und den Betriebsanleitungen auf unserer Website.
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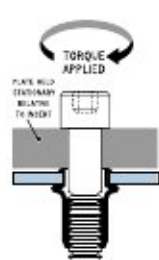
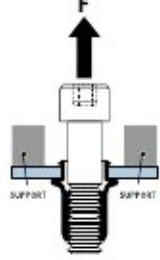
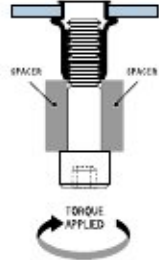
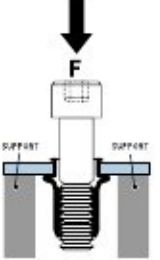
English	Français	Deutsch	Italiano	Español
Large flange	A collerette	Flachkopf	Flangiato	Ala Ancha
Closed end	Borgne	Geschlossen	Fondo cieco	Fondo cerrado
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

* : DIN EN 10263-2 Qst 34-3, BS EN/DIN 10263-2 C8C, Werkstoff 1.0213, SAE 1008



ø	e (grip)		 +0.1/-0	A	B	D	J	M	P	Part No/ref
	min.	max.		max.	max.	± 0.13	max.	max.	max.	
M4 x 0.7	0.50	2.50	6.10	6.05	9.30	0.80	10.50	16.64	12.10	0FS58-70421
M5 x 0.8	0.50	2.50	7.10	7.05	10.30	1.00	13.30	17.56	12.30	0FS58-70522
M6 x 1.0	0.50	3.00	9.10	9.05	13.30	1.50	15.00	22.48	16.00	0FS58-70628
M8 x 1.25	1.00	4.00	11.00	11.05	14.30	1.50	18.60	25.84	19.80	0FS58-70832

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

ø				
	Recommended max. torque	Pull-out	Torque-to-turn	Push-out
	Nm max.	kN	Nm min.	kN
M4 x 0.7	5.1	5.5	1.5	2.9
M5 x 0.8	7.9	8.0	3.0	4.2
M6 x 1.0	12.4	10.8	3.4	6.5
M8 x 1.25	16.4	12.5	5.6	7.9

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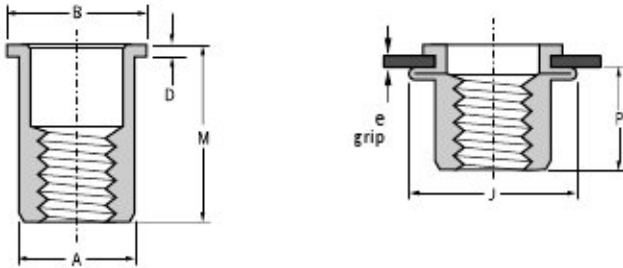
Nutsert® / TSN® FW78



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 Angaben zur Verbeitung 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 división general de máquinas y manuales.

English	Français	Deutsch	Italiano	Español
Large flange	A collerette	Flachkopf	Flangiato	Ala Ancha
Aluminium alloy* (2.5 % Mg) Natural	Alliage d'aluminium* (2.5% Mg) Brut	Aluminium* (2.5 % Mg) Blank	Lega di alluminio* (2.5% Mg) Nessuna finitura	Aluminio* (2.5% Mg) Natural

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



ø	e (grip)		5.10 6.10 7.10 9.10 11.10 12.50	A max.	B ± 0.35	D ± 0.15	J max.	M ± 0.35	P max.	Part No/ref
	min.	max.								
M3 x 0.5	0.25	2.00	5.10	5.00	8.00	0.75	7.00	10.50	6.50	0FW78-00320
	2.00	3.00						11.50		0FW78-00330
M4 x 0.7	0.25	3.00	6.10	6.00	10.00	0.75	8.10	11.50	6.80	0FW78-00430
	3.00	4.50						13.00		0FW78-00445
M5 x 0.8	0.25	3.00	7.10	7.00	11.00	1.00	9.60	13.00	8.30	0FW78-00530
	3.00	5.50						16.00		0FW78-00555
M6 x 1.0	0.50	3.00	9.10	9.00	13.00	1.50	12.10	16.00	10.00	0FW78-00630
	3.00	5.50						18.00		0FW78-00655
	5.50	8.00						20.50		0FW78-00680
M8 x 1.25	0.50	3.00	11.10	11.00	16.00	1.50	14.50	17.50	11.50	0FW78-00830
	3.00	5.50						20.00		0FW78-00855
	5.50	8.00						23.00		0FW78-00880
M10 x 1.5	0.80	3.50	12.50	12.40	18.50	2.25	16.50	22.00	14.70	0FW78-01035
	3.50	6.00						25.00		0FW78-01060

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

ø				
	Nm max.	kN	Nm min.	kN
M3 x 0.5	1.2	3.4	0.7	1.1
M4 x 0.7	4.0	4.9	1.7	1.6
M5 x 0.8	5.3	6.0	1.8	2.0
M6 x 1.0	10.8	8.6	2.3	3.6
M8 x 1.25	23.0	12.3	6.9	4.5
M10 x 1.5	28.0	15.7	7.5	5.2

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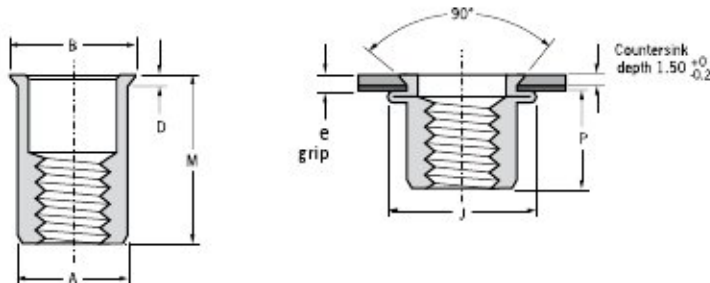
Nutsert® / TSN® FW96



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English	Français	Deutsch	Italiano	Español
90° Countersunk	90° Tête fraisée	90° Senkkopf	90° Testa svasata	90° Cabeza avellanada
Aluminium alloy* (2.5 % Mg) Natural	Alliage d'aluminium* (2.5% Mg) Brut	Aluminium* (2.5 % Mg) Blank	Lega di alluminio* (2.5% Mg) Nessuna finitura	Aluminio* (2.5% Mg) Natural

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



ø	e (grip)		+0.1/-0	A max.	B +0/-0.4	D +0.3/-0.1	J max.	M ± 0.35	P max.	Part No/ref
	min.	max.								
M3 x 0.5	1.70	3.50	5.10	5.00	8.00	1.50	7.00	11.25	6.50	0FW96-00335
M4 x 0.7	1.70	3.50	6.10	6.00	9.00	1.50	8.10	11.50	6.80	0FW96-00435
	3.50	5.00						13.00		0FW96-00450
M5 x 0.8	1.70	4.00	7.10	7.00	10.00	1.50	9.60	13.00	8.30	0FW96-00540
	4.00	6.50						16.00		0FW96-00565
M6 x 1.0	1.70	4.50	9.10	9.00	12.00	1.50	12.10	17.00	10.00	0FW96-00645
	4.50	6.50						19.00		0FW96-00665
M8 x 1.25	1.70	4.50	11.10	11.00	14.00	1.50	14.50	19.00	11.50	0FW96-00845
	4.50	6.50						21.00		0FW96-00865
M10 x 1.5	1.70	4.50	12.50	12.40	15.40	1.50	16.50	21.00	14.70	0FW96-01045
	4.50	6.50						23.00		0FW96-01065

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

ø				
	Nm max.	kN	Nm min.	kN
M3 x 0.5	1.2	3.7	0.8	1.4
M4 x 0.7	4.0	4.7	1.7	1.9
M5 x 0.8	5.3	6.3	2.2	2.6
M6 x 1.0	10.8	10.1	4.7	3.4
M8 x 1.25	23.0	11.7	7.8	3.7
M10 x 1.5	28.0	13.8	9.9	4.7

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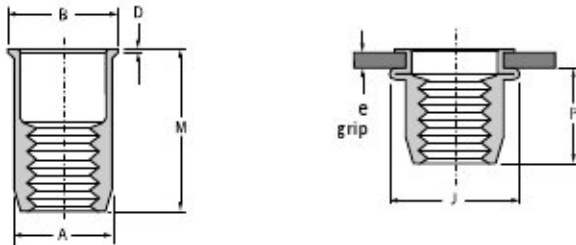
Nutsert® / TSN® GM17



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
Aluminium alloy* (2.5 % Mg)	Alliage d'aluminium* (2.5% Mg)	Aluminium* (2.5 % Mg)	Lega di alluminio* (2.5% Mg)	Aluminio* (2.5% Mg)
Natural	Brut	Blank	Nessuna finitura	Natural

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



ø	e (grip)		+0.1/-0	A max.	B +0.3/-0.2	D +0.3/-0.1	J max.	M ± 0.35	P max.	Part No/ref
	min.	max.								
M4 x 0.7	0.50	3.00	6.10	6.00	6.50	0.50	8.10	10.75	6.80	OGM17-00430
M5 x 0.8	0.50	3.00	7.10	7.00	7.50	0.50	9.60	12.00	8.30	OGM17-00530
M6 x 1.0	0.50	3.00	9.10	9.00	9.50	0.50	12.10	14.50	10.00	OGM17-00630
M8 x 1.25	0.50	3.00	11.10	11.00	11.50	0.50	14.50	16.00	11.50	OGM17-00830

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

ø				
	Nm max.	kN	Nm min.	kN
M4 x 0.7	4.0	3.7	1.6	0.7
M5 x 0.8	5.3	5.4	2.1	0.8
M6 x 1.0	10.8	8.5	2.4	0.9
M8 x 1.25	23.0	13.1	5.4	1.0

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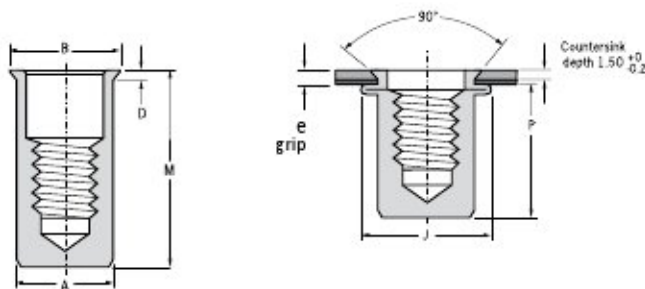
Nutsert® / TSN® GM57



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.
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English	Français	Deutsch	Italiano	Español
90° Countersunk	90° Tête fraisée	90° Senkkopf	90° Testa svasata	90° Cabeza avellanada
Closed end	Borgne	Geschlossen	Fondo cieco	Fondo cerrado
Aluminium alloy* (2.5 % Mg)	Alliage d'aluminium* (2.5% Mg)	Aluminium* (2.5 % Mg)	Lega di alluminio* (2.5% Mg)	Aluminio* (2.5% Mg)
Natural	Brut	Blank	Nessuna finitura	Natural

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



ø	e (grip)		+0.1/-0	A max.	B +0/-0.4	D +0.3/-0.1	J max.	M ± 0.35	P max.	Part No/ref
	min.	max.								
M4 x 0.7	1.70	3.50	6.10	6.00	9.00	1.50	8.10	15.50	10.80	0GM57-00435
	3.50	5.00								17.00
M5 x 0.8	1.70	4.00	7.10	7.00	10.00	1.50	9.60	18.00	14.30	0GM57-00540
	4.00	6.50								20.50
M6 x 1.0	1.70	4.50	9.10	9.00	12.00	1.50	12.10	22.00	17.50	0GM57-00645
	4.50	6.50								24.00
M8 x 1.25	1.70	4.50	11.10	11.00	14.00	1.50	14.50	25.00	19.00	0GM57-00845
	4.50	6.50								28.00

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

ø	Recommended max torque	Pull-out	Torque-to-turn	Push-out
	Nm max.	kN	Nm min.	kN
M4 x 0.7	4.0	4.7	1.7	1.9
M5 x 0.8	5.3	6.3	2.2	2.6
M6 x 1.0	10.8	10.1	4.7	3.4
M8 x 1.25	23.0	11.7	7.8	3.7

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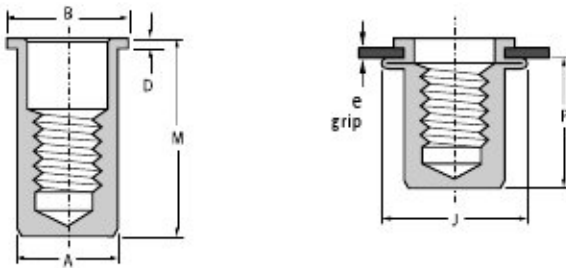
Nutsert® / TSN® GM68



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 6er-Übersicht und den Betriebsanleitungen auf unserer Website.
 Per informazioni sull'installazione preghiamo consultare i manuali e le 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	A collerette	Flachkopf	Flangiato	Ala Ancha
Closed end	Borgne	Geschlossen	Fondo cieco	Fondo cerrado
Aluminium alloy* (2.5 % Mg)	Alliage d'aluminium* (2.5% Mg)	Aluminium* (2.5 % Mg)	Legh di alluminio* (2.5% Mg)	Aluminio* (2.5% Mg)
Natural	Brut	Blank	Nessuna finitura	Natural

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



ø	e (grip)		+0.1/-0	A max.	B ±0.35	D ±0.15	J max.	M ± 0.35	P max.	Part No/ref
	min.	max.								
M3 x 0.5	0.25	2.00	5.10	5.00	8.00	0.75	7.00	14.00	10.00	0GM68-00320
M4 x 0.7	0.25	3.00	6.10	6.00	10.00	0.75	8.10	15.50	10.80	0GM68-00430
	3.00	4.50						17.00		0GM68-00445
M5 x 0.8	0.25	3.00	7.10	7.00	11.00	1.00	9.60	19.00	14.30	0GM68-00530
	3.00	5.50						21.50		0GM68-00555
M6 x 1.0	0.50	3.00	9.10	9.00	13.00	1.50	12.10	23.00	17.50	0GM68-00630
	3.00	5.50						26.00		0GM68-00655
M8 x 1.25	0.50	3.00	11.10	11.00	16.00	1.50	14.50	24.00	19.00	0GM68-00830
	3.00	5.50						27.00		0GM68-00855

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

ø	Recommended max torque	Pull-out	Torque-to-turn	Push-out
	Nm max.	kN	Nm min.	kN
M3 x 0.5	1.2	3.4	0.7	1.1
M4 x 0.7	4.0	4.9	1.7	1.6
M5 x 0.8	5.3	6.0	1.8	2.0
M6 x 1.0	10.8	8.6	2.3	3.6
M8 x 1.25	23.0	12.3	6.9	4.5

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