

Rivscrew[®], rivets filetés et démontables

Rivets à répétition filetés démontables qui combinent la vitesse de pose d'un rivet avec la démontabilité d'une vis.



Caractéristiques principales et avantages

- Expansion radiale pendant l'installation pour former un filet dans le support en éliminant le risque d'un serrage excessif et d'un arrachement
- Pose à l'aide d'un mandrin hexagonal qui provoque l'expansion radiale de la surface filetée externe
- Démontable pour l'entretien avec clé à six pans creux puis réutilisable
- Fournit un "frein-filet" plus résistant aux vibrations dans le support en comparaison avec les vis standards
- Peut être utilisé pour la fixation de la plupart des matériaux jusqu'à une dureté Vickers de 105 Hv5
- Evite les opérations coûteuses de taraudage ou de filetage
- L'option du laiton étamé brillant offre une excellente soudabilité et une bonne conductivité électrique
- La possibilité d'alimentation par bol vibrant est idéale pour les applications à volume élevé utilisant des équipements automatisés

Caractéristiques techniques

Diamètres nominaux :

2,8 mm à 4,0 mm

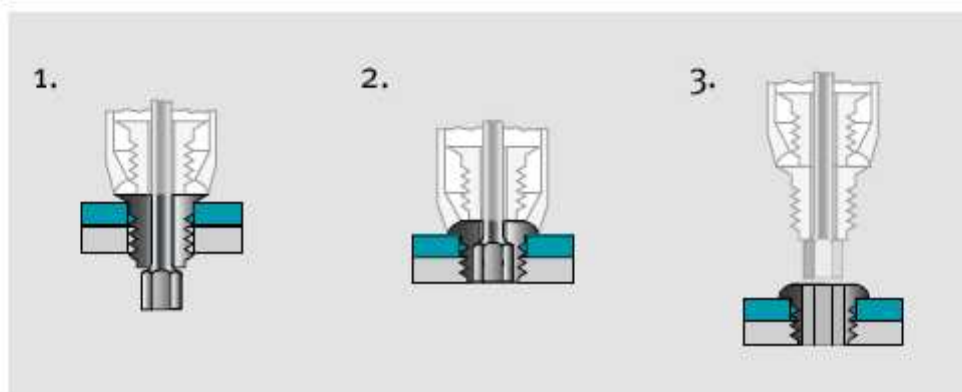
Matières:

Acier zingué

Formes de tête :

Bombée

Séquence de pose





English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated, 5 microns Clear trivalent passivated	Revêtement zingué, épaisseur 5 µm Passivation claire trivalente	Verzinkt, 5µm Klar chromatiert, Cr6-frei	Zincatura spessore, 5µm Passivazione chiara trivalente	Zincado, 5 micras Pasivado claro trivalente

* : BS 3111 Type 0, SAE 1008, DIN 1654 Qst 34-3

Option:

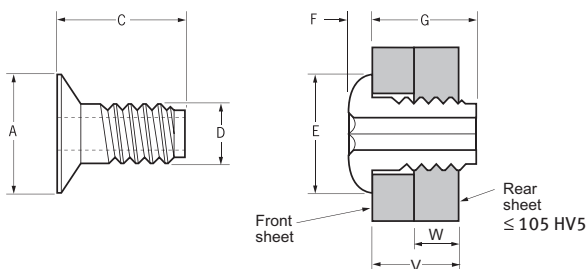
RivscREW® fasteners are now available with a pre-formed head (the head is not formed from countersunk to dome during installation). For pre-formed variants substitute part number 01722 with 01772. Further details on request.

Les rivets RivscREW® sont disponibles avec une tête de rivet préformée (la tête n'est pas formée durant la pose du rivet). Pour des variantes avec têtes préformées substituer les références 01722 par 01772. Plus de détails sur demande.

RivscREW® Magazin-Blindniete sind jetzt auch mit vorgeformtem Kopf erhältlich (der Kopf wird nicht während der Verarbeitung aus einem Senkkopf geformt). Für vorgeformte Varianten ersetzen Sie Artikel-Nr. 01722 durch 01772. Weitere Details auf Anfrage.

I rivetti RivscREW® sono adesso disponibili con la testa pre-formata (la testa non è plasmata da svasata a tonda durante l'installazione). Per varianti pre-formate sostituire il codice 01722 con 01772. Ulteriori dettagli su richiesta.

Los remaches RivscREW® están ahora disponibles con cabeza alomada preformada (la cabeza durante la colocación no deforma de avellanada a alomada). Para esta versión la referencia 01722 se sustituye por la 01772. Más información bajo petición.



ø	ø D	Front sheet / pièce à fixer / oberes Bauteil / piastra frontale/ pieza anterior		Rear sheet / pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		A	C	W	V	E ¹⁾	F ¹⁾	G	Fasteners per pod/Nombre de rivets par chargeur/ Niete pro Ma- gazin/ Rivetti per caricatore / Uds./carga	Part No/ref	
		min.	max.	min.	max.										± 0.3
2.8	2.6	2.95	3.02	2.62	2.70	5.7	5.2	1.62	2.85	6.1	1.4	4.0	62	01722-02806	
							6.1						3.85	52	01722-02807
							7.1						4.83	43	01722-02809
							8.1						5.82	38	01722-02810
							10.1						7.80	30	01722-02812
3.0	2.8	3.07	3.15	2.82	2.89	5.7	5.2	1.62	2.85	6.1	1.4	4.0	62	01722-03006	
							6.1						3.85	52	01722-03007
							7.1						4.83	43	01722-03009
							8.1						5.82	38	01722-03010
							9.1						6.81	34	01722-03011
							10.1						7.80	30	01722-03012
							13.1						10.72	23	01722-03016

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

1) see page 2 / voir page 2 / siehe Seite 2 / vedi pagina 2 / ver Pág. 2

RivscREW® 1722

Ø	Ø D		Front sheet / pièce à fixer / oberes Bauteil / piastra frontale/ pieza anterior		Rear sheet / pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		A	C	W	V	E ¹⁾	F ¹⁾	G	Fasteners per pod/Nbre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore / Uds./carga	Part No/ref
	nom.	max.	min.	max.	min.	max.									
3.5	3.1	3.50	3.58	3.10	3.17	5.8	5.2	1.62	2.85	6.1	1.4	4.0	62	01722-03506	
							6.1						52	01722-03507	
							7.1						43	01722-03509	
							8.1						38	01722-03510	
							9.1						34	01722-03511	
							10.1						30	01722-03512	
							14.1						21	01722-03517	
4.0	3.6	4.19	4.27	3.61	3.68	6.0	5.2	1.62	2.85	6.4	1.4	4.0	62	01722-04006	
							6.1						52	01722-04007	
							7.1						43	01722-04009	
							8.1						38	01722-04010	
							9.1						34	01722-04011	
							10.1						30	01722-04012	
							12.1						25	01722-04015	

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

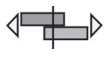

1) dimensions E and F are generated during the installation process and should only be used as an indication of the minimum space required

Les cotes E et F ne sont données qu'à titre et représentent l'encombrement maximal de la tête du RivscREW après pose

Maße E und F werden während der Verarbeitung erzeugt und sollten nur als Anhaltspunkt für den minimalen Platzbedarf verwendet werden

Le dimensioni E e F sono generate durante il processo d'installazione e devono essere usate solo come un'indicazione del minimo spazio richiesto.

Las dimensiones E y F se conforman en el proceso de colocación y deben tomarse como orientativas para comprobar el espacio mínimo necesario.

Ø			Hex Key Size / Dim. clef 6 pans/ Sechskantgröße/ Dim. chiave esagonale/ llave Allen
nom.	kN	kN	
2.8	0.9	0.7	1.60 (1/16")
3.0	0.9	0.8	1.60 (1/16")
3.5	1.0	1.0	2.0 (5/64")
4.0	1.3	1.2	2.5



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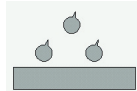
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RivscREW® PL 1742



English	Français	Deutsch	Italiano	Español
Dome head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Zingué	Verzinkt	Zincati	Zincado
Clear passivated	Passivé clair	Klar chromatiert	Passivati	Passivado claro

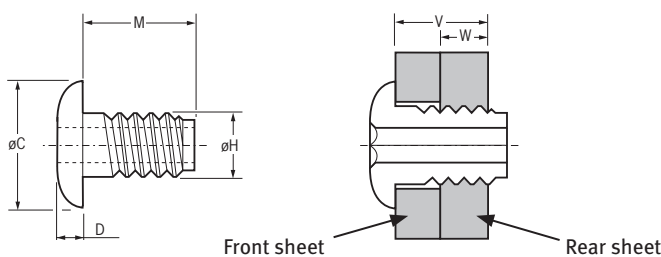
~~Cr6~~



120 h**

* : BS 3111 Type 0, SAE 1008, DIN 1654 Qst 34-3

** : to red rust / à la rouille rouge / bis Rotrost / alla ruggine rossa / al óxido rojo (ASTM B117)



Ø	Ø H		Front sheet / Pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet / Pièce support / unteres Bauteil / piastra posteriore / pieza posterior		ØC	D	M	W	V	Hex Key Size / Dim. clef 6 pans/ Sechskantgröße/ Dim. chiave esagonale / llave Allen	Part No/ref
	nom.	min.	max.	min.	max.	min.							
3.0	2.71	2.81	3.28	3.35	2.82	2.90	± 0.2	± 0.1	6.93	2.79	5.46	1.60 (1/16")	01742-03008
									10.11		8.64		01742-03012
									13.28		11.81		01742-03016
3.5	3.00	3.09	3.53	3.63	3.10	3.18	± 0.2	± 0.1	6.93	2.79	5.46	1.60 (1/16")	01742-03508
									10.11		8.64		01742-03512
									13.28		11.81		01742-03516
4.0	3.29	3.39	4.09	4.17	3.40	3.47	± 0.2	± 0.1	6.93	3.04	5.46	2.00 (5/64")	01742-04008
									10.11		8.64		01742-04012
									13.28		11.81		01742-04016
4.5	3.89	3.99	4.93	5.00	4.00	4.08	± 0.2	± 0.1	6.93	3.04	5.46	2.50	01742-04508
									10.11		8.64		01742-04512
									13.28		11.81		01742-04516

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



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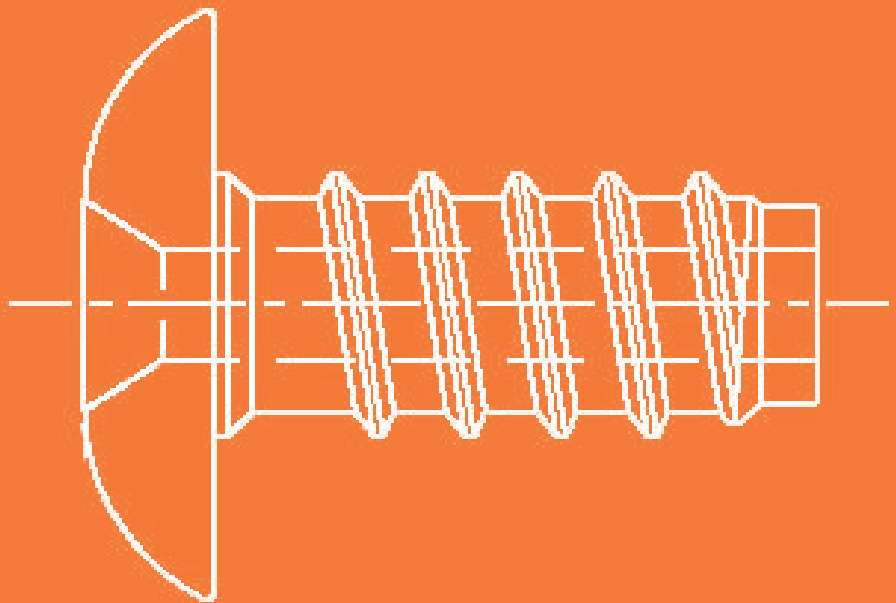
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Rivscrew[®] PL

A speed fastening[®]
system for soft and
hard plastics



FOR A WIDE RANGE OF THERMOPLASTICS

NO RISK OF THREAD STRIPPING OR DEBRIS
DURING INSTALLATION

REMOVABLE AND REUSABLE WITH A
HEXAGONAL KEY

EXCEPTIONAL PULL-OUT STRENGTH

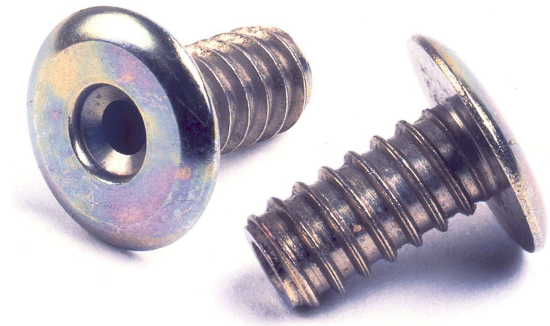


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RIVSCREW® PL

The Speed of Rivet Placement. The Removability of a Screw.

Rivscrew® PL fastener, a proprietary Speed Fastening® system, combines the speed of rivet placement with the removability of a screw. Designed specifically for plastic assembly requirements, the Rivscrew® PL fasteners install up to six times faster than screws and nuts assemblies. And, the new fastener can be removed with a standard hexagonal key up to five times with very little reduction in performance.



Key features and benefits

One-sided installation. Eases assembly.

Designed on the principle of placement by expansion. High pull-out resistance and no risk of stripping and debris during placing.

Use in a wide range of thermoplastics. Increased number of applications and rationalization of part numbers.

No torque control to be applied. No risks of thread strip-out during installation.

Vibration resistant.

Flexible. Accommodates variations in material thickness. No resetting for different joints.

Wide grip range. Enables the replacement of several different screws.

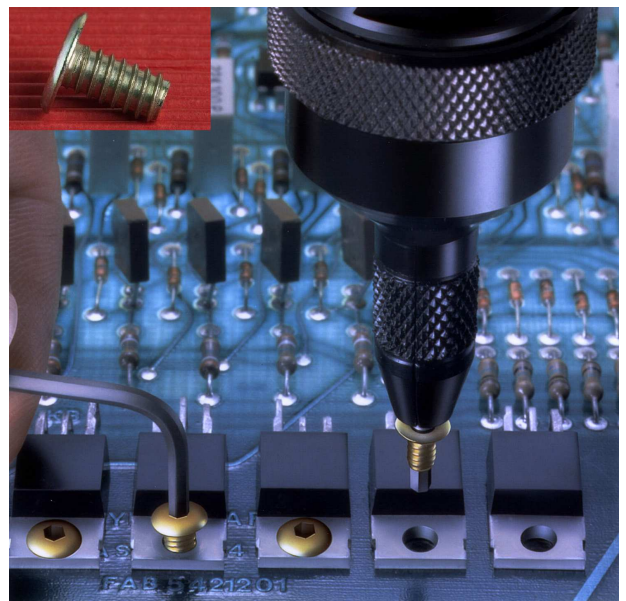
Quick installation with standard equipment. Reduced production and maintenance costs.

Wide choice of installation systems. Increased productivity, efficient introduction into the production process and lower in-place costs.



Wide range of plastics

The Rivscrew® PL fastener features a special head designed for a wide range of plastics with a flexural modulus between 340,000 and 1,400,000 p.s.i. (2000 to 10000 N/mm²).



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RIVSCREW® PL

Material

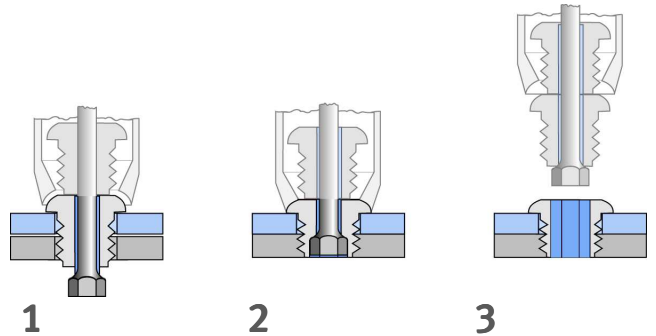
Low carbon steel to BS3111
Type O SAE 1008 DIN 1654 QSt 34-3

Finish

Zinc-plated (Chrome VI free) and clear passivated to achieve 120 hours resistance to red corrosion (ASTM B117)

Placing sequence

- 1 The mandrel with pre-loaded Rivscrew® PL fastener is located in the hole.
- 2 Tool activation pulls the mandrel through the Rivscrew® PL fastener, expanding it within the hole. The Rivscrew® PL fastener forms a thread during installation and draws the materials together to provide secure joints.
- 3 The next Rivscrew® PL fastener is automatically delivered to the nose of the tool, ready to repeat the assembly process.



Range

Diameter 3.0 - 3.5 - 4.0 - 4.5 mm
For thickness from 2.8 to 11.8 mm

Ideal applications

Automotive

Electronics: power steering, ABS, heating control, injection computer
Plastic trim, bumper covers, lighting

Electronics

Domestic appliances, power supplies, chassis, printers

General Industrial

Power tools, toys, plastic enclosures



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RIVSCREW® PL

RIVSCREW® PL

The Ideal Solution for Challenging Situations

Risk of untrained operator over tightening screws during installation and stripping insert thread

The Rivscrew® PL fastener is not rotated during assembly but placed by radial expansion—this feature completely eliminates possibility of strip-out.

Screws lost in the product during assembly creating rattles in the final part when vibration occurs

Because the Rivscrew® PL fastener is on a mandrel during placing, it virtually eliminates potential for loss in the application during placing sequence.

Customer using different screws to cover different thicknesses in the assembly

One part number of any diameter of Rivscrew® PL fastener can cover from 3.0 to 11.8mm of thickness.

Operator cannot handle the product and feed the screwdriver at the same time, increasing cycle time

With an Avdel 753 tool, the Rivscrew® PL fastener is automatically fed to the nose of the tool, so the operator has one hand free to handle the product.

Need for lightweight fasteners

The Rivscrew® PL fastener is hollow, therefore, a very lightweight solution.

Customer wants to standardize placing equipment

Avdel repetition tooling eliminates the need for separate drive guns with different torque settings.

Customer has limited capital expenditure budgets or a complicated approval process

Rivscrew® PL fasteners can be installed with a high-speed assembly tool.

Customer wants to improve heat dispersion

The placing method for Rivscrew® PL fasteners does not create friction so it generates less heat than using screws.

Customer does not want to make a recess into the piece part to accept screw head (between 2 to 4mm of thickness depending on drive system)

After placing, head thickness of Rivscrew® PL fasteners is between 1 and 1.2mm.

Customer has less than 1.5 diameters of thread engagement on the nut material, risking low strip-out torque.

Since the Rivscrew® PL fastener has no torque applied during installation, there is no chance for strip-out.



Notice:

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