

Rivscrew[®] Threaded, Removable Fasteners

Threaded, removable speed fasteners that combine the speed of rivet placement with the removability of a screw.



Key features and benefits

- Expands radially during installation to form a thread in host material, eliminating the risk of over torquing and strip-out
- Placed using a hexagon mandrel which expands the threaded diameter radially, adjacent to its six corners
- Removable for servicing with a hex key and reusable
- Providing a higher vibration resistant “thread lock” in the parent material compared to standard screws
- Can be used to fasten most materials up to Vickers hardness 105 Hv5
- Eliminates the need for costly tapping or thread-forming operations
- Bright tin plated steel option for ease of soldering and good electrical conductivity
- Can be bowl fed for larger volume applications using automated equipment

Specifications

Sizes:

2.8 mm to 4.8 mm

Material:

Zinc plated Steel

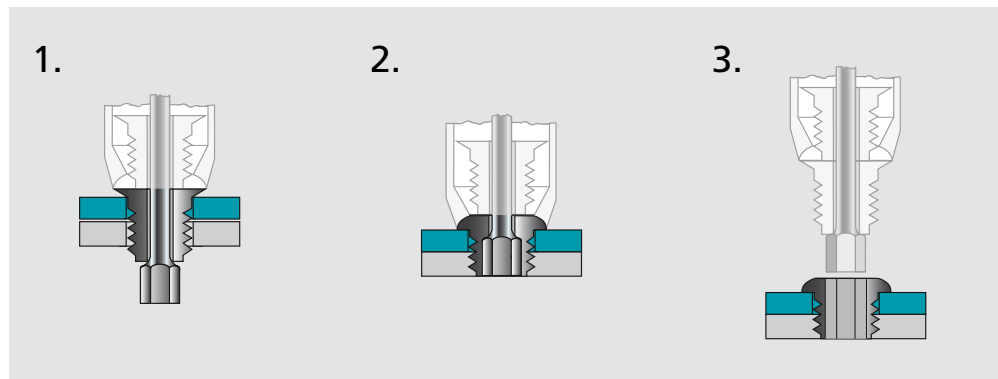
Optional: tin plated

Head Style:

Dome*

*The placed head style depends on the nose equipment used, standard Rivscrew nose equipment gives a dome head style.

Typical placing sequence



Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

Assembly applications

- Aluminum die-cast boxes
- Cast magnesium
- Semi-conductors to thin wall and extruded heatsinks
- Semi-conductors to PCBs
- PCBs to chassis assemblies
- Fastening into injection moulded plastic bosses
- General engineering involving plastics, nylon, polycarbonate etc.

Rivscrew is removable and reusable



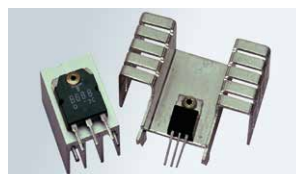
Alternator diode plate to nylon moulding



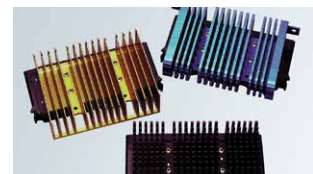
Automotive die-cast chassis with PCB



Semi-conductors to heatsinks and printed circuit boards



Heatsinks to processor cartridges



Seat belt tensioner



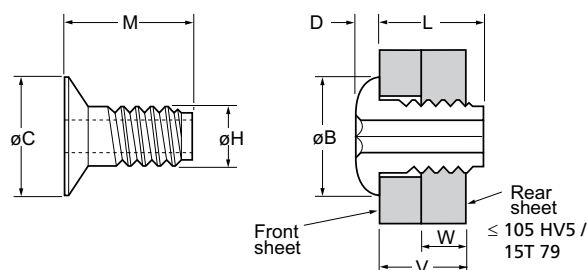


English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated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

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

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

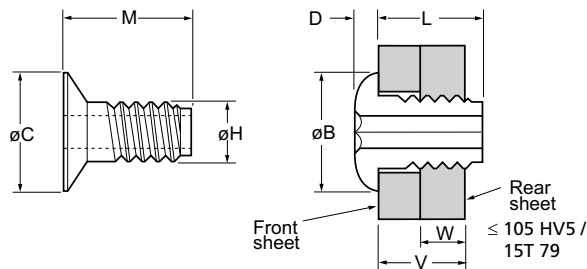
Tin plated: replace part no. 01722 with 01723. / Etamé: remplacer la série 01722 par 01723. / Verzinkt: ersetzen Sie 01722 durch 01723. / Stagnato: sostituire 01722 con 01723. / Estañado: cambiar 01722 por 01723.



1) Dimensions B and D are generated during the installation process and should only be used as an indication of the minimum space required.
Les cotes B et D ne sont données qu'à titre et représentent l'encombrement maximal de la tête du RivscREW après pose.
Maße B und D werden während der Verarbeitung erzeugt und sollten nur als Anhaltspunkt für den minimalen Platzbedarf verwendet werden.
Le dimensioni B e D sono generate durante il processo d'installazione e devono essere usate solo come un'indicazione del minimo spazio richiesto.
Las dimensiones B y D se conforman en el proceso de colocación y deben tomarse como orientativas para comprobar el espacio mínimo necesario.

Ø	ØH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet pièce support / unteres Bauteil / piastra posteriore / pieza posterior		ØC	M	W	V	ØB ¹⁾	D ¹⁾	L	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	min.	max.	max.	max.	max.		
2.8 mm	.1023 (2.6)	.116 (2.95)	.119 (3.02)	.103 (2.62)	.106 (2.70)	.230 (5.9)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.240 (6.1)	.055 (1.4)	.157 (4.0)	62	01722-02806
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-02807
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-02809
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-02810
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-02812
3.0 mm	.1107 (2.8)	.121 (3.07)	.124 (3.15)	.111 (2.82)	.114 (2.89)	.230 (5.9)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.240 (6.1)	.055 (1.4)	.157 (4.0)	62	01722-03006
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-03007
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-03009
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-03010
							.359 (9.2)		.268 (6.81)			.314 (8.0)	34	01722-03011
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-03012
							.515 (13.1)		.422 (10.72)			.467 (11.9)	23	01722-03016

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



1) Dimensions B and D are generated during the installation process and should only be used as an indication of the minimum space required.
Les cotes B et D ne sont données qu'à titre et représentent l'encombrement maximal de la tête du Rivcrew après pose.
Maße B und D werden während der Verarbeitung erzeugt und sollten nur als Anhaltspunkt für den minimalen Platzbedarf verwendet werden.
Le dimensioni B e D sono generate durante il processo d'installazione e devono essere usate solo come un'indicazione del minimo spazio richiesto.
Las dimensiones B y D se conforman en el proceso de colocación y deben tomarse como orientativas para comprobar el espacio mínimo necesario.

Ø	ØH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet pièce support / unteres Bauteil / piastra posteriore / pieza posterior		ØC	M	W	V	ØB ¹⁾	D ¹⁾	L	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	min.	max.	max.	max.	max.		
3.5 mm	.1215 (3.1)	.138 (3.50)	.141 (3.58)	.122 (3.10)	.125 (3.17)	.235 (6.0)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.240 (6.1)	.055 (1.4)	.157 (4.0)	62	01722-03506
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-03507
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-03509
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-03510
							.359 (9.2)		.268 (6.81)			.314 (8.0)	34	01722-03511
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-03512
							.553 (14.1)		.463 (11.76)			.508 (12.9)	21	01722-03517
4.0 mm	.1415 (3.6)	.165 (4.19)	.168 (4.27)	.142 (3.61)	.145 (3.68)	.245 (6.3)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.250 (6.4)	.055 (1.4)	.157 (4.0)	62	01722-04006
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-04007
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-04009
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-04010
							.359 (9.2)		.268 (6.81)			.314 (8.0)	34	01722-04011
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-04012
							.475 (12.1)		.385 (9.78)			.430 (11.0)	25	01722-04015

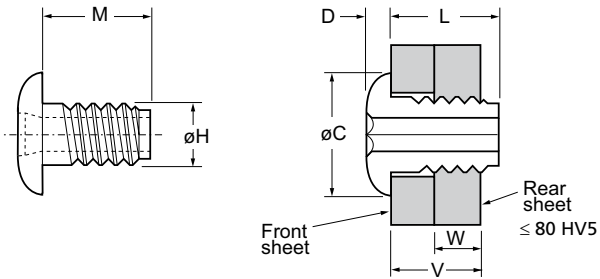
dimensions in inch and (mm) / en pouces et (millimètre) / alle Maße in Zoll und (mm) / in pollici e (millimetri) / en pulgadas y (milímetros)

Ø			Hex Key Size Dim. clef 6 pans / Sechskantgröße / Dim. chiave esagonale / llave Allen
nom.	lbf (kN)	lbf (kN)	
2.8 mm	202 (0.90)	157 (0.70)	1/16" (1.60)
3.0 mm	202 (0.90)	180 (0.80)	1/16" (1.60)
3.5 mm	225 (1.00)	225 (1.0)	5/64" (2.0)
4.0 mm	292 (1.30)	270 (1.2)	2.5 mm



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	Revêtement zingué	Verzinkt	Zincatura	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : SAE 1008



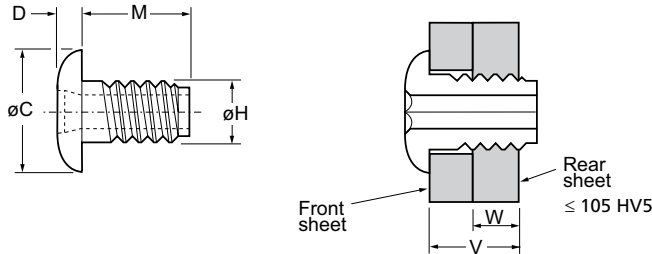
Ø	ØH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet pièce support / unteres Bauteil / piastra poste- riore / pieza posterior		M	ØC	D	W	V	L	Hex Key Size Dim. clef 6 pans / Sechskant- größe / Dim. chiave esagonale / llave Allen	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.	max.			
3/16"	.1765	.193	.197	.177	.181	.327	.374	.067	.110	.256	.342	2.5 mm	28	01733-04810
(4.8)	(4.48)	(4.90)	(5.00)	(4.50)	(4.60)	(8.4)	(9.5)	(1.7)	(2.8)	(6.5)	(8.7)		19	01733-04816
						.522				.453	.531			
						(13.3)				(11.5)	(13.5)			

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



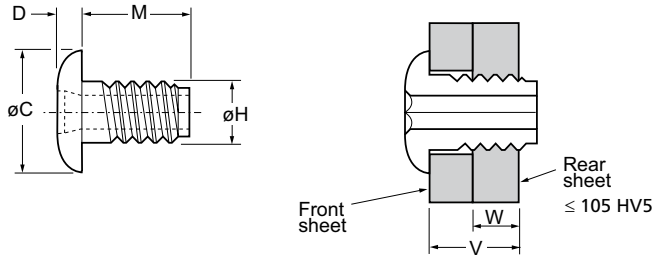
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Revêtement zingué	Verzinkt	Zincatura	Zincado
Clear trivalent passivated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

* : BS 31110 Type 0, SAE 1008, DIN 1654 QSt 34-3



ø	øH	Front sheet pièce à fixer / oberes Bauteil/ piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		M	øC	D	W	V	Hex Key Size Dim. clef 6 pans / Sechskant- größe / Dim. chiave esagonale / llave Allen	Torque-to- turn tenue au couple / Verdreh- moment / coppia di rotazione / resistencia al giro lbf in (Nm)	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.				
2.8 mm	.1023 (2.60)	.116 (2.95)	.119 (3.02)	.103 (2.62)	.106 (2.70)	.164 (4.2)	.244 (6.2)	.047 (1.2)	.064 (1.62)	.124 (3.15)	1/16" (1.60)	2.5 (0.28)	62	01772-02806
						.204 (5.2)				.164 (4.17)			59	01772-02807
						.244 (6.2)				.204 (5.18)			43	01772-02809
						.283 (7.3)				.243 (6.17)			38	01772-02810
						.386 (9.8)				.346 (8.79)			30	01772-02812
3.0 mm	.1107 (2.82)	.121 (3.07)	.124 (3.15)	.111 (2.82)	.114 (2.89)	.164 (4.2)	.244 (6.2)	.047 (1.2)	.064 (1.62)	.124 (3.15)	1/16" (1.60)	2.5 (0.28)	62	01772-03006
						.204 (5.28)				.164 (4.17)			52	01772-03007
						.244 (6.25)				.204 (5.18)			43	01772-03009
						.283 (7.3)				.243 (6.17)			38	01772-03010
						.350 (8.9)				.310 (7.87)			43	01772-03011
						.386 (9.8)				.346 (8.79)			30	01772-03012
						.497 (12.8)				.457 (11.61)			23	01772-03016

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

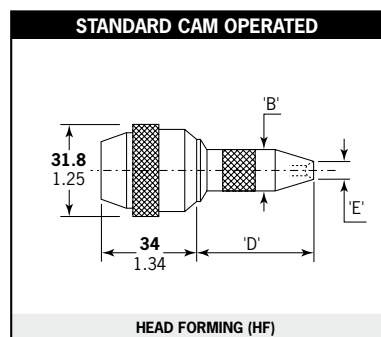


ø	øH	Front sheet pièce à fixer / oberes Bauteil/ piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra poste- riore / pieza posterior		M	øC	D	W	V	Hex Key Size Dim. clef 6 pans / Sechskant- größe / Dim. chiave esagonale / llave Allen	Torque-to- turn tenue au couple / Verdreh- moment / coppia di rotazione / resistencia al giro	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.		lbf in (Nm)	± 1	
3.5 mm	.1215 (3.09)	.138 (3.50)	.141 (3.58)	.122 (3.10)	.125 (3.17)	.164 (4.2)	.244 (6.2)	.047 (1.2)	.064 (1.62)	.124 (3.15)	5/64" (2.0)	5.0 (0.56)	62	01772-03506
						.204 (5.2)				.164 (4.17)			52	01772-03507
						.244 (6.2)				.204 (5.18)			43	01772-03509
						.283 (7.3)				.243 (6.17)			38	01772-03510
						.350 (8.9)				.310 (7.87)			34	01772-03511
						.386 (9.8)				.346 (8.79)			30	01772-03512
						.512 (12.7)				.472 (11.99)			21	01772-03517
4.0 mm	.1415 (3.60)	.165 (4.19)	.168 (4.27)	.142 (3.61)	.145 (3.68)	.164 (4.2)	.244 (6.2)	.047 (1.2)	.064 (1.62)	.112 (2.85)	2.50 mm	5.5 (0.62)	62	01772-04006
						.204 (5.2)				.151 (3.85)			52	01772-04007
						.244 (6.2)				.190 (4.83)			43	01772-04009
						.283 (7.3)				.229 (5.82)			38	01772-04010
						.322 (8.2)				.268 (6.81)			34	01772-04011
						.360 (9.24)				.307 (7.80)			30	01772-04012
						.438 (11.2)				.385 (9.78)			25	01772-04015

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

Rivcrew® 1722 / 1723 Series

Head forming / a formage de tête / kopfformend / a formatura di testa / Tipo de boquilla



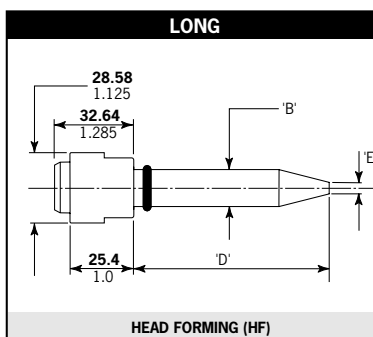
Applications with no or little access restrictions.

Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones de acceso.

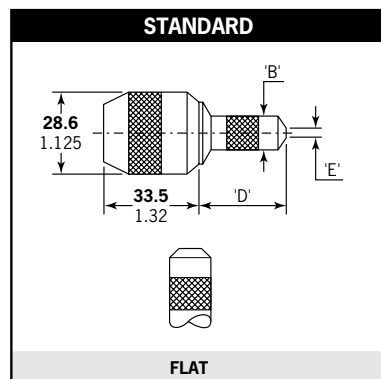


Allows more penetration into applications. Permet une pénétration supérieure dans les applications sans autres contraintes d'accès. Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

Rivcrew® 1772/1733 Series & Rivcrew® PL



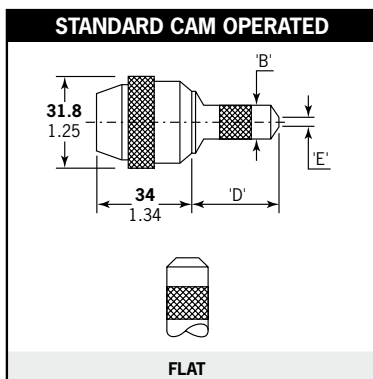
Applications with no or little access restrictions.

Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones de acceso.



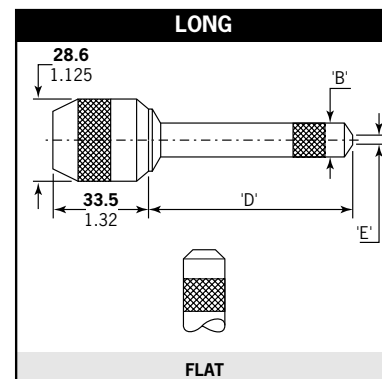
Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure. Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.

Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.

Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.

Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

Rivcrew® 1733 Series



Allows more penetration into applications. Permet une pénétration supérieure dans les applications sans autres contraintes d'accès. Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

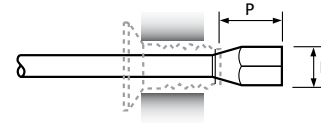
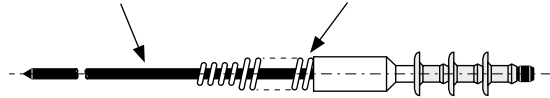
Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

ø nom.	Fastener Rivets Niettyp Rivetti Remaches	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones		
				B	D	E
2.8 mm	Rivscrow® 1722 / 1723 Series	Standard cam operated	07271-03000	.41 (10.41)	1.18 (29.97)	.24 (6.10)
		Long	07271-08600	.61 (15.50)	2.64 (67.10)	.25 (6.35)
3.0 mm		Standard cam operated	07271-03000	.41 (10.41)	1.18 (29.97)	.24 (6.10)
		Long	07271-08600	.61 (15.50)	2.64 (67.10)	.25 (6.35)
3.5 mm		Standard cam operated	07271-03500	.41 (10.41)	1.18 (29.97)	.24 (6.10)
		Long	07271-08700	.61 (15.50)	2.64 (67.10)	.25 (6.35)
4.0 mm		Standard cam operated	07271-04000	.41 (10.41)	1.18 (29.97)	.25 (6.35)
		Long	07271-08800	.61 (15.50)	2.64 (67.10)	.28 (7.10)
2.8 mm	Rivscrow® 1772 Series (preformed head)	Standard	07150-03004	.41 (10.41)	1.18 (29.97)	.20 (5.08)
		Standard cam operated	07170-04600			
3.0 mm		Standard	07150-03004			
		Standard cam operated	07170-04600			
3.5 mm		Standard	07150-03004	.48 (12.19)	1.30 (33.02)	.24 (6.10)
		Standard cam operated	07170-04600			
4.0 mm		Standard	07150-03005	.48 (12.19)	1.30 (33.02)	.24 (6.10)
		Standard cam operated	07170-04700			
4.8 mm	Rivscrow® 1733 Series (preformed head)	Standard	07150-03006	.56 (14.22)	1.18 (29.97)	.20 (8.38)
		Long	07150-04006		2.30 (58.42)	
3.0 mm	Rivscrow® PL (preformed head)	Standard cam operated	07170-04600	.41 (10.41)	1.18 (29.97)	.33 (5.08)
3.5 mm						
4.0 mm		Standard	07150-03005	.48 (12.19)	1.30 (33.02)	.24 (6.10)
4.5 mm						

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

Mandrel / Aiguille / Nietdorn
Mandrino / Mandril

Spring / Ressort d'aiguille / Nietdornfeder
Molla / Muelle



ø	Nose Nez Mundstück Testata Boquilla	Description Description Beschreibung Descrizione Descripción	H A/F	P	Mandrel Aiguille Niedorn Mandrino Mandril	Spring Ressort d'aiguille Nietdornfeder Molla Muelle
nom.	Part No/ref.			max.	Part No/ref	Part No/ref
RivscREW® 1722 / 1723						
2.8	07271-03000	Standard cam operated	.065	.127	07271-06030	07271-06630
	07271-08600	Long	(1.65)	(3.23)	07271-07030	07271-07630
3.0	07271-03000	Standard cam operated	.065	.127	07271-06030	07271-06630
	07271-08600	Long	(1.65)	(3.23)	07271-07030	07271-07630
3.5	07271-03500	Standard cam operated	.0825	.132	07271-06035	07271-06635
	07271-08700	Long	(2.10)	(3.35)	07271-07035	07271-07635
4.0	07271-04000	Standard cam operated	.103	.150	07271-06140	07271-06640
	07271-08800	Long	(2.62)	(3.81)	07271-07140	07271-07640
RivscREW® 1772 Series (preformed head)						
2.8	07150-03004	Standard	.065	.127	07271-06030	07271-06630
	07170-04600	Standard cam operated	(1.65)	(3.23)		
3.0	07150-03004	Standard	.065	.127	07271-06030	07271-06630
	07170-04600	Standard cam operated	(1.65)	(3.23)		
3.5	07150-03004	Standard	.0825	.132	07271-06035	07271-06635
	07170-04600	Standard cam operated	(2.10)	(3.35)		
4.0	07150-03005	Standard	.103	.150	07271-06140	07271-06640
	07170-04700	Standard cam operated	(2.62)	(3.81)		
RivscREW® 1733 Series (preformed head)						
4.8	07150-03006	Standard	.103	.150	07271-06140	07271-06640
	07150-04006	Long	(2.62)	(3.81)	07271-07140	07271-07640
RivscREW® PL 1742 (preformed head)						
3.0 3.5	07170-04600	Standard cam operated	.065 (1.65)	.147 (3.75)	07279-06429	07271-06630
4.0	07150-03005	Standard	.0825 (2.10)	.132 (3.35)	07271-06035	07271-06635
4.5			.103 (2.62)	.150 (3.81)	07271-06140	07271-06640

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