



TECHNISCHER
HANDEL SONN



Rivets | Nuts | Tools



Blindniete | Blindnietmuttern | Nietgeräte



Remaches | Tuercas | Remachadoras

In Zusammenarbeit mit

QONNECT
EUROPEAN RIVET ASSOCIATION



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HANDEL SONN**

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**TECHNISCHER
HANDEL SONN**

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Corporate philosophy

Technology is constantly in a state of flux. As such, it is down to use to liaise with our customers to ensure that their position in the globalized world is both technologically pioneering and technologically competitive. From us you can expect a comprehensive standard product portfolio for Q-Rivet blind rivets, Q-Nut blind rivet nuts, and Q-Tool application tools, as well as custom-made products from drawings. When it comes to supply capability too, we make no compromises and show utmost flexibility. Deliveries are made from our central warehouse at Maastricht Airport in the Netherlands or direct from our production line, in coordination with our customers.

Quality

Quality assurance is our biggest priority. The quality of our services, the satisfaction of our customers, and the new value offered to partners are important conditions of our competitiveness. We therefore attach great significance to quality management as part of our operations. It is only by offering outstanding quality that we can satisfy high expectations and earn the trust of our customers. As such, we follow the PPAP (PPF) procedure in our forward quality planning. Our quality management subjects all new and existing products to comprehensive quality and application testing. By directly integrating our QM system with our global production standards, we can guarantee a consistent level of quality. Our quality management system is certified in accordance with ISO/TS 16949 and DIN EN ISO 14001.

You can expect to receive the following documentation and reports from us:

- PPAP level 3
- IMDS material data sheet
- Initial sample inspection report
- Test certificates in accordance with DIN EN 10204

Our blind rivets are tested in accordance with DIN EN ISO 14589 Blind rivets - Mechanical testing and satisfy the applicable standards DIN EN ISO 15977 - 15984 and 16582 - 16584.

Surface protection systems

Corrosion protection on components in riveted joints is considered essential in many constructions. We offer a wide selection and just the right protection for your needs. When it comes to surface protection, it is about finding the right combination for your product. We recommend the following processes:

- Electroplated zinc
- Electroplated zinc-iron
- Electroplated zinc-nickel
- Zinc flake coating

Please get in touch if you are looking for surface protection or require information from automobile manufacturers under the corresponding standard.

Corrosion testing procedures

We have a very diverse range, and the following list is merely a sample of our testing procedures. Salt spray test in accordance with DIN EN ISO 9227
Kesternich test in accordance with DIN EN ISO 6988

Test reports for coating thickness measurements and long-term tests can be compiled on request. Should you have any questions concerning a specific procedure, please get in touch.

Colour key

Our colour coding and pictured products enable fast material and product allocation.

Colour key for materials:

Aluminium
Steel
Stainless Steel A1
Stainless Steel A2
Stainless Steel A4
Copper
Bronze

We would be happy to send you detailed material information for our fasteners on request.

Packaging Q-Fasteners

Our Q-Fasteners are available in the below packaging options. Please check the current Qconnect Pricelist for the actual box quantities. On request Qconnect can also offer a larger Blister-program.

Information, enquiry or order?

Please add to the article code the required packaging number.

Example:

10AS148120 for bulk packed (≥ 1000 pcs)



10AS148121 for small packed (≤ 500 pcs)



10AS148122 for blister packed (≤ 100 pcs)



Unternehmensphilosophie

Technologien verändern sich ständig. Daher ist uns am Austausch mit unseren Kunden gelegen, um sie in der globalisierten Welt technologisch stets zukunftsweisend und konkurrenzfähig aufzustellen. Ein umfangreiches Standard-Lieferprogramm für Q-Rivet Blindniete, Q-Nut Blindnietmuttern und Q-Tool Verarbeitungsgeräte, aber auch Sonderanfertigungen nach Zeichnung können Sie von uns erwarten. Auch bei der Lieferbereitschaft machen wir keine Kompromisse und zeigen Flexibilität. Die Lieferungen erfolgen von unserem Zentrallager in Maastricht Airport in den Niederlanden, oder direkt aus unserer Produktion in Abstimmung mit unseren Kunden.

Qualität

Qualitätssicherung ist unser oberstes Gebot. Die Qualität unserer Dienstleistungen, die Zufriedenheit unserer Kunden, der für unsere Partner darbietende neue Wert sind wichtige Bedingungen unserer Wettbewerbsfähigkeit. Dementsprechend schreiben wir während unserer Tätigkeit dem Qualitätsmanagement betonte Bedeutung zu. Nur durch Qualität können wir die hohen Ansprüche erfüllen und das Vertrauen unserer Kunden gewinnen. Deshalb setzen wir bei der Qualitätsvorausplanung auf das Verfahren: PPAP (PPF). Unser Qualitätsmanagement unterzieht neue und bestehende Produkte einer umfassenden Qualitäts- und Anwendungsprüfung. Durch direkte Vernetzung unseres QM-Systems mit unseren weltweiten Produktionsstandorten ist eine konstante Qualität gewährleistet. Die Zertifizierung des Qualitätsmanagement-Systems erfolgte nach ISO/TS 16949 und nach DIN EN ISO 14001.

Sie können von uns folgende Dokumentationen und Berichte erwarten:

- PPAP Level 3
- IMDS Materialdatenblatt
- Erstmusterprüfbericht (EMPB)
- Prüfbescheinigungen nach DIN EN 10204

Die Prüfung unserer Blindniete erfolgt nach der Norm DIN EN ISO 14589 - Mechanische Prüfung Blindniete- und entsprechen den gültigen Normen DIN EN ISO 15977 - 15984, 16582 - 16584.

Oberflächenschutzsysteme

Dem Korrosionsschutz von Bauteilen bei Nietverbindungen wird in vielen Konstruktionen eine wesentliche Bedeutung zugesprochen. Wir bieten Ihnen eine breite Auswahl und das für Ihren Anwendungsfall genau richtige Produkt. Beim Oberflächenschutz gilt es, die richtige Kombination für Ihr Produkt zu finden. Wir empfehlen folgende Verfahren:

- Galvanisch Zink
- Galvanisch Zink-Eisen
- Galvanisch Zink-Nickel
- Zink-Lamellen Beschichtung

Sprechen Sie uns an, wenn Sie einen Oberflächenschutz vermissen, oder nach entsprechender Norm von Automobilherstellern Informationen benötigen.

Korrosionsprüfverfahren

Das Angebot ist sehr vielfältig, die folgende Aufzählung bildet nur einen Auszug unserer Prüfverfahren.

Salzsprühnebelprüfung nach DIN EN ISO 9227

Kesternich-Prüfung nach DIN EN ISO 6988

Auf Wunsch werden Prüfprotokolle über die Schichtdickenmessungen und Langzeittests erstellt. Wenn Sie fragen zu speziellen Verfahren haben, so setzen Sie sich bitte mit uns in Verbindung.

Farblegende

Mit unserem Farbcode und den abgebildeten Produkten ist eine schnelle Material- und Produktzuordnung möglich.

Farblegende der Materialien:

Aluminium
Stahl
Edelstahl A1
Edelstahl A2
Edelstahl A4
Kupfer
Bronze

Detaillierte Materialangaben unserer Befestiger senden wir Ihnen auf Anfrage.

Verpackungseinheit Q-Verbindungselemente

Unsere Q-Verbindungselemente sind in den unten aufgeführten Verpackungseinheiten erhältlich. Die Stückzahlen pro Einheit sind in unserer aktuellen Connect-Preisliste pro Abmessung angegeben. Auf Anfrage bietet Connect auch eine große Auswahl an Blistern.

Information, Anfrage oder Auftrag?

Bitte ergänzen Sie die Artikelnummer mit der erforderlichen Ziffer für die von Ihnen gewünschte Verpackungseinheit:

Beispiel:

10AS148120 für lose geschüttet Großpakete (≥1000 St)



10AS148121 für Kleinpakete (≤500 St)



10AS148122 für Blister (≤100 St)



Filosofía corporativa

La tecnología se encuentra siempre en constante evolución. Como tal, nos corresponde a nosotros mantener una estrecha relación con nuestros clientes para asegurarnos de que su posición en el mundo globalizado es a la vez tanto pionera como competitiva tecnológicamente. Puede esperar de nosotros una completa cartera de productos estándar de remaches ciegos Q-Rivet, tuercas para remaches ciegos Q-Nut y herramientas de aplicación Q-Tool, además de productos fabricados por encargo a través de planos. Asimismo, en cuanto a la capacidad de oferta no hacemos concesiones y brindamos la máxima flexibilidad. Las entregas se realizan desde nuestro almacén central en el aeropuerto de Maastricht Airport en los Países Bajos o directamente a través de nuestra línea de producción en coordinación con nuestros clientes.

Calidad

La garantía de calidad es nuestra mayor prioridad. La calidad de nuestros servicios, la satisfacción de nuestros clientes y el nuevo valor ofrecido a nuestros socios son condiciones importantes para nuestra capacidad competitiva. Por esta razón, atribuimos una gran importancia a la gestión de calidad como parte de nuestras operaciones. Solo ofreciendo una calidad extraordinaria podremos satisfacer las altas expectativas y ganarnos la confianza de nuestros clientes. Como tal seguimos el Proceso de aprobación de partes para la producción (PPAP por sus siglas en inglés) en nuestra planificación prospectiva de la calidad. Nuestro departamento de gestión de calidad somete a pruebas exhaustivas de calidad y aplicación a todos los productos nuevos y existentes. Al integrar directamente nuestro sistema de gestión de calidad en nuestros estándares de producción global podemos garantizar un nivel de calidad constante. Nuestro sistema de gestión de calidad está certificado de acuerdo con ISO/TS 16949 y DIN EN ISO 14001.

Ustedes pueden estar seguros de recibir siempre la siguiente documentación e informes:

- PPAP nivel 3
- Ficha técnica de materiales SIDM
- Informe de inspección inicial de la muestra
- Certificados de prueba de acuerdo con la normativa DIN EN 10204

Nuestros remaches ciegos se prueban en conformidad con la normativa DIN EN ISO 14589 Remaches ciegos - Ensayos mecánicos y cumplen las normativas aplicables DIN EN ISO 15977 - 15984 y 16582 - 16584.

Sistemas de protección de superficies

La protección contra la corrosión de los componentes de las juntas remachadas se considera esencial en muchas construcciones. Ofrecemos una amplia selección y la protección ideal para sus necesidades. En cuanto a la protección de superficies lo importante es encontrar la combinación adecuada para su producto. Le recomendamos los siguientes procesos:

- Zinc electrogalvanizado
- Zinc-hierro electrogalvanizado
- Zinc-níquel electrogalvanizado
- Revestimiento de zinc lamelar

Póngase en contacto con nosotros si está buscando protección para superficies o precisa información de los fabricantes de automóviles de acuerdo a la normativa correspondiente.

Procedimientos de prueba de corrosión

Disponemos una gama muy diversa de procedimientos de prueba y la siguiente lista es simplemente una muestra de nuestra oferta.

Prueba de corrosión con niebla salina en conformidad con DIN EN ISO 9227

Prueba de Kesternich en conformidad con DIN EN ISO 6988

Se pueden elaborar informes de prueba para mediciones de espesor de recubrimiento y pruebas de larga duración previa solicitud. Si tiene alguna pregunta relativa a un procedimiento específico, póngase en contacto con nosotros.

Lyenda del color

Nuestros códigos de color y las imágenes de los productos permiten una rápida contingentación de materiales y productos.

Lyenda del color de los materiales:

Aluminio
Acero
Inox A1
Inox A2
Inox A4
Cobre
Bronce

Estaremos encantados de enviarle información detallada sobre los materiales para nuestros elementos de sujeción previa solicitud.

Empaquetado Q-Fasteners

Nuestros Q-Fasteners están disponibles en las siguientes formas de empaquetado. Porfavor consulte la lista de precios actual de Qonnect para ver la lista actualizada de unidades por caja. Si lo solicita, Qonnect también ofrece una gran variedad de productos envasados al blister (Large Blister-program). Información, duda o pedido? Porfavor añade el número del paquete al código del artículo.

Por ejemplo:

10AS148120 para paquetes grande (≥1000 pcs)



10AS148121 para paquetes pequeño (≤500 pcs)



10AS148122 para paquetes „blister“ (≤100 pcs)





Painted rivets

Aluminium / Steel



Lackierte Blindniete

Aluminium / Stahl



Remaches lacados

Aluminio / Acero



- Option available to colour aluminium and steel type rivets.
- Three head style: (A) dome head / (B) countersunk head / (C) (extra) large head.
- All kind of RAL colours and in several quality standards are available on request.
- Sample colours below are for reference only, please refer to an original RAL colour card for a precise reproduction.
- RAL colours also available for other products on request.

Add to the article code the required packaging **number** and add the letter R + required RAL number.

Example: 10AS148121**R9005**

- Option zur Einfärbung von Aluminium- und Stahlnieten.
- Drei Kopfformen: (A) Flachrundkopf / (B) Senkkopf / (C) (extra) Großkopf.
- Die Nieten sind auf Anfrage in allen RAL-Farben und mehreren Qualitätsstandards erhältlich.
- Die Beispielfarben unten dienen nur als Referenz; für eine präzise Farbwiedergabe verwenden Sie bitte eine Original-RAL-Farbkarte.
- Auf Anfrage sind RAL-Farben auch für andere Produkte erhältlich.

Ergänzen Sie die Artikelnummer mit der entsprechenden **Ziffer** für die Verpackungseinheit und mit dem RAL-Farbcode für die gewünschte Farbe.

Beispiel: 10AS148121**R9005**

- Opciones disponibles para colorear remaches de los tipos de aluminio y acero.
- Estilo de tres cabezas: (A) remache alomada / (B) remache avellanada / (C) remache cabeza (extra) ancha.
- Todos los tipos de colores RAL están disponibles previa solicitud en diferentes niveles de calidad.
- Los colores de muestra más abajo sirven tan solo como referencia, consulte una tarjeta de color RAL original para ver una reproducción precisa.
- Los colores RAL están también disponibles para otros productos previa solicitud.

Añade el número del paquete al código del **artículo** poniendo la letra R + el número RAL.

Por ejemplo: 10AS148121**R9005**



TECHNISCHER HANDEL SONN



Blindnieten



Specifications

- Types: dome head, (extra) large head and countersunk head
- Available in all RAL colours
- Grip range: from 0.5 to 55.0 mm
- Stock: Ø2.4 – 3.0 – 3.2 – 4.0 – 4.8 – 5.0 – 6.0 and 6.4 mm in various lengths



Spezifikationen

- Typen: Flachrundkopf, (extra) Großkopf und Senkkopf
- Lieferbar in allen RAL-Farben
- Klemmbereiche: von 0.5 bis 55.0 mm
- Lager: Ø2.4 – 3.0 – 3.2 – 4.0 – 4.8 – 5.0 – 6.0 und 6.4 mm in verschiedenen Längen



Especificaciones

- Tipos: remache alomada, remache cabeza (extra) ancha y remache avellanado
- Disponible en todos los colores de la tabla RAL
- Gama de espesores: desde 0.5 mm hasta 55.0 mm
- Stock: Ø2.4 – 3.0 – 3.2 – 4.0 – 4.8 – 5.0 – 6.0 y 6.4 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
 12/14 mm	✓	✓	✓	✓	✓	✓	✓	✓
 16 mm	✓	✓	✓	✓	✗	✗	✗	✗
 16 mm	✓	✓	✓	✓	✗	✗	✗	✗
 11 mm	✓	✗	✗	✗	✗	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS


ASR64-PT


QR50


 For packaging and technical specifications please check the index pages (page 6)

 Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)

 Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



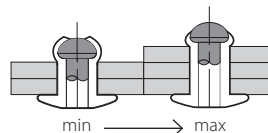
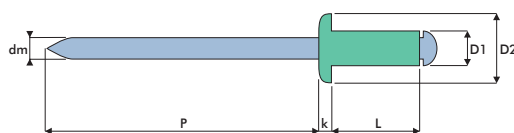
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
2.4	4.0	0.5 - 2.0	2.5	5.0	0.8	1.37	26	550	350	10AS12404
	6.0	2.0 - 4.0								10AS12406
	8.0	4.0 - 6.0								10AS12408
	10.0	6.0 - 8.0								10AS12410
	12.0	8.0 - 9.5								10AS12412
3.0	4.0	0.5 - 1.5	3.1	6.3	1.0	1.70	26	850	550	10AS13004
	6.0	1.5 - 3.5								10AS13006
	8.0	3.5 - 5.0								10AS13008
	10.0	5.0 - 7.0								10AS13010
	12.0	7.0 - 9.0								10AS13012
	14.0	9.0 - 11.0								10AS13014
	16.0	10.0 - 13.0								10AS13016
	18.0	11.0 - 15.0								10AS13018
	20.0	15.0 - 17.0								10AS13020
3.2	4.0	0.5 - 1.5	3.3	6.3	1.0	1.75	26	1100	750	10AS13204
	6.0	1.5 - 3.5								10AS13206
	8.0	3.5 - 5.0								10AS13208
	10.0	5.0 - 7.0								10AS13210
	12.0	7.0 - 9.0								10AS13212
	14.0	9.0 - 11.0								10AS13214
	16.0	10.0 - 13.0								10AS13216
	18.0	11.0 - 15.0								10AS13218
	20.0	15.0 - 17.0								10AS13220
	25.0	17.0 - 22.0								10AS13225
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1800	1250	10AS14006
	8.0	3.0 - 5.0								10AS14008
	10.0	5.0 - 6.5								10AS14010
	12.0	6.5 - 8.5								10AS14012
	14.0	7.5 - 9.5								10AS14014



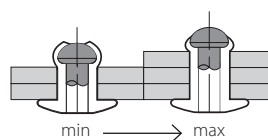
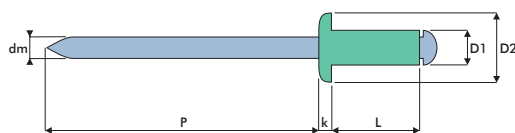
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.0	16.0	8.5 - 12.5	4.1	8.0	1.3	2.15	27	1800	1250	10AS14016
	18.0	10.5 - 14.5								10AS14018
	20.0	12.5 - 16.5								10AS14020
	23.0	15.5 - 18.0								10AS14023
	25.0	16.5 - 21.0								10AS14025
	30.0	21.0 - 25.0								10AS14030
	35.0	25.0 - 30.0								10AS14035
4.8	6.0	1.5 - 2.5	4.9	9.5	1.4	2.63	28	2600	1850	10AS14806
	8.0	2.5 - 4.0								10AS14808
	10.0	4.0 - 6.0								10AS14810
	12.0	6.0 - 8.0								10AS14812
	14.0	7.0 - 9.0								10AS14814
	16.0	8.0 - 12.0								10AS14816
	18.0	11.0 - 13.0								10AS14818
	20.0	12.0 - 15.0								10AS14820
	22.0	14.0 - 17.0								10AS14822
	25.0	15.0 - 20.0								10AS14825
	28.0	18.0 - 22.0								10AS14828
	30.0	20.0 - 25.0								10AS14830
	35.0	25.0 - 30.0								10AS14835
	40.0	30.0 - 35.0								10AS14840
	45.0	35.0 - 40.0								10AS14845
	50.0	40.0 - 45.0								10AS14850
	55.0	45.0 - 50.0								10AS14855
	60.0	50.0 - 55.0								10AS14860
5.0	6.0	1.5 - 2.5	5.1	9.5	1.4	2.63	28	3100	2150	10AS15006
	8.0	2.5 - 4.0								10AS15008
	10.0	4.0 - 6.0								10AS15010
	12.0	6.0 - 8.0								10AS15012
	14.0	7.0 - 9.0								10AS15014



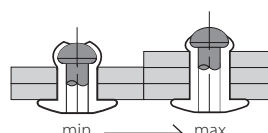
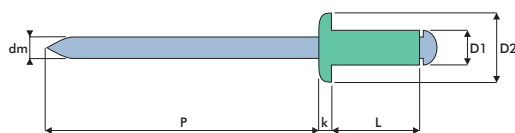
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
5.0	16.0	8.0 - 12.0	5.1	9.5	1.4	2.63	28	3100	2150	10AS15016
	18.0	11.0 - 13.0								10AS15018
	20.0	12.0 - 15.0								10AS15021
	25.0	15.0 - 20.0								10AS15025
	27.0	20.0 - 22.0								10AS15027
	28.0	21.0 - 23.0								10AS15028
	30.0	20.0 - 25.0								10AS15030
	35.0	25.0 - 30.0								10AS15035
	40.0	30.0 - 35.0								10AS15040
	45.0	35.0 - 40.0								10AS15045
	50.0	40.0 - 45.0								10AS15050
6.0	8.0	2.0 - 3.0	6.1	12.0	1.9	3.19	30	4600	3200	10AS16008
	10.0	3.0 - 5.0								10AS16010
	12.0	5.0 - 7.0								10AS16012
	14.0	6.0 - 9.0								10AS16014
	16.0	7.0 - 11.0								10AS16016
	18.0	11.0 - 12.0								10AS16018
	22.0	12.0 - 16.0								10AS16022
	26.0	15.0 - 20.0								10AS16026
	30.0	20.0 - 25.0								10AS16030
6.4	10.0	1.0 - 3.0	6.5	13.0	2.2	3.65	32	4850	3400	10AS16410
	12.0	3.0 - 6.0								10AS16412
	15.0	5.0 - 9.0								10AS16415
	18.0	9.0 - 12.0								10AS16418
	22.0	12.0 - 15.0								10AS16422
	26.0	15.0 - 18.0								10AS16426
	30.0	18.0 - 23.0								10AS16430
	35.0	23.0 - 28.0								10AS16435
	40.0	28.0 - 32.0								10AS16440



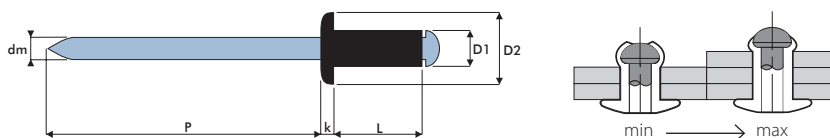
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	1.5 - 3.5	3.3	6.3	1.0	1.75	26	1100	750	10AS13206
	8.0	3.5 - 5.0								10AS13208
	10.0	5.0 - 7.0								10AS13210
	12.0	7.0 - 9.0								10AS13212
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1800	1250	10AS14006
	8.0	3.0 - 5.0								10AS14008
	10.0	5.0 - 6.5								10AS14010
	12.0	6.5 - 8.5								10AS14012
	14.0	7.5 - 9.5								10AS14014
	16.0	8.5 - 12.5								10AS14016
	18.0	10.5 - 14.5								10AS14018
	20.0	12.5 - 16.5								10AS14020
4.8	6.0	1.5 - 2.5	4.9	9.5	1.4	2.63	28	2600	1850	10AS14806
	8.0	2.5 - 4.0								10AS14808
	10.0	4.0 - 6.0								10AS14810
	12.0	6.0 - 8.0								10AS14812
	14.0	7.0 - 9.0								10AS14814
	16.0	8.0 - 12.0								10AS14816
	18.0	11.0 - 13.0								10AS14818
	20.0	12.0 - 15.0								10AS14820

Add to the article code the required packaging **number** and add the letter R + required RAL number.
Example: 10AS148121**R9005**

Ergänzen Sie die Artikelnummer mit der entsprechenden **Ziffer** für die Verpackungseinheit und mit dem RAL-Farbcode für die gewünschte Farbe.
Beispiel: 10AS148121**R9005**

Añade el número del paquete al código del **artículo** poniendo la letra R + el número RAL.
Por ejemplo: 10AS148121**R9005**



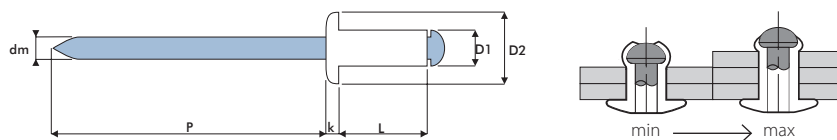
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	1.5 - 3.5	3.3	6.3	1.0	1.75	26	1100	750	10AS13206
	8.0	3.5 - 5.0								10AS13208
	10.0	5.0 - 7.0								10AS13210
	12.0	7.0 - 9.0								10AS13212
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1800	1250	10AS14006
	8.0	3.0 - 5.0								10AS14008
	10.0	5.0 - 6.5								10AS14010
	12.0	6.5 - 8.5								10AS14012
	14.0	7.5 - 9.5								10AS14014
	16.0	8.5 - 12.5								10AS14016
	18.0	10.5 - 14.5								10AS14018
	20.0	12.5 - 16.5								10AS14020
4.8	6.0	1.5 - 2.5	4.9	9.5	1.4	2.63	28	2600	1850	10AS14806
	8.0	2.5 - 4.0								10AS14808
	10.0	4.0 - 6.0								10AS14810
	12.0	6.0 - 8.0								10AS14812
	14.0	7.0 - 9.0								10AS14814
	16.0	8.0 - 12.0								10AS14816
	18.0	11.0 - 13.0								10AS14818
	20.0	12.0 - 15.0								10AS14820

 Add to the article code the required packaging **number** and add the letter R + required RAL number.
 Example: 10AS148121**R9010**

 Ergänzen Sie die Artikelnummer mit der entsprechenden **Ziffer** für die Verpackungseinheit und mit dem RAL-Farbcode für die gewünschte Farbe.
 Beispiel: 10AS148121**R9010**

 Añade el número del paquete al código del **artículo** poniendo la letra R + el número RAL.
 Por ejemplo: 10AS148121**R9010**



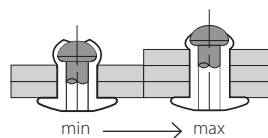
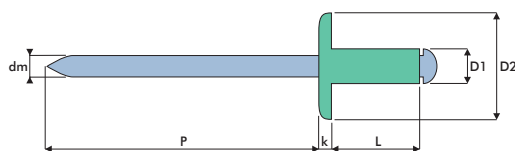
Body: **Aluminium**
Stem: **Steel**
Large head



Hülse: **Aluminium**
Dorn: **Stahl**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza ancha



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.0	1.5 - 3.0	3.3	9.5	1.2	1.75	26	1100	750	10AS23206
	8.0	3.0 - 5.0								10AS23208
	10.0	5.0 - 7.0								10AS23210
	12.0	7.0 - 9.0								10AS23212
	14.0	9.0 - 11.0								10AS23214
4.0	6.0	1.0 - 3.0	4.1	12.0	1.5	2.15	27	1800	1250	10AS24006
	8.0	3.0 - 5.0								10AS24008
	10.0	5.0 - 6.5								10AS24010
	12.0	6.5 - 8.5								10AS24012
	14.0	7.5 - 9.5								10AS24014
	16.0	8.5 - 12.5								10AS24016
	18.0	10.5 - 14.5								10AS24018
	20.0	12.5 - 16.5								10AS24020
4.8	8.0	2.5 - 4.0	4.9	14.0	1.6	2.63	28	2600	1850	10AS24808
	10.0	4.0 - 6.0								10AS24810
	12.0	6.0 - 8.0								10AS24812
	14.0	7.0 - 9.0								10AS24814
	16.0	8.0 - 12.0								10AS24816
	18.0	11.0 - 13.0								10AS24818
	20.0	12.0 - 15.0								10AS24820
	22.0	14.0 - 17.0								10AS24822
	24.0	15.0 - 19.0								10AS24824
	25.0	15.0 - 20.0								10AS24825
	26.0	16.0 - 18.0								10AS24826
	28.0	18.0 - 22.0								10AS24828
	30.0	20.0 - 25.0								10AS24830
	35.0	25.0 - 30.0								10AS24835



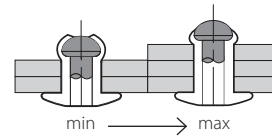
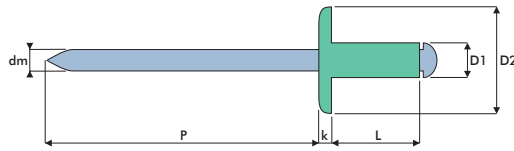
Body: **Aluminium**
Stem: **Steel**
Large head



Hülse: **Aluminium**
Dorn: **Stahl**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza ancha



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
5.0	8.0	2.5 - 4.0	5.1	14.0	1.6	2.63	28	3100	2150	10AS25008
	10.0	4.0 - 6.0								10AS25010
	12.0	6.0 - 8.0								10AS25012
	14.0	7.0 - 9.0								10AS25014
	16.0	8.0 - 12.0								10AS25016
	18.0	11.0 - 13.0								10AS25018
	21.0	13.0 - 16.0								10AS25021
	24.0	15.0 - 19.0								10AS25024
	27.0	20.0 - 22.0								10AS25027
	30.0	20.0 - 25.0								10AS25030

Q-STANDARD



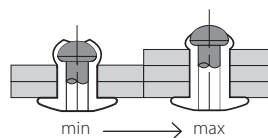
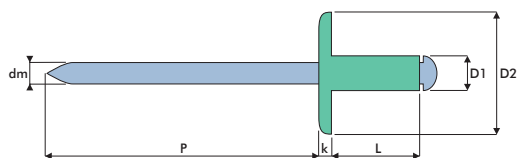
Body: **Aluminium**
Stem: **Steel**
Extra large head



Hülse: **Aluminium**
Dorn: **Stahl**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza extra ancha



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	3.5 - 5.5	4.9	16.0	1.8	2.63	28	2600	1850	10AS34810
	12.0	5.5 - 7.5								10AS34812
	14.0	7.5 - 9.5								10AS34814
	16.0	9.0 - 11.0								10AS34816
	18.0	11.0 - 13.0								10AS34818
	20.0	13.0 - 15.0								10AS34820
	22.0	15.0 - 17.0								10AS34822
	24.0	17.0 - 19.0								10AS34824
	25.0	18.0 - 20.0								10AS34825
	26.0	19.0 - 21.0								10AS34826
	28.0	18.0 - 22.0								10AS34828
	30.0	20.0 - 25.0								10AS34830
	35.0	25.0 - 30.0								10AS34835
5.0	10.0	4.0 - 6.0	5.1	16.0	1.6	2.63	28	3100	2150	10AS35010
	12.0	6.0 - 8.0								10AS35012
	14.0	7.0 - 9.0								10AS35014
	16.0	8.0 - 12.0								10AS35016
	18.0	11.0 - 13.0								10AS35018
	21.0	13.0 - 16.0								10AS35021
	24.0	17.0 - 19.0								10AS35024
	27.0	20.0 - 22.0								10AS35027
	30.0	20.0 - 25.0								10AS35030



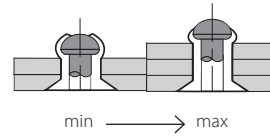
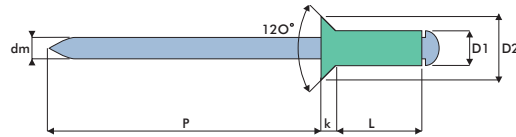
Body: **Aluminium**
Stem: **Steel**
Countersunk head



Hülse: **Aluminium**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache avellanada



DIN EN ISO 15978

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
2.4	6.0	2.0 - 4.0	2.5	5.0	0.8	1.37	26	550	350	10AS42406
	8.0	4.0 - 6.0								10AS42408
	10.0	6.0 - 8.0								10AS42410
3.0	6.0	2.0 - 3.5	3.1	6.0	1.0	1.70	26	850	550	10AS43006
	8.0	3.5 - 5.0								10AS43008
	10.0	5.0 - 7.0								10AS43010
	12.0	7.0 - 9.0								10AS43012
	14.0	9.0 - 11.0								10AS43014
3.2	6.0	1.5 - 3.5	3.3	6.0	1.0	1.75	26	1100	750	10AS43206
	8.0	3.5 - 5.0								10AS43208
	10.0	5.0 - 7.0								10AS43210
	12.0	7.0 - 9.0								10AS43212
	14.0	9.0 - 11.0								10AS43214
	16.0	9.0 - 13.0								10AS43216
4.0	6.0	1.5 - 2.0	4.1	7.5	1.3	2.15	27	1800	1250	10AS44006
	8.0	2.0 - 5.0								10AS44008
	10.0	5.0 - 6.5								10AS44010
	12.0	6.5 - 8.5								10AS44012
	14.0	8.0 - 10.5								10AS44014
	16.0	8.5 - 12.5								10AS44016
	18.0	10.5 - 14.0								10AS44018
	20.0	12.5 - 16.5								10AS44020



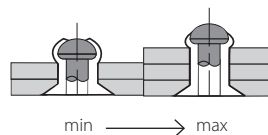
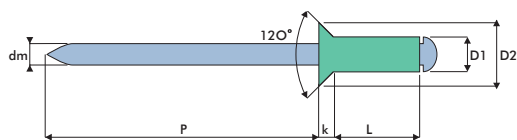
Body: **Aluminium**
Stem: **Steel**
Countersunk head



Hülse: **Aluminium**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache avellanada



DIN EN ISO 15978

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	6.0	1.5 - 2.5	4.9	9.0	1.5	2.63	28	2600	1850	10AS44806
	8.0	2.5 - 4.0								10AS44808
	10.0	4.0 - 6.0								10AS44810
	12.0	6.0 - 8.0								10AS44812
	14.0	7.0 - 10.0								10AS44814
	16.0	8.0 - 12.0								10AS44816
	18.0	9.0 - 13.0								10AS44818
	21.0	13.0 - 16.0								10AS44821
	22.0	15.0 - 17.0								10AS44822
	25.0	15.0 - 20.0								10AS44825
	30.0	20.0 - 25.0								10AS44830
	35.0	25.0 - 30.0								10AS44835
5.0	8.0	2.5 - 4.0	5.1	9.0	1.5	2.63	28	3100	2150	10AS45008
	10.0	4.0 - 6.0								10AS45010
	12.0	6.0 - 8.0								10AS45012
	14.0	7.0 - 9.0								10AS45014
	16.0	8.0 - 12.0								10AS45016
	18.0	9.0 - 13.0								10AS45018
	20.0	12.0 - 15.0								10AS45020
	25.0	15.0 - 20.0								10AS45025
	30.0	20.0 - 25.0								10AS45030



Body: **Aluminium**
Stem: **Steel**

Large head (11 mm)



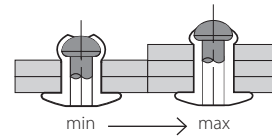
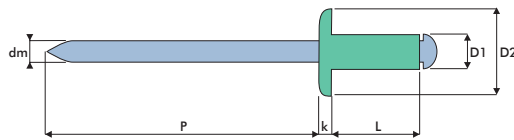
Hülse: **Aluminium**
Dorn: **Stahl**

Großkopf (11 mm)



Cuerpo: **Aluminio**
Vástago: **Acero**

Remache cabeza ancha (11 mm)



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	8.0	2.5 - 4.0	4.9	11.0	1.4	2.63	28	2600	1850	10AS54808
	10.0	4.0 - 6.0								10AS54810
	12.0	6.0 - 8.0								10AS54812
	14.0	7.0 - 9.0								10AS54814
	16.0	9.0 - 11.0								10AS54816
	18.0	11.0 - 13.0								10AS54818
	20.0	12.0 - 15.0								10AS54820
5.0	8.0	2.5 - 4.0	5.1	11.0	1.4	2.63	28	3100	2150	10AS55008
	10.0	4.0 - 6.0								10AS55010
	12.0	6.0 - 8.0								10AS55012
	14.0	7.0 - 9.0								10AS55014
	16.0	9.0 - 11.0								10AS55016
	18.0	11.0 - 13.0								10AS55018
	20.0	12.0 - 15.0								10AS55020
	25.0	15.0 - 20.0								10AS55025
	30.0	20.0 - 25.0								10AS55030



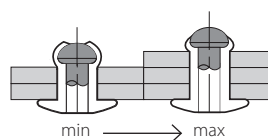
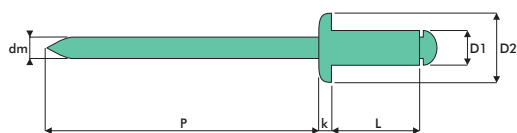
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



DIN EN ISO 15981

D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	1.5 - 3.5	3.3	6.0	1.0	1.95	26	700	500	10AA13206
	8.0	3.5 - 5.0								10AA13208
	10.0	5.0 - 7.0								10AA13210
	12.0	7.0 - 9.0								10AA13212
	14.0	9.0 - 11.0								10AA13214
	16.0	9.0 - 13.0								10AA13216
4.0	6.0	1.0 - 3.0	4.1	8.0	1.2	2.43	27	1200	850	10AA14006
	8.0	3.0 - 5.0								10AA14008
	10.0	5.0 - 6.5								10AA14010
	12.0	6.5 - 8.5								10AA14012
	14.0	7.5 - 9.5								10AA14014
	16.0	8.5 - 12.5								10AA14016
	18.0	11.0 - 15.0								10AA14018
	20.0	12.5 - 16.5								10AA14020
4.8	8.0	2.5 - 4.0	4.9	9.5	1.3	2.90	28	1700	1200	10AA14808
	10.0	4.0 - 6.0								10AA14810
	12.0	6.0 - 8.0								10AA14812
	14.0	7.0 - 9.0								10AA14814
	16.0	9.0 - 13.0								10AA14816
	18.0	11.0 - 13.0								10AA14818
	20.0	12.0 - 15.0								10AA14820
	22.0	14.0 - 17.0								10AA14822
	25.0	15.0 - 20.0								10AA14825
	30.0	20.0 - 25.0								10AA14830
	35.0	25.0 - 30.0								10AA14835



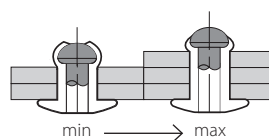
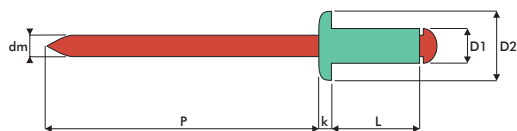
Body: **Aluminium**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.0	6.0	1.5 - 3.5	3.1	6.3	1.0	1.70	26	800	500	10AX13006
	8.0	3.5 - 5.0								10AX13008
	10.0	5.0 - 7.0								10AX13010
	12.0	7.0 - 9.0								10AX13012
	14.0	9.0 - 11.0								10AX13014
	16.0	9.0 - 13.0								10AX13016
3.2	6.0	1.5 - 3.5	3.3	6.3	1.0	1.75	26	980	760	10AX13206
	8.0	3.5 - 5.0								10AX13208
	10.0	5.0 - 7.0								10AX13210
	12.0	7.0 - 9.0								10AX13212
	14.0	9.0 - 11.0								10AX13214
	16.0	9.0 - 13.0								10AX13216
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1600	1200	10AX14006
	8.0	3.0 - 5.0								10AX14008
	10.0	5.0 - 6.5								10AX14010
	12.0	6.5 - 8.5								10AX14012
	14.0	7.5 - 9.5								10AX14014
	16.0	8.5 - 12.5								10AX14016
	18.0	11.0 - 15.0								10AX14018
	20.0	12.5 - 16.5								10AX14020
4.8	8.0	2.5 - 4.0	4.9	9.5	1.4	2.63	28	2230	1690	10AX14808
	10.0	4.0 - 6.0								10AX14810
	12.0	6.0 - 8.0								10AX14812
	14.0	7.0 - 9.0								10AX14814
	16.0	8.0 - 12.0								10AX14816
	18.0	11.0 - 13.0								10AX14818
	20.0	12.0 - 15.0								10AX14820
	25.0	15.0 - 20.0								10AX14825
	30.0	20.0 - 25.0								10AX14830

Q-STANDARD



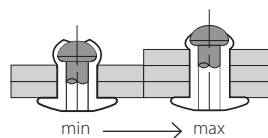
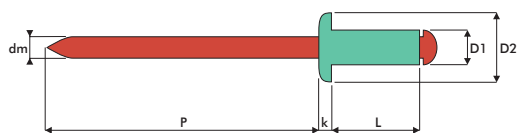
Body: **Aluminium**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
5.0	8.0	2.5 - 4.0	5.1	9.5	1.4	2.63	28	2500	2000	10AX15008
	10.0	4.0 - 6.0								10AX15010
	12.0	6.0 - 8.0								10AX15012
	14.0	7.0 - 9.8								10AX15014
	16.0	8.0 - 12.0								10AX15016
	18.0	11.0 - 13.0								10AX15018
	20.0	12.0 - 15.0								10AX15020
	25.0	15.0 - 20.0								10AX15025
	30.0	20.0 - 25.0								10AX15030
6.0	8.0	2.0 - 3.0	6.1	12.0	1.9	3.19	30	3900	3000	10AX16008
	10.0	3.0 - 5.0								10AX16010
	12.0	5.0 - 7.0								10AX16012



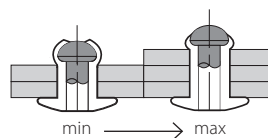
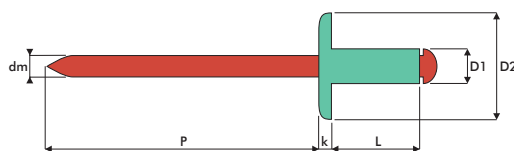
Body: **Aluminium**
Stem: **Stainless Steel A2**
Large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



Similar DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm			
5.0	8.0	2.5 - 4.0	5.1	14.0	1.6	2.63	28	3100	2150	10AX25008
	10.0	4.0 - 6.0								10AX25010
	12.0	6.0 - 8.0								10AX25012
	14.0	7.0 - 9.0								10AX25014
	16.0	8.0 - 12.0								10AX25016
	18.0	11.0 - 13.0								10AX25018
	20.0	12.0 - 15.0								10AX25020
	25.0	15.0 - 20.0								10AX25025
	30.0	20.0 - 25.0								10AX25030



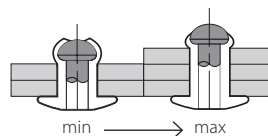
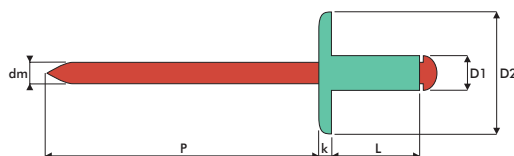
Body: **Aluminium**
Stem: **Stainless Steel A2**
Extra large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza extra ancha



Similar DIN EN ISO 15977

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm			
5.0	8.0	2.5 - 4.0	5.1	16.0	1.6	2.63	28	3100	2150	10AX35008
	10.0	4.0 - 6.0								10AX35010
	12.0	6.0 - 8.0								10AX35012
	14.0	7.0 - 9.0								10AX35014
	16.0	8.0 - 12.0								10AX35016
	18.0	11.0 - 13.0								10AX35018
	20.0	13.0 - 15.0								10AX35020
	25.0	15.0 - 20.0								10AX35025
	30.0	20.0 - 25.0								10AX35030



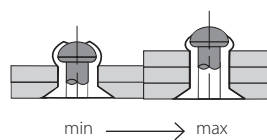
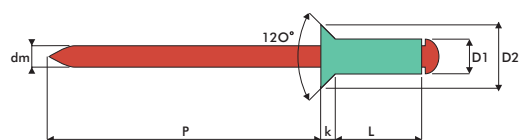
Body: **Aluminium**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache avellanada



min → max

Similar DIN EN ISO 15978

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.0	1.5 - 3.5	3.3	6.0	1.0	1.75	26	1100	750	10AX43206
	8.0	3.5 - 5.0								10AX43208
	10.0	5.0 - 7.0								10AX43210
	12.0	7.0 - 9.0								10AX43212
4.0	6.0	2.0 - 5.0	4.1	7.5	1.3	2.15	27	1800	1250	10AX44006
	8.0	5.0 - 6.5								10AX44008
	10.0	4.0 - 6.5								10AX44010
	12.0	6.5 - 8.5								10AX44012
4.8	8.0	2.5 - 4.0	4.9	9.0	1.5	2.63	28	2600	1850	10AX44808
	10.0	4.0 - 6.0								10AX44810
	12.0	6.0 - 8.0								10AX44812
	14.0	7.0 - 10.0								10AX44814
	16.0	8.0 - 12.0								10AX44816
	18.0	9.0 - 13.0								10AX44818
	20.0	12.0 - 15.0								10AX44820



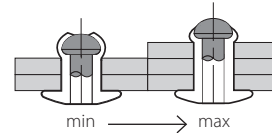
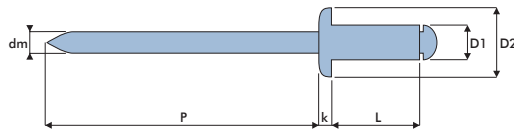
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15979

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.0	5.0	0.5 - 1.5	3.1	6.3	1.0	1.75	26	1100	950	10SS13005
	6.0	0.5 - 3.0								10SS13006
	8.0	3.0 - 5.0								10SS13008
	10.0	5.0 - 6.5								10SS13010
	12.0	6.5 - 8.0								10SS13012
	14.0	7.0 - 10.0								10SS13014
	16.0	8.0 - 12.0								10SS13016
	18.0	10.0 - 14.0								10SS13018
	20.0	12.0 - 16.0								10SS13020
3.2	5.0	0.5 - 1.5	3.3	6.3	1.0	1.92	26	1200	1100	10SS13205
	6.0	0.5 - 3.0								10SS13206
	8.0	3.0 - 5.0								10SS13208
	10.0	5.0 - 6.5								10SS13210
	12.0	6.5 - 8.0								10SS13212
	14.0	7.0 - 9.0								10SS13214
	16.0	8.0 - 12.0								10SS13216
	18.0	10.0 - 14.0								10SS13218
	20.0	12.0 - 16.0								10SS13220
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.35	27	2200	1700	10SS14006
	8.0	3.0 - 5.0								10SS14008
	10.0	5.0 - 6.5								10SS14010
	12.0	6.5 - 8.0								10SS14012
	14.0	7.5 - 10.0								10SS14014
	16.0	9.0 - 12.0								10SS14016
	18.0	10.0 - 14.0								10SS14018
	20.0	12.0 - 16.0								10SS14020
	22.0	15.0 - 17.0								10SS14022
	24.0	17.0 - 19.0								10SS14024
	25.0	16.0 - 21.0								10SS14025
	26.0	19.0 - 21.0								10SS14026
	30.0	21.0 - 25.0								10SS14030



Body: **Steel**
Stem: **Steel**

Dome head



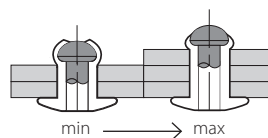
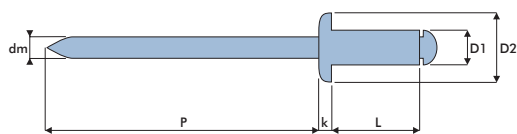
Hülse: **Stahl**
Dorn: **Stahl**

Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache alomada



DIN EN ISO 15979

D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	6.0	1.0 - 2.0	4.9	9.5	1.4	2.90	28	3100	2900	10SS14806
	8.0	2.5 - 4.0								10SS14808
	10.0	4.0 - 6.0								10SS14810
	12.0	6.0 - 8.0								10SS14812
	14.0	7.5 - 9.5								10SS14814
	16.0	8.0 - 11.0								10SS14816
	18.0	10.0 - 13.0								10SS14818
	20.0	11.0 - 15.0								10SS14820
	22.0	13.0 - 17.0								10SS14822
	25.0	15.0 - 19.5								10SS14825
	28.0	17.0 - 21.0								10SS14828
	30.0	19.5 - 25.0								10SS14830
5.0	8.0	2.5 - 4.0	5.1	9.5	1.4	2.90	28	4000	3100	10SS15008
	10.0	4.0 - 6.0								10SS15010
	12.0	6.0 - 8.0								10SS15012
	14.0	7.5 - 9.5								10SS15014
	16.0	8.0 - 11.0								10SS15016
	18.0	10.0 - 13.0								10SS15018
	20.0	11.0 - 15.0								10SS15020
	22.0	13.0 - 17.0								10SS15022
	25.0	15.0 - 19.5								10SS15025
	30.0	19.5 - 25.0								10SS15030



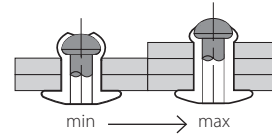
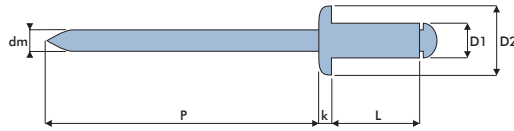
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15979

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
6.0	10.0	2.5 - 4.0	6.1	12.0	1.9	3.65	30	4800	4300	10SS16010
	12.0	4.0 - 6.0								10SS16012
	14.0	5.0 - 8.0								10SS16014
	15.0	7.0 - 9.0								10SS16015
	16.0	6.0 - 10.0								10SS16016
	18.0	7.0 - 11.0								10SS16018
	22.0	11.0 - 15.0								10SS16022
	26.0	14.0 - 19.0								10SS16026
	30.0	19.0 - 24.0								10SS16030
6.4	8.0	1.0 - 3.0	6.5	13.0	2.2	3.80	32	5700	4900	10SS16408
	10.0	3.0 - 4.0								10SS16410
	12.0	4.0 - 6.0								10SS16412
	15.0	5.0 - 8.0								10SS16415
	18.0	7.0 - 10.0								10SS16418
	22.0	10.0 - 14.0								10SS16422
	26.0	14.0 - 19.0								10SS16426
	30.0	19.0 - 24.0								10SS16430



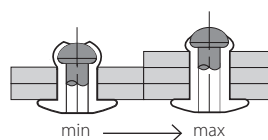
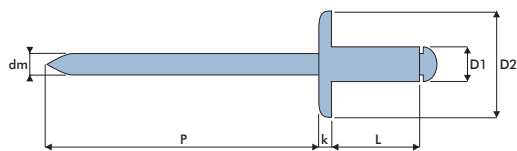
Body: **Steel**
Stem: **Steel**
Large head



Hülse: **Stahl**
Dorn: **Stahl**
Großkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache cabeza ancha



DIN EN ISO 15979

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	3.0 - 5.0	3.3	9.5	1.2	1.92	26	1200	1100	10SS23208
	10.0	5.0 - 6.5								10SS23210
	12.0	6.5 - 8.0								10SS23212
	14.0	8.0 - 10.0								10SS23214
4.0	8.0	3.0 - 5.0	4.1	12.0	1.5	2.35	27	2200	1700	10SS24008
	10.0	5.0 - 6.5								10SS24010
	12.0	6.5 - 9.0								10SS24012
	14.0	7.0 - 10.0								10SS24014
	16.0	9.0 - 12.0								10SS24016
4.8	10.0	4.0 - 6.0	4.9	14.0	1.6	2.90	28	3100	2900	10SS24810
	12.0	6.0 - 8.0								10SS24812
	14.0	7.0 - 9.0								10SS24814
	16.0	8.0 - 11.0								10SS24816
	18.0	10.0 - 13.0								10SS24818
	20.0	11.0 - 15.0								10SS24820
	22.0	13.0 - 17.0								10SS24822



Body: **Steel**
Stem: **Steel**

Extra large head



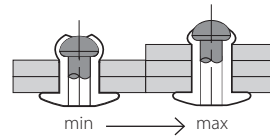
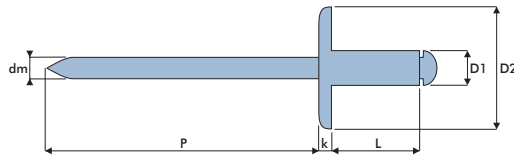
Hülse: **Stahl**
Dorn: **Stahl**

Extra Großkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache cabeza extra ancha



DIN EN ISO 15979

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	4.0 - 6.0	4.9	16.0	1.8	2.90	28	3100	2900	10SS34810
	12.0	6.0 - 8.0								10SS34812
	14.0	7.0 - 9.0								10SS34814
	16.0	8.0 - 11.0								10SS34816
	18.0	10.0 - 13.0								10SS34818
	20.0	11.0 - 15.0								10SS34820
	22.0	13.0 - 17.0								10SS34822



Body: **Steel**
Stem: **Steel**

Countersunk head



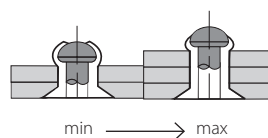
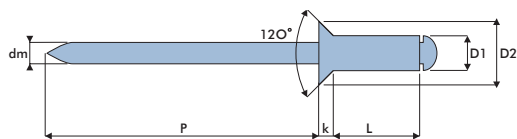
Hülse: **Stahl**
Dorn: **Stahl**

Senkkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache avellanada



DIN EN ISO 15980

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	6.0	1.5 - 3.0	3.1	6.0	1.0	1.75	26	1100	950	10SS43006
	8.0	3.0 - 5.0								10SS43008
	10.0	5.0 - 6.5								10SS43010
	12.0	6.5 - 8.5								10SS43012
3.2	6.0	1.5 - 3.0	3.3	6.0	1.0	1.92	26	1200	1100	10SS43206
	8.0	3.0 - 5.0								10SS43208
	10.0	5.0 - 6.5								10SS43210
	12.0	6.5 - 8.0								10SS43212
	14.0	8.0 - 11.0								10SS43214
4.0	6.0	1.5 - 3.0	4.1	7.5	1.3	2.35	27	2200	1700	10SS44006
	8.0	3.0 - 5.0								10SS44008
	10.0	5.0 - 6.5								10SS44010
	12.0	6.5 - 8.0								10SS44012
	14.0	7.0 - 10.0								10SS44014
	16.0	8.0 - 12.0								10SS44016
4.8	8.0	2.0 - 4.0	4.9	9.0	1.5	2.90	28	3100	2900	10SS44808
	10.0	4.0 - 6.0								10SS44810
	12.0	6.0 - 8.0								10SS44812
	14.0	7.0 - 9.0								10SS44814
	16.0	8.0 - 11.0								10SS44816
	18.0	9.0 - 13.0								10SS44818
	20.0	11.0 - 15.0								10SS44820
	22.0	13.0 - 17.0								10SS44822



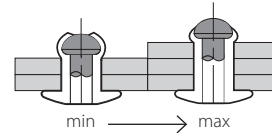
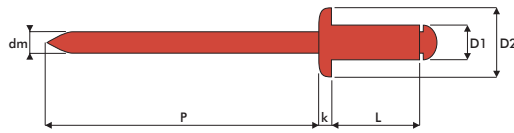
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



DIN EN ISO 15983

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.0	6.0	0.5 - 3.0	3.1	6.3	1.0	1.75	26	2200	1800	10XX13006
	8.0	3.0 - 5.0								10XX13008
	10.0	5.0 - 6.5								10XX13010
	12.0	6.5 - 8.5								10XX13012
	16.0	8.5 - 12.5								10XX13016
3.2	6.0	0.5 - 3.0	3.3	6.3	1.0	1.95	26	2500	1900	10XX13206
	8.0	3.0 - 5.0								10XX13208
	10.0	5.0 - 6.5								10XX13210
	12.0	6.5 - 8.5								10XX13212
	14.0	8.5 - 10.5								10XX13214
	15.0	9.5 - 11.5								10XX13215
	16.0	10.5 - 12.5								10XX13216
	18.0	12.5 - 14.5								10XX13218
4.0	6.0	1.0 - 2.5	4.1	8.0	1.3	2.45	27	3500	2700	10XX14006
	8.0	2.5 - 4.5								10XX14008
	10.0	4.5 - 6.5								10XX14010
	12.0	6.5 - 8.5								10XX14012
	14.0	8.5 - 10.0								10XX14014
	16.0	10.0 - 12.0								10XX14016
	18.0	12.0 - 14.0								10XX14018
	20.0	14.0 - 16.0								10XX14020
4.8	8.0	2.0 - 4.0	4.9	9.5	1.4	2.85	28	5000	4000	10XX14808
	10.0	4.0 - 6.0								10XX14810
	12.0	6.0 - 8.0								10XX14812
	14.0	8.0 - 9.5								10XX14814
	16.0	9.5 - 11.0								10XX14816
	18.0	11.0 - 13.0								10XX14818



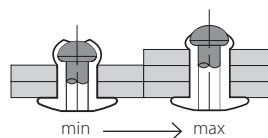
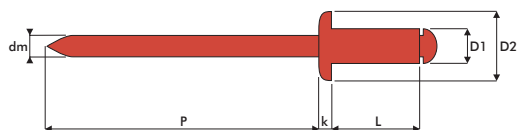
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



DIN EN ISO 15983

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	20.0	13.0 - 16.0	4.9	9.5	1.4	2.85	28	5000	4000	10XX14820
	22.0	15.0 - 18.0								10XX14822
	25.0	16.0 - 20.0								10XX14825
	27.0	20.0 - 22.0								10XX14827
	30.0	20.0 - 25.0								10XX14830
	40.0	30.0 - 35.0								10XX14840
5.0	8.0	2.0 - 4.0	5.1	9.5	1.4	2.85	28	5800	4700	10XX15008
	10.0	4.0 - 6.0								10XX15010
	12.0	6.0 - 8.0								10XX15012
	14.0	8.0 - 9.5								10XX15014
	16.0	9.5 - 11.0								10XX15016
	18.0	11.0 - 13.0								10XX15018
6.0	20.0	13.0 - 16.0								10XX15020
	10.0	2.5 - 4.5	6.1	12.0	2.0	3.65	30	8830	6500	10XX16010
	12.0	4.5 - 6.0								10XX16012
	14.0	6.0 - 8.5								10XX16014
	15.0	7.5 - 9.5								10XX16015
	16.0	8.5 - 10.5								10XX16016
	18.0	10.5 - 12.0								10XX16018
	20.0	12.0 - 14.0								10XX16020
6.4	22.0	14.0 - 16.0								10XX16022
	25.0	16.0 - 18.5								10XX16025
	10.0	1.5 - 3.5	6.5	13.0	2.2	3.85	32	9300	7500	10XX16410
	12.0	3.5 - 5.5								10XX16412
	15.0	5.5 - 8.5								10XX16415
	18.0	8.5 - 11.5								10XX16418
	20.0	11.5 - 13.5								10XX16420
	22.0	13.5 - 15.5								10XX16422
6.4	25.0	15.5 - 18.0								10XX16425



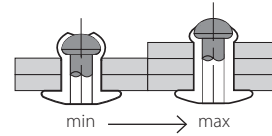
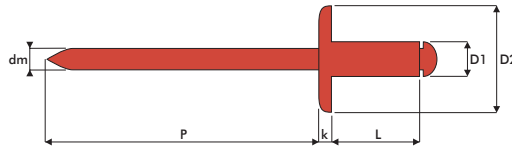
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Large head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Großkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache cabeza ancha



Similar DIN EN ISO 15983

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.0	0.5 - 3.0	3.3	9.5	1.2	1.95	26	2500	1900	10XX23206
	8.0	3.0 - 5.0								10XX23208
	10.0	5.0 - 6.5								10XX23210
	12.0	6.5 - 8.5								10XX23212
	14.0	8.5 - 10.5								10XX23214
4.0	6.0	1.0 - 2.5	4.1	12.0	1.5	2.45	27	3500	2700	10XX24006
	8.0	2.5 - 4.5								10XX24008
	10.0	4.5 - 6.5								10XX24010
	13.0	6.5 - 9.5								10XX24013
	16.0	9.5 - 12.0								10XX24016
4.8	8.0	2.0 - 4.0	4.9	14.0	1.6	2.85	28	5000	4000	10XX24808
	10.0	4.0 - 6.0								10XX24810
	12.0	6.0 - 8.0								10XX24812
	14.0	8.0 - 9.5								10XX24814
	16.0	9.5 - 11.0								10XX24816
	18.0	11.0 - 13.0								10XX24818
	20.0	13.0 - 16.0								10XX24820



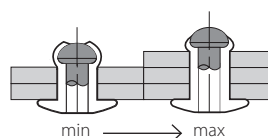
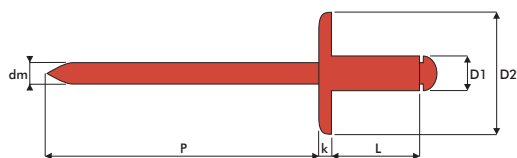
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Extra large head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Extra Großkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache cabeza extra ancha



Similar DIN EN ISO 15983

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	10.0	4.0 - 6.0	4.9	16.0	1.8	2.85	28	5000	4000	10XX34810
	12.0	6.0 - 8.0								10XX34812
	13.0	6.5 - 8.5								10XX34813
	14.0	8.0 - 9.5								10XX34814
	17.0	9.5 - 11.0								10XX34817
	20.0	13.0 - 16.0								10XX34820
	24.0	15.0 - 19.0								10XX34824
	25.0	16.0 - 20.0								10XX34825



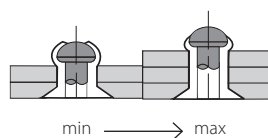
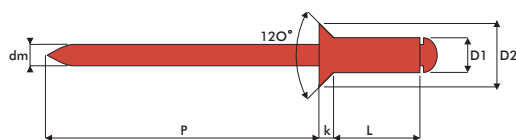
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache avellanada



DIN EN ISO 15984

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.0	6.0	1.5 - 3.0	3.1	6.0	1.1	1.75	26	2200	1800	10XX43006
	8.0	3.0 - 5.0								10XX43008
	10.0	5.0 - 6.5								10XX43010
	12.0	6.5 - 8.5								10XX43012
3.2	6.0	1.5 - 3.0	3.3	6.0	1.1	1.95	26	2500	1900	10XX43206
	8.0	3.0 - 5.0								10XX43208
	10.0	5.0 - 6.5								10XX43210
	12.0	6.5 - 8.5								10XX43212
4.0	6.0	1.5 - 2.5	4.1	7.5	1.4	2.45	27	3500	2700	10XX44006
	8.0	2.5 - 4.5								10XX44008
	10.0	4.5 - 6.5								10XX44010
	12.0	6.5 - 8.5								10XX44012
	13.0	7.5 - 9.5								10XX44013
	14.0	8.5 - 10.0								10XX44014
	16.0	10.0 - 12.0								10XX44016
	18.0	12.0 - 14.0								10XX44018
4.8	8.0	2.5 - 4.0	4.9	9.0	1.6	2.85	28	5000	4000	10XX44808
	10.0	4.0 - 6.0								10XX44810
	12.0	6.0 - 8.0								10XX44812
	14.0	7.5 - 9.5								10XX44814
	16.0	8.0 - 11.0								10XX44816
	18.0	11.0 - 13.0								10XX44818
	20.0	13.0 - 15.0								10XX44820
	21.0	14.0 - 16.0								10XX44821
	25.0	15.0 - 20.0								10XX44825



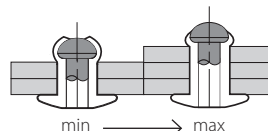
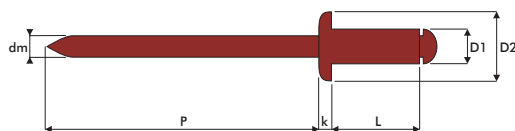
Body: **Stainless Steel A4**
Stem: **Stainless Steel A4**
Dome head



Hülse: **Edelstahl A4**
Dorn: **Edelstahl A4**
Flachrundkopf



Cuerpo: **Inox A4**
Vástago: **Inox A4**
Remache alomada



Similar DIN EN ISO 15983

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	6.0	0.5 - 3.0	3.1	6.3	1.0	1.75	26	2200	1800	10ZZ13006
	8.0	3.0 - 5.0								10ZZ13008
	10.0	5.0 - 6.5								10ZZ13010
3.2	6.0	0.5 - 3.0	3.3	6.3	1.0	1.95	26	2500	1900	10ZZ13206
	8.0	3.0 - 5.0								10ZZ13208
	10.0	5.0 - 6.5								10ZZ13210
	12.0	6.5 - 8.5								10ZZ13212
4.0	6.0	1.0 - 2.5	4.1	8.0	1.3	2.45	27	3500	2700	10ZZ14006
	8.0	2.5 - 4.5								10ZZ14008
	10.0	4.5 - 6.5								10ZZ14010
	12.0	6.5 - 8.5								10ZZ14012
	13.0	6.5 - 9.5								10ZZ14013
	14.0	8.5 - 10.0								10ZZ14014
	16.0	10.0 - 12.0								10ZZ14016
4.8	8.0	2.0 - 4.0	4.9	9.5	1.4	2.85	28	5000	4000	10ZZ14808
	10.0	4.0 - 6.0								10ZZ14810
	12.0	6.0 - 8.0								10ZZ14812
	14.0	7.5 - 9.5								10ZZ14814
	16.0	8.0 - 11.0								10ZZ14816
	18.0	11.0 - 13.0								10ZZ14818
	20.0	13.0 - 16.0								10ZZ14820
	22.0	15.0 - 17.0								10ZZ14822



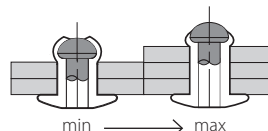
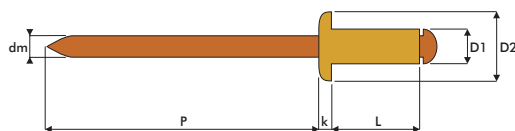
Body: **Copper**
Stem: **Bronze**
Dome head



Hülse: **Kupfer**
Dorn: **Bronze**
Flachrundkopf



Cuerpo: **Cobre**
Vástago: **Bronce**
Remache alomada



DIN EN ISO 16582

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	6.0	2.0 - 3.0	3.1	6.3	1.0	1.70	26	950	760	10CB13006
	8.0	3.0 - 5.0								10CB13008
	10.0	5.0 - 7.0								10CB13010
	12.0	7.0 - 9.0								10CB13012
3.2	5.0	0.5 - 2.0	3.3	6.3	1.0	1.75	26	1000	800	10CB13205
	6.0	2.0 - 3.0								10CB13206
	7.0	3.0 - 4.0								10CB13207
	8.0	3.0 - 5.0								10CB13208
	10.0	5.0 - 7.0								10CB13210
	12.0	7.0 - 9.0								10CB13212
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1800	1500	10CB14006
	8.0	3.0 - 5.0								10CB14008
	10.0	5.0 - 7.0								10CB14010
	12.0	7.0 - 9.0								10CB14012
	14.0	9.0 - 10.0								10CB14014
	16.0	10.0 - 12.5								10CB14016
4.8	8.0	2.5 - 4.0	4.9	9.5	1.4	2.63	28	2500	2300	10CB14808
	10.0	4.0 - 6.0								10CB14810
	12.0	6.0 - 8.0								10CB14812
	14.0	8.0 - 10.0								10CB14814
	16.0	10.0 - 12.0								10CB14816



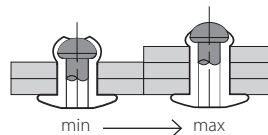
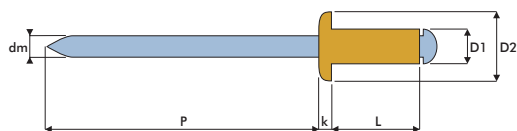
Body: **Copper**
Stem: **Steel**
Dome head



Hülse: **Kupfer**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Cobre**
Vástago: **Acero**
Remache alomada



DIN EN ISO 16582

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	5.0	0.5 - 2.0	3.1	6.3	1.0	1.70	26	950	760	10CS13005
	6.0	2.0 - 3.0								10CS13006
	8.0	3.0 - 5.0								10CS13008
	10.0	5.0 - 7.0								10CS13010
	12.0	7.0 - 9.0								10CS13012
3.2	6.0	0.5 - 2.0	3.3	6.3	1.0	1.75	26	1000	800	10CS13206
	8.0	2.0 - 5.0								10CS13208
	10.0	5.0 - 7.0								10CS13210
	12.0	7.0 - 9.0								10CS13212
4.0	6.0	1.0 - 3.0	4.1	8.0	1.3	2.15	27	1800	1500	10CS14006
	8.0	3.0 - 5.0								10CS14008
	10.0	5.0 - 7.0								10CS14010
	12.0	7.0 - 9.0								10CS14012
	14.0	9.0 - 10.0								10CS14014
	16.0	10.0 - 12.5								10CS14016
4.8	8.0	2.5 - 4.0	4.9	9.5	1.4	2.63	28	2500	2000	10CS14808
	10.0	4.0 - 6.0								10CS14810
	12.0	6.0 - 8.0								10CS14812
	14.0	8.0 - 10.0								10CS14814
	16.0	10.0 - 12.0								10CS14816
	18.0	12.0 - 14.0								10CS14818
	20.0	14.0 - 16.0								10CS14820



Specifications

- Suitable for all hard and soft materials due to the large bulb on the blind side
- The mandrel head is mechanically retained in the bulb
- Splash-proof
- Grip range: from 0.5 to 25.0 mm
- Stock: Ø3.0 – 3.2 – 4.0 and 4.8 mm in various lengths



Spezifikationen

- Für weiche und spröde Materialien, großer Schließkopf
- Der Restnietdorn ist fest in der Niethülse gesichert
- Spritzwasserdicht
- Klemmbereiche: von 0.5 bis 25.0 mm
- Lager: Ø3.0 - 3.2 – 4.0 und 4.8 mm in verschiedenen Längen



Especificaciones

- Adecuado para materiales frágiles y suaves debido a la gran bombilla en el lado ciego
- Amplio rango de remachado (multigrip), sistema con retención del vástago, buen relleno del taladro
- A prueba de salpicaduras
- Gama de espesores: desde 0.5 mm hasta 25.0 mm
- Stock: Ø3.0 – 3.2 – 4.0 y 4.8 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

		Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
		✓	✓	✓	✓	X	X	X	X
12/14 mm		✓	X	✓	X	X	X	X	X
16 mm		✓	X	✓	X	X	X	X	X
		✓	X	✓	X	X	X	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS

ASR64-PT

QR50

For packaging and technical specifications please check the index pages (page 6)
 Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)
 Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



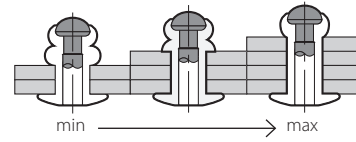
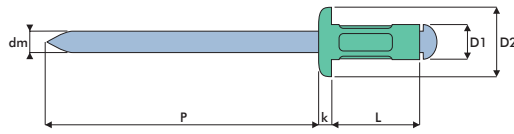
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	8.0	0.5 - 5.0	3.1 - 3.2	6.3	1.0	1.70	26	980	700	15AS13008
	9.5	2.0 - 6.5								15AS13009
	12.5	5.0 - 9.5								15AS13012
3.2	8.0	0.8 - 4.8	3.3 - 3.4	6.3	1.0	1.75	26	1030	735	15AS13208
	9.5	1.2 - 6.4								15AS13209
	11.0	4.0 - 7.9								15AS13211
	12.7	5.5 - 9.5								15AS13212
4.0	9.5	1.2 - 6.4	4.1 - 4.2	8.0	1.3	2.15	27	1600	1060	15AS14009
	12.7	4.0 - 9.5								15AS14012
	17.0	6.4 - 12.7								15AS14017
4.8	10.0	1.6 - 6.4	4.9 - 5.0	9.6	1.5	2.63	28	2350	1500	15AS14810
	12.0	4.0 - 9.5								15AS14812
	15.0	4.8 - 11.0								15AS14815
	17.0	6.4 - 12.7								15AS14817
	20.0	10.0 - 16.0								15AS14820
	24.0	12.7 - 19.8								15AS14824
	30.0	16.0 - 24.0								15AS14830

Q-MULTIGRIP STANDARD



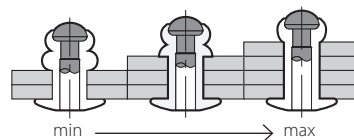
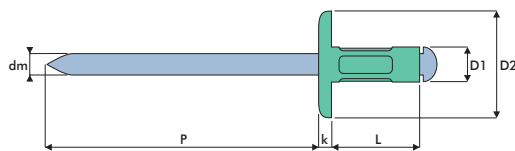
Body: **Aluminium**
Stem: **Steel**
Large head



Hülse: **Aluminium**
Dorn: **Stahl**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	8.0	0.8 - 4.8	3.3 - 3.4	9.5	1.2	1.75	26	1030	735	15AS23208
	9.5	1.2 - 6.4								15AS23209
	11.0	4.0 - 7.9								15AS23211
	12.7	5.5 - 9.5								15AS23212
	16.0	8.5 - 13.0								15AS23216
4.0	9.5	1.2 - 6.4	4.1 - 4.2	12.0	1.5	2.15	27	1600	1060	15AS24009
	11.0	2.5 - 7.5								15AS24011
	12.7	4.0 - 9.5								15AS24012
	16.9	6.4 - 12.7								15AS24016
	20.0	11.5 - 16.5								15AS24020
4.8	10.0	1.6 - 6.4	4.9 - 5.0	14.0	1.6	2.63	28	2350	1500	15AS24810
	12.0	4.0 - 9.5								15AS24812
	15.0	4.8 - 11.0								15AS24815
	17.0	6.4 - 12.7								15AS24817
	20.0	10.0 - 16.0								15AS24820



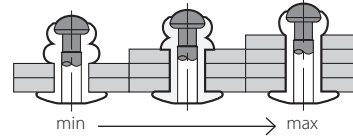
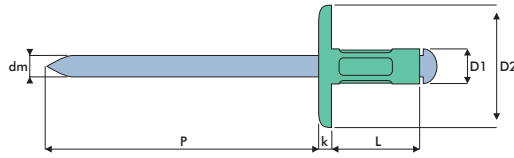
Body: **Aluminium**
Stem: **Steel**
Extra large head



Hülse: **Aluminium**
Dorn: **Stahl**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza extra ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	10.0	1.6 - 6.4	4.9 - 5.0	16.0	1.8	2.63	28	2350	1500	15AS34810
	12.0	4.0 - 9.5								15AS34812
	15.0	4.8 - 11.0								15AS34815
	17.0	6.4 - 12.7								15AS34817
	20.0	10.0 - 16.0								15AS34820
	24.0	12.7 - 19.8								15AS34824

Q-MULTIGRIP STANDARD



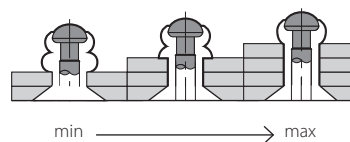
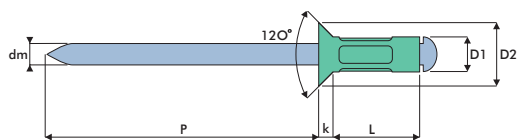
Body: **Aluminium**
Stem: **Steel**
Countersunk head



Hülse: **Aluminium**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache avellanada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	1.5 - 5.0	3.3 - 3.4	6.0	1.0	1.75	26	910	680	15AS43208
	10.0	2.4 - 6.3								15AS43210
	12.0	4.0 - 7.9								15AS43212
	14.0	5.5 - 9.5								15AS43214
	16.0	8.5 - 12.5								15AS43216
4.0	8.0	1.6 - 4.5	4.1 - 4.2	7.5	1.3	2.15	27	1330	1000	15AS44008
	10.0	2.8 - 6.5								15AS44010
	12.0	2.8 - 7.9								15AS44012
	14.0	3.0 - 8.5								15AS44014
	16.0	4.3 - 9.5								15AS44016
	18.0	9.5 - 14.0								15AS44018
	20.0	11.5 - 16.0								15AS44020
4.8	10.0	1.6 - 5.0	4.9 - 5.0	9.0	1.5	2.63	28	2350	1500	15AS44810
	12.0	3.2 - 7.9								15AS44812
	14.0	4.0 - 9.0								15AS44814
	16.0	6.0 - 11.0								15AS44816
	18.0	6.4 - 12.7								15AS44818
	20.0	10.0 - 15.0								15AS44820
	22.0	12.0 - 17.0								15AS44822
	25.0	14.0 - 19.0								15AS44825
	27.0	17.0 - 22.0								15AS44827
	30.0	20.0 - 25.0								15AS44830



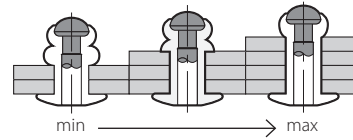
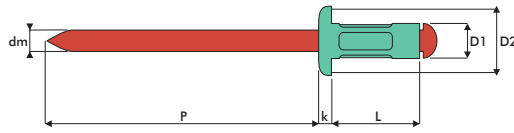
Body: **Aluminium**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.0	8.0	0.8 - 4.3	3.1 - 3.2	6.3	1.0	1.70	26	550	400	15AX13008
	9.5	2.0 - 6.5								15AX13009
	12.5	5.0 - 9.5								15AX13012
3.2	8.0	0.8 - 4.8	3.3 - 3.4	6.3	1.0	1.75	26	700	500	15AX13208
	9.5	1.2 - 6.4								15AX13209
	11.0	4.0 - 7.9								15AX13211
	12.7	5.5 - 9.5								15AX13212
4.0	9.5	1.2 - 6.4	4.1 - 4.2	8.0	1.3	2.15	27	1200	850	15AX14009
	12.7	4.0 - 9.5								15AX14012
	17.0	6.4 - 12.7								15AX14017
4.8	10.0	1.6 - 6.4	4.9 - 5.0	9.6	1.5	2.63	28	1700	1200	15AX14810
	12.0	4.0 - 9.5								15AX14812
	15.0	4.8 - 11.0								15AX14815
	17.0	6.4 - 12.7								15AX14817
	20.0	10.0 - 16.0								15AX14820
	24.0	12.7 - 19.8								15AX14824

Q-MULTIGRIP STANDARD



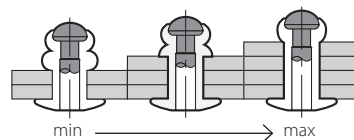
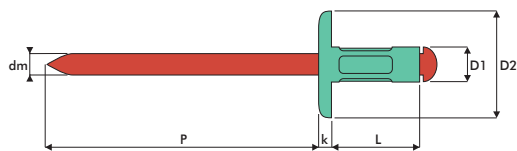
Body: **Aluminium**
Stem: **Stainless Steel A2**
Large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	0.8 - 4.8	3.3 - 3.4	9.5	1.2	1.75	26	700	500	15AX23208
	9.5	1.2 - 6.4								15AX23209
	12.5	5.5 - 9.5								15AX23212
	16.0	8.5 - 13.0								15AX23216
4.0	9.5	1.2 - 6.4	4.1 - 4.2	12.0	1.5	2.15	27	1200	850	15AX24009
	12.0	2.5 - 7.5								15AX24012
	17.0	6.4 - 12.7								15AX24017
	20.0	11.5 - 16.5								15AX24020
4.8	10.0	1.6 - 6.4	4.9 - 5.0	14.0	1.6	2.63	28	1700	1200	15AX24810
	12.0	4.0 - 9.5								15AX24812
	15.0	4.8 - 11.0								15AX24815
	17.0	6.4 - 12.7								15AX24817
	20.0	10.0 - 16.0								15AX24820



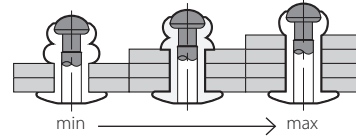
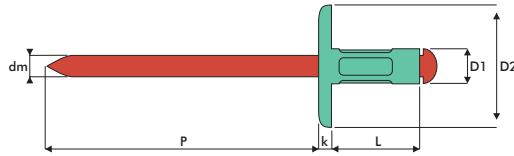
Body: **Aluminium**
Stem: **Stainless Steel A2**
Extra large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza extra ancha



D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	10.0	1.6 - 6.4	4.9 - 5.0	16.0	1.8	2.63	28	1700	1200	15AX34810
	12.0	4.0 - 9.5								15AX34812
	15.0	4.8 - 11.0								15AX34815
	17.0	6.4 - 12.7								15AX34817
	20.0	10.0 - 16.0								15AX34820
	24.0	12.7 - 19.5								15AX34824



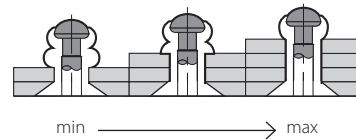
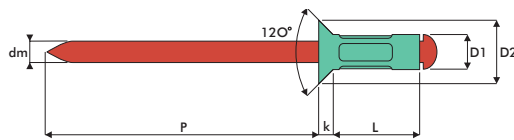
Body: **Aluminium**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache avellanada



D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	8.0	1.5 - 5.0	3.3 - 3.4	6.0	1.0	1.75	26	700	500	15AX43208
	9.5	2.4 - 6.3								15AX43209
	12.5	4.0 - 7.9								15AX43212
4.0	9.5	2.8 - 6.8	4.1 - 4.2	7.5	1.3	2.15	27	1200	850	15AX44009
	11.0	3.0 - 8.0								15AX44011
	12.5	4.0 - 9.5								15AX44012
	17.0	6.4 - 12.7								15AX44017
4.8	10.0	1.6 - 5.0	4.9 - 5.0	9.0	1.5	2.63	28	2230	1690	15AX44810
	12.0	3.2 - 7.9								15AX44812
	15.0	6.0 - 11.0								15AX44815
	17.0	6.4 - 12.7								15AX44816
	20.0	10.0 - 15.0								15AX44820

Q-MULTIGRIP STANDARD



Body: **Steel**

Stem: **Steel**

Dome head



Hülse: **Stahl**

Dorn: **Stahl**

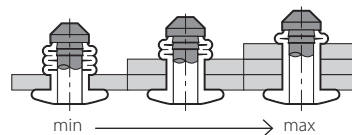
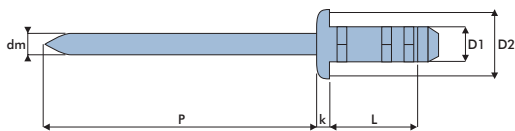
Flachrundkopf



Cuerpo: **Acero**

Vástago: **Acero**

Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	7.0	1.0 - 3.5	3.3 - 3.4	7.3	1.0	2.05	26	1200	900	15SS13207
	9.0	1.0 - 4.0								15SS13209
	11.0	1.0 - 5.5								15SS13211
	12.0	2.0 - 7.0								15SS13212
	14.0	4.0 - 9.0								15SS13214
4.0	10.8	1.5 - 5.0	4.1 - 4.2	8.1	1.4	2.50	27	2090	1650	15SS14010
	12.5	3.0 - 7.0								15SS14012
	15.0	5.5 - 8.5								15SS14015
4.8	10.0	1.0 - 5.0	4.9 - 5.0	9.6	1.5	3.10	28	2900	2600	15SS14810
	12.7	1.0 - 7.5								15SS14812
	13.5	3.0 - 8.5								15SS14813
	17.5	6.3 - 12.7								15SS14817



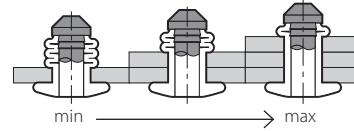
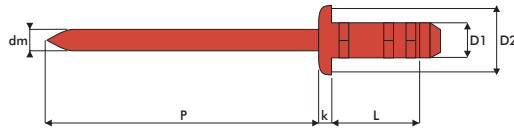
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	1.0 - 4.0	3.3 - 3.4	6.3	1.0	2.15	26	1900	1600	15XX13208
	10.0	3.0 - 6.0								15XX13210
	12.0	4.0 - 8.0								15XX13212
4.0	10.0	1.5 - 5.0	4.1 - 4.2	8.0	1.3	2.8	27	3200	2400	15XX14010
	12.0	3.5 - 7.0								15XX14012
	15.0	6.0 - 9.5								15XX14015
4.8	10.0	1.5 - 5.0	4.9 - 5.0	9.6	1.6	3.18	28	4500	4100	15XX14810
	12.0	3.0 - 7.0								15XX14812
	15.0	6.5 - 10.0								15XX14815
	17.5	9.0 - 12.5								15XX14817



Specifications

- Suitable for all hard and soft materials due to the large bulb on the blind side
- The mandrel head is mechanically retained in the bulb
- Splash-proof
- Grip range: from 0.5 to 24.0 mm
- Stock: Ø3.2 – 4.0 - 4.8 and 6.4 mm in various lengths



Spezifikationen

- Für weiche und spröde Materialien, großer Schließkopf
- Der Restnietdorn ist fest in der Niethülse gesichert
- Spritzwasserdicht
- Klemmbereiche: von 0.5 bis 24.0 mm
- Lager: Ø3.2 – 4.0 - 4.8 und 6.4 mm in verschiedenen Längen



Especificaciones

- Adecuado para materiales frágiles y suaves debido a la gran bombilla en el lado ciego
- Amplio rango de remachado (multigrip), sistema con retención del vástago, buen rellenado del taladro
- A prueba de salpicaduras
- Gama de espesores: desde 0.5 mm hasta 24.0 mm
- Stock: Ø3.2 – 4.0 - 4.8 y 6.4 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

		Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
		✓	✓	✓	✓	✓	✗	✗	✗
12 mm		✓	✓	✓	✗	✗	✗	✗	✗
16 mm		✓	✓	✓	✗	✗	✗	✗	✗
		✓	✓	✗	✗	✗	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS

ASR64-PT

QR50

For packaging and technical specifications please check the index pages (page 6)

Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)

Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



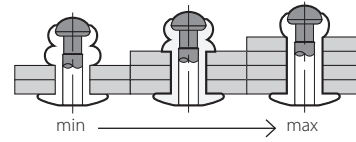
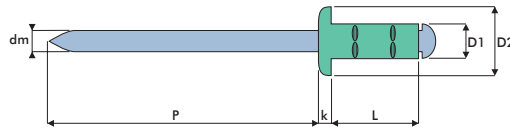
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	0.5 - 5.0	3.3	6.5	1.0	1.80	26	1000	700	16AS13208
	9.5	1.5 - 6.5								16AS13209
	11.0	3.0 - 8.0								16AS13211
4.0	10.0	0.5 - 6.5	4.1	8.0	1.3	2.30	27	1600	1000	16AS14010
	13.0	3.5 - 9.5								16AS14013
	17.0	7.0 - 13.0								16AS14017
4.8	10.0	0.5 - 6.5	4.9	9.5	1.4	2.70	28	2200	1400	16AS14810
	15.0	4.5 - 11.0								16AS14815
	17.0	6.5 - 13.0								16AS14817
	25.0	11.0 - 19.5								16AS14825
6.4	15.0	1.5 - 9.0	6.5	13.0	2.2	3.60	32	4000	2800	16AS16415
	20.0	6.0 - 14.0								16AS16420
	25.0	10.0 - 18.0								16AS16425

Q-MULTIGRIP PLUS



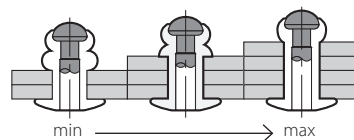
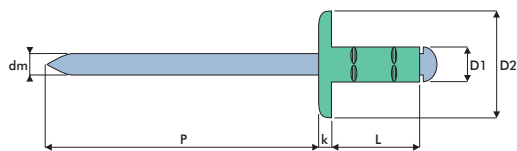
Body: **Aluminium**
Stem: **Steel**
Large head



Hülse: **Aluminium**
Dorn: **Stahl**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	0.5 - 5.0	3.3	9.5	1.0	1.80	26	1000	700	16AS23208
	9.5	1.5 - 6.5								16AS23209
	11.0	3.0 - 8.0								16AS23211
4.0	10.0	0.5 - 6.5	4.1	12.0	1.3	2.30	27	1600	1000	16AS24010
	13.0	3.5 - 9.5								16AS24013
	17.0	7.0 - 13.0								16AS24017



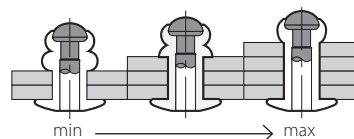
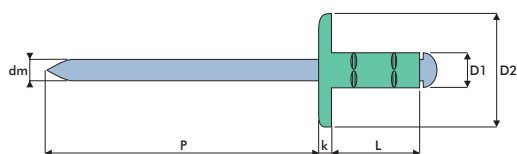
Body: **Aluminium**
Stem: **Steel**
Extra large head



Hülse: **Aluminium**
Dorn: **Stahl**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache cabeza extra ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	0.5 - 6.5	4.9	16.0	1.4	2.70	28	2200	1400	16AS34810
	15.0	4.5 - 11.0								16AS34815
	17.0	6.5 - 13.0								16AS34817
	25.0	11.0 - 19.5								16AS34825



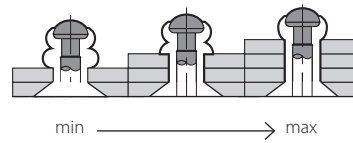
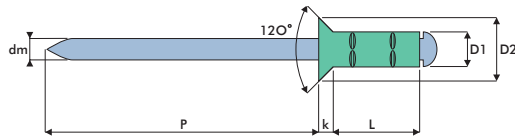
Body: **Aluminium**
Stem: **Steel**
Countersunk head



Hülse: **Aluminium**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache avellanada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	10.0	1.5 - 6.5	3.3	6.0	1.0	1.80	26	1000	700	16AS43210
4.0	12.0	3.5 - 8.5	4.1	7.5	1.3	2.30	27	1600	1000	16AS44012
4.8	10.0	2.0 - 5.0	4.9	9.0	1.5	2.70	28	2200	1400	16AS44810
	15.0	5.0 - 11.0								16AS44815

Q-MULTIGRIP PLUS



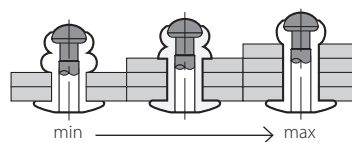
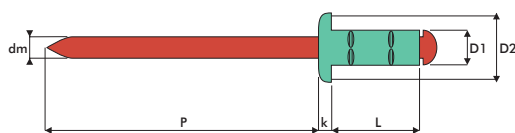
Body: **Aluminium**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	0.5 - 5.0	3.3	6.5	1.0	1.80	26	1000	700	16AX13208
	9.5	1.5 - 6.5								16AX13209
	11.0	3.0 - 8.0								16AX13211
4.0	10.0	0.5 - 6.5	4.1	8.0	1.3	2.30	27	1600	1000	16AX14010
	13.0	3.5 - 9.5								16AX14013
	17.0	7.0 - 13.0								16AX14017
4.8	10.0	0.5 - 6.5	4.9	9.5	1.4	2.70	28	2200	1400	16AX14810
	15.0	4.5 - 11.0								16AX14815
	17.0	6.5 - 13.0								16AX14817
	25.0	11.0 - 19.5								16AX14825
6.4	15.0	1.5 - 9.0	6.5	13.0	2.2	3.60	32	4000	2800	16AX16415
	20.0	6.0 - 14.0								16AX16420
	25.0	16.0 - 24.0								16AX16425



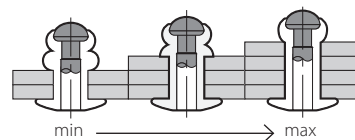
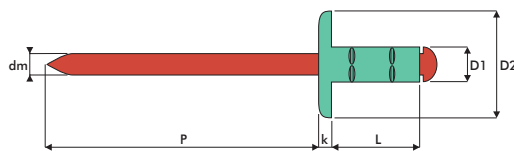
Body: **Aluminium**
Stem: **Stainless Steel A2**
Large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	0.5 - 5.0	3.3	9.5	1.2	1.80	26	1000	700	16AX23208
	9.5	1.5 - 6.5								16AX23209
	11.0	3.0 - 8.0								16AX23211
4.0	10.0	0.5 - 6.5	4.1	12.0	1.5	2.30	27	1600	1000	16AX24010
	13.0	3.5 - 9.5								16AX24013
	17.0	7.0 - 13.0								16AX24017



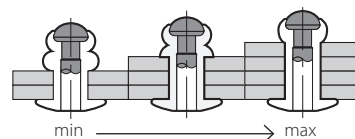
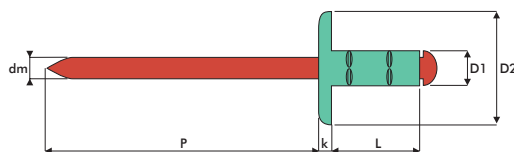
Body: **Aluminium**
Stem: **Stainless Steel A2**
Extra large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza extra ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	0.5 - 6.5	4.9	16.0	1.6	2.70	28	2200	1400	16AX34810
	15.0	4.5 - 11.0								16AX34815
	17.0	6.5 - 13.0								16AX34817
	25.0	11.0 - 19.5								16AX34825

Q-MULTIGRIP PLUS



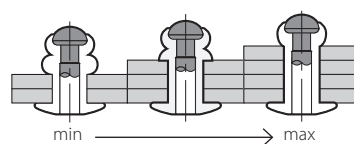
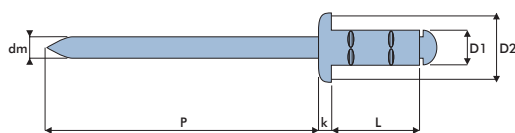
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	1.0 - 5.0	3.3	6.5	1.2	2.10	26	1500	1200	16SS13208
	9.5	3.0 - 6.5								16SS13209
	11.0	3.0 - 8.0								16SS13211
4.0	10.0	1.5 - 6.5	4.1	8.0	1.5	2.60	27	2300	1600	16SS14010
	13.0	4.5 - 9.0								16SS14013
	17.0	8.5 - 13.0								16SS14017
4.8	10.0	1.5 - 6.5	4.9	9.5	1.4	3.20	28	3000	2300	16SS14810
	15.0	6.0 - 11.0								16SS14815
	17.0	8.5 - 13.0								16SS14817
6.4	15.0	2.0 - 8.0	6.5	13.0	2.2	4.20	32	6000	4000	16SS16415
	20.0	5.0 - 13.0								16SS16420
	25.0	10.0 - 18.0								16SS16425



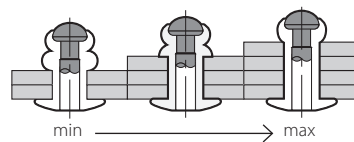
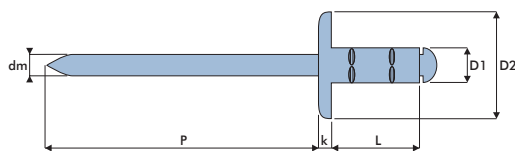
Body: **Steel**
Stem: **Steel**
(Extra) Large head



Hülse: **Stahl**
Dorn: **Stahl**
(Extra) Großkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache cabeza (extra) ancha



D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	1.0 - 5.0	3.3	9.5	1.2	2.10	26	1500	1200	16SS23208
	9.5	2.0 - 6.5								16SS23209
	11.0	3.0 - 8.0								16SS23211
4.0	10.0	1.5 - 6.5	4.1	12.0	1.5	2.60	27	2300	1600	16SS24010
	13.0	4.5 - 9.0								16SS24013
	17.0	8.5 - 13.0								16SS24017
4.8	10.0	1.5 - 6.5	4.9	16.0	1.8	3.20	28	3000	2300	16SS34810
	15.0	6.0 - 11.0								16SS34815
	17.0	8.5 - 13.0								16SS34817



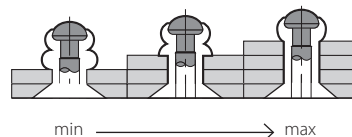
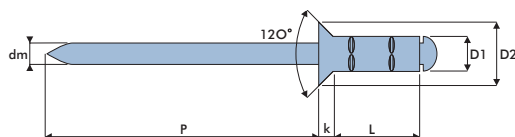
Body: **Steel**
Stem: **Steel**
Countersunk head



Hülse: **Stahl**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache avellanada



D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	10.0	3.0 - 7.0	3.3	6.0	1.0	2.10	26	1500	1200	16SS43210
4.0	12.0	3.5 - 8.5	4.1	7.5	1.3	2.60	27	2300	1600	16SS44012
4.8	10.0	2.0 - 6.0	4.9	9.0	1.5	3.20	28	3000	2300	16SS44810
	15.0	5.5 - 11.0								16SS44815

Q-MULTIGRIP PLUS



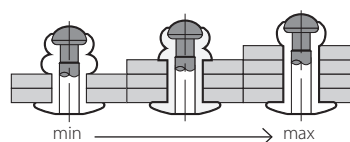
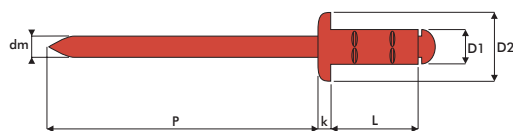
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	8.0	1.0 - 5.0	3.3	6.5	1.0	2.20	26	2200	1400	16XX13208
	9.5	2.0 - 6.0								16XX13209
	11.0	3.0 - 8.0								16XX13211
4.0	10.0	1.0 - 6.5	4.1	8.0	1.3	2.70	27	3500	2600	16XX14010
	13.0	3.0 - 8.0								16XX14013
	17.0	7.0 - 11.0								16XX14017
4.8	10.0	1.0 - 6.5	4.9	9.5	1.4	3.20	28	5000	4000	16XX14810
	15.0	5.0 - 10.0								16XX14815
	17.0	8.0 - 12.0								16XX14817
6.4	15.0	2.0 - 6.5	6.5	13.0	2.2	4.20	32	8500	7500	16XX16415
	20.0	3.5 - 8.5								16XX16420
	25.0	7.0 - 12.5								16XX16425



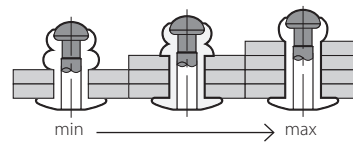
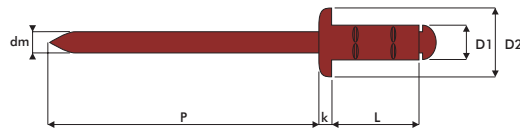
Body: **Stainless Steel A4**
Stem: **Stainless Steel A4**
Dome head



Hülse: **Edelstahl A4**
Dorn: **Edelstahl A4**
Flachrundkopf



Cuerpo: **Inox A4**
Vástago: **Inox A4**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	11.0	3.0 - 8.0	3.3	6.5	1.0	2.20	26	2200	1400	16ZZ13211
4.0	10.0	1.0 - 6.5	4.1	8.0	1.3	2.70	27	3500	2600	16ZZ14010
4.8	10.0	1.0 - 6.5	4.9	9.5	1.4	3.20	28	5000	4000	16ZZ14810
	15.0	5.0 - 10.0								16ZZ14815



Specifications

- Completely gas-tight and watertight
- The mandrel head is mechanically retained in the body (for applications such as electronics)
- Prevention of pressure loss in applications such as air ducts and refrigerated trucks
- Grip range: from 0.5 to 20.0 mm
- Stock: Ø3.2 – 4.0 – 4.8 and 6.4 mm in various lengths



Spezifikationen

- Luft-, staub- und wasserdicht
- Der Restnietdorn ist in der Niethülse gesichert
- Wird z.B. im Luftungs- und Fahrzeugbau verwendet
- Klemmbereiche: von 0.5 bis 20.0 mm
- Lager: Ø3.2 – 4.0 – 4.8 und 6.4 mm in verschiedenen Längen



Especificaciones

- Para uniones estancas al agua y al aire
- La cabeza del clavo queda retenida en el cuerpo del remache (para aplicaciones electrónicas)
- Prevención de pérdida de presión en aplicaciones tales como conductos de aire y camiones refrigerados
- Gama de espesores: desde 0.5 hasta 20.0 mm
- Stock: Ø3.2 – 4.0 – 4.8 y 6.4 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A1	A4/A4	Al/Al	Cop/St	Cop/Br
	✓	✓	✓	✓	X	✓	X	X
12 mm 	✗	✓	✗	✓	X	X	X	X
14 mm 	✓	✓	X	✓	X	X	X	X
	✓	✗	✓	✗	X	✓	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS


ASR64-PT


QR64


 * Also available in large head: 20AS24813 and 20AS24818
For more information, please contact our sales office at info@qonnect-fasteners.com.

 * Auch erhältlich Großkopf: 20AS24813 und 20AS24818
Für weitere Informationen wenden Sie sich bitte an unsere Vertriebsabteilung unter: info@qonnect-fasteners.com.

 * Disponible en ala ancha: 20AS24813 y 20AS24818
Para más información, por favor, contactar con nuestra oficina comercial en info@qonnectiberica.com



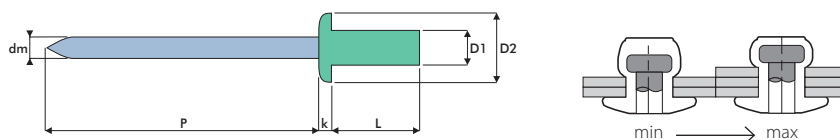
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15973

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.5	0.5 - 2.0	3.3	6.1	2.0	1.75	26	1450	1100	20AS13206
	8.0	2.0 - 3.5								20AS13208
	9.5	3.5 - 5.0								20AS13209
	10.5	5.0 - 6.5								20AS13210
	12.5	6.5 - 8.0								20AS13212
4.0	8.0	1.0 - 3.5	4.1	8.0	1.3	2.15	27	2200	1600	20AS14008
	9.5	3.5 - 4.5								20AS14009
	11.0	4.5 - 6.5								20AS14011
	12.5	6.5 - 8.0								20AS14012
	15.0	8.0 - 10.0								20AS14015
4.8	8.0	1.0 - 3.0	4.9	9.6	1.7	2.63	28	3100	2200	20AS14808
	9.5	3.0 - 5.0								20AS14809
	11.0	5.0 - 6.5								20AS14811
*	12.5	6.5 - 7.5								20AS14812
	14.0	7.5 - 9.0								20AS14814
	16.0	9.0 - 11.0								20AS14816
*	18.0	11.0 - 13.0								20AS14818
	21.0	13.0 - 16.0								20AS14821
	25.0	16.0 - 20.0								20AS14825
6.4	12.5	1.5 - 6.5	6.5	13.0	1.3	3.65	30	4900	3600	20AS16412
	16.0	6.5 - 9.5								20AS16416



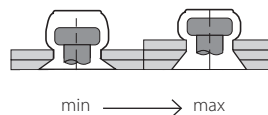
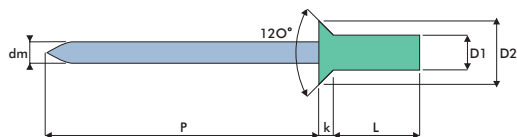
Body: **Aluminium**
Stem: **Steel**
Countersunk head



Hülse: **Aluminium**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache avellanada



DIN EN ISO 15974

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	7.5	1.5 - 3.5	3.3	5.9	1.6	1.75	26	1450	1100	20AS43207
	9.0	3.5 - 4.5								20AS43209
	10.5	4.5 - 6.5								20AS43210
	12.0	6.5 - 8.0								20AS43212
	13.5	8.0 - 9.5								20AS43213
4.0	9.5	2.0 - 5.0	4.1	8.0	2.0	2.15	27	2200	1600	20AS44009
	11.0	5.0 - 6.5								20AS44011
	12.5	6.5 - 8.0								20AS44012
	14.0	8.0 - 9.5								20AS44014
4.8	9.5	2.5 - 4.5	4.9	9.3	2.0	2.63	28	3100	2200	20AS44809
	11.0	4.5 - 6.0								20AS44811
	12.5	6.0 - 7.5								20AS44812
	14.0	7.5 - 9.0								20AS44814
	15.5	9.0 - 10.5								20AS44815
	17.0	10.5 - 12.0								20AS44817
	19.0	12.0 - 14.0								20AS44819



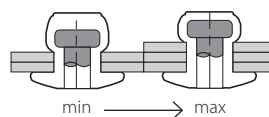
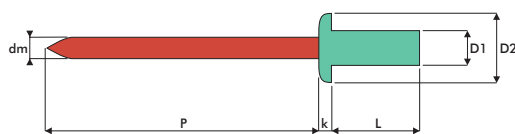
Body: **Aluminium**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache alomada



Similar DIN EN ISO 15973

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.5	0.5 - 2.0	3.3	6.1	2.5	1.75	26	1450	1100	20AX13206
	8.0	2.0 - 3.5								20AX13208
	9.5	3.5 - 5.0								20AX13209
	11.0	5.0 - 6.5								20AX13211
	12.5	6.5 - 8.0								20AX13212
4.0	8.0	1.0 - 3.5	4.1	8.0	1.5	2.15	27	2200	1600	20AX14008
	9.5	3.5 - 4.5								20AX14009
	11.0	4.5 - 6.5								20AX14011
	12.5	6.5 - 8.0								20AX14012
	14.0	8.0 - 9.5								20AX14014
	16.0	9.5 - 11.0								20AX14016
	18.0	11.0 - 13.0								20AX14018
4.8	8.0	1.0 - 3.0	4.9	9.6	1.7	2.63	28	3100	2200	20AX14808
	9.5	3.0 - 4.5								20AX14809
	11.0	4.5 - 6.0								20AX14811
	12.5	6.0 - 7.5								20AX14812
	14.0	7.5 - 9.0								20AX14814
	16.0	9.0 - 11.0								20AX14816
	18.0	11.0 - 13.0								20AX14818
	21.0	13.0 - 16.0								20AX14821
	25.0	16.0 - 20.0								20AX14825



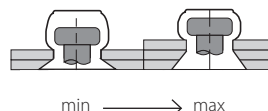
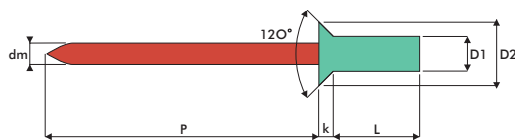
Body: **Aluminium**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache avellanada



Similar DIN EN ISO 15974

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	7.5	1.5 - 3.5	3.3	5.9	1.3	1.75	26	1450	1100	20AX43207
	9.0	3.5 - 4.5								20AX43209
	10.5	4.5 - 6.5								20AX43210
4.0	9.5	2.0 - 5.0	4.1	8.0	1.6	2.15	27	2200	1600	20AX44009
	11.0	5.0 - 6.5								20AX44011
	12.5	6.0 - 8.0								20AX44012
4.8	9.5	2.5 - 4.5	4.9	9.3	1.6	2.63	28	3100	2200	20AX44809
	11.0	4.5 - 6.0								20AX44811
	12.5	6.0 - 7.5								20AX44812
	14.0	7.5 - 9.0								20AX44814
	15.5	9.0 - 10.5								20AX44815
	17.0	10.5 - 12.0								20AX44817
	19.0	12.0 - 14.0								20AX44819



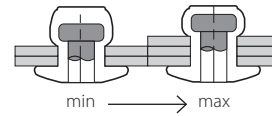
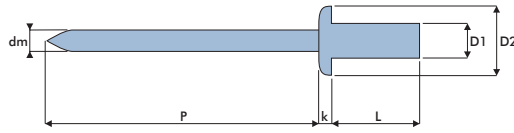
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



DIN EN ISO 15976

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.0	0.5 - 1.5	3.3	6.1	2.0	1.90	26	2200	1600	20SS13206
	8.0	1.5 - 3.0								20SS13208
	9.5	3.0 - 5.0								20SS13209
	12.0	5.0 - 6.5								20SS13212
4.0	6.0	0.5 - 1.5	4.1	8.0	1.3	2.30	27	2500	2200	20SS14006
	8.0	1.5 - 3.0								20SS14008
	9.5	2.5 - 4.5								20SS14009
	10.0	3.0 - 5.0								20SS14010
	12.0	5.0 - 6.5								20SS14012
	15.0	6.5 - 10.5								20SS14015
4.8	8.0	1.0 - 3.0	4.9	9.5	1.5	2.90	28	3800	2900	20SS14808
	9.5	3.0 - 4.5								20SS14809
	12.0	4.5 - 6.0								20SS14812
	16.0	6.0 - 10.5								20SS14816



Body: **Steel**
Stem: **Steel**

Large head



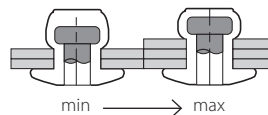
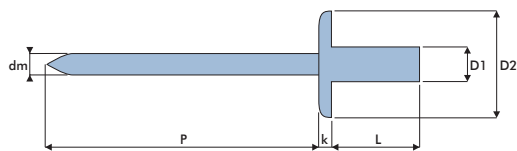
Hülse: **Stahl**
Dorn: **Stahl**

Großkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache cabeza ancha



Similar DIN EN ISO 15976

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	0.5 - 1.5	3.3	9.5	1.7	1.90	26	2200	1600	20SS23206
	8.0	1.5 - 3.0								20SS23208
	9.5	3.0 - 5.0								20SS23209
	10.0	3.5 - 5.5								20SS23210
	12.0	5.0 - 6.5								20SS23212
4.0	6.0	0.5 - 1.5	4.1	12.0	1.3	2.30	27	2500	2200	20SS24006
	8.0	1.5 - 3.0								20SS24008
	10.0	3.0 - 5.0								20SS24010
	12.0	5.0 - 6.5								20SS24012
	15.0	6.5 - 10.5								20SS24015
	16.0	7.0 - 11.0								20SS24016
4.8	8.0	1.0 - 3.0	4.9	14.0	1.7	2.90	28	3800	2900	20SS24808
	9.5	3.0 - 4.5								20SS24809
	10.0	2.5 - 4.5								20SS24810
	12.0	4.5 - 6.0								20SS24812
	16.0	6.0 - 10.5								20SS24816



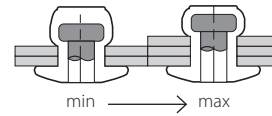
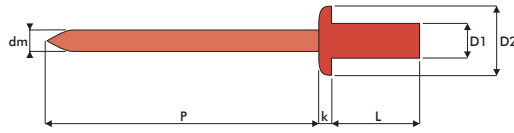
Body: **Stainless Steel A2**
Stem: **Stainless Steel A1**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A1**
Flachrundkopf



Cuerpo: **InoxA2**
Vástago: **Inox A1**
Remache alomada



DIN EN ISO 16585

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	0.5 - 1.5	3.3	6.1	2.0	1.90	26	2200	2000	20XY13206
	8.0	1.5 - 3.0								20XY13208
	9.5	3.0 - 5.0								20XY13209
	12.0	5.0 - 7.0								20XY13212
	14.0	7.0 - 9.0								20XY13214
4.0	6.0	0.5 - 1.5	4.1	8.0	2.0	2.30	27	3500	3000	20XY14006
	8.0	1.5 - 3.0								20XY14008
	9.5	2.5 - 4.5								20XY14009
	10.0	3.0 - 5.0								20XY14010
	12.0	5.0 - 6.5								20XY14012
	15.0	6.5 - 10.5								20XY14015
	16.0	7.0 - 11.0								20XY14016
4.8	8.0	1.0 - 3.0	4.9	9.5	2.3	2.90	28	4400	4000	20XY14808
	9.5	3.0 - 4.5								20XY14809
	12.0	4.5 - 6.0								20XY14812
	16.0	6.0 - 10.5								20XY14816
	20.0	10.5 - 14.0								20XY14820



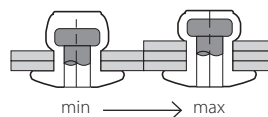
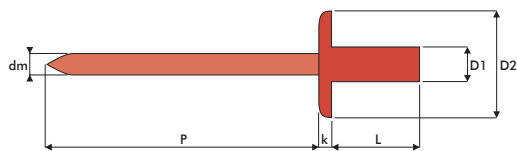
Body: **Stainless Steel A2**
Stem: **Stainless Steel A1**
Large head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A1**
Großkopf



Cuerpo: **Inox A2**
Vástago: **Inox A1**
Remache cabeza ancha



Similar DIN EN ISO 16585

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	6.0	0.5 - 1.5	3.3	9.5	2.3	1.90	26	2200	2000	20XY23206
	8.0	1.5 - 3.0								20XY23208
	9.5	3.0 - 5.0								20XY23209
	12.0	5.0 - 7.0								20XY23212
4.0	6.0	0.5 - 1.5	4.1	12.0	1.3	2.30	27	3500	3000	20XY24006
	8.0	1.5 - 3.0								20XY24008
	10.0	3.0 - 5.0								20XY24010
	12.0	5.0 - 6.5								20XY24012
	15.0	6.5 - 10.5								20XY24015
4.8	8.0	1.0 - 3.0	4.9	14.0	1.7	2.90	28	4400	4000	20XY24808
	9.5	3.0 - 4.5								20XY24809
	12.0	4.5 - 6.0								20XY24812
	16.0	6.0 - 10.5								20XY24816
	20.0	10.5 - 14.0								20XY24820



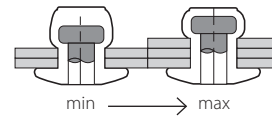
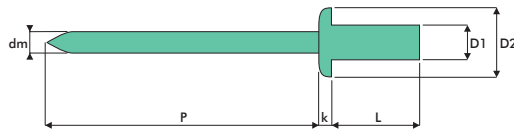
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



DIN EN ISO 15975

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.0	0.5 - 2.0	3.3	6.1	1.3	1.80	26	540	460	20AA13206
	8.0	2.0 - 3.5								20AA13208
	9.5	3.5 - 5.0								20AA13209
	10.0	5.0 - 6.5								20AA13210
	12.5	6.5 - 8.0								20AA13212
4.0	8.0	1.0 - 3.5	4.1	8.0	1.6	2.20	27	760	720	20AA14008
	9.5	3.5 - 4.5								20AA14009
	11.0	4.5 - 6.5								20AA14011
	12.5	6.5 - 8.5								20AA14012
	15.0	8.5 - 10.5								20AA14015
4.8	8.0	1.0 - 3.0	4.9	9.6	2.0	2.65	28	1400	1000	20AA14808
	9.5	3.0 - 4.5								20AA14809
	11.5	4.5 - 6.5								20AA14811
	12.5	6.0 - 7.5								20AA14812
	14.5	7.5 - 9.0								20AA14814
	16.0	9.0 - 11.0								20AA14816
	18.0	11.0 - 13.0								20AA14818
	21.0	13.0 - 16.0								20AA14821
	25.0	16.0 - 20.0								20AA14825



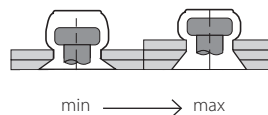
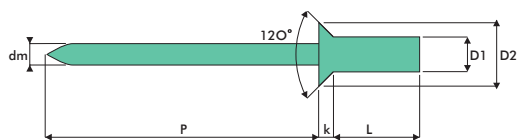
Body: **Aluminium**
Stem: **Aluminium**
Countersunk head



Hülse: **Aluminium**
Dorn: **Aluminium**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache avellanada



min → max

Similar DIN EN ISO 15974

D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	7.5	1.5 - 3.5	3.3	5.9	1.3	1.80	26	540	460	20AA43207
	9.0	3.5 - 4.5								20AA43209
	10.5	4.5 - 6.5								20AA43210
4.0	9.5	2.0 - 5.0	4.1	8.0	1.3	2.20	27	760	720	20AA44009
	11.0	5.0 - 6.5								20AA44011
	12.5	6.0 - 8.0								20AA44012
4.8	9.5	2.5 - 4.5	4.9	9.3	1.6	2.65	28	1400	1000	20AA44809
	11.0	4.5 - 6.0								20AA44811
	12.5	6.0 - 7.5								20AA44812
	14.0	7.5 - 9.0								20AA44814
	15.5	9.0 - 10.5								20AA44815
	17.0	10.5 - 12.0								20AA44817
	19.0	12.0 - 14.0								20AA44819



Specifications

- Suitable for soft materials on the back side and hard materials on the front side (steel on wood, plastic, or hard paper)
- Available with detachable mandrel head
- Grip range: from 0.0 to 40.0 mm
- Stock: Ø3.2 – 4.0 and 4.8 mm in various lengths



Spezifikationen

- Zur Verbindung von Hart/Weichen Materialkombinationen
- Auch mit lösendem Restnietdorn erhältlich
- Klemmbereiche: von 0.0 bis 40.0 mm
- Lager: Ø3.2 – 4.0 und 4.8 mm in verschiedenen Längen

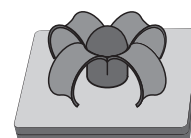


Especificaciones

- Para la unión de materiales blandos como madera, cauchos, pvc, paneles sándwich, etc
- Disponible con cabeza de vástago desmontable
- Gama de espesores: desde 0.0 hasta 40.0 mm
- Stock: Ø3.2 – 4.0 y 4.8 mm en diferentes longitudes



material AlMg 5.0



Product range / Lieferprogramm / Gama de productos

		Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
		✓	✗	✗	✗	✗	✗	✗	✗
14 mm		✓	✗	✗	✗	✗	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS



ASR64-PT



QR50



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



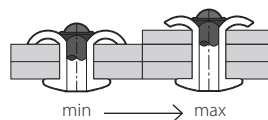
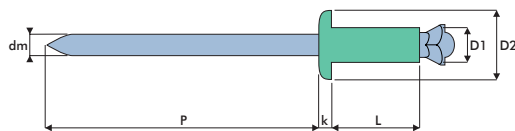
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	8.0	0.0 - 1.0	3.6 - 3.7	6.3	1.0	1.92	26	700	765	30AS13208
	10.0	1.0 - 3.0								30AS13210
	12.0	3.0 - 5.0								30AS13212
	14.0	5.0 - 7.0								30AS13214
	16.0	7.0 - 9.0								30AS13216
	18.0	9.0 - 11.0								30AS13218
4.0	10.0	1.0 - 3.0	4.4 - 4.5	8.0	1.2	2.30	27	1150	1260	30AS14010
	12.0	3.0 - 5.0								30AS14012
	14.0	5.0 - 7.0								30AS14014
	16.0	7.0 - 9.0								30AS14016
	18.0	9.0 - 11.0								30AS14018
	20.0	11.0 - 13.0								30AS14020
	25.0	13.0 - 18.0								30AS14025
4.8	30.0	18.0 - 23.0								30AS14030
	10.0	1.0 - 3.0	5.2 - 5.3	9.5	1.4	2.63	28	1600	1690	30AS14810
	12.0	3.0 - 5.0								30AS14812
	14.0	5.0 - 7.0								30AS14814
	16.0	7.0 - 9.0								30AS14816
	18.0	9.0 - 11.0								30AS14818
	20.0	11.0 - 13.0								30AS14820
	22.0	13.0 - 15.0								30AS14822
	25.0	16.0 - 18.0								30AS14825
	30.0	19.0 - 24.0								30AS14830
	35.0	24.0 - 29.0								30AS14835
4.8	40.0	29.0 - 33.0								30AS14840
	50.0	33.0 - 40.0								30AS14850
	12.0	3.0 - 5.0	5.2 - 5.3	14	1.6	2.63	28	1600	1690	30AS24812
	14.0	5.0 - 7.0								30AS24814
	16.0	7.0 - 9.0								30AS24816



Specifications

- The mandrel head is mechanically retained in the body
- Perfect for combining metal with wood (flight cases)
- Grip range: from 4.0 to 26.0 mm
- Stock: Ø3.2 – 4.0 and 4.8 mm in various lengths



Spezifikationen

- Der Restnietdorn ist in der Niethülse gesichert
- Ideal für Holz/Kunststoff Kombinationen z.B. Koffer
- Klemmbereiche: von 4.0 bis 26.0 mm
- Lager: Ø3.2 – 4.0 und 4.8 mm in verschiedenen Längen



Especificaciones

- La cabeza del clavo queda retenida en el cuerpo del remache
- Perfecto para la unión de metal con madera
- Gama de espesores: desde 4.0 hasta 26.0 mm
- Stock: Ø3.2 – 4.0 y 4.8 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	✓	✗	✗	✗	✗	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS



ASR64-PT



QR50



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



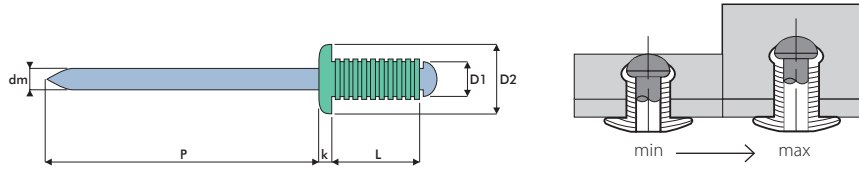
Body: **Aluminium**
Stem: **Steel**
Dome head



Hülse: **Aluminium**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Acero**
Cabeza alomada



D1	L	 min - max		D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
3.2	10.0	max.6	3.4	6.3	1.7	1.75	26	930	525	40AS13210
	14.0	max.10								40AS13214
4.0	8.0	max.4	4.3	8.0	2.3	2.15	27	1410	885	40AS14008
	10.0	max.6								40AS14010
	12.0	max.8								40AS14012
	16.0	max.12								40AS14016
4.8	8.0	max.4	5.1	9.5	2.3	2.65	28	1575	1185	40AS14808
	10.0	max.6								40AS14810
	11.0	max.7								40AS14811
	12.0	max.8								40AS14812
	14.0	max.10								40AS14814
	16.0	max.12								40AS14816
	18.0	max.14								40AS14818
	20.0	max.16								40AS14820
	25.0	max.21								40AS14825
	30.0	max.26								40AS14830



Specifications

- Suitable for very soft, fragile materials. Perfect for use in façade panels and on rooftops
- Grip range: from 1.0 to 12.0 mm
- Stock: Ø4.0 and 4.8 mm in various lengths



Spezifikationen

- Geeignet für sehr weiche zerbrechliche Materialien. Perfekt für den Einsatz in Fassadenplatten und Dächern
- Klemmbereiche: von 1.0 bis 12.0 mm
- Lager: Ø4.0 und 4.8 mm in verschiedenen Längen



Especificaciones

- Adecuado para la unión de materiales muy blandos o muy frágiles. Perfecto para uso en paneles de fachada y en tejados
- Gama de espesores: desde 1.0 a 12.0 mm
- Stock: Ø4.0 y 4.8 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	X	X	X	X	X	✓	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLRS



PL-50R



QR50



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



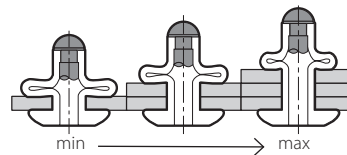
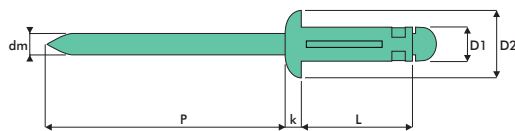
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.0	13.6	1.0 - 3.0	4.2 - 4.4	8.0	1.4	2.30	27	750	550	50AA14013
	18.8	3.0 - 7.0								50AA14018
	24.0	4.0 - 10.0								50AA14024
4.8	15.3	1.0 - 3.0	5.0 - 5.2	9.9	1.8	2.90	28	950	750	50AA14815
	20.5	3.0 - 9.0								50AA14820
	24.5	5.0 - 12.0								50AA14824



Specifications

- Ideal for fixing profiles, insulation, etc, on construction materials
- The rivets are set with a hammer or striking mechanism
- The pre-drilled hole must be oversized (5.3 mm), as specified
- Grip range: from 4.5 to 47.0 mm
- Stock: Ø4.8 mm in various lengths



Spezifikationen

- Ideal zum Befestigen von Profilen, Isolierungen, usw., auf Baustoffen
- Der Niet wird mit einem Schlagwerkzeug gesetzt
- Das vorgebohrte Loch muss überdimensioniert sein (5.3 mm), wie angegeben
- Klemmbereiche: von 4.5 bis 47.0 mm
- Lager: Ø4.8 mm in verschiedenen Längen



Especificaciones

- Ideal para la fijación de perfiles, aislamientos, etc, sobre materiales de obra
- Los remaches se fijan con un martillo o mecanismo de golpeo
- El taladro previo debe ser sobre-medida 5.3 mm como se especifica
- Gama de espesores: desde 4.5 hasta 47 mm
- Stock: Ø4.8 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

		Al/St	St/St	Al/A2	A2/A2	A4/A4	Al /Al	Cop/St	Cop/Br
16 mm		X	X	✓	X	X	X	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



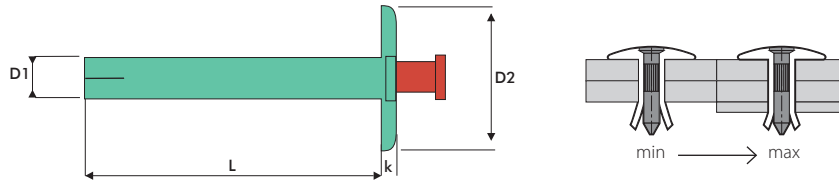
Body: **Aluminium**
Stem: **Stainless Steel A2**
Extra large head



Hülse: **Aluminium**
Dorn: **Edelstahl A2**
Extra Großkopf



Cuerpo: **Aluminio**
Vástago: **Inox A2**
Remache cabeza extra ancha



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	9.0	4.5 - 7.5	5.3	16.0	2.6	N/A	N/A	2900	3200	55AX34809
	11.0	6.5 - 9.0								55AX34811
	16.0	11.5 - 13.0								55AX34816
	20.0	15.5 - 17.0								55AX34820
	25.0	20.5 - 22.0								55AX34825
	30.0	25.5 - 27.0								55AX34830
	35.0	30.5 - 32.0								55AX34835
	40.0	35.5 - 37.0								55AX34840
	45.0	40.5 - 42.0								55AX34845
	50.0	45.5 - 47.0								55AX34850



Specifications

- A **special nosepiece is required** to ensure the retaining feature functions correctly, mechanically retaining the detachable mandrel head in the body
- Visual verification of correct installation possible
- Large grip range, high vibration resistance and watertight
- The materials must be attached together using heavy duty blind rivets in accordance with a structural engineer's recommendations
- Grip range: from 1.6 to 15.9 mm
- Stock: Ø4.8 and 6.4 mm in various lengths



Spezifikationen

- Um die Verriegelung des Restnietdornes zu gewährleisten, muss ein **spezielles Mundstück verwendet** werden
- Das Mundstück muss regelmäßig geprüft werden
- Visuelle Prüfung der Verarbeitung möglich
- Großer Klemmbereich, hohe Vibrationssicherheit, spritzwasserdicht
- Karosserie- und Fahrzeugbau, Schwerindustrie
- Klemmbereiche: von 1.6 bis 15.9 mm
- Lager: Ø4.8 und 6.4 mm in verschiedenen Längen



Especificaciones

- Para la colocación de este remache **se requiere una sufridera especial** para asegurar el correcto funcionamiento del remache, y la retención mecánica del vástago en el interior del cuerpo (Consultar con nuestro departamento técnico)
- Remache estructural, comportamiento multigrip, amplio rango de espesor por medida, alta resistencia a la vibración, retención mecánica del vástago en el interior del cuerpo del remache, buen rellenado del taladro
- Alta resistencia a tracción y cortadura
- Gama de espesores: desde 1.6 hasta 15.9 mm
- Stock: Ø4.8 y 6.4 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	X	✓	X	✓	X	✓	X	X
	X	✓	X	✓	X	✓	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASR64-PT



QR64



Nosepiece / Mundstück / sufridera



External mechanical mandrel locking. For processing structural blind rivets special nosepieces are required (page 135).



Dornverriegelung extern im Nietschaft. Zur Verarbeitung der Hochfesten Struktur Blindniete ist ein spezielles Mundstück zu verwenden (Seite 135).



Sellado externo. La colocación de este remache requiere de una sufridera especial (ver pag. 135)





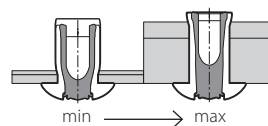
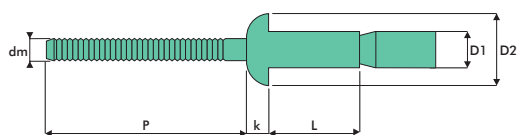
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	1.6 - 6.9	4.9 - 5.1	9.5	2.1	3.1	27	2200	3000	60AA14810
	14.0	1.6 - 11.1								60AA14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	2.9	4.1	28	4200	6000	60AA16414
	19.0	2.0 - 15.9								60AA16419



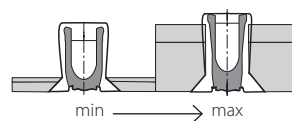
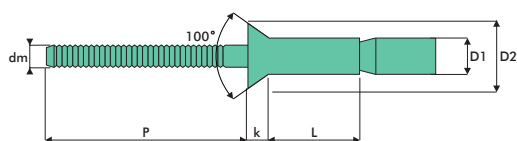
Body: **Aluminium**
Stem: **Aluminium**
Countersunk head



Hülse: **Aluminium**
Dorn: **Aluminium**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache avellanada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	12.0	3.2 - 8.4	4.9 - 5.1	8.6	2.2	3.1	27	2200	3000	60AA44812
	16.0	3.2 - 12.2								60AA44816
6.4	16.0	3.2 - 12.0	6.6 - 6.9	10.2	2.4	4.1	28	4200	6000	60AA46416



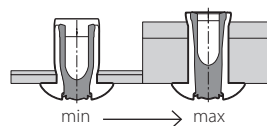
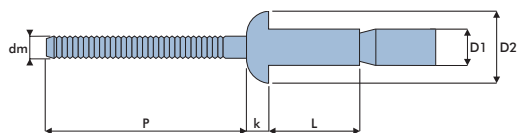
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	1.6 - 6.9	4.9 - 5.1	9.5	2.1	3.1	27	5100	6400	60SS14810
	14.0	1.6 - 11.1								60SS14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	2.9	4.1	28	10400	11700	60SS16414
	19.0	2.0 - 15.9								60SS16419



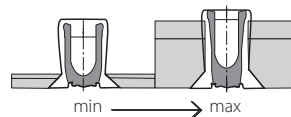
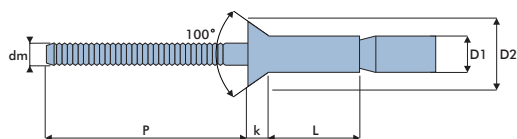
Body: **Steel**
Stem: **Steel**
Countersunk head



Hülse: **Stahl**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache avellanada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	12.0	3.2 - 8.4	4.9 - 5.1	8.6	2.2	3.1	27	5100	6400	60SS44812
	16.0	3.2 - 12.2								60SS44816
6.4	16.0	3.2 - 12.0	6.6 - 6.9	10.2	2.4	4.1	28	10400	11700	60SS46416



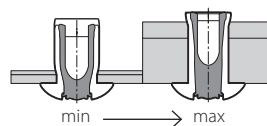
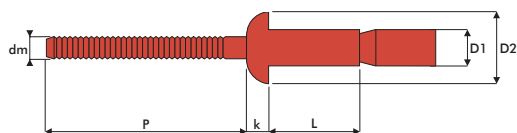
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	1.6 - 6.9	4.9 - 5.1	9.5	2.1	3.1	27	5100	6400	60XX14810
	14.0	1.6 - 11.1								60XX14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	2.9	4.1	28	10400	11700	60XX16414
	19.0	2.0 - 15.9								60XX16419



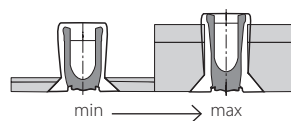
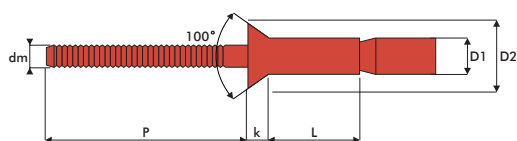
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache avellanada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	12.0	3.2 - 8.4	4.9 - 5.1	8.6	2.2	3.1	27	5100	6400	60XX44812
	16.0	3.2 - 12.2								60XX44816
6.4	16.0	3.2 - 12.0	6.6 - 6.9	10.2	2.4	4.1	28	10400	11700	60XX46416



Specifications

- **No special nosepiece** is required to ensure the retaining feature functions correctly
- Internal mechanical mandrel locking
- Large grip range, high vibration resistance and watertight
- The materials must be attached together using heavy duty blind rivets in accordance with a structural engineer's recommendations
- Grip range: from 1.6 to 17.5 mm
- Stock: Ø4.8 and 6.4 mm in various lengths



Spezifikationen

- **Kein spezielle Mundstück** notwendig
- Dornverriegelung intern im Nietschaft
- Großer Klemmbereich, hohe Vibrationssicherheit, spritzwasserdicht
- Karosserie- und Fahrzeugbau, Schwerindustrie
- Klemmbereiche: von 1.6 bis 17.5 mm
- Lager: Ø4.8 und 6.4 mm in verschiedenen Längen



Especificaciones

- Para la colocación de este remache, **no se requiere de una sufridera especial** para asegurar el correcto funcionamiento del remache, y la retención mecánica del vástago en el interior del cuerpo
- Remache estructural, comportamiento multigrip, amplio rango de espesor por medida, alta resistencia a la vibración, retención mecánica del vástago en el interior del cuerpo del remache, buen relleno del taladro
- Alta resistencia a tracción y cortadura
- Gama de espesores: desde 1.6 hasta 17.5 mm
- Stock: Ø4.8 y 6.4 mm en diferentes longitudes



Product range / Lieferprogram / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	X	✓	X	✓	X	✓	X	X
	X	✓	X	✓	X	✓	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASR64-PT



QR64



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



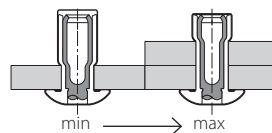
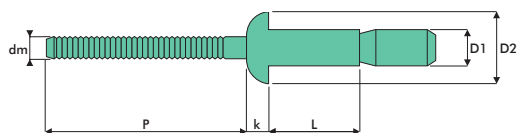
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	1.6 - 6.4	4.9 - 5.1	9.5	2.2	3.1	27	2000	2400	65AA14810
	14.0	1.6 - 11.1								65AA14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	3.0	4.1	28	3600	5600	65AA16414
	20.0	2.0 - 16.0								65AA16420



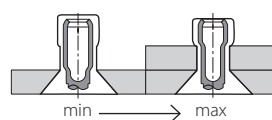
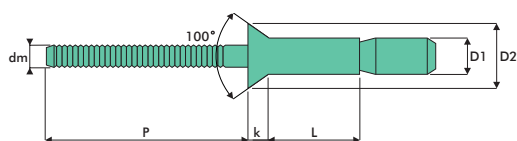
Body: **Aluminium**
Stem: **Aluminium**
Countersunk head



Hülse: **Aluminium**
Dorn: **Aluminium**
Senkkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache avellanada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	12.0	3.5 - 8.0	4.9 - 5.1	8.8	1.8	3.1	27	2000	2400	65AA44812
	16.0	3.5 - 12.5								65AA44816
6.4	16.0	5.0 - 11.1	6.6 - 6.9	10.6	2.0	4.1	28	3600	5600	65AA46416
	22.0	5.0 - 17.5								65AA46422



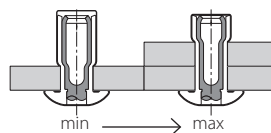
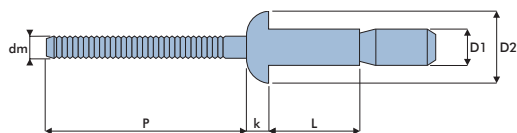
Body: **Steel**
Stem: **Steel**
Dome head



Hülse: **Stahl**
Dorn: **Stahl**
Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache alomada



D	L	 min - max		dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	10.0	1.6 - 6.4	4.9 - 5.1	9.5	2.2	3.1	27	4400	5700	65SS14810
	14.0	1.6 - 11.1								65SS14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	3.0	4.1	28	8200	11100	65SS16414
	20.0	2.0 - 15.9								65SS16420



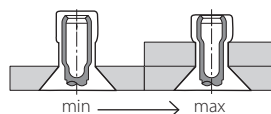
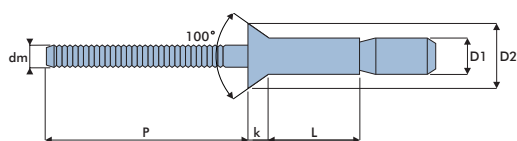
Body: **Steel**
Stem: **Steel**
Countersunk head



Hülse: **Stahl**
Dorn: **Stahl**
Senkkopf



Cuerpo: **Acero**
Vástago: **Acero**
Remache avellanada



D	L	 min - max		dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	12.0	3.6 - 7.9	4.9 - 5.1	8.8	1.8	3.1	27	4400	5700	65SS44812
	16.0	3.6 - 12.7								65SS44816
6.4	16.0	5.0 - 11.1	6.6 - 6.9	10.6	2.0	4.1	28	8200	11100	65SS46416
	22.0	5.0 - 17.5								65SS46422



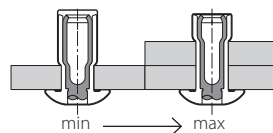
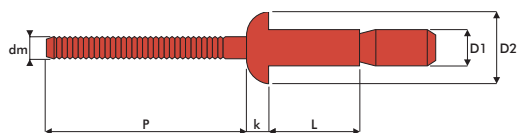
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	10.0	1.6 - 6.4	4.9 - 5.1	9.5	2.2	3.1	27	4400	5700	65XX14810
	14.0	1.6 - 11.1								65XX14814
6.4	14.0	2.0 - 9.5	6.6 - 6.9	12.7	3.0	4.0	28	8200	10500	65XX16414
	20.0	2.0 - 15.9								65XX16420



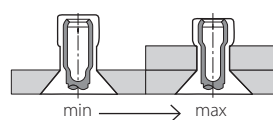
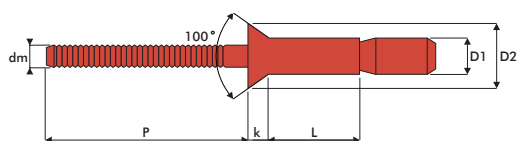
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Countersunk head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Senkkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache avellanada



D	L	 min - max	 mm	dk	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	12.0	3.6 - 7.9	4.9 - 5.1	8.8	1.8	3.1	27	4400	5700	65XX44812
	16.0	3.6 - 12.7								65XX44816
6.4	16.0	5.0 - 11.1	6.6 - 6.9	10.6	2.0	4.1	28	8200	10500	65XX46416
	22.0	5.0 - 17.5								65XX46422



Specifications

- The mandrel head is mechanically retained in the body
- Watertight connection
- Grip range: from 1.0 to 8.5 mm
- Stock: Ø3.2 – 4.0 and 4.8 in various lengths



Spezifikationen

- Verriegelter Restnietdorn
- Hohe Vibrationssicherheit, spritzwasserdicht
- Klemmbereiche: von 1.0 bis 8.5 mm
- Lager: Ø3.2 – 4.0 und 4.8 in verschiedenen Längen



Especificaciones

- Alta resistencia a tracción y cortadura, sistema de retención del vástago, buen rellenado del taladro, mayor fuerza de apriete
- Conexión estanca
- Gama de espesores: desde 1.0 hasta 8.5 mm
- Stock: Ø3.2 – 4.0 y 4.8 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	X	✓	X	✓	X	X	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASR64-PT



QR50



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



Body: **Steel**
Stem: **Steel**

Dome head



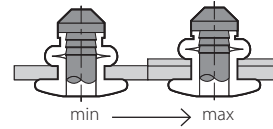
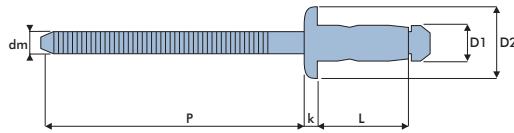
Hülse: **Stahl**
Dorn: **Stahl**

Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache alomada



D	L	min - max		dk	k max.	dm ref.	p min.			code
	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.5	1.0 - 3.0	3.3 - 3.4	6.3	1.0	1.90	26	1200	1200	70SS13206
	9.0	3.0 - 5.0						1200	1750	70SS13209
	11.5	5.0 - 7.0						1200	1750	70SS13211
4.0	7.5	1.0 - 3.0	4.1 - 4.2	8.0	1.3	2.50	27	2800	2400	70SS14007
	9.5	3.0 - 5.0						2800	3500	70SS14009
	12.5	5.0 - 7.0						2800	4100	70SS14012
4.8	9.0	1.5 - 3.5	4.9 - 5.1	9.5	1.5	2.90	28	3800	3600	70SS14809
	11.5	3.5 - 6.0						3800	4200	70SS14811
	14.5	6.0 - 8.5						3800	5600	70SS14814



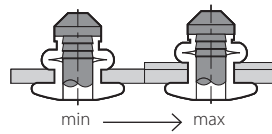
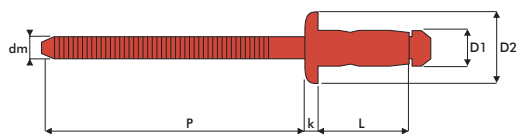
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
3.2	6.5	1.0 - 3.0	3.3 - 3.4	6.3	1.0	2.10	26	2200	1600	70XX13206
	9.0	3.0 - 5.0						2200	1700	70XX13209
	11.5	5.0 - 7.0						2200	3200	70XX13211
4.0	7.5	1.0 - 3.0	4.1 - 4.2	8.0	1.3	2.50	27	4000	2800	70XX14007
	9.5	3.0 - 5.0						4000	5200	70XX14009
	12.5	5.0 - 7.0						4000	5200	70XX14012
4.8	9.0	1.5 - 3.5	4.9 - 5.1	9.5	1.5	3.18	28	5000	5500	70XX14809
	11.5	3.5 - 6.0						5000	5500	70XX14811
	14.5	6.0 - 8.5						5000	5500	70XX14814



Specifications

- The double locking mechanism provides extremely durable attachment
- High vibration resistance and watertight
- Grip range: from 1.5 to 14.8 mm
- Stock: Ø4.8 and 6.4 mm in various lengths



Spezifikationen

- Der doppelte Verriegelungsmechanismus sorgt für eine äußerst dauerhafte Befestigung
- Hohe Vibrationssicherheit, spritzwasserdicht
- Klemmbereiche: von 1.5 bis 14.8 mm
- Lager: Ø4.8 und 6.4 mm in verschiedenen Längen



Especificaciones

- Remache estructural, con alta resistencia a tracción y cortadura, sistema de retención del vástago, buen rellenado del taladro, gran fuerza de apriete. El mecanismo de doble agarre le dota de una fijación de larga duración
- Conexión estanca
- Gama de espesores: desde 1.5 hasta 14.8 mm
- Stock: Ø4.8 y 6.4 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

	Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
	X	✓	X	✓	X	X	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASR64-PT



QR64



Also available in (extra) Large Head. For more information, please contact our sales office at info@qconnect-fasteners.com.



Auch erhältlich (extra) Großkopf. Für weitere Informationen wenden Sie sich bitte an unsere Vertriebsabteilung unter: info@qconnect-fasteners.com.



Disponible en remache cabeza (extra) ancha. Para más información, contacte con nuestra oficina de ventas o en el correo electrónico info@qconnectiberica.com.



Body: **Steel**
Stem: **Steel**

Dome head



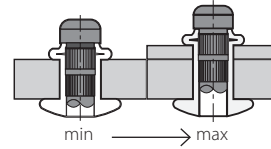
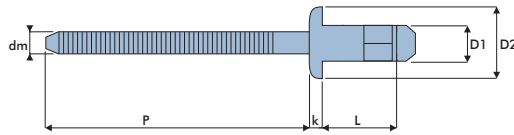
Hülse: **Stahl**
Dorn: **Stahl**

Flachrundkopf



Cuerpo: **Acero**
Vástago: **Acero**

Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
4.8	9.0	1.5 - 3.5	4.9 - 5.1	9.5	2.4	3.10	30	3800	4600	75SS14809
	11.5	3.5 - 6.0						3800	5700	75SS14811
	14.0	6.0 - 8.5						3800	6100	75SS14814
	16.5	8.5 - 11.0						3800	6100	75SS14816
6.4	9.0	1.5 - 3.5	6.5 - 6.7	12.8	2.9	4.17	32	7500	12500	75SS16409
	10.5	2.8 - 4.8						7500	12500	75SS16410
	11.5	3.35 - 5.35						7500	12500	75SS16411
	12.5	4.8 - 6.8						7500	12500	75SS16412
	14.5	6.8 - 8.8						7500	14000	75SS16414
	15.5	7.5 - 9.5						7500	15000	75SS16415
	16.5	8.8 - 10.8						7500	15000	75SS16416
	17.5	9.8 - 11.8						7500	15000	75SS16417
	18.5	10.8 - 12.8						7500	16000	75SS16418
	19.5	11.8 - 13.8						7500	16000	75SS16419
	20.5	12.8 - 14.8						7500	16000	75SS16420



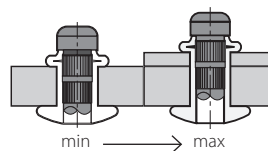
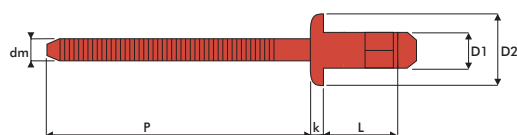
Body: **Stainless Steel A2**
Stem: **Stainless Steel A2**
Dome head



Hülse: **Edelstahl A2**
Dorn: **Edelstahl A2**
Flachrundkopf



Cuerpo: **Inox A2**
Vástago: **Inox A2**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
	mm	mm	mm	mm	mm	mm	mm			
4.8	9.0	1.5 - 3.5	4.9 - 5.1	9.5	2.4	3.10	30	3800	4600	75XX14809
	11.5	3.5 - 6.0						3800	5700	75XX14811
	14.0	6.0 - 8.5						3800	6100	75XX14814
	16.5	8.5 - 11.0						3800	6100	75XX14816
6.4	9.0	1.5 - 3.5	6.5 - 6.7	12.8	2.9	4.17	32	7500	12500	75XX16409
	10.5	2.8 - 4.8						7500	12500	75XX16410
	11.5	3.35 - 5.35						7500	12500	75XX16411
	12.5	4.8 - 6.8						7500	12500	75XX16412
	14.5	6.8 - 8.8						7500	14000	75XX16414
	15.5	7.5 - 9.5						7500	15000	75XX16415
	16.5	8.8 - 10.8						7500	15000	75XX16416
	17.5	9.8 - 11.8						7500	15000	75XX16417
	18.5	10.8 - 12.8						7500	16000	75XX16418
	19.5	11.8 - 13.8						7500	16000	75XX16419
	20.5	12.8 - 14.8						7500	16000	75XX16420



Specifications

- A special nosepiece is required
- Wide grip range and can be used in flat or curved components
- Vibration resistant and watertight when used with neoprene washer
- Grip range: from 1.3 to 19.1 mm
- Stock: Ø5.2 - 6.4 and 7.5 mm in various lengths



Spezifikationen

- Ein spezielles Mundstück zu verwenden
- Großer Klemmbereich und kann in flachen oder gebogenen Bauteilen eingesetzt werden
- Hohe Vibrationssicherheit, wasserdicht bei Verwendung mit Neopren Wascher
- Klemmbereiche: von 1.3 bis 19.1 mm
- Lager: Ø5.2 – 6.4 und 7.5 mm in verschiedenen Längen



Especificaciones

- Para la colocación de este remache se requiere una sufridera especial para asegurar el correcto funcionamiento del remache (Consultar con nuestro departamento técnico)
- Amplia gama de espesores y pudiéndose utilizar en la unión de componentes con ala o curvados
- Alta resistencia a la vibración y fuga de agua cuando se utiliza con arandela de neopreno
- Gama de espesores: desde 1.3 hasta 19.1 mm
- Stock: Ø5.2 – 6.4 y 7.5 mm en diferentes longitudes



Product range / Lieferprogramm / Gama de productos

		Al/St	St/St	Al/A2	A2/A2	A4/A4	Al/Al	Cop/St	Cop/Br
		X	X	X	X	X	✓	X	X
19 mm		X	X	X	X	X	✓	X	X

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASR64-PT



QR64



Nosepiece / Mundstück / sufridera

For processing the Q-Split-Power blind rivet special nosepiece is required (page 135).

Zur Verarbeitung der Q-Split-Power Blindniete ist ein spezielles Mundstück zu verwenden (Seite 135).

Para el montaje del remache tipo Q-Split-Power se requiere una sufridera especial (ver pag. 135)





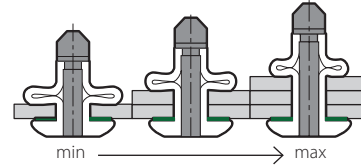
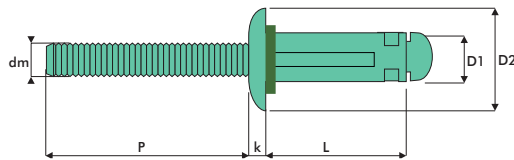
Body: **Aluminium**
Stem: **Aluminium**
Dome head



Hülse: **Aluminium**
Dorn: **Aluminium**
Flachrundkopf



Cuerpo: **Aluminio**
Vástago: **Aluminio**
Remache alomada



D1	L	 min - max	 mm	D2	k max.	dm ref.	p min.	 [N]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	mm	[N]	[N]	
5.2	17.5	1.3 - 4.8	5.3 - 5.5	11.6	3.4	2.9	25	2000	3000	85AA15217
	19.1	1.6 - 6.4						2000	3000	85AA15219
	22.2	4.7 - 9.5						2000	3000	85AA15222
	25.4	7.9 - 12.7						2000	3000	85AA15225
	28.6	11.1 - 15.9						2000	3000	85AA15228
	31.8	14.3 - 19.1						2000	3000	85AA15231
6.4	20.2	1.6 - 6.4	6.4 - 6.6	14.5	4.0	3.9	25	2500	4200	85AA16420
	23.4	3.2 - 9.5						2500	4200	85AA16423
	26.5	6.4 - 12.7						2500	4200	85AA16426
	29.7	9.5 - 15.9						2500	4200	85AA16429
7.5	28.0	1.1 - 9.5	7.8 - 8.2	16.0	5.3	4.5	25	4895	6400	85AA17528
	34.0	6.4 - 15.9						4895	6400	85AA17534
7.5	28.0	1.1 - 9.5	7.8 - 8.2	19.0	5.3	4.5	25	4895	6400	85AA27528
	34.0	6.4 - 15.9						4895	6400	85AA27534



Blindnietmuttern



Specifications

- Open/Closed versions with a standard flat head, countersunk head or reduced countersunk head
- Closed: fully waterproof version
- Grip range: from 0.5 to 6.0 mm
- Stock: M3 to M12
- Customization: M14, M16 and match specification/drawing



Spezifikationen

- Offen und geschlossen mit Flachkopf, Senkkopf oder Kleiner Mini Senkkopf
- Geschlossene Ausführung ist spritzwasserdicht
- Klemmbereiche: von 0.5 bis 6.0 mm
- Lager: M3 bis M12
- Option: M14, M16 und nach Kundenspezifikation/Zeichnung



Especificaciones

- Versiones abiertas y cerradas con cabeza ancha, cabeza avellanada o cabeza reducida
- Versione cerrada està impermeable
- Gama de espesores: desde 0.5 hasta 6.0 mm
- Stock: M3 a M12
- Personalizables: M14, M16 y ajustado a especificaciones de plano



Product range / Lieferprogramm / Gama de productos

	St	A2	A4	A1
	✓	✓	✓	✓
	✓	✓	✗	✓
	✓	✓	✓	✓

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PLN



PL6N



ASN12PT



 For packaging and technical specifications please check the index pages (page 6)

 Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)

 Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)

Q-NUT STANDARD



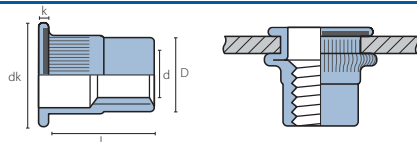
Body: **Steel**
Zinc plated
Flat head
Open end



Hülse: **Stahl**
Verzinkt
Flachkopf
Offen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Abierta



d	D Ø	L	 min - max		dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	[Nm]	[N]	
M3	4.9	10.0	0.5 - 3.0	Ø5.0	6.5	1.0	1.2	4000	02ST01F0301
M4	5.9	10.0	0.5 - 3.0	Ø6.0	8.5	1.0	3.0	6800	02ST01F0401
M4	5.9	12.0	3.1 - 4.0	Ø6.0	8.5	1.0	3.0	6800	02ST01F0402
M5	6.9	12.0	0.5 - 3.0	Ø7.0	9.5	1.0	6.0	10000	02ST01F0501
M5	6.9	15.0	3.1 - 6.0	Ø7.0	9.5	1.0	6.0	10000	02ST01F0502
M6	8.9	14.5	0.5 - 3.0	Ø9.0	12.5	1.5	10.0	15000	02ST01F0601
M6	8.9	17.5	3.1 - 6.0	Ø9.0	12.5	1.5	10.0	15000	02ST01F0602
M8	10.9	16.0	0.5 - 3.0	Ø11.0	15.5	1.5	24.0	27000	02ST01F0801
M8	10.9	19.0	3.1 - 5.5	Ø11.0	15.5	1.5	24.5	27000	02ST01F0802
M10	12.9	17.0	1.0 - 3.5	Ø13.0	18.5	2.0	48.5	37000	02ST01F1001
M10	12.9	22.0	3.5 - 6.0	Ø13.0	18.5	2.0	48.0	37000	02ST01F1002
M12	15.9	23.0	1.0 - 4.0	Ø16.0	22.5	2.0	82.0	54000	02ST01F1201



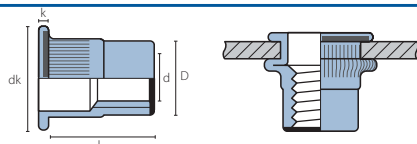
Body: **Steel**
Zinc plated
Flat head
Closed end



Hülse: **Stahl**
Verzinkt
Flachkopf
Geschlossen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Cerrada



d	D Ø	L	 min - max		dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	[Nm]	[N]	
M4	5.9	16.5	0.5 - 3.0	Ø6.0	8.5	1.0	3.0	6800	02ST02F0401
M5	6.9	19.0	0.5 - 3.0	Ø7.0	9.5	1.0	6.0	10000	02ST02F0501
M6	8.9	22.0	0.5 - 3.0	Ø9.0	12.5	1.5	10.0	15000	02ST02F0601
M8	10.9	26.5	0.5 - 3.0	Ø11.0	15.5	1.5	24.0	27000	02ST02F0801
M10	12.9	37.0	1.0 - 3.5	Ø13.0	18.5	2.0	48.0	37000	02ST02F1001

Q-NUT STANDARD



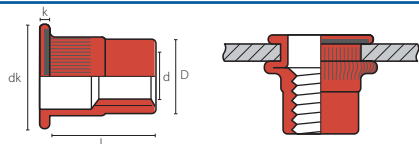
Body: Stainless Steel A2
Flat head
Open end



Hülse: Edelstahl A2
Flachkopf
Offen



Cuerpo: Inox A2
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M3	4.9	10.0	0.5 - 3.0	Ø5.0	6.5	1.0	1.2	4000	02SS01F0301
M4	5.9	10.0	0.5 - 3.0	Ø6.0	8.5	1.0	3.0	6800	02SS01F0401
M5	6.9	12.0	0.5 - 3.0	Ø7.0	9.5	1.0	6.0	10000	02SS01F0501
M6	8.9	14.5	0.5 - 3.0	Ø9.0	12.5	1.5	10.0	15000	02SS01F0601
M8	10.9	16.0	0.5 - 3.0	Ø11.0	15.5	1.5	24.0	27000	02SS01F0801
M10	12.9	17.0	1.0 - 3.5	Ø13.0	18.5	2.0	48.0	37000	02SS01F1001
M12	15.9	25.0	1.0 - 4.0	Ø16.0	22.0	2.0	82.0	54000	02SS01F1201



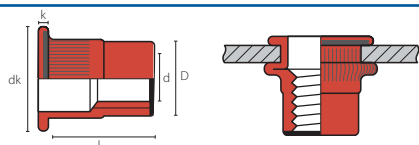
Body: Stainless Steel A2
Flat head
Closed end



Hülse: Edelstahl A2
Flachkopf
Geschlossen



Cuerpo: Inox A2
Cabeza ancha
Cerrada



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.5	0.5 - 3.0	Ø6.0	8.5	1.0	3.0	6800	02SS02F0401
M5	6.9	19.0	0.5 - 3.0	Ø7.0	9.5	1.0	6.0	10000	02SS02F0501
M6	8.9	22.0	0.5 - 3.0	Ø9.0	12.5	1.5	10.0	15000	02SS02F0601
M8	10.9	26.5	0.5 - 3.0	Ø11.0	15.5	1.5	24.0	27000	02SS02F0801
M10	12.9	37.0	1.0 - 3.5	Ø13.0	18.5	2.0	48.0	37000	02SS02F1001



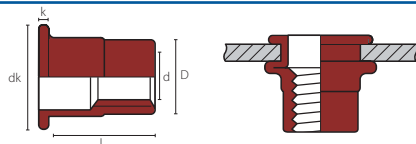
Body: Stainless Steel A4
Flat head
Open end



Hülse: Edelstahl A4
Flachkopf
Offen



Cuerpo: Inox A4
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	9.0	0.5 - 3.0	Ø6.0	8.8	1.0	3.0	6800	02ZZ01F0401
M5	6.9	11.0	0.5 - 3.0	Ø7.0	9.8	1.0	6.0	10000	02ZZ01F0501
M6	8.9	13.0	0.5 - 3.0	Ø9.0	12.5	1.5	10.0	15000	02ZZ01F0601
M8	10.9	14.5	0.5 - 3.0	Ø11.0	15.5	1.5	24.0	27000	02ZZ01F0801



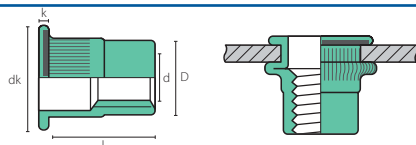
Body: Aluminium
Flat head
Open end



Hülse: Aluminium
Flachkopf
Offen



Cuerpo: Aluminio
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M3	4.9	10.0	0.5 - 3.0	Ø5.0	6.5	1.0	0.7	2500	02AL01F0301
M4	5.9	10.0	0.5 - 3.0	Ø6.0	8.5	1.0	2.0	4000	02AL01F0401
M4	5.9	12.0	3.1 - 4.0	Ø6.0	8.5	1.0	2.0	4000	02AL01F0402
M5	6.9	12.0	0.5 - 3.0	Ø7.0	9.5	1.0	4.0	5500	02AL01F0501
M5	6.9	15.0	3.1 - 6.0	Ø7.0	9.5	1.0	4.0	5500	02AL01F0502
M6	8.9	14.5	0.5 - 3.0	Ø9.0	12.5	1.5	6.0	8300	02AL01F0601
M6	8.9	17.5	3.1 - 6.0	Ø9.0	12.5	1.5	6.0	8300	02AL01F0602
M8	10.9	16.0	0.5 - 3.0	Ø11.0	15.5	1.5	15.0	13000	02AL01F0801
M8	10.9	19.0	3.1 - 5.5	Ø11.0	15.5	1.5	15.0	13000	02AL01F0802
M10	12.9	17.0	1.0 - 3.5	Ø13.0	18.5	2.0	27.0	20000	02AL01F1001
M10	12.9	22.0	3.5 - 6.0	Ø13.0	18.5	2.0	27.0	20000	02AL01F1002
M12	15.9	23.0	1.0 - 4.0	Ø16.0	22.5	2.0	45.0	28000	02AL01F1201

Q-NUT STANDARD



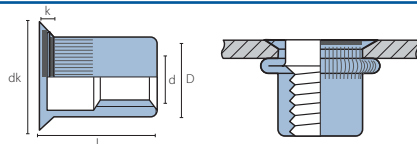
Body: Steel
Zinc plated
Countersunk head
Open end



Hülse: Stahl
Verzinkt
Senkkopf
Offen



Cuerpo: Acero
Cincado
Cabeza avellanada
Abierta



d	D Ø	L	 min - max		dk Ø	k max.	 [Nm]	 [N]	code
M4	5.9	11.5	1.5 - 3.5	Ø6.0	8.5	1.5	3.0	6800	02ST01C0401
M5	6.9	13.5	1.5 - 4.0	Ø7.0	9.5	1.5	6.0	10000	02ST01C0501
M6	8.9	16.0	1.5 - 4.5	Ø9.0	11.5	1.5	10.0	15000	02ST01C0601
M8	10.9	19.0	1.5 - 4.5	Ø11.0	13.5	1.5	24.0	27000	02ST01C0801
M10	12.9	21.0	1.5 - 4.5	Ø13.0	15.5	1.5	48.0	37000	02ST01C1001



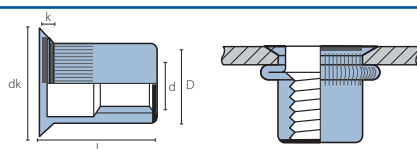
Body: Steel
Zinc plated
Countersunk head
Closed end



Hülse: Stahl
Verzinkt
Senkkopf
Geschlossen



Cuerpo: Acero
Cincado
Cabeza avellanada
Cerrada



d	D Ø	L	 min - max		dk Ø	k max.	 [Nm]	 [N]	code
M4	5.9	17.5	1.5 - 3.5	Ø6.0	8.5	1.5	3.0	6800	02ST02C0401
M5	6.9	20.5	1.5 - 4.0	Ø7.0	9.5	1.5	6.0	10000	02ST02C0501
M6	8.9	23.5	1.5 - 4.5	Ø9.0	11.5	1.5	10.0	15000	02ST02C0601
M8	10.9	28.0	1.5 - 4.5	Ø11.0	13.5	1.5	24.0	27000	02ST02C0801
M10	12.9	36.0	1.5 - 4.5	Ø13.0	15.5	1.5	48.0	37000	02ST02C1001



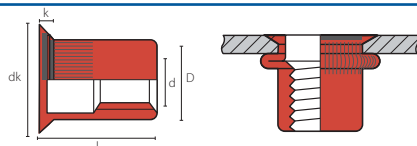
Body: Stainless Steel A2
Countersunk head
Open end



Hülse: Edelstahl A2
Senkkopf
Offen



Cuerpo: Inox A2
Cabeza avellanada
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	11.5	1.5 - 3.5	Ø6.0	8.5	1.5	3.0	6800	02SS01C0401
M5	6.9	13.5	1.5 - 4.0	Ø7.0	9.5	1.5	6.0	10000	02SS01C0501
M6	8.9	16.0	1.5 - 4.5	Ø9.0	11.5	1.5	10.0	15000	02SS01C0601
M8	10.9	19.0	1.5 - 4.5	Ø11.0	13.5	1.5	24.0	27000	02SS01C0801
M10	12.9	21.0	1.5 - 4.5	Ø13.0	15.5	1.5	48.0	37000	02SS01C1001



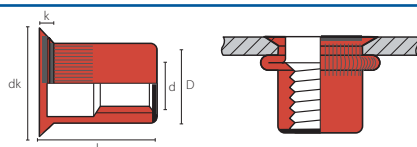
Body: Stainless Steel A2
Countersunk head
Closed end



Hülse: Edelstahl A2
Senkkopf
Geschlossen



Cuerpo: Inox A2
Cabeza avellanada
Cerrada



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	17.5	1.5 - 3.5	Ø6.0	8.5	1.5	3.0	6800	02SS02C0401
M5	6.9	20.5	1.5 - 4.0	Ø7.0	9.5	1.5	6.0	10000	02SS02C0501
M6	8.9	23.5	1.5 - 4.5	Ø9.0	11.5	1.5	10.0	15000	02SS02C0601
M8	10.9	28.0	1.5 - 4.5	Ø11.0	13.5	1.5	24.0	27000	02SS02C0801
M10	12.9	36.0	1.5 - 4.5	Ø13.0	15.5	1.5	48.0	37000	02SS02C1001

Q-NUT STANDARD



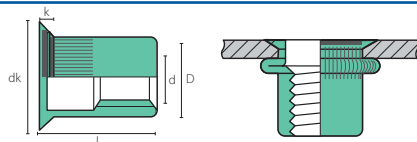
Body: Aluminium
Countersunk head
Open end



Hülse: Aluminium
Senkkopf
Offen



Cuerpo: Aluminio
Cabeza avellanada
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	11.5	1.5 - 3.5	Ø6.0	8.5	1.5	2.0	4000	02AL01C0401
M5	6.9	13.5	1.5 - 4.0	Ø7.0	9.5	1.5	4.0	5500	02AL01C0501
M6	8.9	16.0	1.5 - 4.5	Ø9.0	11.5	1.5	6.0	8300	02AL01C0601
M8	10.9	16.0	1.5 - 4.5	Ø11.0	13.5	1.5	15.0	13000	02AL01C0801
M10	12.9	21.0	1.5 - 4.5	Ø13.0	15.5	1.5	27.0	20000	02AL01C1001



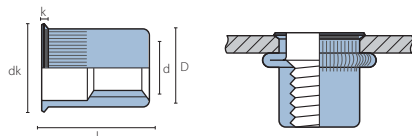
Body: Steel
Zinc plated
Reduced countersunk head
Open end



Hülse: Stahl
Verzinkt
Kleiner Mini Senkkopf
Offen



Cuerpo: Acero
Cincado
Cabeza reducida
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M3	4.9	9.0	0.5 - 2.0	Ø5.0	6.0	0.5	1.0	4900	02ST01R0301
M4	5.9	10.0	0.5 - 3.0	Ø6.0	6.5	0.5	3.0	6800	02ST01R0401
M5	6.9	11.5	0.5 - 3.0	Ø7.0	7.5	0.5	6.0	10000	02ST01R0501
M5	6.9	13.0	2.5 - 4.5	Ø7.0	7.5	0.5	6.0	10000	02ST01R0502
M6	8.9	14.0	0.5 - 3.0	Ø9.0	9.5	0.5	10.0	15000	02ST01R0601
M6	8.9	17.5	3.5 - 6.0	Ø9.0	9.5	0.5	10.0	15000	02ST01R0602
M8	10.9	15.5	0.5 - 3.0	Ø11.0	11.5	0.5	24.0	27000	02ST01R0801
M8	10.9	19.5	3.5 - 6.0	Ø11.0	11.5	0.5	24.0	27000	02ST01R0802
M10	12.9	19.5	0.5 - 3.5	Ø13.0	13.5	0.7	48.0	37000	02ST01R1001
M10	12.9	23.0	3.0 - 6.0	Ø13.0	13.5	0.7	48.0	37000	02ST01R1002



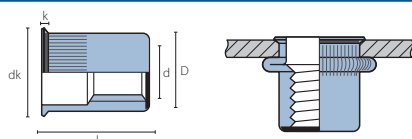
Body: Steel
Zinc plated
Reduced countersunk head
Closed end



Hülse: Stahl
Verzinkt
Kleiner Mini Senkkopf
Geschlossen



Cuerpo: Acero
Cincado
Cabeza reducida
Cerrada



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.0	0.5 - 3.0	Ø6.0	6.5	0.5	3.0	6800	02ST02R0401
M5	6.9	19.0	0.5 - 3.0	Ø7.0	7.5	0.5	6.0	10000	02ST02R0501
M6	8.9	22.5	0.5 - 3.0	Ø9.0	9.5	0.5	10.0	15000	02ST02R0601
M8	10.9	25.5	0.5 - 3.0	Ø11.0	11.5	0.5	24.0	27000	02ST02R0801
M10	12.9	35.0	0.5 - 3.5	Ø13.0	13.5	0.7	48.0	37000	02ST02R1001

Q-NUT STANDARD



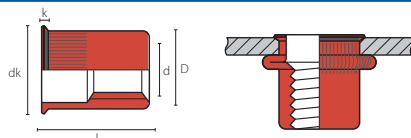
Body: Stainless Steel A2
Reduced countersunk head
Open end



Hülse: Edelstahl A2
Kleiner Mini Senkkopf
Offen



Cuerpo: Inox A2
Cabeza reducida
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	10.0	0.5 - 3.0	Ø6.0	6.5	0.5	3.0	6800	02SS01R0401
M5	6.9	11.5	0.5 - 3.0	Ø7.0	7.5	0.5	6.0	10000	02SS01R0501
M5	6.9	13.0	2.5 - 4.5	Ø7.0	7.5	0.5	6.0	10000	02SS01R0502
M6	8.9	14.0	0.5 - 3.0	Ø9.0	9.5	0.5	10.0	15000	02SS01R0601
M6	8.9	17.5	3.5 - 6.0	Ø9.0	9.5	0.5	10.0	15000	02SS01R0602
M8	10.9	15.5	0.5 - 3.0	Ø11.0	11.5	0.5	24.0	27000	02SS01R0801
M8	10.9	19.5	3.5 - 6.0	Ø11.0	11.5	0.5	24.0	27000	02SS01R0802
M10	12.9	19.5	0.5 - 3.5	Ø13.0	13.5	0.7	48.0	37000	02SS01R1001
M10	12.9	23.0	3.0 - 6.0	Ø13.0	13.5	0.7	48.0	37000	02SS01R1002



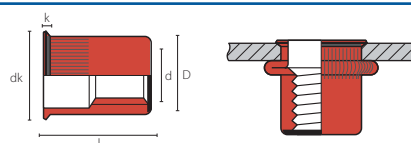
Body: Stainless Steel A2
Reduced countersunk head
Closed end



Hülse: Edelstahl A2
Kleiner Mini Senkkopf
Geschlossen



Cuerpo: Inox A2
Cabeza reducida
Cerrada



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.0	0.5 - 3.0	Ø6.0	6.5	0.5	3.0	6800	02SS02R0401
M5	6.9	19.0	0.5 - 3.0	Ø7.0	7.5	0.5	6.0	10000	02SS02R0501
M6	8.9	22.5	0.5 - 3.0	Ø9.0	9.5	0.5	10.0	15000	02SS02R0601
M8	10.9	25.5	0.5 - 3.0	Ø11.0	11.5	0.5	24.0	27000	02SS02R0801
M10	12.9	35.0	0.5 - 3.5	Ø13.0	13.5	0.7	48.0	37000	02SS02R1001



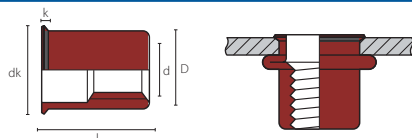
Body: Stainless Steel A4
Reduced countersunk head
Open end



Hülse: Edelstahl A4
Kleiner Mini Senkkopf
Offen



Cuerpo: Inox A4
Cabeza reducida
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	10.0	0.5 - 3.0	Ø6.0	6.8	0.5	3.0	6800	02ZZ01R0401
M5	6.9	11.5	0.5 - 3.0	Ø7.0	7.8	0.5	6.0	10000	02ZZ01R0501
M6	8.9	14.0	0.5 - 3.0	Ø9.0	9.8	0.5	10.0	15000	02ZZ01R0601
M8	10.9	15.5	0.5 - 3.0	Ø11.0	11.8	0.6	24.0	27000	02ZZ01R0801



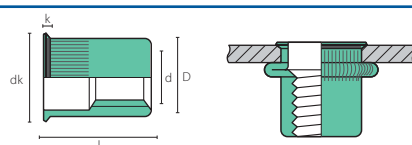
Body: Aluminium
Reduced countersunk head
Open end



Hülse: Aluminium
Kleiner Mini Senkkopf
Offen



Cuerpo: Aluminio
Cabeza reducida
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	10.0	0.5 - 3.0	Ø6.0	6.5	0.5	2.0	4000	02AL01R0401
M5	6.9	11.5	0.5 - 3.0	Ø7.0	7.5	0.5	4.0	5500	02AL01R0501
M6	8.9	14.0	0.5 - 3.0	Ø9.0	9.5	0.5	6.0	8300	02AL01R0601
M8	10.9	15.5	0.5 - 3.0	Ø11.0	11.5	0.5	15.0	13000	02AL01R0801
M10	12.9	19.5	0.5 - 3.5	Ø13.0	13.5	0.7	27.0	20000	02AL01R1001

Q-NUT SEMI- & FULL-HEXAGON



Specifications

- Open/Closed Perfect for heavy duty applications
- Closed: fully waterproof version (with seal on request)
- Grip range: from 0.5 to 4.0 mm
- Stock: M4 to M10
- Customization: M12, M14, M16 and match specification/drawing



Spezifikationen

- Offen und geschlossen für belastbare Anwendungen
- Geschlossene Ausführung ist spritzwasserdicht
Mit Unterkopfdichtung auf Anfrage
- Klemmbereiche: von 0.5 bis 4.0 mm
- Lager: M4 bis M10
- Option: M12, M14, M16 und nach Kundenspezifikation/Zeichnung



Especificaciones

- Versiones abiertas y cerradas perfectas para aplicaciones con gran resistencia a giro
- Cerradas: versión completamente a prueba de agua (con la junta requerida)
- Gama de espesores: desde 0.5 hasta 4.0 mm
- Stock: M4 a M10
- Personalizables: M12, M14, M16 y ajustado a especificaciones de plano



Product range / Lieferprogramm / Gama de productos

	St	A2	A4	A1
	✓	✓	✗	✗
	✓	✓	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PL6N

ASN12R

AS-4

For packaging and technical specifications please check the index pages (page 6)

Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)

Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



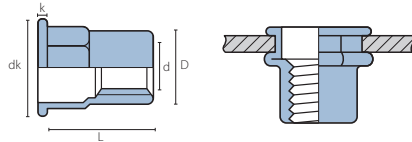
Body: **Steel**
Zinc plated
Flat head
Open end



Hülse: **Stahl**
Verzinkt
Flachkopf
Offen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Abierta



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm	[Nm]	[N]	
M4	5.9	11.5	0.5 - 3.0	6.1	8.5	1.0	3.0	6800	02ST03F0401
M5	6.9	13.5	0.5 - 3.0	7.1	9.5	1.0	6.0	10000	02ST03F0501
M6	8.9	15.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02ST03F0601
M8	10.9	17.5	0.5 - 3.0	11.1	14.5	1.5	24.0	27000	02ST03F0801
M10	12.9	22.0	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02ST03F1001



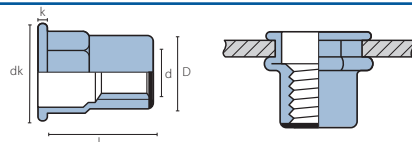
Body: **Steel**
Zinc plated
Flat head
Closed end



Hülse: **Stahl**
Verzinkt
Flachkopf
Geschlossen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Cerrada



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm	[Nm]	[N]	
M4	5.9	16.0	0.5 - 3.0	6.1	8.5	1.0	3.0	6800	02ST04F0401
M5	6.9	19.0	0.5 - 3.0	7.1	9.5	1.0	6.0	10000	02ST04F0501
M6	8.9	21.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02ST04F0601
M8	10.9	25.0	0.5 - 3.0	11.1	14.5	1.5	24.0	27000	02ST04F0801
M10	12.9	35.5	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02ST04F1001

Q-NUT SEMI HEXAGON



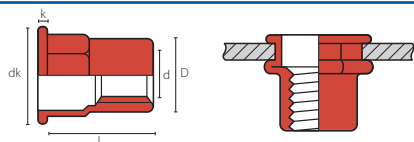
Body: Stainless Steel A2
Flat head
Open end



Hülse: Edelstahl A2
Flachkopf
Offen



Cuerpo: Inox A2
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 sw	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	11.5	0.5 - 3.0	6.1	8.5	1.0	3.0	6800	02SS03F0401
M5	6.9	13.5	0.5 - 3.0	7.1	9.5	1.0	6.0	10000	02SS03F0501
M6	8.9	15.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02SS03F0601
M8	10.9	17.5	0.5 - 3.0	11.1	14.5	1.5	24.0	27000	02SS03F0801
M10	12.9	22.0	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02SS03F1001



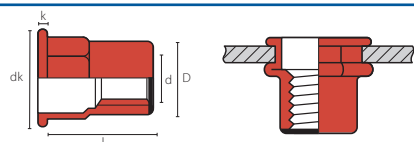
Body: Stainless Steel A2
Flat head
Closed end



Hülse: Edelstahl A2
Flachkopf
Geschlossen



Cuerpo: Inox A2
Cabeza ancha
Cerrada



d	D Ø	L	 min - max	 sw	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.0	0.5 - 3.0	6.1	8.5	1.0	3.0	6800	02SS04F0401
M5	6.9	19.0	0.5 - 3.0	7.1	9.5	1.0	6.0	10000	02SS04F0501
M6	8.9	21.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02SS04F0601
M8	10.9	25.0	0.5 - 3.0	11.1	14.5	1.5	24.0	27000	02SS04F0801
M10	12.9	35.5	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02SS04F1001



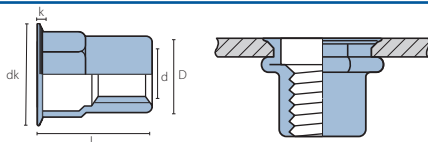
Body: Steel
Zinc plated
Reduced countersunk head
Open end



Hülse: Stahl
Verzinkt
Kleiner Mini Senkkopf
Offen



Cuerpo: Acero
Cincado
Cabeza reducida
Abierta



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	12.0	0.5 - 3.0	6.1	7.0	0.5	3.0	6800	02ST03R0401
M5	6.9	14.0	0.5 - 3.0	7.1	8.0	0.5	6.0	10000	02ST03R0501
M6	8.9	15.5	0.5 - 3.0	9.1	10.0	0.5	10.0	15000	02ST03R0601
M8	10.9	17.0	0.5 - 3.0	11.1	12.0	0.5	24.0	27000	02ST03R0801
M10	12.9	20.5	1.0 - 4.0	13.1	14.0	0.7	48.0	37000	02ST03R1001



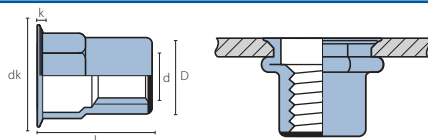
Body: Steel
Zinc plated
Reduced countersunk head
Closed end



Hülse: Stahl
Verzinkt
Kleiner Mini Senkkopf
Geschlossen



Cuerpo: Acero
Cincado
Cabeza reducida
Cerrada



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.5	0.5 - 3.0	6.1	7.0	0.5	3.0	6800	02ST04R0401
M5	6.9	19.5	0.5 - 3.0	7.1	8.0	0.5	6.0	10000	02ST04R0501
M6	8.9	22.5	0.5 - 3.0	9.1	10.0	0.5	10.0	15000	02ST04R0601
M8	10.9	25.5	0.5 - 3.0	11.1	12.0	0.5	24.0	27000	02ST04R0801
M10	12.9	35.5	1.0 - 4.0	13.1	14.0	0.7	48.0	37000	02ST04R1001

Q-NUT SEMI HEXAGON



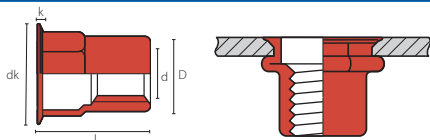
Body: Stainless Steel A2
Reduced countersunk head
Open end



Hülse: Edelstahl A2
Kleiner Mini Senkkopf
Offen



Cuerpo: Inox A2
Cabeza reducida
Abierta



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	12.0	0.5 - 3.0	6.1	7.0	0.5	3.0	6800	02SS03R0401
M5	6.9	14.0	0.5 - 3.0	7.1	8.0	0.5	6.0	10000	02SS03R0501
M6	8.9	15.5	0.5 - 3.0	9.1	10.0	0.5	10.0	15000	02SS03R0601
M8	10.9	17.0	0.5 - 3.0	11.1	12.0	0.5	24.0	27000	02SS03R0801
M10	12.9	20.5	1.0 - 4.0	13.1	14.0	0.7	48.0	37000	02SS03R1001



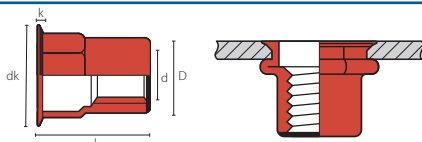
Body: Stainless Steel A2
Reduced countersunk head
Closed end



Hülse: Edelstahl A2
Kleiner Mini Senkkopf
Geschlossen



Cuerpo: Inox A2
Cabeza reducida
Cerrada



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	16.5	0.5 - 3.0	6.1	7.0	0.5	3.0	6800	02SS04R0401
M5	6.9	19.5	0.5 - 3.0	7.1	8.0	0.5	6.0	10000	02SS04R0501
M6	8.9	22.5	0.5 - 3.0	9.1	10.0	0.5	10.0	15000	02SS04R0601
M8	10.9	25.5	0.5 - 3.0	11.1	12.0	0.5	24.0	27000	02SS04R0801
M10	12.9	35.5	1.0 - 4.0	13.1	14.0	0.7	48.0	37000	02SS04R1001



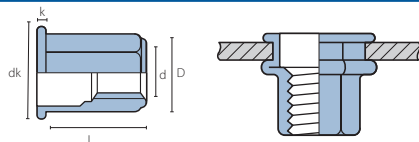
Body: Steel
Zinc plated
Flat head
Open end



Hülse: Stahl
Verzinkt
Flachkopf
Offen



Cuerpo: Acero
Cincado
Cabeza ancha
Abierta



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	11.5	0.5 - 3.0	6.1	9.0	1.0	3.0	6800	02ST05F0401
M5	6.9	13.5	0.5 - 3.0	7.1	10.0	1.0	6.0	10000	02ST05F0501
M6	8.9	15.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02ST05F0601
M8	10.9	17.5	0.5 - 3.0	11.1	15.5	1.5	24.0	27000	02ST05F0801
M10	12.9	22.0	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02ST05F1001



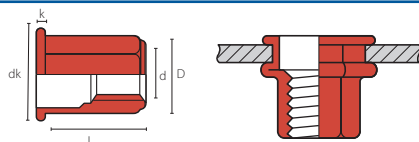
Body: Stainless Steel A2
Flat head
Open end



Hülse: Edelstahl A2
Flachkopf
Offen



Cuerpo: Inox A2
Cabeza ancha
Abierta



d	D Ø	L	min - max	sw	dk Ø	k max.	[Nm]	[N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.9	11.5	0.5 - 3.0	6.1	9.0	1.0	3.0	6800	02SS05F0401
M5	6.9	13.5	0.5 - 3.0	7.1	10.0	1.0	6.0	10000	02SS05F0501
M6	8.9	15.5	0.5 - 3.0	9.1	12.0	1.5	10.0	15000	02SS05F0601
M8	10.9	17.5	0.5 - 3.0	11.1	15.5	1.5	24.0	27000	02SS05F0801
M10	12.9	22.0	1.0 - 4.0	13.1	16.0	2.0	48.0	37000	02SS05F1001

Q-NUT FULL HEXAGON



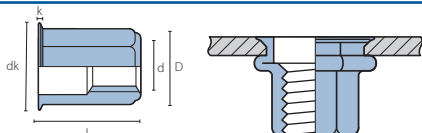
Body: Steel
Zinc plated
 Reduced countersunk head
 Open end



Hülse: Stahl
Verzinkt
 Kleiner Mini Senkkopf
 Offen



Cuerpo: Acero
Cincado
 Cabeza reducida
 Abierta



d	D Ø	L	 min - max	 sw	dk Ø	k max.	 [Nm]	 [N]	code
	mm	mm	mm	mm	mm	mm			
M4	5.9	12.0	0.5 - 3.0	6.1	7.0	0.6	3.0	6800	02ST05R0401
M5	6.9	13.5	0.5 - 3.0	7.1	8.0	0.6	6.0	10000	02ST05R0501
M6	8.9	16.0	0.5 - 3.0	9.1	10.0	0.7	10.0	15000	02ST05R0601
M8	10.9	18.0	0.5 - 3.0	11.1	12.0	0.7	24.0	27000	02ST05R0801
M10	12.9	22.0	1.0 - 4.0	13.1	14.0	0.8	48.0	37000	02ST05R1001



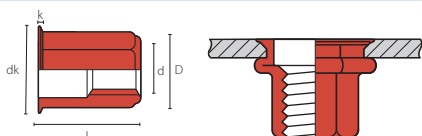
Body: Stainless Steel A2
 Reduced countersunk head
 Open end



Hülse: Edelstahl A2
 Kleiner Mini Senkkopf
 Offen



Cuerpo: Inox A2
 Cabeza reducida
 Abierta



d	D Ø	L	 min - max	 sw	dk Ø	k max.	 [Nm]	 [N]	code
	mm	mm	mm	mm	mm	mm			
M4	5.9	12.0	0.5 - 3.0	6.1	7.0	0.6	3.0	6800	02SS05R0401
M5	6.9	13.5	0.5 - 3.0	7.1	8.0	0.6	6.0	10000	02SS05R0501
M6	8.9	16.0	0.5 - 3.0	9.1	10.0	0.7	10.0	15000	02SS05R0601
M8	10.9	18.0	0.5 - 3.0	11.1	12.0	0.7	24.0	27000	02SS05R0801
M10	12.9	22.0	1.0 - 4.0	13.1	14.0	0.8	48.0	37000	02SS05R1001



Specifications

- High pull-out value and ideal for sheet metal, plastics, and brittle materials (hard/soft)
- Multi-grip blind rivet nut
- Grip range: from 0.5 to 8.5 mm
- Stock: M6 to M10
- Customization: To match specification/drawing



Spezifikationen

- Sehr hohe Auszugskräfte und Ideal für dünne/weiche Werkstoffe
- großer Klemmbereich, große Auflagefläche
- Klemmbereiche: von 0.5 bis 8.5 mm
- Lager: M6 bis M10
- Option: nach Kundenspezifikation/Zeichnung



Especificaciones

- Alto valor de extracción e ideal para láminas de metal, plásticos y materiales quebradizos (duros/blandos)
- Tuerca con amplia gama de espesores
- Gama de espesores: desde 0.5 hasta 8.5 mm
- Stock: M6 a M10
- Personalización: ajustada a especificaciones de plano



Product range / Lieferprogramm / Gama de productos

	St	A2	A4	Al
	✓	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASN12R



 For packaging and technical specifications please check the index pages (page 6)

 Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)

 Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



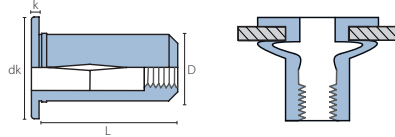
Body: **Steel**
Zinc plated
Flat head
Open end



Hülse: **Stahl**
Verzinkt
Flachkopf
Offen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm	[Nm]	[N]	
M6	8.8	25.5	0.5 - 7.10	8.9	16.1	1.6	12.5	19000	02ST07F0601
M8	11.1	29.9	0.5 - 7.10	11.2	19.0	1.6	20.0	25000	02ST07F0801
M10	13.61	36.12	5.0 - 8.50	13.8	22.2	2.2	31.0	29000	02ST07F1001



Specifications

- Quick and easy to install, ideal for plastic, cardboard and sheet material
- Big grip range
- Grip range: from 0.5 to 5.0 mm
- Stock: M4 to M8



Spezifikationen

- Ideal für Einsatz in Gipskarton, Kunststoff, Hartfaser, Sperrholz usw.
- Großer Klemmbereich
- Klemmbereiche: von 0.5 bis 5.0 mm
- Lager: M4 bis M8



Especificaciones

- Rápida y fácil de instalar, ideal para plásticos, cartones y láminas de metal
- Amplia gama de espesores
- Gama de espesores: desde 0.5 hasta 5.0 mm
- Stock: M4 a M8



Product range / Lieferprogramm / Gama de productos

	St	A2	A4	A1
	✓	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

ASN12R



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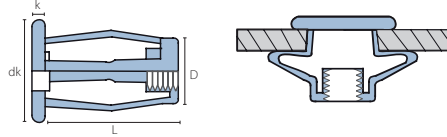
Body: **Steel**
Zinc plated
Flat head
Open end



Hülse: **Stahl**
Verzinkt
Flachkopf
Offen



Cuerpo: **Acero**
Cincado
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	8.5	16.8	0.5 - 5.0	8.0	12.2	1.6	1.3	1400	02ST09F0401
M5	10.5	18.4	0.5 - 5.0	10.0	14.0	1.6	2.2	2800	02ST09F0501
M6	12.5	18.6	0.5 - 5.0	12.0	16.0	1.6	3.4	4700	02ST09F0601
M8	15.5	20.0	0.5 - 5.0	15.0	18.0	1.8	4.2	6500	02ST09F0801



Specifications

- Rivet nut including outer thread
- Grip range: from 0.5 to 5.0 mm
- Stock: M4 to M8



Spezifikationen

- Geeignet für große und schwere Bauteile
- Klemmbereiche: von 0.5 bis 5.0 mm
- Lager: M4 bis M8



Especificaciones

- Perno remachable con roscado exterior de diferentes longitudes
- Gama de espesores: desde 0.5 hasta 5.0 mm
- Stock: M4 a M8



Product range / Lieferprogramm / Gama de productos

	St	A2	A4	Al
	✓	✗	✗	✗

Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta

PL6N



PL10N



ASN12R



 For packaging and technical specifications please check the index pages (page 6)

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 Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



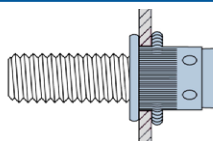
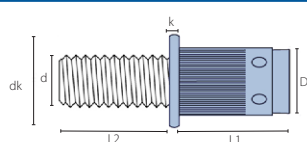
Body: **Steel**
Zinc plated
Flat head



Hülse: **Stahl**
Verzinkt
Flachkopf



Cuerpo: **Acero**
Cincado
Cabeza ancha



d	D Ø	L1xL2	 min - max	 mm	dk Ø	k max.	 [Nm]	 [N]	code
mm	mm	mm	mm	mm	mm	mm			
M4	5.4	8.0 x 10	0.5 - 2.0	5.5	8.0	0.5	4.0	5000	02ST10F0411
		8.0 x 15	0.5 - 2.0						02ST10F0412
		9.0 x 10	2.0 - 3.0						02ST10F0421
		9.0 x 15	2.0 - 3.0						02ST10F0422
M5	6.5	9.0 x 10	0.5 - 2.0	6.6	9.0	0.8	6.0	8000	02ST10F0511
		9.0 x 15	0.5 - 2.0						02ST10F0512
		10.5 x 10	2.0 - 3.5						02ST10F0521
		10.5 x 15	2.0 - 3.5						02ST10F0522
M6	7.7	10.0 x 10	0.5 - 2.5	7.8	10.0	1.0	11.0	9500	02ST10F0611
		10.0 x 15	0.5 - 2.5						02ST10F0612
		11.5 x 10	2.5 - 4.0						02ST10F0621
		11.5 x 15	2.5 - 4.0						02ST10F0622
M8	9.8	12.5 x 15	1.0 - 3.0	9.9	12.0	1.5	24.0	12000	02ST10F0811
		12.5 x 20	1.0 - 3.0						02ST10F0812
		15.5 x 15	3.0 - 5.0						02ST10F0821
		15.5 x 20	3.0 - 5.0						02ST10F0822



Specifications

- No permanent connection
- Due to its elasticity the nut serves as a vibration damper
- Suitable for plastic and metal connections and is electrically insulating
- Withstands temperatures from -30 °C to +80 °C
- Grip range: from 0.4 to 56.0 mm
- Stock: M3 to M12



Spezifikationen

- Wiederverwendbar
- Ideal als Vibrationsdämpfer
- Elektrisch nicht leitend, Öl- und korrosionsbeständig
- Temperaturbeständig -30 °C und +80 °C
- Klemmbereiche: von 0.4 bis 56.0 mm
- Lager: M3 bis M12



Especificaciones

- Conexión no permanente
- Debido a su elasticidad la tuerca sirve como bloqueo de vibración
- Adecuado para conexiones de plástico y metal como aislante eléctrico
- Soporta temperaturas desde -30° C hasta +80° C
- Gama de espesores: desde 0.4 hasta 56.0 mm
- Stock: M3 a M12

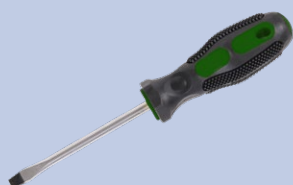


Product range / Lieferprogramm / Gama de productos

E.P.D.M. RUBBER



Tool suggestion / Werkzeug Vorschlag / Sugerencia de herramienta



For packaging and technical specifications please check the index pages (page 6)



Informationen zu Verpackung und technischen Daten finden Sie auf den Indexseiten. (Seite 7)



Para obtener información sobre el empaquetado y las características técnicas consulte las páginas del índice. (ver pag 8)



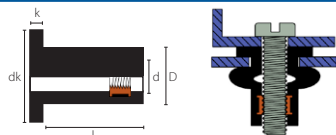
Body: E.P.D.M. rubber
Flat head
Open end



Hülse: E.P.D.M.
Flachkopf
Offen



Cuerpo: Caucho E.P.D.M.
Cabeza ancha
Abierta



d	D Ø	L	 min - max	 mm	dk Ø	k max.	 [Nm]	shore A	code
	mm	mm	mm	mm	mm	mm			
M3	7.9	12.6	0.4 - 4.0	Ø8.0	11.0	1.2	0.25 - 0.50	60	02EP11F0301
M4	7.9	12.6	0.4 - 4.0	Ø8.0	11.0	1.2	0.25 - 0.40	70	02EP11F0401
M5	9.6	14.1	0.4 - 4.9	Ø9.7	12.7	0.9	0.35 - 0.50	60	02EP11F0501
		21.5	4.0 - 10.0		14.0	0.9	0.30 - 0.90	60	02EP11F0502
		26.5	7.9 - 16.0		14.0	1.3	0.30 - 0.70	60	02EP11F0503
		39.0	20.5 - 30.0		14.0	1.3	0.60 - 1.00	60	02EP11F0504
M6	12.7	16.0	0.4 - 2.8	Ø12.8	16.0	1.3	0.60 - 1.00	60	02EP11F0601
		21.1	0.8 - 4.7		19.0	4.7	0.80 - 1.00	70	02EP11F0602
		26.7	6.4 - 11.5		16.3	2.0	0.80 - 1.00	70	02EP11F0603
M8	15.9	18.3	0.4 - 4.0	Ø16.0	21.5	3.2	1.00 - 1.50	60	02EP11F0801
	15.9	27.9	3.95 - 9.5			5.7	1.00 - 1.60	60	02EP11F0802
	18.0	50.0	15.0 - 39.0			1.6	3.00 - 4.00	60	02EP11F0803
M10	20.0	55.0	19.0 - 38.0	Ø20.1	22.5	1.3	4.50 - 5.50	60	02EP11F1001
M12	24.0	78.0	38.0 - 56.0	Ø24.1	27.0	1.3	6.00 - 7.00	60	02EP11F1201



Nietgeräte

QR50
code 0503QR50



BATTERY RIVETING TOOL

Capacity	Blind rivets: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm up to stainless steel material
Technical Information	Stroke: 21 mm Traction power: 9.000 N
Equipment	1x 5-cell Battery (18V / 1.5Ah) <i>optional 10-cell battery (18V / 3.0Ah)</i> 1x charger 1x spanner 1x plastic box Nosepieces standard rivets: Ø2.4 mm (A) 3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D)
Tool weight	1.67 kg (with battery)
Battery Charger	100V ~ 240VAC/50 ~ 60 Hz <i>Different charger plug styles available</i>

AKKU-BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm auch Edelstahl
Technische Daten	Hub: 21 mm Setzkraft: 9.000 N
Ausrüstung/Zubehör	1x 5-cell Akku (18V / 1.5Ah) <i>optional 10-cell Akku (18V / 3.0Ah)</i> 1x Ladegerät 1x Schlüssel 1x Kunststoffkoffer Mundstücke Standard Blindniete: Ø2.4 mm (A) 3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D)
Gewicht	1.67 kg (mit Akku)
Ladegerät	100V ~ 240VAC/50 ~ 60 Hz <i>Verschiedene Steckertypen lieferbar</i>

REMACHADORA DE BATERÍA

Capacidad	Remaches ciegos Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm hasta acero inoxidable
Información Técnica	Carrera: 21 mm Fuerza de tracción: 9.000 N
Equipamiento	1x batería de 5 celdas (18V / 1.5Ah) opcional: batería 10 celdas (18V/3.0 Ah) 1x cargador 1x llave 1x maletín de plástico Boquillas para remaches estándar: Ø2.4 mm (A) 3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D)
Peso de la máquina	1.67 kg (con batería)
Carga de batería	100V ~ 240VAC/50 ~ 60 Hz <i>Varios tipos de enchufe disponibles para el cargador</i>

QR64
code 0503QR64



 BATTERY RIVETING TOOL

Capacity	Blind rivets: Ø4.0 - 4.8/5.0 - 6.0/6.4 mm up to stainless steel material
Technical Information	Stroke: 25.5 mm Traction power: 18.000 N
Equipment	1x 10-cell Battery (18V / 3.0Ah) 1x charger 1x spanner 1x plastic box Nosepieces standard rivets: Ø4.0 mm (C) 4.8/5.0 mm (D) 6.0/6.4 mm (E)
Tool weight	1.90 kg (with battery)
Battery Charger	100V ~ 240VAC/50 ~ 60 Hz <i>Different charger plug styles available</i>

 AKKU-BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø4.0 - 4.8/5.0 - 6.0/6.4 mm auch Edelstahl
Technische Daten	Hub: 25.5mm Setzkraft: 18.000 N
Ausrüstung/Zubehör	1x 10-cell Akku (18V / 3.0Ah) 1x Ladegerät 1x Schlüssel 1x Kunststoffkoffer Mundstücke Standard Blindniete: Ø4.0 mm (C) 4.8/5.0 mm (D) 6.0/6.4 mm (E)
Gewicht	1.90 kg (mit Akku)
Ladegerät	100V ~ 240VAC/50 ~ 60 Hz <i>Verschiedene Steckertypen lieferbar</i>

 REMACHADORA DE BATERÍA

Capacidad	Remaches ciegos Ø4.0 - 4.8/5.0 - 6.0/6.4 mm hasta acero inoxidable
Información Técnica	Carrera: 25.5 mm Fuerza de tracción: 18.000 N
Equipamiento	1x batería de 10 celdas (18V / 3.0Ah) 1x cargador 1x llave 1x maletín de plástico Boquillas para remaches estándar: Ø4.0 mm (C) 4.8/5.0 mm (D) 6.0/6.4 mm (E)
Peso de la máquina	1.90 kg (con batería)
Carga de batería	100V ~ 240VAC/50 ~ 60 Hz <i>Varios tipos de enchufe disponibles para el cargador</i>

QN10
code 0503QN10



BATTERY BLIND RIVET NUT TOOL

Capacity	Blind rivet nuts: M3 - M4 - M5 - M6 - M8 - M10 - M12
Technical Information	Stroke: 1 - 9 mm Traction power: 24.500 N
Equipment	Quick mandrel change 1x 10-cell Battery (18V) 1x speedcharger 1x plastic box
Tool weight	2.20 kg (with battery)
Battery Charger	Speedcharger: 100V ~ 240VAC/50 ~ 60 Hz <i>Different charger plug styles available</i>

AKKU-BLINDNIETMUTTERNGERÄT

Arbeitsbereich	Blindnietmuttern: M3 - M4 - M5 - M6 - M8 - M10 - M12
Technische Daten	Hub: 1 - 9 mm Setzkraft: 24.500 N
Ausrüstung/Zubehör	Schnellwechselsystem 1x 10-cell Akku (18V) 1x Schnelladegerät 1x Kunststoffkoffer
Gewicht	2.20 kg (mit Akku)
Ladegerät	Schnelladegerät: 100V ~ 240VAC/50 ~ 60 Hz <i>Verschiedene Steckertypen lieferbar</i>

REMACHADORA DE BATERÍA

Capacidad	Tuercas remachables ciegas: M3 - M4 - M5 - M6 - M8 - M10 - M12
Información Técnica	Carrera: 1 - 9 mm Fuerza de tracción: 24.500 N
Equipamiento	Sistema de cambio rápido 1x batería de 10 celdas (18V) 1x cargador de velocidad 1x maletín de plástico
Peso de la máquina	2.20 kg (con batería)
Carga de batería	Cargador de velocidad: 100V ~ 240VAC/50 ~ 60 Hz <i>Varios tipos de enchufe disponibles para el cargador</i>



Standard and special nosepieces



Mundstücke Standard und Sonderausführungen



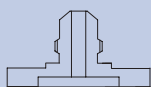
Sufrideras estándar y especiales

Please choose for every different blind rivet type the corresponding nosepiece in the below table.
All standard nosepieces have a M8 or M10 thread.

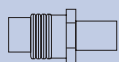
Wählen Sie für den entsprechenden Blindniettyp das erforderliche Mundstück anhand dieser Tabelle.
Unsere Mundstücke Standard haben ein M8 oder M10 Gewinde.

Por favor, elija para cada diferente tipo de remache la correspondiente sufridera según la tabla de abajo.
Todas las sufrideras estándar tienen un paso de rosca de M8 o M10.

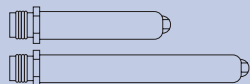
Nosepieces Id marks	Nosepieces apply for diameters of blind rivet					
Kennzeichnung Mundstücke	Zuordnung Mundstücke					
Identificador de sufridera	Las sufrideras se suministran para estos diámetros de remache					
	Standard	P-Power	M-Power	H-Power	A-Power	Q-Split Power
A	2.4 mm					
B	3.0/3.2 mm					
C	4.0 mm				3.2 mm	
D	4.8/5.0 mm	4.8 mm		4.8 mm	4.0 mm	
E	6.0 mm				4.8 mm	
F	6.4 mm	6.4 mm		6.4 mm		
G			4.8 mm			
H						5.2 mm
J			6.4 mm			
K						6.4 / 7.5 mm



Special nosepiece for processing structural blind rivets for cladding applications (Trespa)
Spezial-Mundstücke für die Verarbeitung von Blindnieten an Fassaden (Trespa)
Sufrideras especiales para remaches estructurales en aplicaciones de revestimiento (Trespa)



Extended nosepieces (Ø2.4 - 6.4 mm)
Verlängerte Mundstücke (Ø2.4 - 6.4 mm)
Sufrideras largas (Ø2.4 - 6.4 mm)



Extended nosepiece holders (custom made)
Verlängerte Mundstückaufnahmen (Sonderanfertigung)
Carcasa porta sufridera larga (diferentes longitudes disponibles bajo pedido)

PULL-LINK

AS-1

code 03AS1



🇬🇧 PNEUMATIC/HYDRAULIC RIVET TOOL

Capacity	Blind rivets Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm up to stainless steel material
Technical Information	Stroke: 17 mm Traction power: 7.300 N (6 bar) Pressure required: 5 - 7 Bar (regulated filtered air)
Equipment	Nosepieces standard rivets: <i>Ø2.4 mm optional</i> Ø3.0/3.2 mm 4.0 mm 4.8/5.0 mm

🇩🇪 PNEUMATISCH-HYDRAULISCHES BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm auch Edelstahl
Technische Daten	Hub: 17 mm Setzkraft: 7.300 N bei 6 bar Betriebsdruck: 5 - 7 Bar (Druckluft Wartungseinheit)
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: <i>Ø2.4 mm optional</i> Ø3.0/3.2 mm 4.0 mm 4.8/5.0 mm

🇪🇸 REMACHADORAS NEUMÁTICAS/HIDRÁULICAS

Capacidad	Remaches ciegos: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm hasta acero inoxidable
Información Técnica	Carrera: 17 mm Fuerza de tracción: 7.300 N (6 bar) Presión requerida: 5-7 Bar (aire filtrado regulado)
Equipamiento	Boquillas para remaches estándar: <i>opcional Ø2.4 mm</i> Ø3.0/3.2 mm 4.0 mm 4.8/5.0 mm

PULL-LINK

AS-2

code 03AS2



🇬🇧 PNEUMATIC/HYDRAULIC RIVET TOOL

Capacity	Blind rivets Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm up to stainless steel material
Technical Information	Stroke: 21 mm Traction power: 12.500 N (6 bar) Pressure required: 5 - 7 Bar (regulated filtered air)
Equipment	Nosepieces standard rivets: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

🇩🇪 PNEUMATISCH-HYDRAULISCHES BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm auch Edelstahl
Technische Daten	Hub: 21 mm Setzkraft: 12.500 N bei 6 bar Betriebsdruck: 5 - 7 Bar (Druckluft Wartungseinheit)
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

🇪🇸 REMACHADORAS NEUMÁTICAS/HIDRÁULICAS

Capacidad	Remaches ciegos Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm hasta acero inoxidable
Información Técnica	Carrera: 21 mm Fuerza de tracción: 12.500 N (6 bar) Presión requerida: 5 - 7 Bar (aire filtrado regulado)
Equipamiento	Boquillas para remaches estándar: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

PULL-LINK**AS-3**

code 03AS3

**🇬🇧 PNEUMATIC/HYDRAULIC RIVET TOOL**

Capacity	Blind rivets Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm Standard and Structural rivets up to stainless steel material
Technical Information	Stroke: 25 mm Traction power: 16.000 N (6 bar) Pressure required: 5 - 7 Bar (regulated filtered air)
Equipment	Nosepieces standard & structural rivets: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

🇩🇪 PNEUMATISCH-HYDRAULISCHES BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm Standard und Hochfeste Struktur Blindniete auch Edelstahl
Technische Daten	Hub: 25 mm Setzkraft: 16.000 N bei 6 bar Betriebsdruck: 5 - 7 bar (Druckluft Wartungseinheit)
Ausrüstung/Zubehör	Standard und Hochfeste Struktur Blindniete: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

🇪🇸 REMACHADORAS NEUMÁTICAS/HIDRÁULICAS

Capacidad	Remaches ciegos Ø4.0 - 4.8/5.0 - 6.0 - 6.4 mm Remaches estándar y estructurales hasta acero inoxidable
Información Técnica	Carrera: 25 mm Fuerza de tracción: 16.000 N (6 bar) Presión requerida: 5 - 7 bar (aire filtrado regulado)
Equipamiento	Boquillas para remaches estándar y estructurales: Ø4.0 mm 4.8/5.0 mm 6.0 mm 6.4 mm

PULL-LINK**AS-4**

code 03AS4

**🇬🇧 PNEUMATIC/HYDRAULIC RIVET NUT TOOL**

Capacity	Blind rivet nuts: M3 - M4 - M5 - M6 - M8 - M10 - M12 + Blind rivet bolts: M4 - M5 - M6 - M8 up to stainless steel material
Technical Information	Stroke: 7 mm Traction power: 18.500 N (6 bar) Pressure required: 5 - 7 Bar (regulated filtered air)
Equipment	Conversion kit (mandrel & anvil): M4 M5 M6 M8 <i>M3 M10 M12 + Blind rivet bolts: M4 - M5 - M6 - M8 optional</i>

🇩🇪 PNEUMATISCH-HYDRAULISCHES BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M3 - M4 - M5 - M6 - M8 - M10 - M12 + Blindnietmuttern: M4 - M5 - M6 - M8 auch Edelstahl
Technische Daten	Hub: 7 mm Setzkraft: 18.500 N bei 6 bar Betriebsdruck 5 - 7 Bar (Druckluft Wartungseinheit)
Ausrüstung/Zubehör	Umrüstsätze: M4 M5 M6 M8 <i>M3 M10 M12 + Blindnietmuttern: M4 - M5 - M6 - M8 optional</i>

REMACHADORAS NEUMÁTICAS/HIDRÁULICAS (PARA TUERCAS REMACHABLES)

Capacidad	Tuercas remachables ciegos: M3 - M4 - M5 - M6 - M8 - M10 - M12 + Tornillos remachables ciegos: M4 - M5 - M6 - M8 hasta acero inoxidable
Información Técnica	Carrera: 7 mm Fuerza de tracción: 18.500 N (6 bar) Presión requerida: 5 - 7 bar (aire filtrado regulado)
Equipamiento	Kit de conversión (mandril y matriz): M4 M5 M6 M8 <i>M3 M10 M12 + Boquillas para tornillos remachables ciegos: opcional: M4 - M5 - M6 - M8</i>

PULL-LINK

ASR-64

code 03ASR64



BLIND RIVET TOOL

Capacity	Blind rivets: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm up to stainless steel material
Equipment	Nosepieces standard rivet: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) 1x spanner

BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) 1x Schlüssel

REMACHADORA PARA REMACHES CIEGOS

Capacidad	Remaches ciegos: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) 1x llave

PULL-LINK

ASR-64-PT

code 03ASR64PT



BLIND RIVET TOOL

Capacity	Blind rivets: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) Structural P-Power: Ø4.8 mm (J) 6.4 mm (L) M-Power: Ø4.8 mm (K) 6.4 mm (M) 1x spanner

BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) Hochfeste Struktur Blindniete P-Power: Ø4.8 mm (J) 6.4 mm (L) M-Power: Ø4.8 mm (K) 6.4 mm (M) 1x Schlüssel

REMACHADORA PARA REMACHES CIEGOS

Capacidad	Remaches ciegos: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (E) 6.0 mm (G) 6.4 mm (H) P-Power estructural: Ø4.8 mm (J) 6.4 mm (L) M-Power: Ø4.8 mm (K) 6.4 mm (M) 1x llave

**PULL-LINK
ASN-10K**
code 03ASN10K



 BLIND RIVET NUT TOOL

Capacity	Blind rivet nuts: M4 - M5 - M6 - M8 - M10 up to stainless steel material
Equipment	Mandrelset for blind rivet nuts: M4 - M5 - M6 - M8 - M10

 BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M4 - M5 - M6 - M8 - M10 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsätze für Blindnietmuttern: M4 - M5 - M6 - M8 - M10

 REMACHADORA PARA TUERCAS REMACHABLES CIEGAS

Capacidad	Tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10 hasta acero inoxidable
Equipamiento	Juego de mandriles para tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10

**PULL-LINK
ASN-10S**
code 03ASN10S



 BLIND RIVET NUT TOOL WITH SPINDLE

Capacity	Blind rivet nuts: M4 - M5 - M6 - M8 - M10 up to stainless steel material
Equipment	Mandrelset for blind rivet nuts: M4 - M5 - M6 - M8 - M10

 BLINDNIETMUTTERGERÄT MIT SPINDEL

Arbeitsbereich	Blindnietmuttern: M4 - M5 - M6 - M8 - M10 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsätze für Blindnietmuttern: M4 - M5 - M6 - M8 - M10

 REMACHADORA PARA TUERCAS REMACHABLES CIEGAS CON VARILLA

Capacidad	Tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10 hasta acero inoxidable
Equipamiento	Juego de mandriles para tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10

PULL-LINK ASN-12-PT code 03ASN12PT



BLIND RIVET NUT TOOL

Capacity	Blind rivet nuts: M4 - M5 - M6 - M8 - M10 - M12 up to stainless steel material
Equipment	Mandrelset for blind rivet nuts: M4 - M5 - M6 - M8 - M10 - M12

BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M4 - M5 - M6 - M8 - M10 - M12 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsätze für Blindnietmuttern: M4 - M5 - M6 - M8 - M10 - M12

REMACHADORA PARA TUERCAS REMACHABLES CIEGAS

Capacidad	Tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10 - M12 hasta acero inoxidable
Equipamiento	Juego de mandriles para tuercas remachables ciegas: M4 - M5 - M6 - M8 - M10 - M12

PULL-LINK ASN-12-R code 03ASN12R



BLIND RIVET NUT TOOL

Capacity	Blind rivet nuts: M5 - M6 - M8 - M10 - M12 up to stainless steel material <i>Blind rivet bolts: Optional</i>
Equipment	Mandrelset for blind rivet nuts: M5 - M6 - M8 - M10 - M12 <i>Mandrelset for blind rivet bolts: Optional</i>

BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M5 - M6 - M8 - M10 - M12 auch Edelstahl <i>Blindnietschrauben: Optional</i>
Ausrüstung/Zubehör	Umrüstsätze für Blindnietmuttern: M5 - M6 - M8 - M10 - M12 <i>Umrüstsatz Blindnietschrauben: Optional</i>

REMACHADORA PARA TUERCAS REMACHABLES CIEGAS

Capacidad	Tuercas remachables ciegas: M5 - M6 - M8 - M10 - M12 hasta acero inoxidable <i>Pernos remachables ciegos: opcional</i>
Equipamiento	Juego de mandriles para tuercas remachables ciegas: M5 - M6 - M8 - M10 - M12 <i>Juego de mandriles para pernos remachables ciegos: opcional</i>

PULL-LINK

PLR

code 03PLR



BLIND RIVET TOOL

Capacity	Blind rivets: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) Ø2.4 mm (A) optional 1 x spare set of jaws stored in body of the tool

BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) Ø2.4 mm (A) optional 1 x Satz Spannbacken im Werkzeuggehäuse

REMACHADORA PARA REMACHES CIEGOS

Capacidad	Remaches ciegos: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) opcional Ø2.4 mm (A) 1x juego de mordazas de repuesto guardado en el cuerpo de la herramienta

KIT code 03PLRK

Assortment	Q-Multigrip Standard: 15AS132080-50pcs 15AS132120-50pcs 15AS140080-40pcs 15AS140140-30pcs 15AS148100-25pcs 15AS148140-25pcs
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PULL-LINK

PLRS

code 03PLRS



BLIND RIVET TOOL WITH OPENING SPRING

Capacity	Blind rivets: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) Ø2.4 mm (A) optional 1 x spare set of jaws stored in body of the tool

BLINDNIETGERÄT MIT ÖFFNUNGSFEDER

Arbeitsbereich	Blindniete: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) Ø2.4 mm (A) optional 1 x Satz Spannbacken im Werkzeuggehäuse

REMACHADORA PARA REMACHES CIEGOS CON RESORTE DE APERTURA

Capacidad	Remaches ciegos: Ø2.4 - 3.0/3.2 - 4.0 - 4.8/5.0 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) opcional Ø2.4 mm (A) 1x juego de mordazas de repuesto guardado en el cuerpo de la herramienta

KIT code 03PLRSK

Assortment	Q-Multigrip Standard: 15AS132080-50pcs 15AS132120-50pcs 15AS140080-40pcs 15AS140140-30pcs 15AS148100-25pcs 15AS148140-25pcs
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PULL-LINK PL-50R

code 03PL50R



BLIND RIVET TOOL

Capacity	Blind rivets Ø3.0/3.2 - 4.0 - 4.8/5.0 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 1 x spare set of jaws stored in mandrel collector

BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø3.0/3.2 - 4.0 - 4.8/5.0 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 1 x Satz Spannbacken im Werkzeuggehäuse

REMACHADORA PARA REMACHES CIEGOS

Capacidad	Remaches ciegos Ø3.0/3.2 - 4.0 - 4.8/5.0 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 1x juego de mordazas de repuesto guardado en el colector de vástagos

PULL-LINK PL-64R

code 03PL64R



BLIND RIVET TOOL

Capacity	Blind rivets Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

BLINDNIETGERÄT

Arbeitsbereich	Blindniete: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

REMACHADORA PARA REMACHES CIEGOS

Capacidad	Remaches ciegos Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

KIT

code 03PL64RK

Assortment	Q-Multigrip Standard: 15AS132080 - 50pcs 15AS132120 - 50pcs 15AS140080 - 40pcs 15AS140140 - 30pcs 15AS148100 - 25pcs 15AS148140 - 25pcs
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PULL-LINK**PL-80R***code 03PL80R***LAZY TONG BLIND RIVET TOOL**

Capacity	Blind rivets Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm up to stainless steel material
Equipment	Nosepieces standard rivets: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

SCHEIDENNIETZANGE

Arbeitsbereich	Blindniete: Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm auch Edelstahl
Ausrüstung/Zubehör	Mundstücke Standard Blindniete: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

REMACHADORA EXTENSIBLE PARA REMACHES CIEGOS

Capacidad	Remaches ciegos Ø3.0/3.2 - 4.0 - 4.8/5.0 - 6.0 - 6.4 mm hasta acero inoxidable
Equipamiento	Boquillas para remaches estándar: Ø3.0/3.2 mm (B) 4.0 mm (C) 4.8/5.0 mm (D) 6.0 mm (E) 6.4 mm (F)

PULL-LINK**PLN***code 03PLN***BLIND RIVET NUT / BOLT TOOL**

Capacity	Blind rivet nuts: M3 - M4 - M5 - M6 Blind rivet bolts: M4 - M5 - M6 up to stainless steel material
Equipment	Mandrels for blind rivet nuts: M3 - M4 - M5 - M6 Pullers for blind rivet bolts: M4 - M5 - M6

BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M3 - M4 - M5 - M6 Blindnietsschrauben: M4 - M5 - M6 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietmuttern: M3 - M4 - M5 - M6 Umrüstsatz Blindnietsschrauben: M4 - M5 - M6

REMACHADORA PARA TUERCAS Y TORNILLOS REMACHABLES CIEGOS

Capacidad	Tuercas remachables ciegas: M3 - M4 - M5 - M6 Tornillos remachables ciegos: M4 - M5 - M6 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegas: M3 - M4 - M5 - M6 Boquillas para tornillos remachables ciegos: M4 - M5 - M6

KIT *code 03PLNK*

Assortment	Q-Nut Standard: 02ST01F03010 - 30pcs 02ST01F04010 - 30pcs 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01C04010 - 30pcs 02ST01C05010 - 30pcs
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PULL-LINK PL-6N code 03PL6N



BLIND RIVET NUT / BOLT TOOL

Capacity	Blind rivet nuts: M3 - M4 - M5 - M6 Blind rivet bolts: M4 - M5 - M6 up to stainless steel material
Equipment	Mandrels for blind rivet nuts: M3 - M4 - M5 - M6 Pullers for blind rivet bolts: M4 - M5 - M6

KIT code 03PL6NK

Assortment	Q-Nut Standard: 02ST01F03010 - 30pcs 02ST01F04010 - 30pcs 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01C04010 - 30pcs 02ST01C05010 - 30pcs
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BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmuttern: M3 - M4 - M5 - M6 Blindnietschrauben: M4 - M5 - M6 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietmuttern: M3 - M4 - M5 - M6 Umrüstsatz Blindnietschrauben: M4 - M5 - M6

REMACHADORA PARA TUERCAS Y TORNILLOS REMACHABLES CIEGOS

Capacidad	Tuercas remachables ciegas: M3 - M4 - M5 - M6 Tornillos remachables ciegos: M4 - M5 - M6 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegas: M3 - M4 - M5 - M6 Boquillas para tornillos remachables ciegos: M4 - M5 - M6



PULL-LINK PL-6NS code 03PL6NS



BLIND RIVET NUT / BOLT TOOL WITH SPINDLE

Capacity	Blind rivet nuts: M3 - M4 - M5 - M6 Blind rivet bolts: M4 - M5 - M6 up to stainless steel material
Equipment	Mandrels for blind rivet nuts: M3 - M4 - M5 - M6 Pullers for blind rivet bolts: M4 - M5 - M6

KIT code 03PL6NSK

Assortment	Q-Nut Standard: 02ST01F03010 - 30pcs 02ST01F04010 - 30pcs 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01C04010 - 30pcs 02ST01C05010 - 30pcs
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BLINDNIETMUTTERGERÄT MIT SPINDEL

Arbeitsbereich	Blindnietmuttern: M3 - M4 - M5 - M6 Blindnietschrauben: M4 - M5 - M6 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietmuttern: M3 - M4 - M5 - M6 Umrüstsatz Blindnietschrauben: M4 - M5 - M6

REMACHADORA PARA TUERCAS Y TORNILLOS REMACHABLES CIEGOS CON VARILLA

Capacidad	Tuercas remachables ciegas: M3 - M4 - M5 - M6 Tornillos remachables ciegos: M4 - M5 - M6 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegas: M3 - M4 - M5 - M6 Boquillas para tornillos remachables ciegos: M4 - M5 - M6



PULL-LINK PL-10N

code 03PL10N



BLIND RIVET NUT / BOLT TOOL

Capacity	Blind rivet nuts: M5 - M6 - M8 - M10 Blind rivet bolts: M5 - M6 - M8 up to stainless steel material
Equipment	Mandrels for blind rivet nuts: M5 - M6 - M8 - M10 Pullers for blind rivet bolts: M5 - M6 - M8

KIT code 03PL10NK

Assortment	Q-Nut Standard: 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01F08010 - 15pcs 02ST01F10010 - 10pcs 02ST01C06010 - 30pcs 02ST01C08010 - 15pcs
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BLINDNIETMUTTERNGERÄT

Arbeitsbereich	Blindnietschrauben: M5 - M6 - M8 - M10 Blindnietschrauben: M5 - M6 - M8 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietschrauben: M5 - M6 - M8 - M10 Umrüstsatz Blindnietschrauben: M5 - M6 - M8

REMACHADORA PARA TUERCAS Y TORNILLOS REMACHABLES CIEGOS

Capacidad	Tuercas remachables ciegos: M5 - M6 - M8 - M10 Tornillos remachables ciegos: M5 - M6 - M8 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegos: M5 - M6 - M8 - M10 Boquillas para tornillos remachables ciegos: M5 - M6 - M8



PULL-LINK PL-10NS

code 03PL10NS



BLIND RIVET NUT / BOLT TOOL WITH SPINDLE

Capacity	Blind rivet nuts: M5 - M6 - M8 - M10 Blind rivet bolts: M5 - M6 - M8 up to stainless steel material
Equipment	Mandrels for blind rivet nuts: M5 - M6 - M8 - M10 Pullers for blind rivet bolts: M5 - M6 - M8

KIT code 03PL10NSK

Assortment	Q-Nut Standard: 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01F08010 - 15pcs 02ST01F10010 - 10pcs 02ST01C06010 - 30pcs 02ST01C08010 - 15pcs
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BLINDNIETMUTTERNGERÄT MIT SPINDEL

Arbeitsbereich	Blindnietschrauben: M5 - M6 - M8 - M10 Blindnietschrauben: M5 - M6 - M8 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietschrauben: M5 - M6 - M8 - M10 Umrüstsatz Blindnietschrauben: M5 - M6 - M8

REMACHADORA PARA TUERCAS Y TORNILLOS REMACHABLES CIEGOS CON VARILLA

Capacidad	Tuercas remachables ciegos: M5 - M6 - M8 - M10 Tornillos remachables ciegos: M5 - M6 - M8 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegos: M5 - M6 - M8 - M10 Boquillas para tornillos remachables ciegos: M5 - M6 - M8



PULL-LINK PL-12N *code 03PL12N*



🇬🇧 BLIND RIVET NUT TOOL

Capacity	Blind rivet nuts: M5 - M6 - M8 - M10 - M12 Blind rivet bolts: M5 - M6 - M8 up to stainless steel material
Equipment	Mandrelset for blind rivet nuts: M5 - M6 - M8 - M10 - M12 Pullers for blind rivet bolts: M5 - M6 - M8

🇩🇪 BLINDNIETMUTTERGERÄT

Arbeitsbereich	Blindnietmutter: M5 - M6 - M8 - M10 - M12 Blindnietschrauben: M5-M6-M8 auch Edelstahl
Ausrüstung/Zubehör	Umrüstsatz Blindnietmutter: M5 - M6 - M8 - M10 - M12 Umrüstsatz Blindnietschrauben: M5 - M6 - M8

🇪🇸 REMACHADORA PARA TUERCAS REMACHABLES CIEGAS

Capacidad	Tuercas remachables ciegas: M5 - M6 - M8 - M10 - M12 Tornillos remachables ciegos: M5 - M6 - M8 hasta acero inoxidable
Equipamiento	Mandriles para tuercas remachables ciegas: M5 - M6 - M8 - M10 - M12 Boquillas para tornillos remachables ciegos: M5 - M6 - M8

KIT *code 03PL12NK*

Assortment	Q-Nut Standard: 02ST01F05010 - 30pcs 02ST01F06010 - 30pcs 02ST01F08010 - 15pcs 02ST01F10010 - 10pcs 02ST01F12010 - 5pcs 02ST01C06010 - 30pcs
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Lined area for writing or drawing, consisting of 20 horizontal lines.



**TECHNISCHER
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