



GAESTOPAS

Sistema de Tubos de Protección

Protective Conduit Systems



Información General

General information



Flexa recomienda las aplicaciones, usos, productos o combinaciones de productos, conforme a nuestro conocimiento y nuestra experiencia. Es indispensable que el usuario compruebe el uso de los productos Flexa para aplicaciones específicas.

La responsabilidad del producto por parte de Flexa se anula en cuanto los productos Flexa se utilicen junto o en combinación con productos de otras marcas.

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Para ver nuestras condiciones de suministro rogamos consulten nuestros listados de precios actuales.

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Technical drawings, certificates, authorizations, and results by the FLEXA lab will be provided upon request.



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Fundado hace más de 65 años, Flexa cuenta hoy con unos 160 empleados. Más de 30 socios comerciales y representantes se encargan de ofrecer a nuestros clientes en los más importantes mercados del mundo un servicio competente. Como empresa familiar nos caracterizamos por una filosofía orientada a largo plazo y por un trato leal, lo que convierte Flexa en un colaborador fiable. La norma es tener relaciones de larga duración, tanto con nuestros clientes como con nuestros empleados.

Founded more than 65 years ago, FLEXA today has some 160 staff. More than 50 trading partners and agencies in all major economic regions worldwide provide a reliable network of partners for our customers. As we are a family-run enterprise, we think in long-term strategies and welcome fairness. That's why FLEXA is a reliable partner and relations of many years' standing both with our highly appreciated customers and our employees are our standard.

Independientemente del sistema de protección de cable que necesiten, en Flexa tenemos lo que buscan. Ofrecemos productos para aplicaciones entre -60° hasta $+230^{\circ}$, clasificado hasta el grado IP 69K, resistente a los disolventes, estanco a los líquidos o cubierto de silicona. Pueden encontrar los sistemas de protección Flexa en maquinaria industrial, en parques eólicos o en el sector de automoción. Protegen conducciones de datos de influencias electromagnéticas, cables de fibra óptica de cualquier daño o en el sector de medicina ayudan a conseguir una fácil desinfección. Como pueden comprobar, tratándose de sistemas de protección de cables, somos nosotros su mejor aliado, competente, global, innovador.

Applicable for temperatures between -60°C up to $+300^{\circ}\text{C}$, classified up to IP 69K, resistant to solvents, UV-resistant, liquid-tight, or with a silicone cover - no matter which protective system you require, FLEXA will certainly have a solution for your request. You will get protective tubings made of plastics or metal featuring the appropriate connection type for all customary threads. Our products you will find in the mechanical engineering sector, in wind power stations, in the railway industry - or in the automotive. They keep electromagnetic impacts away from data lines, they protect laser light guides against physical impacts, or they guarantee easy sterilizability for tools and instruments in the medical sector. So if it is about protective tubing systems, we will take well care of you - in a competent, comprehensive, and innovative way.

La calidad es un pilar inamovible en la filosofía empresarial de Flexa. Tenemos un departamento propio cuya única labor es velar por este tema. En nuestro propio laboratorio sometemos los productos regularmente a intensos ensayos. Son ensayos estándar en Flexa ensayos de tracción, de vida útil o de resistencia a disolventes. Para supervisar la calidad de la producción y garantizar el cumplimiento de las necesidades específicas de los clientes, realizamos periódicos muestreos de la producción.

Quality is one main component in FLEXA's corporate philosophy. A special "task force" critically supervises the quality of our products and thoroughly checks them in our lab: elongation tests, long-time tests, or test concerning the resistance against solvents are standard tests for our products. Spot checks make sure that our process average is on the desired level and guarantee the compliance with our customers' wishes.



La calidad no sólo se muestra en los productos. Nuestro sistema de gestión de calidad ha sido certificado según DIN EN ISO 9001 y forma parte de nuestro proceso de producción. Un plan de formación garantiza que cada empleado realice cada año un curso de formación. Estas medidas se reflejan en la motivación y el compromiso de nuestros empleados. Sus propuestas de mejora contribuyen cada año a la optimización los productos y los procesos de trabajo. Un índice del buen ambiente laboral es también la pertenencia a la empresa - más del 50% de nuestros empleados llevan trabajando en Flexa desde hace más de 10 años.

Quality is a major aspect for any process, and FLEXA's quality management has been certified DIN EN ISO 9001. A special training schedule ensures that any employee gets a training once a year. This keeps the motivation and the engagement of our employees on a high level. Quite a number of the portive proposals for improvements are submitted by our staff every year and help us to further optimise our products and processes, and more than 50% of our staff has been with us for more than 10 years now.

Frente a sus problemas, nuestras soluciones



Conseguimos una alta y constante calidad en nuestros productos debido a nuestro parque de máquinas e instalaciones. Los equipos de moldeo de plásticos, las extrusoras, los tornos automáticos CNC o las trenzadoras de alambre y perfiladoras, todos completamente automatizados, reflejan el último estándar en tecnología. Nuestro enfoque no se limita a la manipulación del plástico o del metal, hemos ampliado también nuestro conocimiento en la manipulación de la silicona.

An important pre-condition for the top quality of our products to be provided on a permanent high level is our machinery and plant pool. The fully automatic plastic moulding machines and extruders, CNC lathes, or wire winders and braiding machines are continuously modified and reflect state-of-the-art technology. We do not only focus on metal and plastic processing but have also gathered comprehensive experience concerning silicone processing.



La variedad del producto en sí no es suficiente. Algunas aplicaciones exigen adaptaciones a medida. Para ayudarles, tenemos a su disposición ingenieros que desarrollan con su know-how diseños de productos específicos para nuestros clientes, con la última tecnología CAD en 3D. Para mantener nuestra capacidad de innovación, invertimos cada año una parte importante de nuestras ventas en la adquisición y el mantenimiento de las instalaciones y en la formación de nuestro personal cualificado.

A wide range of products is not enough. Some applications require special modifications on the products. Therefore, the FLEXA engineers support our customers' ideas and implement application-oriented product designs with latest CAD systems. We want to be innovative, so we invest a great part of our turnover into the acquisition and maintenance of our plants and also into training for our highly qualified personnel.

Nuestra propia producción de moldes y un laboratorio de ensayos propio nos facilitan una máxima flexibilidad. Las ideas de nuestro departamento de desarrollo se convierten aquí en prototipos que se someten a duras pruebas. Flexa está capacitado para producir internamente de forma rápida y flexible herramientas especiales para moldes por inyección a presión o modificar los mismos. Para nuestros clientes eso significa: "Seguridad basada en la calidad".

Due to our workshop and an own laboratory for tests we can act most flexibly. Any idea by our engineers and any solution provided by our CAD systems in the R&D Department is turned into a prototype and subjected to martial tests. FLEXA is also in the position quickly and flexibly to design special tools for the production of injection-moulded devices and to modify such tools. For our customers, this means : Security based on quality.



La protección del medio ambiente es asegurar el futuro. Por esta razón la reducción de los residuos, la elección de materias primas no contaminantes y el reciclaje del material sobrante es primordial para nosotros. Métodos de producción no contaminantes y un programa de gestión de residuos hecho a medida para nosotros reducen las cargas para el medio ambiente a un nivel mínimo. Nos hemos comprometido a adaptar estas medidas voluntariamente.

Environmental protection safeguards the future. This is why the minimization of waste, the selection of eco-friendly raw materials, and recycling are a must for us. Environmentally friendly production processes and a special waste disposal system are as kind to our environment as feasible. We have been going this way voluntarily - and we are proud of it.

Tubos ROHRflex® con conectores FLEXAquick®

ROHRflex® tubings with FLEXAquick® connectors

ROHRflex® Tipos ROHRflex® types

PA 6

PA 6, Perfil
Estrecho y ancho
V0 según UL 94

PA 6, fine and
coarse profile
V0 acc. to UL 94
Seite/page 2.2

PA 6 S

PA 6 Perfil
Estrecho
HB según UL 94

PA 6
fine profile
HB acc. to UL 94
2.3

PA 6-D

PA 6, Perfil Estrecho y
ancho Pared Gruesa
V0 según UL 94

PA 6, thick walled,
fine and coarse profile
V0 acc. to UL 94
2.4

PA 6-HT

PA 6 Perfil
Estrecho
V2 según UL 94

PA 6
coarse profile
V2 acc. to UL 94
2.5

Certificaciones

Recognition



Gama de dimensiones AD Size range OD

10 – 54,5

10 – 54,5

10 – 54,5

10 – 54,5

Material

Material

Poliamida 6
Polyamide 6

Poliamida 6
Polyamide 6

Poliamida 6
Polyamide 6

Poliamida 6
Polyamide 6

Rango de Temperatura

Temperature range

-40°C ... +115°C

-50°C ... +120°C

-40°C ... +115°C

-40°C ... +200°C

Flamabilidad

Flammability class

V0 [UL 94]

HB [UL 94]

V0 [UL 94]

V2 [UL 94]

Aplicaciones

Applications

Maquinaria/Construcción

Machine/Plant Construction



Automoción

Automotive



Construcción Naval

Shipbuilding



Automatización

Automation



Instalaciones Eléctricas

Electrical Installations



- P Rosca PG
- M Rosca MÉTRICA
- C Rosca CTG
- N Rosca NPT
- U Rosca UNEF

- P PG thread
- M Metric thread
- C CTG thread
- N NPT thread
- U UNEF thread

Rácores Connectors



RQG-M/P/C/N
Página/page 3.6-7



RQKG-M/P
3.8



RQG1-M/P/C/N
3.9-10



RQGG-M/P/N
3.11



RQKZP-M
3.12-13



RQB90-M/P
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RQBK90-M/P/N
3.25



RQBK90DR-M/P/N
3.26



RQB1 90-M/P
3.27



RQB45-M/P/N
3.28



RQE
Página/page 3.35



RQA
3.35



RQT-PA
3.40



RQY-PA
3.41



RQK-PA
3.42



RQGR
3.43



RQH/RQHD
Página/page 3.44



RQHG
3.45



RQS
3.45



RQM/RQMS
3.46



RQMR
3.47

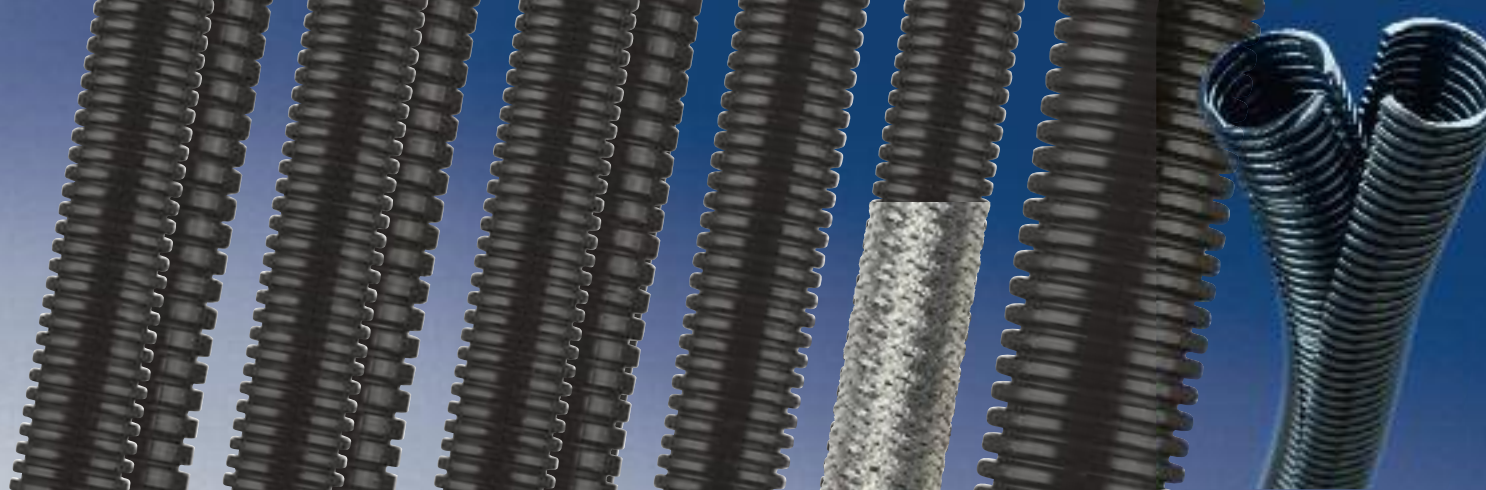


RQPRO
3.37



Accesorios Accessories





PA 12

PA 12, Perfil Estrecho y ancho V2 según UL 94

PA 12, fine and coarse profile V2 acc. UL 94 2.6

PA 12-D

PA 12, Perfil Estrecho y ancho Pared Gruesa V2 según UL 94

PA 12, thick-walled fine and coarse profile V2 acc. UL 94 2.7

PU

PU, Perfil Estrecho y ancho HB según UL 94

PU, fine and coarse profile HB acc. to UL 94 2.9

PP

PP Perfil Estrecho Retardante de la llama

PP fine profile flame retardant 2.8

PA 6-CU

PA 6, Recubierto de malla CU EMC HB según UL 94

PA 6, CU braiding EMC HB acc. to UL 94 2.10

Multi

PA 6/12 Agrupador de cables HB según UL 94

Cable buncher PA 6 / PA 12 HB acc. to UL 94 2.11

ROHRFLEX®-DUO

PP (V2) PA6 (HB)

2.12-2.16



1



10 – 54,5

10 – 54,5

10 – 54,5

10 – 54,5

10 – 54,5

LW / ID 70/95

10,0 - 79,0

Poliamida 12
Polyamide 12

Poliamida 12
Polyamide 12

Poliuretano
Polyurethane

Polipropileno
Polypropylene

Poliamida 6
Polyamide 6

Poliamida 6 / 12
Polyamide 6 / 12

Poliprop. (PP) Poliamida (PA)
Polyprop. (PP) Polyamid. (PA)

-50°C ... +100°C

-50°C ... +100°C

-60°C ... +120°C

-40°C ... +130°C

-50°C ... +120°C

-40°C ... +115°C PA 6
-45°C ... +100°C PA 12

-40°C ... +135°C
-45°C ... +120°C

V2 [UL 94]

V2 [UL 94]

HB [UL 94]

HB [UL 94]

HB [UL 94]

V2 [UL 94] HB [UL 94]



RQKZ-M/P
Página/page 3.14



RQKZE-M/P
3.15



RQGZ1-M/P/N
3.16



RQG2-M/P/N/U
3.17-18



RQK2-M/P
3.19



RQG3-M/P/U
3.20-21



RQGST-M
3.23



RQG1-S
3.22



Multi-GFP
3.38



RQBK45-M/P
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RQB1 45-M/P/N
3.30



RQW-M/P/C/N
3.31-32



RQW1-M/P/N
3.33



RQW-F
3.36



RQF2-M
3.36



RGE-M
3.34



Multi-WFP
3.39



BW-M/P
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BWK-M/P
3.49



SKM
3.48



RQC-Duo-M
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GMK-Duo-M
2.17





Tubos Metálicos de protección Protective metal conduits

SPR-[AS]

SPR-VA

FLEXAgraff®-AS
Perfil con doble
engatillado

FLEXAgraff®-VA
Perfil con doble
engatillado

double overlapped
profile

double overlapped
profile

* Otros diámetros bajo demanda
* Special dimensions deliverable

Certificaciones	Recognition	D'E BWB		D'E	
Gama de dimensiones AD	Size range OD	5 - 56*	7 - 56*	10 - 56	10 - 56
Material	Material	Acero galvanizado galvanized steel	Acero Inoxidable rust proof steel	Acero galvanizado galvanized steel	Acero Inoxidable rust proof steel
Rango de Temperatura	Temperature range	+220°C	+600°C	+220°C	+600°C
Sistema de Protección	Protective system	IP 40	IP 40	IP 40	IP 40
Aplicaciones	Applications				
Maquinaria/Construcción	Machine/Plant Construction	✓	✓	✓	✓
Automoción	Automotive	✓	✓	✓	
Construcción Naval	Shipbuilding	✓	✓	✓	✓
Automatización	Automation	✓	✓	✓	
Instalaciones Eléctricas	Electrical Installations	✓	✓	✓	
Tecnología Sensorial	Sensor Technology	✓	✓		✓
Area EX	Ex-area	✓	✓	✓	✓



Racores Connectors



US-M/P



US2-M



USDR-M



USZ-M



USZ-EX-M



LI-M/P



LIF-M/P



USW-M/P

Tubos metálicos de protección con funda trenzada

Protective metal conduits with braiding

SPR-CU-AS

Malla de cobre
estañado

tinned copper wire
braiding

SPR-HI-EDU

Malla fibra vidrio
Malla acero galvanizado

glass fibre braiding
galvanized steel wire braiding

SPR-EDU-AS

Malla acero
galvanizado

galvanized steel wire braiding

FLEXAgraff®-CU-AS

Doble engatillado
Malla cobre estañado

double overlapped profile
tinned copper wire braiding

			
10 - 56	17 - 56	10 - 56	10 - 56
Acero galvanizado galvanized steel	Acero galvanizado galvanized steel	Acero galvanizado galvanized steel	Acero galvanizado galvanized steel
+150°C	+220°C	+220°C	+150°C
IP 40	IP 52	IP 40	IP 40
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
		✓	✓

Accesorios Accessories



MSD



TED



EK



EEM



SGL



KSM-M/P

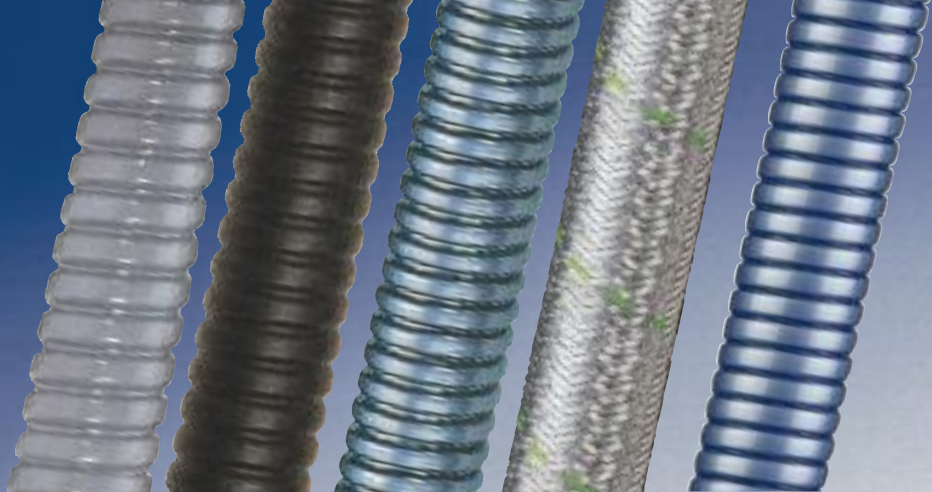


Z-M/P



WIC-M/P





Tubos metálicos de protección Protective metal conduits

SPR-PVC [-AS]	SPR-PA	SPR-PU-AS	SPR-PVC-EDU-AS	FLEXAgraff® - PU-AS
Recubr. PVC	Recubr. PA	Resistente al aceite Recubr. PU	Recubr. PVC con malla trenzada acero	Doble engatillado Resistente al aceite Recubr. PU
PVC sheathing	PA sheathing	Oil-resistant PU sheathing	PVC sheathing Galvanized steel wire braiding	Double over-lapped profile Oil-resistant PU-sheathing

Certificaciones	Recognition					
Gama de dimensiones AD	Size range OD	8 - 56	10 - 56	10 - 56	14 - 56	10 - 75
Material	Material	Acero galvanizado Galvanized steel	Acero galvanizado Galvanized steel	Acero galvanizado Galvanized steel	Acero galvanizado Galvanized steel	Acero galvanizado Galvanized steel
Rango de Temperatura	Temperature range	-25°C ... +80°C	-50°C ... +115°C	-40°C ... +80°C	-25°C ... +80°C	-40°C ... +80°C
Sistema de Protección	Protective system	IP 68	IP 68	IP 68	IP 68	IP 68
Aplicaciones	Applications					
Maquinaria/Construcción	Machine/Plant Construc.	✓	✓	✓	✓	✓
Automoción	Automotive	✓	✓	✓		✓
Construcción Naval	Shipbuilding	✓	✓	✓	✓	✓
Automatización	Automation	✓	✓	✓	✓	✓
Instalaciones Eléctricas	Electrical Installations	✓	✓	✓	✓	✓



Rácores Connectors



US-M/P



US2-M



USDR-M



USZ-M



USE-M/P



EG-M/P



LI-P/M



LIF-P/M



USD-P/M



USW-M/P



EW 45-M/P



EW 90-M/P

resistentes a líquidos liquidproof

FLEXAgraff® - PU-F

Doble engatillado
Retardante de la
llama Recubr. PU

double overlapped
profile
flame retardant
PU sheathing

FLEXAgraff® - SI-ASF

Doble engatillado
Recubr. Silicona

double overlapped
profile
silicone sheathing

AIRflex® - KUW-EDU

Recubr. PVC con
malla trenzada de
acero

PVC sheathing
galvanized steel
wire braiding

FLEXAgraff® - CU-PU-AS

Doble engatillado
malla de cobre
estañado-Recubr. PU

double overlapped profile
tinned copper
wire braiding
PU sheathing

LIQUID-TIGHT-EF

Recubr. PVC liso
Junta resistencia
extra a líquidos

smooth PVC-sheathing
extra liquidproof

LIQUID-TIGHT-UL-CSA

Recubr. PVC Lámina
de cobre toma tierra
en engatillado

copper ground lead
PVC-sheathing

			 	 	 
10 - 75	14 - 56	14 - 56	10 - 56	1/4" - 2"	3/8" - 2"
Acero galvanizado galvanized steel	Acero galvanizado galvanized steel	Alambre acero spring steel wire	Acero galvanizado galvanized steel	Acero galvanizado galvanized steel	Acero galvanizado galvanized steel
-40°C ... +80°C	-60°C ... +220°C	-25°C ... +80°C	-40°C ... +80°C	-25° C ... +85°C	-20°C ... +95°C
IP 68	IP 68	IP 68	IP 68	IP 68	IP 68
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓

Accesorios Accessories



MSD



TED



EK



EEM



SGL



KSM-M/P



Z-M/P



WIC-M/P





Tubos plásticos de protección Protective plastic conduits

AIRflex®- KUW-PVC-AS

Espiral
interna de
alambre en
acero

Inside helix of
spring steel
wire

AIRflex®- KUW-PU-AS

Espiral
interna de
alambre en
acero

Inside helix of
spring steel
wire

AIRflex®- K

Espiral integrada
de PVC rígido
Interior liso

Integrated helix
of rigid plastic
Plain inside
surface

AIRflex®- GRS

Espiral integrada
de PVC rígido
Interior y exterior
liso

Integrated helix of
rigid plastic
Plain inside and
outside surfaces

K-Schlauch

Tubo de plástico liso
interior y exterior

All-plastic
Plain inside and
outside surfaces

Certificaciones	Recognition					
Gama de dimensiones AD	Size range OD	10 - 56	10 - 56	10 - 56	14 - 56	10 - 45
Material	Material	PVC PVC	PU PU	PVC PVC	PVC PVC	PVC PVC
Rango de Temperatura	Temperature range	-25°C ... +80°C	-40°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C
Sistema de Protección	Protective system	IP 68	IP 68	IP 68	IP 68	IP 68
Aplicaciones	Applications					
Maquinaria/Construcción	Machine/Plant Construc.	✓	✓	✓	✓	✓
Automoción	Automotive	✓	✓	✓	✓	✓
Automatización	Automation	✓	✓	✓	✓	✓
Para cadenas guías	For guide chains	✓	✓			
Instalaciones eléctricas	Electrical Installations	✓	✓	✓	✓	✓
Tubos de succión	As suction conduit	✓	✓	✓	✓	✓
Tecnología de Fibra óptica	Beam wave guide Technology					
Tecnología médica	Medical Technology					



Rácores Connectors



USK-M/P



LKI-M/P



US2-M



USDR-M



US-M/P

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USZ-M



NIMS-M/P

2.21



USW-M/P

Con malla trenzada Braidings

HG-PA

Malla trenzada
Recubr. circular

Wire braiding
Round braiding

HG-PET022

Malla trenzada
Recubr. circular

Wire braiding
Round braiding

HG-CU [-CU-K]

Malla trenzada
Recubr. circular

Wire braiding
Round braiding

HG-EDU

Malla trenzada

Wire braiding

Tubos especiales de protección Special protective conduits

PS- / PSL-VA

Malla fibra de vidrio
Recubr. silicona

Fiber glass braiding
Silicone sheathing

FLEXAhightemp

Malla de silicato de
calcio Recubr. silicona

Calcium-silicate-
braiding
Silicone sheathing

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NW / ID 5 - 50	NW / ID 4 - 50	NW / ID 6 - 35	NW / ID 6 - 35	NW / ID 2,5 - 8,0	NW 10 - 60
Monofilamento PA Polyamide monofiles	Monofilamento PET PET monofiles	Alambre cobre estañado Tinned copper wires	Alambre acero galvanizado Galvanized steel wires	Acero inox. V2A rust proof steel V2A	Silicato de calcio/Silicona Calcium-silicate/Silicone
-55°C ... +125°C	-50°C ... +150°C	-75°C ... +150°C	... +300°C	-60°C ... +260°C	-50°C ... +350°C
				IP 68	IP 68
✓	✓	✓	✓		✓
✓	✓	✓	✓		✓
✓	✓	✓	✓		
✓	✓	✓	✓		✓
✓	✓	✓	✓		
				✓	
				✓	

Accesorios Accessories



MSD



TED



EK



EEM



SGL

Pág. /page 2.21



KSM-M/P



Z-M/P



WIC-M/P



Tubos para succión, gases de escape y transmisión

Combinación de elementos de conexión

Suction, waste gas, blower, exhaust and conveying hoses

Tubing/connecting elements combinations

KUW-PVC

KUW-PU-L
KUW-S / -SE

muy alta very high	alta high	media medium	baja low	sin relevancia not important
● ● ● ●	● ● ●	● ●	●	-

Tubos de plástico Plastic hoses

Aplicación	Application	A B C	A B C
Material	Hose material	PVC	PU
Gama de temperatura	Temperature range	-20 °C – +70 °C	-40 °C – +90 °C
Junta de estanq.	Sealing	–	–
Estanqueidad	Sealing range	● ● ● ●	● ● ● ●
Acabado interior	Inner smoothness	● ● ●	● ● ●
Radio de curvatura	Bending radius	● ● ● ●	● ● ● ●
ø interior	Inside ø	LW: 25-500	LW: 25-500

Área de aplicación	Application area
A Succión	Suction
B Compresión	Blower
C Transmisión	Conveying
D Escape	Exhaust
E Gases	Gas

Estanqueidad	Sealing
a Junta de caucho + 60 °C	Rubber seal + 60 °C
b Junta esp. fibra +120 °C	Special fiber seal +120 °C
c Junta rosca vidrio +400 °C	Glass thread seal +400 °C
d Junta silicona +200 °C	Silicon seal +200 °C

Elemento de conexión disponibles en acero o acero inoxidable

Connecting elements available in steel or rustproof steel.

Otros materiales bajo demanda

Further materials on request.



BVG-B
BVG-L

Conexión de bayoneta recta
Bayonet catch straight



AF

Manguito de conexión sólo para KUW
Connecting sleeve only for KUW

KPS**GPK****GPK**
con junta
with sealing**AGK/-V2A****SILO-K / -V2A**
SILO-St-V2A**1**

Tubos metálicos

Metal hoses

A B E			A B		A B E			C D E		B C				
Tejido especial special fabric			Acero cincado Galv. steel		VA	Acero cincado Galv. steel		VA	Acero cincado Galv. steel		VA	Acero cincado Galv. steel		VA
150°C – +1100°C			+300°C	+600°C		+300°C	+600°C		+300°C	+600°C		+300°C	+600°C	
–			–			a	b	c	–			a	b	c
● ● ● ●			●			● ● ●	● ●	● ●	● ●			● ● ●	● ●	● ●
● ●			● ●			● ●			● ● ●			● ● ●		
● ● ● ●			● ● ●			● ●			● ●			● ●		
LW: 38-900			LW: 20-700			LW: 20-700			LW: 20-300			LW: 40-300		

**GL**Manguito
de conexiónPlug connecting
sleeve**AB**Manguito
adaptable

Attachable sleeve

**AB-G**Manguito adaptable con
ranura de aprieteAttachable sleeve
with clamping slot**BV-L**Conexión
de bayoneta

Bayonet catch

**BV-B
BM**Collarín
de brida

Flanging collar

**FL**Conexión de
brida flexibleLoose flange
connection**F**Conexión de
brida rígidaRigid flange
connection**UWS**Conexión de
acoplamiento rápidoQuick-coupling
connection



NOVEDADES NEW



FLEXAzip (ver página 2.12-13)

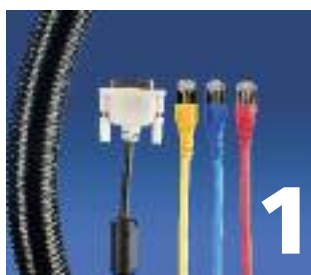
KIT de tubo de poliamida corrugado abierto (PA6), compuesto por:

- 1 rollo de 10 mts. tubo poliamida RORHflex-PA6 abierto
- 10 mts. Perfil de cierre
- 1 herramienta de montaje



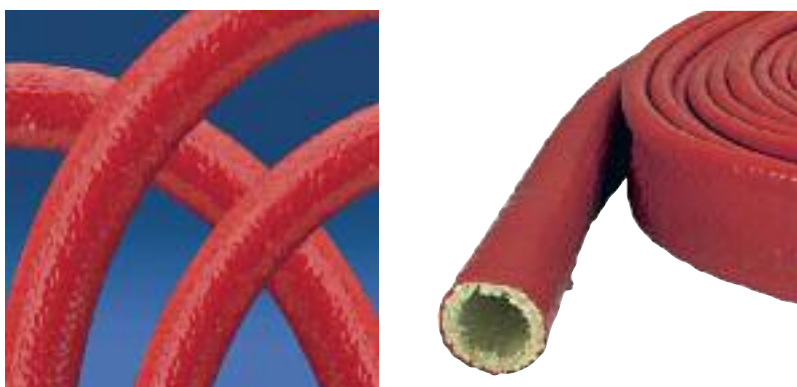
ROHRflex® - DUO (ver página 2.14-17)

Doble tubo corrugado abierto, encastrado el uno con el otro para su cierre. Fabricado en Poliamida o Polipropileno. Ideal para instalaciones complementarias y como protección de cables que han sido montados previamente con conectores.



FLEXAhightemp (ver página 2.18)

Tubo protector contra el fuego, soporta altas temperaturas. Fabricado con malla trenzada de silicato de calcio y recubierto de silicona que le permite soportar extremos rangos de temperatura (-40°C hasta +350°C ^+700°C).



1

FLEXAhightemp (ver página 2.19)

Cinta de tejido especial para altas temperaturas, cierre hermético. Fabricado con recubrimiento de aramida o silicato de calcio. Soporta temperaturas de (-50°C...+300°C (^+700°C).



NOVEDADES

NEW

Rácor "RQG-Duo" abierto (ver página 2.17) **Contratuerca "GMK-Duo" abierta**

Sistema de conexión fabricado en material poliamida (PA mod.)
Diseñados para el uso con el sistema de protección de tubos.
Fácil montaje y desmontaje.



Rácor "RQGST" de poliamida (ver página 3.23) **Contratuerca "GMK-Duo" abierta**

Para la unión de tubos corrugados con tubos rígidos (Diam. ext. métrica)
Incluye abrazadera de amarre



Rácor Hembra "RQG2-M" IP68 (ver página 3.17-18) **Rácor Hembra "RQG3-M" IP66** (ver página 3.20-21)

Rácor de poliamida con rosca "Métrica" HEMBRA, permite enlazar tubos corrugados con tubos roscados.



1

Rácor "RQW-F" acodado 90° (ver página 3.36)

Rácor de poliamida acodado 90° con base fija de gran apertura, facilita la instalación de los cables de conexión en paralelo a caja o maquinaria.



Rácor "RQGR" reductor de tubos (ver página 3.43)

Rácor de poliamida, permite enlazar dos diámetros diferentes de tubos corrugados



Protector "RQPRO" contra la abrasión (ver página 3.37)

Anillo de poliamida para la protección de los tubos corrugados a las extremas tensiones mecánicas.



Tubos corrugados de plástico

Corrugated plastic tubings

Índice combinado

Combined Index

Dimensión Comercial AD ø exterior del tubo	Rosca Metr. EN 60423	Rosca PG DIN 40430
Trade Size OD Tubing outer ø	Metric Thread EN 60423	PG Thread DIN 40430
10,0	M 10 x 1,0	PG 7
10,0	M 12 x 1,5	
13,0	M 12 x 1,5	PG 9
13,0	M 16 x 1,5	
15,8	M 16 x 1,5	PG 11
15,8	M 20 x 1,5	
18,5	M 20 x 1,5	PG 13,5
21,2	M 20 x 1,5	PG 16
21,2	M 25 x 1,5	
28,5	M 25 x 1,5	PG 21
28,5	M 32 x 1,5	
34,5	M 32 x 1,5	PG 29
34,5	M 40 x 1,5	
42,5	M 40 x 1,5	PG 36
42,5	M 50 x 1,5	
54,5	M 50 x 1,5	PG 48
54,5	M 63 x 1,5	



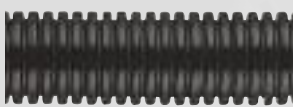
Industria ferroviaria
Railway Technology



Aplicaciones EMC
EMC Applications

Tubos corrugados de plástico

Corrugated plastic tubings

 ROHRflex® PA 6 Tubo corrugado de Poliamida PA 6 V0 conforme a UL 94 Corrugated all-plastic tubing PA 6 V0 acc. to UL 94		 ROHRflex® PP Tubo corrugado de Polipropileno PP Corrugated all-plastic tubing PP		 ROHRflex® Duo Doble tubo corrugado abierto encastrable (PP y PA) Corrugated all-plastic tubing Corrugated, two-piece, recloseable (PP and PA)	Pág. page 2.2	Pág. page 2.8	Pág. page 2.14-2.16
 ROHRflex® PA 6 S Tubo corrugado de Poliamida PA 6 HB conforme a UL 94 Corrugated all-plastic tubing PA 6 HB acc. to UL 94		 ROHRflex® PU Tubo corrugado de Poliuretano PU Altamente flexible. HB conforme a UL 94 Corrugated all-plastic tubing PU highly flexible, HB acc. to UL 94			Pág. page 2.3	Pág. page 2.9	
 ROHRflex® PA 6-D Tubo corrugado de Poliamida PA 6 Pared gruesa, construcción robusta V0 conforme a UL 94 Corrugated all-plastic tubing PA 6 thick-walled, heavy construction V0 acc. to UL 94		 ROHRflex® PA 6-CU Tubo corrugado de Poliamida PA 6 Recubierto de malla trenzada de cobre Corrugated all-plastic tubing PA 6 CU wire braiding		 FLEXA hightemp Tubo de silicato de calcio con recubrimiento de silicona para protección contra el fuego Fire protection conduit calcium-silicate-braiding Silicone sheathing	Pág. page 2.4	Pág. page 2.10	Pág. page 2.18
 ROHRflex® PA 12 Tubo corrugado de Poliamida PA 12 V2 conforme a UL 94 Corrugated all-plastic tubing PA 12 V2 acc. UL 94		 ROHRflex® MULTI Tubo corrugado "MULTI" de Poliamida Agrupador de cables. PA6 o PA12 HB conforme a UL94 Cable buncher Corrugated all-plastic tubing PA 6 or PA 12, HB acc. to UL 94			Pág. page 2.6	Pág. page 2.11	
 ROHRflex® PA 12-D Tubo corrugado de Poliamida PA 12 Pared gruesa, construcción robusta V2 conforme a UL 94 Corrugated all-plastic tubing PA 12 thick-walled, heavy construction V2 acc. UL 94		 FLEXAzip Aplicador para tubos ROHRflex® abiertos FLEXAzip Rohrflex PA slitted for additional installation			Pág. page 2.7	Pág. page 2.12	
 ROHRflex® PA 6-HT Tubo corrugado de Poliamida PA 6 V2 conforme a UL 94 Corrugated all-plastic tubing PA 6 V2 acc. UL 94		 ROHRflex® Cutter Herramienta de corte para tubos ROHRflex® For cutting of ROHRflex® tubings			Pág. page 2.5	Pág. page 2.13	



EN / IEC 61386-23



UL recognized



DIN 5510 Teil 2
(S4 / SR2 / ST2)



NFF 16-101 / 102 (I2 / F2)



BS 6853



CEN TS 45545-HL 3

ASTM E 162 / E 662

UNI CEI 11170



Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry
- Shipbuilding
- Automation
- Electrical Installations

Tubo de poliamida, corrugado interior y exteriormente

Material
Poliamida [PA]

Propiedades

- estanco al aire y a los líquidos
- resistente al aceite +80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- autoextinguible
- de combustión lenta
- en color negro resistente a los rayos UV
- **Certificación: UL-File-Nr. E86359**

Corrugated all-plastic tubing
Internally and externally corrugated

Material
plastic [PA]

Properties

- air- and liquid-tight
- oil resistant up to + 80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame retardant
- black tubings are UV-resistant
- **UL File no. E86359**

Ref.	Ref.	AD OD					
negro black	gris grey	Ø	mm	stat	dyn	kg/m	m
		perfil estrecho fine profile					
0233.202.006	0233.204.006	10,0	6,5 x 10,0	13	35	0,020	50
0233.202.010	0233.204.010	13,0	10,0 x 13,0	20	45	0,026	50
0233.202.012	0233.204.012	15,8	12,0 x 15,8	35	55	0,035	50
0233.202.014	0233.204.014	18,5	14,3 x 18,5	40	65	0,049	50
0233.202.016	0233.204.016	21,2	16,5 x 21,2	45	75	0,067	50
0233.202.023	0233.204.023	28,5	23,0 x 28,5	55	100	0,111	50
0233.202.029	0233.204.029	34,5	29,0 x 34,5	65	120	0,136	25
0233.202.036	0233.204.036	42,5	36,0 x 42,5	90	150	0,160	25
0233.202.048	0233.204.048	54,5	48,0 x 54,5	100	190	0,220	25
		perfil ancho coarse profile					
0233.232.016		21,2	15,5 x 21,2	45	75	0,062	50
0233.232.023		28,5	22,0 x 28,5	55	100	0,069	50
0233.232.029		34,5	27,5 x 34,5	65	120	0,114	25
0233.232.036		42,5	35,5 x 42,5	90	150	0,151	25
0233.232.048		54,5	47,0 x 54,5	100	190	0,203	25

Tubo de poliamida,
corrugado interior y exteriormente

Material

Poliamida [PA]

Propiedades

- estanco al aire y a los líquidos
- resistente al aceite hasta + 80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- de combustión lenta
- en color negro resistente a los rayos UV
- **Certificación: UL-File-Nr. E86359**

Corrugated all-plastic tubing
Internally and externally corrugated

Material

plastic [PA]

Properties

- air- and liquid-tight
- oil resistant up to +80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- flame retardant
- black tubings are UV-resistant
- **UL File no. E86359**



EN / IEC 61386-23



UL recognized

DIN 5510 Teil 2
(S4 / SR2 / ST2)

NFF 16-101 / 102 (I4 / F2)



Ref.	Ref.	AD OD					
negro black	gris grey	Ø	mm	stat	dyn	kg/m	m
 Perfil estrecho fine profile							
0233.209.006	0232.201.006	10,0	6,5 x 10,0	13	35	0,020	50
0233.209.010	0232.201.010	13,0	10,0 x 13,0	20	45	0,030	50
0233.209.012	0232.201.012	15,8	12,0 x 15,8	35	55	0,038	50
0233.209.014	0232.201.014	18,5	14,3 x 18,5	40	65	0,052	50
0233.209.016	0232.201.016	21,2	16,5 x 21,2	45	75	0,063	50
0233.209.023	0232.201.023	28,5	23,0 x 28,5	55	100	0,103	50
0233.209.029	0232.201.029	34,5	29,0 x 34,5	65	120	0,142	25
0233.209.036	0232.201.036	42,5	36,0 x 42,5	90	150	0,159	25
0233.209.048	0232.201.048	54,5	48,0 x 54,5	100	190	0,220	25

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Shipbuilding
- Automation
- Electrical Installations



EN / IEC 61386-23



UL recognized


DIN 5510 Teil 2
(S4 / SR2 / ST2)


CEN TS 45545-HL 3

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry
- Shipbuilding
- Automation
- Electrical Installations

Tubo de poliamida
corrugado interior y exteriormente
pared gruesa

Material
Poliamida [PA]

Propiedades

- alta resistencia a la presión transversal
- estanco al aire y a los líquidos
- resistente al aceite hasta +80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- de combustión lenta
- autoextinguible
- resistente a los rayos UV
- **Certificación: UL-File-Nr. E86359**

Corrugated all-plastic tubing
Internally and externally corrugated
thick-walled

Material
plastic [PA]

Properties

- high cross pressure strength
- air- and liquid-tight
- oil resistant up to +80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- flame retardant
- self-extinguishing
- black tubings are UV-resistant
- **UL File no. E86359**

Ref.	Ref.	AD OD					
negro black	gris grey	ø	mm	stat	dyn	kg/m	m
Perfil estrecho fine profile							
0237.202.006	0237.201.006	10,0	6,0 x 10,0	15	35	0,025	50
0237.202.010	0237.201.010	13,0	9,5 x 13,0	25	45	0,033	50
0237.202.012	0237.201.012	15,8	11,5 x 15,8	35	55	0,045	50
0237.202.014	0237.201.014	18,5	13,8 x 18,5	40	65	0,060	50
0237.202.016	0237.201.016	21,2	16,0 x 21,2	50	75	0,083	50
0237.202.023	0237.201.023	28,5	22,5 x 28,5	60	100	0,120	50
0237.202.029	0237.201.029	34,5	28,4 x 34,5	70	120	0,168	25
0237.202.036	0237.201.036	42,5	35,5 x 42,5	100	150	0,234	25
0237.202.048	0237.201.048	54,5	47,5 x 54,5	110	190	0,260	25
Perfil ancho coarse profile							
0237.232.016		21,2	16,0 x 21,2	50	75	0,092	50
0237.232.023		28,5	22,5 x 28,5	60	100	0,130	50
0237.232.029		34,5	28,4 x 34,5	70	120	0,183	25
0237.232.036		42,5	35,5 x 42,5	100	150	0,200	25
0237.232.048		54,5	47,5 x 54,5	110	190	0,300	25

Tubo de poliamida corrugado
interior y exteriormente,
resistente a altas temperaturas

Material

Poliamida [PA]

Propiedades

- estanco al aire y a los líquidos
- resistente al aceite hasta +80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- autoextinguible
- de combustión lenta
- en color negro resistente a los rayos UV

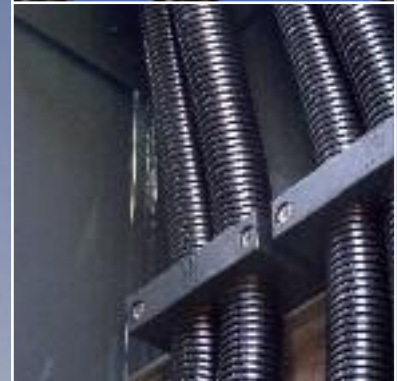
Corrugated all-plastic tubing
high temperature resistant
Internally and externally corrugated

Material

plastic [PA]

Properties

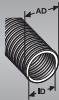
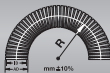
- air- and liquid-tight
- oil resistant up to + 80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame retardant
- black tubings are UV-resistant



2

EN / IEC 61386-23



Ref.	AD OD					
negro black	ø	mm	stat	dyn	kg/m	m
	Perfil estrecho fine profile					
0254.202.006	10,0	6,5 x 10,0	13	35	0,020	50
0254.202.010	13,0	10,0 x 13,0	20	45	0,026	50
0254.202.012	15,8	12,0 x 15,8	35	55	0,035	50
0254.202.014	18,5	14,3 x 18,5	40	65	0,049	50
0254.202.016	21,2	16,5 x 21,2	45	75	0,067	50
0254.202.023	28,5	23,0 x 28,5	55	100	0,111	50
0254.202.029	34,5	29,0 x 34,5	65	120	0,136	25
0254.202.036	42,5	36,0 x 42,5	90	150	0,160	25
0254.202.048	54,5	48,0 x 54,5	100	190	0,220	25

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Electrical Installations



EN / IEC 61386-23



DIN 5510 Teil 2
(S4 / SR2 / ST2)



NFF 16-101 / 102
(I3 / F2 - I4 / F1)



BS 6853



CEN TS 45545-HL 3

UNI CEI 11170



Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry especially for outside applications
- Shipbuilding
- Automation
- Electrical Installations

Tubo de poliamida,
corrugado interior y exteriormente
altamente flexible

Material
Poliamida [PA]

Propiedades

- alta resistencia a la flexión repetida
- excelentes cualidades de aislamiento
- estanco al aire y a los líquidos
- resistente al aceite y la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- autoextinguible
- de combustión lenta
- en color negro resistente a los rayos UV

Información importante:

Diferentes certificaciones
para colores Gris y Negro

Corrugated all-plastic tubing
highly flexible
Internally and externally corrugated

Material
plastic [PA]

Properties

- high alternate bending strength
- improved insulation properties
- air- and liquid-tight
- oil and benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame retardant
- black tubings are UV-resistant

Important Information:

Different certifications for the
colours grey and black

Ref.	Ref.	Ref.	AD OD				
negro black	gris grey	naranja orange	ø	mm	stat dyn	kg/m	m
			Perfil estrecho fine profile				
0236.202.006	0236.201.006	0236.209.006	10,0	6,5 x 10,0	13 35	0,020	50
0236.202.010	0236.201.010	0236.209.010	13,0	10,0 x 13,0	15 45	0,029	50
0236.202.012	0236.201.012	0236.209.012	15,8	12,0 x 15,8	22 55	0,035	50
0236.202.014	0236.201.014		18,5	14,3 x 18,5	27 65	0,041	50
0236.202.016	0236.201.016	0236.209.016	21,2	16,5 x 21,2	35 75	0,060	50
0236.202.023	0236.201.023	0236.209.023	28,5	23,0 x 28,5	45 100	0,100	50
0236.202.029	0236.201.029	0236.209.029	34,5	29,0 x 34,5	50 120	0,127	25
0236.202.036	0236.201.036	0236.209.036	42,5	36,0 x 42,5	80 150	0,158	25
0236.202.048	0236.201.048	0236.209.048	54,5	48,0 x 54,5	100 190	0,239	25
			Perfil ancho coarse profile				
0236.232.016			21,2	15,5 x 21,2	45 75	0,075	50
0236.232.023			28,5	22,0 x 28,5	55 100	0,108	50
0236.232.029			34,5	27,5 x 34,5	65 120	0,132	25
0236.232.036			42,5	35,5 x 42,5	90 150	0,145	25
0236.232.048			54,5	47,0 x 54,5	100 190	0,217	25



Tubo de poliamida,
corrugado interior y exteriormente
altamente flexible
Pared gruesa

Material

Poliamida [PA]

Propiedades

- alta resistencia a la flexión repetida
- excelentes cualidades de aislamiento
- estanco al aire y a los líquidos
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- autoextinguible
- de combustión lenta
- en color negro resistente a los rayos UV

Información importante:

Diferentes certificaciones
para colores Gris y Negro

Corrugated all-plastic tubing
Internally and externally corrugated
thick-walled

Material

plastic [PA]

Properties

- high alternate bending strength
- improved insulation properties
- air- and liquid-tight
- oil and benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame retardant
- black tubings are UV-resistant

Important Information:

Different certifications for the colours grey and black



EN / IEC 61386-23



DIN 5510 Teil 2
(S4 / SR2 / ST2)



NFF 16-101 / 102
(I3 / F2 - I4 / F1)



CEN TS 45545-HL 3

UNI CEI 11170

Ref.	AD OD					
negro black	ø	mm	stat	dyn	kg/m	m
 Perfil estrecho fine profile						
0258.202.006	10,0	6,0 x 10,0	15	35	0,023	50
0258.202.010	13,0	9,5 x 13,0	25	45	0,032	50
0258.202.012	15,8	11,5 x 15,8	35	55	0,039	50
0258.202.014	18,5	13,8 x 18,5	45	65	0,058	50
0258.202.016	21,2	16,0 x 21,2	50	85	0,073	50
 Perfil ancho coarse profile						
0258.232.016	21,2	15,0 x 21,2	50	112	0,079	50
0258.232.023	28,5	21,5 x 28,5	60	120	0,120	50
0258.232.029	34,5	27,0 x 34,5	70	140	0,168	25
0258.232.036	42,5	35,0 x 42,5	80	170	0,190	25
0258.232.048	54,5	46,5 x 54,5	100	190	0,240	25

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry
especially for outside applications
- Shipbuilding
- Automation
- Electrical Installation



EN / IEC 61386-23



Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Construcción Naval
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Shipbuilding
- Electrical Installations

Tubo de polipropileno
corrugado interior y exteriormente

Material
Polipropileno [PP]

Propiedades

- estanco al aire y a los líquidos
- resistente a las soluciones acuosas salinas, a los ácidos y a los álcalis
- altamente resistente a los disolventes
- resistente al ozono
- libre de silicona y cadmio
- resistente a los rayos UV
- retardante de la llama

Las propiedades del material son independientes de la humedad

Corrugated all-plastic tubing
Internally and externally corrugated

Material
plastic [PP]

Properties

- air- and liquid-tight
- resistant against hydrous solutions, acids and alkalis
- widely resistant to solvents
- ozon resistant
- free of silicone and cadmium
- UV-resistant
- flame retarding

Material properties do not depend on air humidity

Ref.	AD OD					
negro black	Ø	mm	stat	dyn	kg/m	m
Perfil estrecho fine profile						
0231.002.006	10,0	7,0 x 10,0	15	45	0,017	50
0231.002.010	13,0	10,0 x 13,0	20	60	0,025	50
0231.002.012	15,8	12,0 x 15,8	25	75	0,031	50
0231.002.014	18,5	14,3 x 18,5	35	105	0,040	50
0231.002.016	21,2	16,5 x 21,2	40	120	0,044	50
0231.002.023	28,5	23,0 x 28,5	45	135	0,076	50
0231.002.029	34,5	29,0 x 34,5	55	165	0,109	25
0231.002.036	42,5	35,5 x 42,5	65	195	0,157	25
0231.002.048	54,5	47,5 x 54,5	80	240	0,180	25

Tubo de poliuretano
corrugado interior y exteriormente

Material
Poliuretano [PU]

Propiedades

- estanco al aire y a los líquidos
- resistente al aceite, a la gasolina y a las grasas
- altamente resistente a los disolventes y a los ácidos
- libre de halógenos, silicona y cadmio
- de gran dureza y resistente a la abrasión
- excelente comportamiento frente a bajas temperaturas
- muy flexible
- resistencia microbiana
- resistente a los rayos UV

Corrugated all-plastic tubing
Internally and externally corrugated

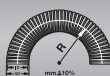
Material
plastic [PU]

Properties

- air and liquid-tight
- oil, benzine and grease resistant
- widely resistant to acids and solvents
- free of halogen, silicone, cadmium
- high tenacity and abrasion resistance
- outstanding qualities at low temperatures
- very flexible
- microbe resistant
- UV-resistant



2

Ref.	AD OD					
negro black	ø	mm	stat	dyn	kg/m	m
 Perfil estrecho fine profile						
0289.902.006	10,0	6,5 x 10,0	13	35	0,020	50
0289.902.010	13,0	8,8 x 13,0	15	40	0,035	50
0289.902.012	15,8	11,4 x 15,8	22	55	0,046	50
 Perfil ancho coarse profile						
0289.932.016	21,2	15,2 x 21,2	35	75	0,056	50
0289.932.023	28,5	22,0 x 28,5	45	100	0,140	50
0289.932.029	34,5	27,5 x 34,5	50	120	0,172	25
0289.932.036	42,5	35,5 x 42,5	80	150	0,165	25
0289.932.048	54,5	47,0 x 54,5	100	190	0,225	25

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción especialmente para automatización de motores
- Construcción naval
- Automatización
- Instalaciones Eléctricas

Application

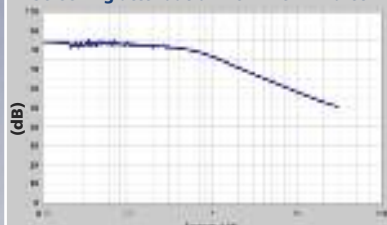
- Machine and Plant Constructions
- Automotive especially for engine installations
- Shipbuilding
- Automation
- Electrical Installations



EN / IEC 61386-23



Curva de atenuación del ROHRflex PA 6-CU
Screening attenuation ROHRflex PA 6-CU



Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción Naval
- Automatización
- Instalaciones eléctricas
- Aplicaciones EMC

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry
- Shipbuilding
- Automation
- Electrical Installations
- EMC applications

Tubo de poliamida,
corrugado interior y exteriormente.
Con recubrimiento de malla
trenzada de cobre (CU)

Material

Tubo de Poliamida [PA]
Malla trenzada de cobre [CU]

Propiedades

- estanco al aire y al agua
- resistente al aceite hasta +80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- retardante de la llama
- factor apantallamiento hasta 80dB
rango de frecuencia hasta 30 Mhz

Corrugated all-plastic tubing

Internally and externally corrugated
CU wire braiding

Material

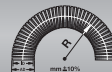
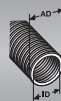
plastic [PA]
tinned CU-wire braiding

Properties

- air- and liquid-tight
- oil resistant up to + 80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- flame retardant
- screening attenuation up to 80 dB
frequency range up to 30 MHz

Ref.

AD
OD



negro
black

Ø

mm

stat dyn

kg/m

m



0461.702.006*	10,0	6,5 x 11,0	13	35	0,090	50
0461.702.010*	13,0	10,0 x 14,0	20	45	0,125	50
0461.702.012*	15,8	12,0 x 16,8	35	55	0,180	50
0461.702.016*	21,2	16,5 x 22,2	45	75	0,250	50
0461.702.023*	28,5	22,0 x 29,5	55	100	0,460	50
0461.702.029*	34,5	27,5 x 35,9	65	120	0,490	25
0461.702.036*	42,5	35,5 x 43,5	90	150	0,590	25
0461.702.048*	54,5	48,0 x 55,5	100	190	0,780	25

* Plazo bajo demanda

* Delivery time on request

HB [UL 94]

🌡 -40°C ... +115°C PA 6

🌡 -45°C ... +100°C PA 12

Tubo de poliamida, corrugado
interior y exteriormente
agrupador de cables, para grandes
diámetros

Material

ROHRflex® Multi - PA 6

ROHRflex® Multi - PA 12

Propiedades

- resistente a los pisados
- estanco
- resistente al fuego
- HB conforme a UL 94 (Multi PA 6)

ROHRflex® Multi-PA 6

- resistente al aceite hasta +80° C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes

ROHRflex® Multi-PA 12

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- especialmente indicado para aplicaciones con frecuentes flexiones inversas

Corrugated all-plastic tubing

Internally and externally corrugated
as cable buncher for large
quantity of cables

Material

ROHRflex® Multi - PA 6

ROHRflex® Multi - PA 12

Properties

- non-crush
- air- and liquid-tight
- flame retarding
- HB acc. to UL 94

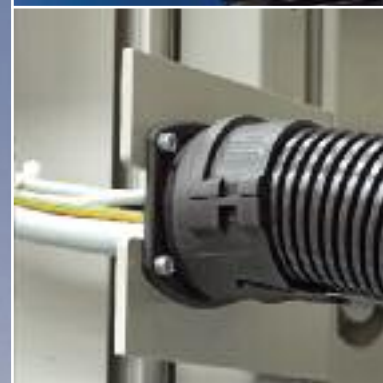
ROHRflex® Multi-PA 6

- oil resistant up to +80°C
- benzine resistant
- widely resistant to acid and solvents

ROHRflex® Multi-PA 12

- oil and benzine resistant
- widely resistant to acids and solvents
- especially suitable for applications with frequently reversed bending cycles

ROHRflex® Multi



ROHRflex® Multi-PA 6



Racores apropiados

Connectors

Página / page



Multi-GFP 3.38

IP 54



Multi-WFP 3.39

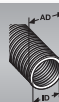
IP 54

Aplicaciones

- Construcción maquinaria y plantas industriales
- Automoción
- Industria ferroviaria
- Construcción naval
- Automatización
- Instalaciones eléctricas

Application

- Machine and Plant Constructions
- Automotive
- Railway Industry
- Shipbuilding
- Automation
- Electrical Installations

Ref.	Ref.	LW ID						
negro black	gris grey	Ø	mm	stat	dyn	kg/m	m	
ROHRflex® Multi-PA 6								
0206.202.056		56	56,3 x	67,2	130	270	0,460	10
0206.202.070	0206.201.070	70	66,5 x	79,2	170	350	0,500	10
0206.202.095	0206.201.095	95	91,0 x	106,0	225	450	0,950	10
ROHRflex® Multi-PA 12								
0207.202.056		56	56,3 x	67,2	130	270	0,400	10
0207.202.070	0207.201.070	70	66,5 x	79,2	170	350	0,460	10
0207.202.095	0207.201.095	95	91,0 x	106,0	225	450	0,850	10



Aplicaciones

- Construcción maquinaria y plantas industriales
- Construcción naval
- Automatización
- Instalaciones Eléctricas

Application

- Machine and Plant Constructions
- Shipbuilding
- Automation
- Electrical Installations

Sistema patentado

Patent right for the system

Tipo de poliamida corrugado
Rohrflex PA abierto
 Corrugado interior y exteriormente para instalaciones adicionales

Material
 Poliamida [PA]

Contenido
 10 mts tubo poliamida corrugado
 Rohrflex PA abierto
 10 mts perfil de cierre
 1 herramienta de montaje

Propiedades

- resistente al aceite hasta +80°C
- resistente a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- autoextinguible
- retardante de la llama
- resistente a los rayos UV

Corrugated all-plastic tubing
Rohrflex PA slitted
 Internally and externally corrugated for additional installation

Material
 plastic [PA]

Contents
 10 meter slitted corrugated plastic conduit Rohrflex PA
 10 meter closing profile
 1 pcs. mounting tool

Properties

- oil resistant up to + 80°C
- benzine resistant
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame retardant
- UV-resistant



Ref.	AD OD					
negro black	Ø	mm	stat	kg/m	m	
	Perfil estrecho fine profile					
0255.202.110	13,0	10,0 x 13,0	20	0,034	10	
0255.202.112	15,8	12,0 x 15,8	25	0,044	10	
0255.202.116	21,2	16,5 x 21,2	40	0,076	10	
0255.202.123	28,5	23,0 x 28,5	45	0,110	10	
0255.202.129	34,5	29,0 x 34,5	55	0,153	10	
0255.202.136	42,5	36,0 x 42,5	65	0,198	10	
0255.202.148	54,5	48,5 x 54,5	80	0,258	10	

Dimensiones especiales bajo pedido
 Special lengths on request

Herramientas de corte Mounting and parting tools

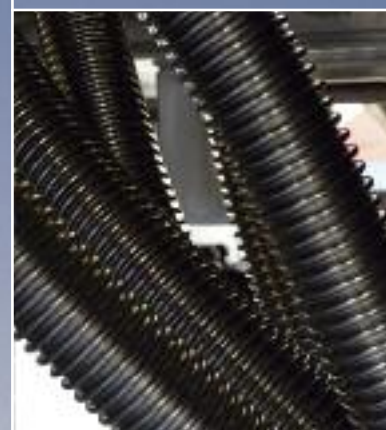
ROHRflex-Cutter
Herramienta de corte
para tubos ROHRflex®

Material
Cutter A Plástico
Cutter B Alu-inyectado
Cuchillas Acero

ROHRflex-Cutter
For cutting
of ROHRflex® tubings

Material
Cutter A plastic
Cutter B alu-die cast metal
Klingen steel

Ref.		AD OD	
		Ø	St. Pcs.
0433.000.010	A	10,0 - 34,5 mm	1
0433.000.011	B	21,2 - 54,5 mm	1
Cuchillas de repuesto Cutter spare blades			
0433.001.010		10,0 - 34,5 mm	1
0433.001.011		21,2 - 54,5 mm	1





ROHRflex[®] - Duo

Tubos corrugados flexibles “abiertos”, de dos piezas

**Corrugated plastic tubings
two-piece, recloseable, flexible**

- Doble tubo, divisible longitudinalmente, “encastrable”
- ideal para instalaciones adicionales y protección de cables
- protección para cables montados previamente con conectores
- resistencia a la flexión
- autoextinguible
- instalación fácil para grandes longitudes
- two-piece, longitudinal dividable, recloseable
- ideal for additional installation and cable protection
- cable protection for pre-assembled cables
- bending strength
- self-extinguishing
- easy installation for large cable lengths

Instrucciones de montaje Mounting Instructions

Se pueden proteger cables con clavijas sin ningún esfuerzo adicional.
Cables with plugs can be protected subsequently without any additional effort.



1

Ideal para renovación de cables con clavijas ya montadas
Ideal for retrofitting of cables and wires with mounted plugs



2

Separar el ROHRflex[®] DUO e introducir los cables en el tubo interno...
Divide the ROHRflex[®]-Duo and load the cables into the inner conduit ...



3

...Cerrar el ROHRflex[®] DUO presionando el tubo externo sobre el interno
... Just close ROHRflex[®]-Duo by pressing the outer conduit over the inner conduit



4

Hecho. Montado de forma fácil y sencilla y desmontado rápidamente
Done. Fast and easy mounted and quickly dismantled

ROHRflex[®] - DUO



V2 [UL 94]

🌡️ -40°C ... +135°C ^ +150°C

ROHRflex® - Duo PP

Tubo corrugado de plástico

Corrugado interior y exteriormente en dos piezas, divisible longitudinalmente, "encastrable"

Material

Polipropileno [PP]

Propiedades

- buena resistencia química
- libre de fósforo y cadmio
- autoextinguible
- retardante de llama
- flexible
- resistente a los rayos UV

Corrugated all-plastic tubing

Internally and externally corrugated two-piece, longitudinal dividable and recloseable

Material

plastic [PP]

Properties

- good chemical resistance
- free of phosphor and cadmium
- self-extinguishing
- flame retardant
- flexible
- UV-resistant

Ref.	AD OD				
negro black	ø	mm	mm	kg/m	m
0270.032.006	10,0	5,6 x 10,3	30	0,025	50
0270.032.008	13,0	8,5 x 13,3	40	0,035	50
0270.032.010	15,8	11,0 x 16,0	50	0,045	50
0270.032.014	21,2	15,1 x 21,3	65	0,060	50
0270.032.019	—	19,6 x 25,4	75	0,075	50
0270.032.020	28,5	21,6 x 28,1	80	0,095	50
0270.002.024	—	24,0 x 31,5	100	0,110	25
0270.032.026	34,5	26,8 x 34,4	110	0,140	25
0270.032.032	42,5	31,8 x 42,7	145	0,170	25
0270.032.043	54,5	43,9 x 53,9	150	0,220	25
0270.032.061	79,0	60,5 x 78,0	220	0,480	10
Embalaje minorista Small sales pack					
0270.032.106	10,0	5,6 x 10,3	30	0,025	10
0270.032.108	13,0	8,5 x 13,3	40	0,035	10
0270.032.110	15,8	11,0 x 16,0	50	0,045	10
0270.032.114	21,2	15,1 x 21,3	65	0,060	10
0270.032.120	28,5	21,6 x 28,1	80	0,095	10
0270.032.126	34,5	26,8 x 34,4	110	0,140	5
0270.032.132	42,5	31,8 x 42,7	145	0,170	5
0270.032.143	54,5	43,9 x 53,9	150	0,220	5
0270.032.161	79,0	60,5 x 78,0	220	0,480	5



Interesado en más productos?
Interested in further products?



Aplicaciones

- Para reparaciones y renovaciones
- Construcción de armarios eléctricos
- Tubos para instalaciones eléctricas aislantes. Adecuados para el uso según norma DIN EN 60204 en el ámbito de la construcción de máquinas y plantas industriales
- Instalaciones Eléctricas

Application

- for retrofit and repair
- switch cabinet construction
- insulated electrical installations for application rules machine and plant constructions acc. to DIN EN 60204
- Electrical Installations



Aplicaciones

- Para reparaciones y renovaciones
- Construcción de armarios eléctricos
- Tubos para instalaciones eléctricas aislantes. Adecuados para el uso según norma DIN EN 60204 en el ámbito de la construcción de máquinas y plantas industriales
- Instalaciones Eléctricas

Application

- for retrofit and repair
- switch cabinet construction
- insulated electrical installations for application rules machine and plant constructions acc. to DIN EN 60204
- Electrical Installations

Tubo corrugado de plástico

Corrugado interior y exteriormente en dos piezas, divisible longitudinalmente, "encastrable"

Material

Poliamida [PA6]

Propiedades

- buena resistencia química
- libre de halógenos, fósforo y cadmio
- autoextinguible
- retardante de llama
- flexible
- resistencia a flexión
- resistente a los rayos UV

Corrugated all-plastic tubing

Internally and externally corrugated two-piece, longitudinal dividable and recloseable

Material

plastic [PA 6]

Properties

- good chemical resistance
- free of halogen, phosphor and cadmium
- self-extinguishing
- flame retardant
- flexible
- bending strength
- UV-resistant

Ref.	AD OD				
negro black	Ø	mm	mm	kg/m	m
0269.202.006	10,0	5,6 x 10,3	30	0,035	50
0269.202.008	13,0	8,5 x 13,3	35	0,045	50
0269.202.010	15,8	11,0 x 16,0	40	0,060	50
0269.202.014	21,2	15,1 x 21,3	55	0,080	50
0269.202.019	—	19,1 x 25,6	75	0,100	50
0269.202.020	28,5	21,9 x 28,5	95	0,120	50
0269.202.024	—	24,0 x 31,7	110	0,150	25
0269.202.026	34,5	27,2 x 35,0	120	0,170	25
0269.202.032	42,5	32,0 x 42,5	135	0,210	25
0269.202.043	54,5	43,9 x 53,9	140	0,230	25
0269.202.061	79,0	62,2 x 79,0	200	0,590	10
Embalaje minorista Small sales pack					
0269.202.106	10,0	5,6 x 10,3	30	0,035	10
0269.202.108	13,0	8,5 x 13,3	35	0,045	10
0269.202.110	15,8	11,0 x 16,0	40	0,060	10
0269.202.114	21,2	15,1 x 21,3	55	0,080	10
0269.202.120	28,5	21,9 x 28,5	95	0,120	10
0269.202.126	34,5	27,2 x 35,0	120	0,170	5
0269.202.132	42,5	32,0 x 42,5	135	0,210	5
0269.202.143	54,5	43,9 x 53,9	140	0,230	5
0269.202.161	79,0	62,2 x 79,0	200	0,590	5

Racor recto de poliamida, "abierto"
rosca externa**Material:** Poliamida [PA6]

- para proteger cables previamente montados con conectores
- para instalaciones ya montadas o reparaciones
- sencillo montaje/desmontaje
- IP50 según EN/IEC 60529

Plastic connector straight, separable,**Material:** plastic [PA 6 mod.]

- to protect pre-assembled cables
- for retrospective installation or repairs
- simple assembly/disassembly
- IP 50 acc. to EN/IEC 60529

Ref.	AD	OD								
negro black	ø		ø I mm	ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.	
RQG-Duo-M		Metr. EN 60423								
5128.015.216	15,8	M 16 x 1,5	11,0	30,0	15,0	30,0	26	0,750	10	
5128.015.220	15,8	M 20 x 1,5	15,0	30,0	15,0	30,0	26	0,780	10	
5128.021.220	21,2	M 20 x 1,5	15,0	32,0	15,0	30,0	28	0,850	10	
5128.021.225	21,2	M 25 x 1,5	21,0	32,0	15,0	30,0	28	0,800	10	
5128.028.225	28,5	M 25 x 1,5	21,0	40,0	15,0	35,0	36	1,300	10	
5128.028.232	28,5	M 32 x 1,5	27,0	40,0	15,0	35,5	36	1,200	5	
5128.034.232	34,5	M 32 x 1,5	27,0	50,0	15,0	35,0	46	2,400	5	
5128.034.240	34,5	M 40 x 1,5	35,0	50,0	15,0	35,5	46	2,300	5	
5128.042.240	42,5	M 40 x 1,5	35,0	62,0	15,0	35,0	55	2,800	5	
5128.042.250	42,5	M 50 x 1,5	44,0	62,0	20,0	40,0	55	2,700	5	
5128.054.250	54,5	M 50 x 1,5	44,0	72,0	20,0	45,0	65	3,300	5	
5128.054.263	54,5	M 63 x 1,5	57,0	72,0	20,0	45,0	65	3,500	5	

Contratuera para RQG-Duo-M,
"abierta"**Material**

Poliamida [PA6 mod]

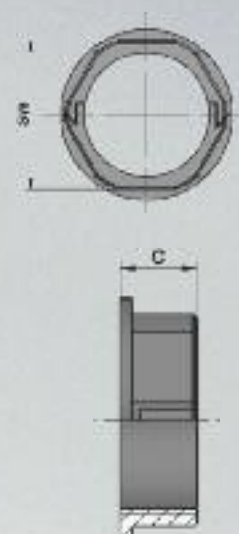
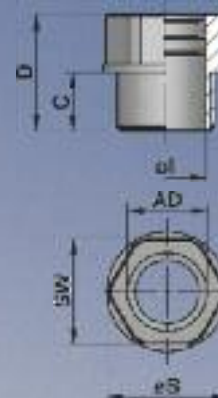
- diseñada para uso en el sistema de protección de cable, abierta en dos mitades y con bloqueo en su cierre
- sencillo montaje/desmontaje

Counternut
for RQG-Duo-M, separable**Material**

plastic [PA 6 mod.]

- specifically for use in dividable cable protection systems
- simple assembly/disassembly

Ref.						
negro black		C mm	SW mm	kg/100	St. Pcs.	
GMK-Duo-M		Metr. EN 60423				
0318.000.016	M 16 x 1,5	10	26	0,160	10	
0318.000.020	M 20 x 1,5	10	26	0,180	10	
0318.000.025	M 25 x 1,5	10	28	0,200	10	
0318.000.032	M 32 x 1,5	10	36	0,400	5	
0318.000.040	M 40 x 1,5	12	46	1,900	5	
0318.000.050	M 50 x 1,5	12	56	1,200	5	
0318.000.063	M 63 x 1,5	12	71	2,850	5	





Rácores apropiados
Suitable connectors

Página / page

	US-M	2. 21
	US-P	2. 21
	NIMS-M/P	2. 21
	SGL	2. 21

Aplicaciones

- Industria del acero
- Fundiciones
- Compañías químicas
- Compañías petrolíferas
- Construcción naval
- Transporte público
- Industria minera
- Fabricantes de vidrio

Application

- Steel industry
- Foundries
- Chemical companies
- Oil companies
- Shipbuilders
- Public transportation
- Mining industry
- Glass factories

Tubo protector contra el fuego con malla de silicato de calcio recubierto de silicona

Material

Tubo

Silicato de calcio

Recubrimiento

Silicona [SI]

Aplicaciones

- **Cobertura para cables**
Mangueras hidráulicas y mangueras de refrigeración de circuitos
- **Para protección contra el fuego** - protección contra altas temperaturas, llamas y salpicaduras de metal
- **Para protección de accidentes** - sin quema de rácores, escapes o tubos metálicos calientes

Propiedades

- resistente al clima
- estanco al agua
- resistente al agua salina, ácidos y aceites
- resistente a la abrasión
- muy flexible
- no inflamable
- autoextinguible
- **DIN 5510 [ST2/SR2/S4]**

**Fire protection conduit
Calcium-silicate-braiding with
Silicone sheathing**

Material

Conduit

calcium-silicate-braiding

Sheathing

silicone [SI]

Application

- **Cover for cables and main leads**
hydraulic hoses and cooling-circuit-hoses
- **For fire protection** - protection against high temperatures, open flames and metal-splash
- **For accident protection** - no burning on fittings, exhausts or hot metalhoses

Properties

- weatherproof
- watertight
- widely resistant to seawater, acids and oils
- abrasive resistant
- very flexible
- non-flammable
- even no afterglow
- self-extinguishing
- **DIN 5510 [ST2/SR2/S4]**

Ref.	NW			
rojo red	Ø	mm	kg/m	m
				en rollos in rings
2061.809.010	10	10,0 x 17,0	0,119	15
2061.809.015	15	15,0 x 22,0	0,209	15
2061.809.020	20	20,0 x 27,0	0,213	15
2061.809.022	22	22,0 x 29,0	0,239	15
2061.809.025	25	25,0 x 32,0	0,291	15
2061.809.030	30	30,0 x 37,0	0,342	15
2061.809.035	35	35,0 x 42,0	0,390	15
2061.809.040	40	40,0 x 47,0	0,380	15
2061.809.050	50	50,0 x 57,0	0,733	15
2061.809.060	60	60,0 x 67,0	0,750	15

 -50°C ... +300°C ^ +700°C Cinta / Tape
 -50°C ... +300°C Cinta envolvente / Wrapping Tape

FLEXAhightemp

Cinta FLEXA hightemp
Cinta de tejido para cierre hermético

Material
Recubrimiento de aramida o silicato de calcio bloqueador de fuego

FLEXAhightemp Tape
Tape with tightly woven selvages

Material
fireblocker coating
aramid or calcium-silicate

Ref.	Ancho width	Espesor thickness		
rojo red			kg/m	m
2061.899.025	25	2 - 3 mm	0,040	10
2061.899.050	50	2 - 3 mm	0,084	10
2061.899.075	75	2 - 3 mm	0,122	10
2061.899.100	100	2 - 3 mm	0,165	10

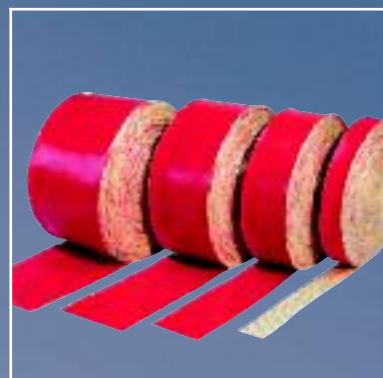
Cinta FLEXAhightemp de fijación
para fijación de tubos y protección al fuego

Material
Silicato de calcio con recubrimiento de silicona en color rojo

FLEXAhightemp Wrapping Tape
for fastening of fire protection conduits

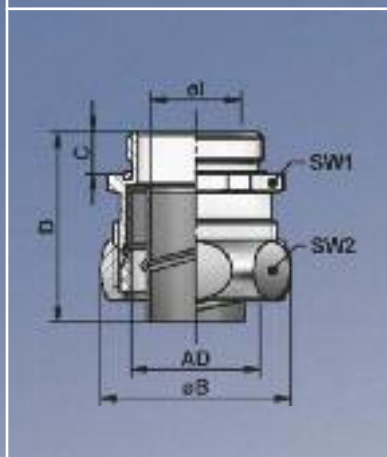
Material
calcium-silicate with red silicone coating

Ref.	Ancho width		
rojo red		kg/m	m
2061.898.025	25	0,020	9



2





Racor metálico recto, con roscas interna y externa
incluye arandela, casquillo y junta tórica

Estructura

Racor con llave hexagonal, roscas "PG" de conexión "Métrica" según EN 60423 o PG DIN 40430, cabeza hexagonal, anillo de latón y junta tórica

Material

Cuerpo del racor	Latón niquelado
Cabeza del racor	Latón niquelado
Arandela	Latón
Casquillo	Latón
Junta tórica	NBR

Propiedades

- alta resistencia al agua y al polvo
- cierre tipo fricción entre tubo y racor

Importante

Se alcanza alta resistencia de tracción cuando el racor se rosca mediante herramienta.

Metal connectors, safety-type straight, outer or inner thread
incl. ferrule, brass thrust collar and O-ring

Structure

Connector body with hexagonal wrench surface, rigid steel conduit connecting thread metric acc. to EN 60423 or PG acc. to DIN 40430, hexagon pressure nut, brass thrust collar, O-ring, ferrule made of metal

Material

Connector body	nickel-plated brass
Pressure nut	nickel-plated brass
Thrust collar	brass
Ferrule	brass
O-ring	NBR

Properties

- highly watertight and dustproof
- friction-type locking of conduit and screw connector

Important

A high tensile strength is reached, when the connector is screwed with a tool.

NW	Ref.											
US-M												
Ø	Metr.	[IP 40]		Ø I	Ø B	C	D	SW1	SW2	kg/100	St.	
	EN 60423		mm	mm	mm	mm	mm	mm	mm		Pcs.	
10	M 16	5011.828.016	10 x 17	11,5	27,0	10,0	33,0	23	25	4,14	10	
15	M 20	5011.828.020	15 x 22	16,0	31,0	10,0	33,0	27	29	4,50	10	
20	M 25	5011.828.025	20 x 27	21,0	39,0	11,0	41,0	34	36	10,00	10	
30	M 32	5011.828.032	30 x 37	27,5	48,0	13,0	43,0	43	45	11,20	2	
40	M 40	5011.828.040	40 x 47	35,0	57,0	13,0	43,0	52	54	17,50	2	
50	M 50	5011.828.050	50 x 57	45,0	70,0	14,0	49,0	63	66	23,60	2	
50	M 63	5011.828.163	50 x 57	45,0	75,0	14,0	49,0	70	70	25,00	2	
US-P												
	PG	[IP 40]		Ø I	Ø B	C	D	SW1	SW2	kg/100	St.	
	DIN 40430		mm	mm	mm	mm	mm	mm	mm		Pcs.	
10	11	5011.428.011	10 x 17	11,5	27,0	7,0	30,0	23	25	4,00	10	
15	16	5011.428.016	20 x 27	15,5	31,0	7,0	30,0	27	29	5,40	10	
20	21	5011.428.021	30 x 37	21,5	39,0	10,0	40,0	34	36	7,60	10	
30	29	5011.428.029	40 x 47	27,5	48,0	10,0	40,0	43	45	11,20	2	
40	36	5011.428.036	50 x 57	36,5	57,0	10,0	40,0	52	54	18,20	2	
50	48	5011.428.048	50 x 57	47,5	70,0	10,0	45,0	63	66	23,60	2	

IP 64

- 20° C ... + 120° C NIMS / - 40° C ... + 120° C SGL

FLEXAhightemp NIMS

Racor metálico

cilíndrico con hexágono de apriete y rosca exterior, incluye junta tórica

Metal conduit olive

hexagon wrench surface outer thread, incl. O-Ring

Material Latón niquelado

Material nickel-plated brass

NW	Ref.									
NIMS-M										
Ø	Metr.		Ø I	Ø C	Ø D	E	F	SW	kg/100	St. Pcs.
	EN 60423		mm	mm	mm	mm	mm	mm		
10	M 16 x 1,5	5010.023.016	10,0	12,0	19,0	6,5	29,0	17	2,30	10
15	M 25 x 1,5	5010.023.025	14,0	16,0	30,1	6,5	29,0	27	4,40	10
20	M 32 x 1,5	5010.023.032	19,0	21,0	39,1	6,5	32,1	35	8,60	5
30	M 40 x 1,5	5010.023.040	27,0	29,0	51,0	7,5	39,0	45	10,80	5
40	M 50 x 1,5	5010.023.050	35,0	37,1	59,5	10,0	47,0	54	16,00	5
50	M 63 x 1,5	5010.023.063	46,0	54,0	70,0	10,0	50,1	65	33,00	5
NIMS-P [IP 64]										
	PG		Ø I	Ø C	Ø D	E	F	SW	kg/100	St. Pcs.
	DIN 40430		mm	mm	mm	mm	mm	mm		
10	11	5010.022.011	10,0	12,0	24,0	6,0	29,0	22	3,20	10
15	16	5010.022.016	14,0	16,0	26,0	6,0	29,0	24	3,50	10
20	21	5010.022.021	19,0	21,0	35,5	6,0	29,0	32	5,00	5
30	29	5010.022.029	27,0	29,0	44,0	8,0	39,0	41	10,00	5
40	36	5010.022.036	34,0	36,0	54,0	9,0	41,0	50	12,84	5
50	48	5010.022.048	46,0	48,0	69,0	10,0	37,0	64	13,20	5

Abrazadera

apropiada para los racores NIMS

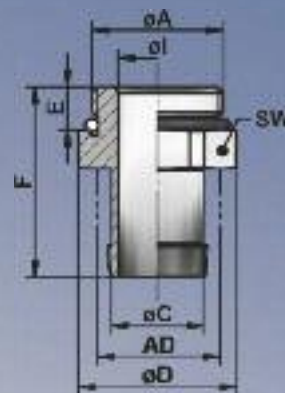
Conduit clamp

suitable for conduit olive NIMS

Material acero galvanizado

Material galvanized steel

NW	Ref.	Rango de apriete Fixing range	Ancho width		
SGL					
Ø		mm	mm	kg/100	St. Pcs.
10	0340.000.020	12-20	9,0	1,40	10
15	0340.000.025	16-25	9,0	1,50	10
20 - 30	0340.000.040	25-40	9,0	1,70	10
40 - 50	0340.000.060	40-60	9,0	2,60	10



RQG-M RQG-P RQG-C RQG-N Racores de poliamida Plastic connector		3.6/3.7 Pág. page	RQ GK2-M RQ GK2-P Racores de poliamida con rosca en latón Plastic connector with thread made of brass		3.19 Pág. page	RQBK90DR-M RQBK90DR-P RQBK90DR-N Racores de poliamida arqueado 90° y rosca en latón giratorio Plastic connector, bend 90° with turnable thread made of brass		3.26 Pág. page
RQ GK-M RQ GK-P Racores de poliamida con rosca en latón Plastic connector with thread made of brass		3.8	RQG3-M RQG3-P RQG3-U Racores de poliamida Plastic connector		3.20/21	RQB1 90-M RQB1 90-P Racores de poliamida arqueado 90° Plastic connector bend 90°		3.27
RQG1-M RQG1-P RQG1-C RQG1-N Racores de poliamida Plastic connector		3.9 / 3.10	RQG1-S Racores de poliamida Plastic connector		3.22	RQB45-M RQB45-P RQB45-N Racores de poliamida arqueado 45° Plastic connector bend 45°		3.28
RQGZ-M RQGZ-P RQGZ-N Racores de poliamida Plastic connector		3.11	RQGST-M Racores de poliamida para conexión a tubos rígidos Plastic connection to solid tube		3.23	RQBK45-M RQBK45-P Racores de poliamida arqueado 45° y rosca en latón Plastic connector bend 45° with thread made of brass		3.29
RQ GKZP-M Racores de poliamida con junta y rosca en latón Plastic connector with sealing and thread made of brass		3.12 / 3.13	RGE-M Racores metálicos para aplicaciones EMC Metal connector for EMC applications		3.34	RQB1 45-M RQB1 45-P RQB1 45-N Racores de poliamida arqueado 45° Plastic connector bend 45°		3.30
RQ GKZ-M / P RQ GKZE-M / P Racores de poliamida con junta y rosca en latón Plastic connector with sealing and thread made of brass		3.14 / 15	Multi-GFP Racores de poliamida para tubos ROHRflex-Multi Plastic connection for cable buncher ROHRflex-Multi		3.38	RQW-M RQW-P RQW-C RQW-N Racores de poliamida acodado 90° Plastic connector elbow 90°		3.31 / 3.32
RQGZ1-M RQGZ1-P RQGZ1-N Racores de poliamida Plastic connector		3.16	RQB90-M RQB90-P Racores de poliamida arqueado 90° Plastic connector bend 90°		3.24	RQW1-M RQW1-P RQW1-N Racores de poliamida acodado 90° Plastic connector elbow 90°		3.33
RQG2-M RQG2-P RQG2-N RQG2-U Racores de poliamida Plastic connector		3.17 / 3.18	RQBK90-M RQBK90-P RQBK90-N Racores de poliamida arqueado 90° y rosca en latón Plastic connector bend 90° with thread made of brass		3.25			

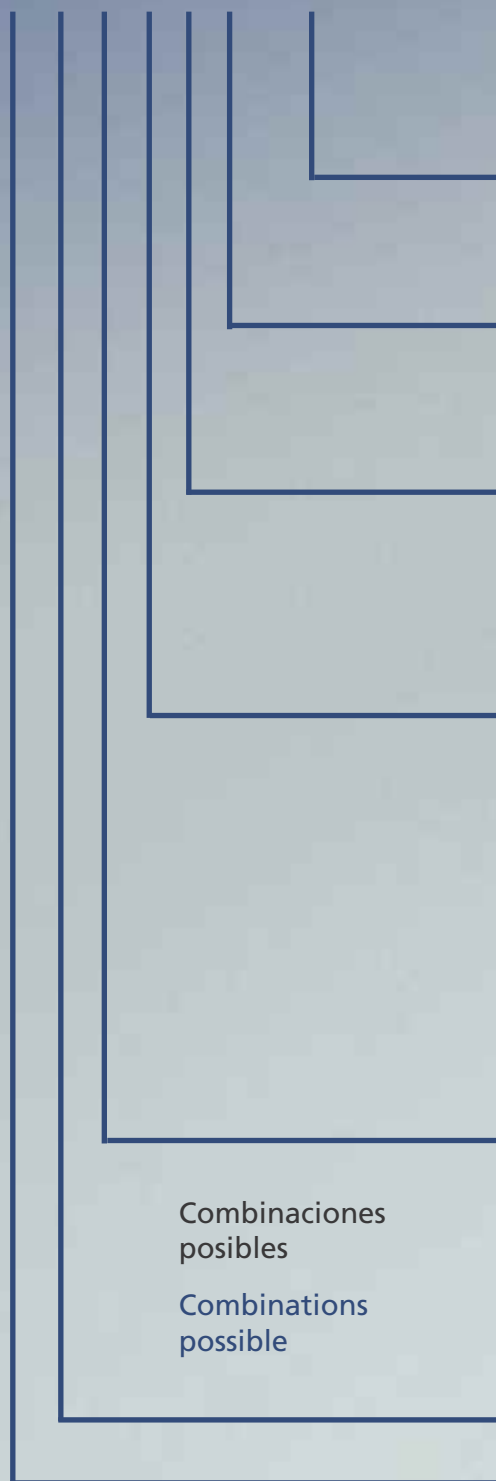
RQW-F Racores de poliamida acodado 90° y base de fijación Plastic connector elbow 90° with flange		3.36	RQK-PA RQK Manguitos de unión Plastic coupling		3.42
RQF2-M Base de conexión en poliamida Plastic flange		3.36	RQGR Manguito reductor de poliamida Plastic reducer		3.43
Multi-WFP Racores de poliamida acodado 90° para tubos ROHRflex-Multi Plastic connection 90° elbow for cable buncher ROHRflex-Multi		3.39	RQH RQHG Soporte de tubo material PA Tubing clamp made of PA		3.44
RQE Capuchón para los extremos del tubo material TPE End cap from tubing to cable made of TPE		3.35	RQS Soporte de tubo de una sola pieza Material PA Tubing clamp, one-part made of PA		3.45
RQA Protector terminal material PA End cap made of PA		3.35	RQM / RQMS Soporte de tubo macizo material PA Heavy tubing clamp made of PA		3.46
RQY-PA RQY Derivaciones en "Y" Plastic Y distributor		3.41	RQMR [-Kabel] Juntas reductoras para soporte RQM Reducer for clamp RQM Material PA		3.47
RQT-PA RQT Derivaciones en "T" Plastic T distributor		3.40	RQPRO Protector de tubo contra la abrasión Material PA Tubing abrasion protection made of PA		3.37

BW-M/P Ángulo de sujeción Acero cromado Fastening angle Material chromium-plated steel		3.50
BWK-M/P Ángulo sujeción roscado material plástico Fastening angle material plastic		3.49
SKM Abrazadera metálica Acero cincado Tubing-clamp Material galvanized steel		3.48
Racor RQG-Duo-M Racor de poliamida, abierto Plastic connector straight, separable		2.17
Contratuerca GMK-Duo-M Contratuerca abierta para racor RQG-Duo-M Counternut for RQG-Duo-M, separable		2.17
US-M / P Racores metálicos Metal connector		2.20
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SGL Abrazadera para racores NIMS Clamp suitable for type NIMS		2.21

Descripción de la referencia del Sistema FLEXAquick®

Types of FLEXAquick® System

R Q G K Z E - M



C	Rosca gas CTG	CTG / gas - thread
F	Conexión de base	Flange connection
M	Rosca métrica	Metric thread
N	Rosca NPT	NPT - thread
P	Rosca PG	PG - thread
S	Conexión enchufable	Plug-type connection
U	Rosca UNEF	UNEF - thread
E	CEM	EMC
1	Cuerpo cónico	Conically sealing
2	Rosca interior	Inner thread
3	Rosca interior y cuerpo cónico	Inner thread and conically sealing
4	Larga rosca de conexión	larger connection thread
DR	Racor giratorio	turnable thread
Z	Resistencia a la tracción	Strain relief
D	Tapa para soporte RQH	Top for clamp RQH
G	Soporte con tapa	Clamp with cover
K	Racor de plástico con rosca metálica	Plastic housing with metal thread
PRO	Protector	Protector
R	Reducción	Reducer
ST	Tubo sólido	Solid tube
V	Elemento de conexión	Connecting element
45	45°	45°
90	90°	90°
A	Protector terminal	Terminal sleeve
B	Arqueado	Bend
E	Tapón	End cap
F	Conexión de base	Flange connection
G	Recto	Straight type
H	Soporte	Clamp
K	Acoplamiento	Coupling
M	Soporte robusto	Heavy clamp
S	Soporte de tubo de una sola pieza	Tubing clamp / one-part
T	Conector en T	T - type connector
W	Acodado	Elbow type
Y	Conector en Y	Y - type connector
Q	FLEXAquick®	FLEXAquick®
R	ROHRflex	ROHRflex



índice combinado Combined Index

Dimensión comercial AD ø exterior del tubo	Rosca Metr. EN 60423	Rosca PG DIN 40430
Trade Size OD Tubing outer ø	Metric Thread EN 60423	PG Thread DIN 40430
10,0	M 10 x 1,0	PG 7
10,0	M 12 x 1,5	
13,0	M 12 x 1,5	PG 9
13,0	M 16 x 1,5	
15,8	M 16 x 1,5	PG 11
15,8	M 20 x 1,5	
18,5	M 20 x 1,5	PG 13,5
21,2	M 20 x 1,5	PG 16
21,2	M 25 x 1,5	
28,5	M 25 x 1,5	PG 21
28,5	M 32 x 1,5	
34,5	M 32 x 1,5	PG 29
34,5	M 40 x 1,5	
42,5	M 40 x 1,5	PG 36
42,5	M 50 x 1,5	
54,5	M 50 x 1,5	PG 48
54,5	M 63 x 1,5	



Montaje de racor FLEXAquick®

FLEXAquick® connector assembly



Basta con introducir el extremo
Just press in



Desmontaje rápido sin ayuda de herramientas.
Quick dismounting without tools.



Presionar el anillo con el cuerpo del racor y extraer
Press ring on the housing and pull off

Sigan las siguientes instrucciones con el fin de conseguir el grado de protección IP 68 / 67 / 66 / 65 conforme a las normas EN 60529, IEC 60529 y IP 69K* conforme a DIN 40050 T.9

Corte de tubo de protección:
Corte el tubo corrugado **ROHRflex®** entre los anillos.
Al cortar el tubo no se deberá rebasar la anchura de más de un anillo.

Montaje

El racor se debe montar en el tubo por la parte previamente cortada. Insertar el racor dentro del tubo hasta que ya no pueda deslizarse más y hasta que el racor sólo se pueda girar forzándolo.
El tubo corrugado liberado empuja las garras del casquillo móvil dentro del espacio entre anillos; esto significa que el racor se ha cerrado adecuadamente.

Racor FLEXAquick® con bloqueo anti-desmontaje

Colocamos una junta tórica en el hueco entre el cuerpo del racor y el casquillo móvil. De esta manera al introducir el tubo el racor queda perfectamente sujeto y no puede ser desmontado sin herramientas.

Demontaje

Presionar el anillo del casquillo contra el cuerpo del racor y luego extraer el tubo del racor (o el racor del tubo)

El racor está listo para un nuevo uso

Please note the following in order to attain protective System IP 68 / 67 / 66 / 65 acc. to EN 60529 / IEC 60529 and IP 69K* acc. to DIN 40050 T.9:

Parting of protective tubing:
Cut the **ROHRflex®** tubing between two ribs.

More than one rib should not be passed while cutting the tubing.

EAssembly

Tubing and connector must be assembled to the cut tubing side. Push the connector on to the tubing until it can not snap-in any more and the connector can only be turned with force.
The relieved corrugated tubing pushes the claws of the snap-in-sleeve between the ribs, this means an exact closing of the connection.

FLEXAquick® connector with locking device

Pull O-ring over connector housing and between connector housing and snap-in-sleeve, which means a perfect lock.
Now dismounting without tools is not possible.

Dismounting

Press the ring of the snap-in-sleeve to the connector case, then pull the tubing out or the connector from the tubing.

The connector is ready for use again.

* Serie ensayada por VDE conforme a DIN 40050 T.9

* Type-tested by VDE acc. to DIN 40050 T.9

Construcción

Racores con o sin hexágono, con rosca fija, provistos de casquillo integrado y junta de estanqueidad IP 68 / IP 69K*, sin juntas >IP 65

Racores de plástico

Material

Poliamida [PA]

Junta de estanqueidad TPE

Racores de plástico con rosca de latón

Material

Poliamida [PA]

Rosca Latón 58 niquelado

Junta TPE

Propiedades

- Montaje racional del tubo mediante racor de una sola pieza y cierre a presión
- se desmonta con facilidad, desplazando el casquillo
- Dimensiones exteriores mínimas para instalación en espacios reducidos

Aplicaciones

Para montajes realizados por expertos, ya que se trata de un racor aislante, adecuados para el uso según la norma EN 60204 en el ámbito de la construcción de máquinas y plantas industriales.

Structure

Connector case with or without hexagonal wrench surface, integrated snap-in sleeve with sealing IP 68 / IP 69K*, without sealing >IP 65

Material

Plastic connectors

plastic [PA]

Sealing TPE

Plastic connectors with thread made of brass

plastic [PA]

Thread nickel-plated brass 58

Sealing TPE

Properties

- rational tubing assembly due to one-piece connector with push-in lock
- dismantling without tools by displacing the snap-in sleeve
- smallest outer dimensions to be used under confined conditions

Application

For expert assembly applicable as protective insulation connector acc. to EN 60204 application rules for machine and plant constructions.



Cuerpo de racor
connector body

Junta
sealing



Junta plana
flat sealing

Casquillo
snap-in sleeve



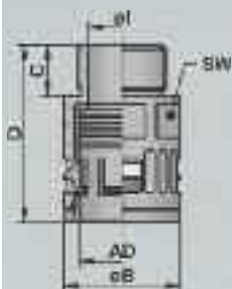
**Racor de poliamida de conexión rápida
junta de estanqueidad
Rosca exterior**

**Plastic connector, quick-type
straight
outer thread
high sealing rate**

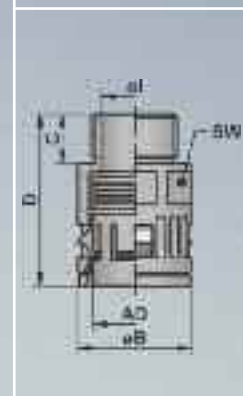
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

- resistant against oil and benzene
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD								
negro black	gris grey	ø	ø I mm	ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.	
RQG-M			Metr. EN 60423		[IP 68 / 69K]					
5020.037.210	5020.037.010	10,0	M 10 x 1,0	6,0	17,0	11,5	34,5	16	0,400	50
5020.065.203	5020.065.003	10,0	M 12 x 1,5	7,0	17,0	11,5	34,5	16	0,400	50
5020.037.212	5020.037.012	13,0	M 12 x 1,5	7,0	20,0	12,0	37,0	18	0,520	50
5020.065.205	5020.065.005	13,0	M 16 x 1,5	10,0	20,0	11,5	37,0	18	0,540	50
5020.037.216	5020.037.016	15,8	M 16 x 1,5	11,0	23,0	11,5	39,0	21	0,700	50
5020.065.207	5020.065.007	15,8	M 20 x 1,5	12,0	25,0	13,0	39,0	21	0,760	50
5020.037.218	5020.037.018	18,5	M 20 x 1,5	16,0	26,0	13,0	43,0	24	0,800	50
5020.037.220	5020.037.020	21,2	M 20 x 1,5	16,0	29,5	13,0	44,5	27	1,120	50
5020.065.209	5020.065.009	21,2	M 25 x 1,5	17,0	29,5	13,0	44,5	27	1,240	50
5020.065.210	5020.065.010	21,2	M 32 x 1,5	17,0	37,0	15,0	48,0	27	1,500	50
5020.037.225	5020.037.025	28,5	M 25 x 1,5	20,5	37,0	13,0	47,0	34	1,680	25
5020.065.211	5020.065.011	28,5	M 32 x 1,5	23,5	37,0	15,0	49,0	34	1,800	25
5020.037.232	5020.037.032	34,5	M 32 x 1,5	25,5	44,0	15,0	51,0	40	2,400	25
5020.037.238	5020.037.038	34,5	M 40 x 1,5	30,5	48,5	15,0	51,5	40	2,560	25
5020.037.240	5020.037.040	42,5	M 40 x 1,5	32,0	58,0	17,0	76,0	55	5,800	25
5020.037.245	5020.037.045	42,5	M 50 x 1,5	37,5	63,0	17,0	76,0	60	6,720	25
5020.037.250	5020.037.050	54,5	M 50 x 1,5	42,5	68,0	17,0	88,0	65	8,300	10
5020.037.263	5020.037.063	54,5	M 63 x 1,5	49,0	74,0	17,0	88,0	70	8,500	10
RQG-P			PG DIN 40430		[IP 68 / 69K]					
5020.026.207	5020.026.007	10,0	7	7,0	17,0	10,0	32,5	16	0,400	50
5020.027.202	5020.027.002	10,0	9	7,0	18,5	10,0	32,5	16	0,420	50
5020.027.203	5020.027.003	10,0	11	7,0	21,0	10,0	32,5	16	0,480	50
5020.027.205	5020.027.005	10,0	13,5	7,0	23,0	10,0	32,5	16	0,520	25
5020.027.201	5020.027.001	13,0	7	8,0	20,0	10,0	35,0	18	0,500	50
5020.026.209	5020.026.009	13,0	9	10,0	20,0	10,0	35,0	18	0,500	50
5020.027.204	5020.027.004	13,0	11	10,0	21,0	10,0	35,0	18	0,540	50
5020.027.206	5020.027.006	13,0	13,5	10,0	23,0	10,0	35,0	18	0,600	25
5020.026.211	5020.026.011	15,8	11	12,5	23,0	10,0	37,0	21	0,700	50
5020.027.207	5020.027.007	15,8	13,5	12,5	23,0	10,0	37,0	21	0,700	50
5020.027.210	5020.027.010	15,8	16	12,5	26,5	10,0	37,0	21	0,760	25
5020.026.213	5020.026.013	18,5	13,5	13,5	26,0	13,0	43,0	24	0,860	50
5020.026.214	5020.026.014	18,5	16	17,0	25,5	11,0	42,0	24	0,960	25
5020.027.209	5020.027.009	21,2	13,5	15,4	29,5	10,0	43,5	27	1,200	10
5020.026.216	5020.026.016	21,2	16	17,0	29,5	13,0	46,0	27	1,200	50
5020.027.208	5020.027.008	28,5	16	17,0	37,0	12,0	48,5	34	1,800	10
5020.026.221	5020.026.021	28,5	21	23,5	37,0	12,5	48,5	34	1,680	25
5020.026.229	5020.026.029	34,5	29	30,0	44,0	14,5	53,5	40	2,360	25
5020.026.236	5020.026.036	42,5	36	36,0	63,0	17,0	76,0	60	6,000	25
5020.026.248	5020.026.048	54,5	48	47,5	74,0	17,0	88,0	70	9,200	10



Montaje de racor Connector assembly



Ref.	AD OD									
negro black	Ø			Ø I mm	Ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG-C		CTG JIS B 0204	Whitworth DIN ISO 228-1	[IP 68 / 69K]						
5020.052.208	10,0		1/4"	7,0	17,0	10,0	32,5	16	0,400	50
5020.052.212	13,0		1/4"	9,0	20,0	10,0	35,0	18	0,520	50
5020.052.209	13,0		3/8"	10,0	21,0	10,0	35,0	18	0,500	50
5020.052.201	13,0	G 16	1/2 "	13,0	27,0	14,0	39,5	18	0,660	50
5020.052.210	15,8		3/8"	12,5	23,0	10,0	37,0	21	0,640	50
5020.052.202	15,8	G 16	1/2"	12,5	27,0	13,5	41,5	21	0,760	50
5020.052.203	21,2	G 16	1/2"	16,0	29,5	13,0	45,5	27	1,140	50
5020.052.204	28,5	G 22	3/4"	20,5	37,0	13,0	48,0	34	1,720	25
5020.052.205	34,5	G 28	1"	25,5	44,0	16,0	52,0	40	2,280	25
5020.052.206	42,5	G 36	1 1/4 "	35,0	52,0	18,0	59,0	60	3,080	25
5020.052.211	54,5		1 1/2"	40,0	40,0	17,0	89,0	70	4,400	10
5020.052.207	54,5	G 54	2"	49,0	64,0	18,0	89,0	70	4,500	10
RQG-N		NPT ANSI/ASME B1.20.1		[IP 68 / 69K]						
5020.056.201	10,0	1/4"		7,0	17,0	11,5	34,0	16	0,420	50
5020.056.202	13,0	1/4"		10,0	20,0	12,0	37,0	18	0,560	50
5020.056.203	13,0	3/8"	Ⓢ	10,0	20,0	12,0	37,0	18	0,540	50
5020.056.204	15,8	3/8"		12,5	23,0	12,0	39,0	21	0,600	50
5020.056.205	15,8	1/2"	Ⓢ	12,5	25,0	12,0	39,0	21	0,720	50
5020.056.206	21,2	1/2"		17,0	29,5	13,0	43,5	27	1,140	50
5020.038.221	28,5	3/4"	Ⓢ	21,0	37,0	14,0	47,5	34	1,680	25
5020.038.227	34,5	1"	Ⓢ	27,5	44,0	16,0	52,0	40	2,200	25
5020.056.207	42,5	1 1/4"	Ⓢ	36,5	52,0	18,0	77,0	60	1,520	25
5020.056.208	42,5	1 1/2"		36,5	55,0	18,0	77,0	60	3,500	25
5020.056.209	54,5	1 1/2"		42,5	64,0	18,0	89,0	70	4,400	10
5020.056.210	54,5	2"		48,5	64,0	21,0	92,0	70	4,500	10

Racor de poliamida de conexión rápida con resistencia a la tracción
rosca exterior de latón con cierre de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado

Plastic connector, quick-type, straight
outer thread made of nickel-plated brass
high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection

Ref.	Ref.	AD OD								
negro black	gris grey	Ø	Ø I mm	Ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.	
RQ GK-M		Metr. EN 60423		[IP 68 / 69K]						
5107.010.212	5107.010.012*	10,0	M 12 x 1,5	7,0	20,0	10,0	38,5	18	1,080	50
5107.410.212*	5107.410.012*	10,0	M 12 x 1,5	7,0	20,0	5,0	33,5	18	0,800	50
5107.013.212	5107.013.012*	13,0	M 12 x 1,5	7,0	24,0	10,0	40,0	22	1,500	50
5107.413.212*	5107.413.012*	13,0	M 12 x 1,5	7,0	24,0	5,0	35,0	22	1,400	50
5107.013.216	5107.013.016*	13,0	M 16 x 1,5	8,5	24,0	12,0	42,0	22	1,660	50
5107.413.216*	5107.413.016*	13,0	M 16 x 1,5	8,5	24,0	5,0	35,0	22	1,550	50
5107.015.216	5107.015.016*	15,8	M 16 x 1,5	10,0	27,0	12,0	43,5	25	1,940	50
5107.415.216*	5107.415.016*	15,8	M 16 x 1,5	10,0	27,0	5,0	36,5	25	1,800	50
5107.015.220	5107.015.020*	15,8	M 20 x 1,5	11,0	27,0	12,0	43,5	25	2,020	50
5107.415.220*	5107.415.020*	15,8	M 20 x 1,5	11,0	27,0	6,0	37,5	25	0,960	50
5107.021.220	5107.021.020*	21,2	M 20 x 1,5	15,0	29,5	12,0	50,0	28	2,360	25
5107.421.220*	5107.421.020*	21,2	M 20 x 1,5	15,0	29,5	6,0	44,0	28	0,960	25
5107.021.225	5107.021.025*	21,2	M 25 x 1,5	16,0	33,0	13,0	50,0	31	3,240	25
5107.421.225*	5107.421.025*	21,2	M 25 x 1,5	16,0	33,0	7,0	44,0	31	2,300	25
5107.028.225	5107.028.025*	28,5	M 25 x 1,5	18,0	37,0	13,0	53,0	35	3,840	25
5107.428.225*	5107.428.025*	28,5	M 25 x 1,5	18,0	37,0	7,0	47,0	35	4,000	25
5107.028.232	5107.028.032*	28,5	M 32 x 1,5	20,0	41,0	14,0	54,0	39	5,080	25
5107.428.232*	5107.428.032*	28,5	M 32 x 1,5	20,0	41,0	8,0	47,0	39	4,000	25
5107.034.232	5107.034.032*	34,5	M 32 x 1,5	24,0	44,0	14,0	58,0	42	5,760	25
5107.434.232*	5107.434.032*	34,5	M 32 x 1,5	24,0	44,0	8,0	52,0	42	5,400	25
5107.034.240	5107.034.040*	34,5	M 40 x 1,5	27,5	48,0	17,0	61,0	46	6,000	25
5107.434.240*	5107.434.040*	34,5	M 40 x 1,5	27,5	48,0	8,0	55,0	46	5,400	25
5107.042.240	5107.042.040*	42,5	M 40 x 1,5	32,0	58,0	17,0	76,0	55	15,800	10
5107.442.240*	5107.442.040*	42,5	M 40 x 1,5	32,0	58,0	8,0	67,0	55	7,700	10
5107.042.250	5107.042.050*	42,5	M 50 x 1,5	37,5	63,0	17,0	76,0	60	14,500	10
5107.442.250*	5107.442.050*	42,5	M 50 x 1,5	37,5	63,0	9,0	68,0	60	13,700	10
5107.054.250	5107.054.050*	54,5	M 50 x 1,5	39,0	68,0	17,0	88,0	65	14,500	10
5107.454.250*	5107.454.050*	54,5	M 50 x 1,5	39,0	68,0	9,0	80,0	65	15,000	10
5107.054.263	5107.054.063*	54,5	M 63 x 1,5	49,0	74,0	17,0	88,0	70	23,000	10
5107.454.263*	5107.454.063*	54,5	M 63 x 1,5	49,0	74,0	10,0	81,0	70	21,000	10
RQ GK-P		PG DIN 40430		[IP 68 / 69K]						
5020.074.207	5020.074.007*	10,0	7	7,0	20,0	10,0	38,0	18	0,980	50
5020.074.209	5020.074.009*	13,0	9	8,5	24,0	12,0	42,0	22	1,580	50
5020.074.211	5020.074.011*	15,8	11	11,0	27,0	12,0	44,0	25	2,200	50
5020.074.213	5020.074.013*	18,5	13,5	12,5	29,0	12,0	47,5	26	2,300	50
5020.074.216	5020.074.016*	21,2	16	16,0	33,0	13,0	51,0	31	2,680	25
5020.074.221	5020.074.021*	28,5	21	20,0	41,0	14,0	55,0	39	5,000	25
5020.074.229	5020.074.029*	34,5	29	27,5	48,0	14,0	59,0	46	7,200	25
5020.074.236	5020.074.036*	42,5	36	36,0	63,0	17,0	76,0	60	13,100	10
5020.074.248	5020.074.048*	54,5	48	47,5	74,0	17,0	88,0	70	20,400	10

* Plazo baja demanda
* Delivery time on request

Racor de poliamida de conexión rápida con cierre interior de estanqueidad cónico, Rosca exterior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type straight outer thread conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD								
negro black	gris grey	ø		ø I mm	ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG1-M		Metr. EN 60423			[IP 66]					
5020.055.210	5020.055.010	10,0	M 10 x 1,0	6,0	17,0	11,5	34,5	16	0,400	50
5020.055.211	5020.055.011	10,0	M 12 x 1,5	7,0	17,0	11,5	34,5	16	0,400	50
5020.055.212	5020.055.012	13,0	M 12 x 1,5	7,0	20,0	12,0	37,0	18	0,520	50
5020.055.214	5020.055.014	13,0	M 16 x 1,5	10,0	20,0	11,5	37,0	18	0,560	50
5020.055.216	5020.055.016	15,8	M 16 x 1,5	11,0	23,0	11,5	39,0	21	0,700	50
5020.055.218	5020.055.018	15,8	M 20 x 1,5	12,0	25,0	13,0	39,0	21	0,760	50
5020.055.219	5020.055.019	18,5	M 20 x 1,5	13,5	26,0	13,0	43,0	24	0,880	50
5020.055.220	5020.055.020	21,2	M 20 x 1,5	16,0	29,5	13,0	44,5	27	1,160	50
5020.055.222	5020.055.022	21,2	M 25 x 1,5	17,0	29,5	13,0	44,5	27	1,160	50
5020.055.225	5020.055.025	28,5	M 25 x 1,5	20,5	37,0	13,0	47,0	34	1,680	25
5020.055.228	5020.055.028	28,5	M 32 x 1,5	23,5	37,0	15,0	49,0	34	1,800	25
5020.055.232	5020.055.032	34,5	M 32 x 1,5	25,5	44,0	15,0	51,0	40	2,400	25
5020.055.236	5020.055.036	34,5	M 40 x 1,5	30,5	48,5	15,0	51,5	40	2,560	25
5020.055.240	5020.055.040	42,5	M 40 x 1,5	32,0	52,0	15,0	53,5	48	3,360	25
5020.055.245	5020.055.045	42,5	M 50 x 1,5	36,5	56,0	15,5	55,0	48	3,700	10
5020.055.250	5020.055.050	54,5	M 50 x 1,5	42,5	63,5	15,5	55,0	59	4,100	10
5020.055.263	5020.055.063	54,5	M 63 x 1,5	48,0	66,0	16,0	55,0	59	5,100	10
RQG1-P		PG DIN 40430			[IP 66]					
5020.049.207	5020.049.007	10,0	7	7,0	17,0	10,0	32,5	16	0,420	50
5020.063.202	5020.063.002	10,0	9	7,0	18,5	10,0	32,5	16	0,420	50
5020.063.203	5020.063.003	10,0	11	7,0	21,0	10,0	32,5	16	0,480	50
5020.063.205	5020.063.005	10,0	13,5	7,0	23,0	10,0	32,5	16	0,560	25
5020.062.201	5020.062.001	13,0	7	8,0	20,0	10,0	35,0	18	0,520	50
5020.049.209	5020.049.009	13,0	9	10,0	20,0	10,0	35,0	18	0,520	50
5020.063.204	5020.063.004	13,0	11	10,0	21,0	10,0	35,0	18	0,560	50
5020.063.206	5020.063.006	13,0	13,5	10,0	23,0	10,0	35,0	18	0,600	25
5020.049.211	5020.049.011	15,8	11	12,5	23,0	10,0	37,0	21	0,700	50
5020.063.207	5020.063.007	15,8	13,5	12,5	23,0	10,0	37,0	21	0,720	25
5020.063.210	5020.063.010	15,8	16	12,5	26,5	10,0	37,0	21	0,800	25
5020.049.213	5020.049.013	18,5	13,5	13,5	26,0	13,0	43,0	24	0,880	50
5020.062.209	5020.062.009	21,2	13,5	15,4	29,5	13,0	43,5	27	1,200	10
5020.049.216	5020.049.016	21,2	16	17,0	29,5	13,0	46,0	27	1,240	50
5020.062.208	5020.062.008	28,5	16	17,0	37,0	12,0	48,5	34	1,800	10
5020.049.221	5020.049.021	28,5	21	23,5	37,0	12,5	48,5	34	1,680	25
5020.049.229	5020.049.029	34,5	29	30,0	44,0	14,5	53,5	40	2,400	25
5020.049.236	5020.049.036	42,5	36	36,5	51,5	14,5	56,0	48	3,120	25
5020.049.248	5020.049.048	54,5	48	48,0	65,5	15,5	58,0	59	4,400	10

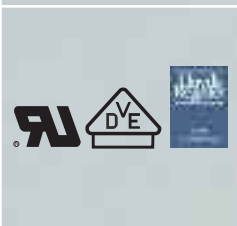
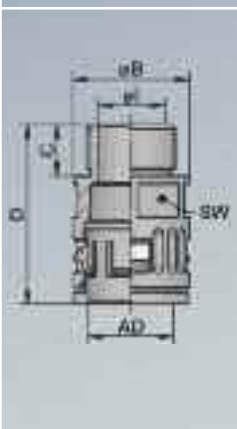


Racor de poliamida de conexión rápida con cierre interior de estanqueidad cónico, Rosca exterior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type straight outer thread conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



Ref.	AD OD									
negro black	Ø			Ø I mm	Ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG1-C		CTG JIS B 0204	Whitworth DIN ISO 228-1						[IP 66]	
5020.058.208	10,0		1/4"	7,0	17,0	10,0	32,5	16	0,400	50
5020.058.212	13,0		1/4"	9,0	20,0	10,0	35,0	18	0,520	50
5020.058.209	13,0		3/8"	10,0	21,0	10,0	35,0	18	0,500	50
5020.058.201	13,0	G 16	1/2 "	13,0	27,0	14,0	39,5	18	0,660	50
5020.058.210	15,8		3/8"	12,5	23,0	10,0	37,0	21	0,600	50
5020.058.202	15,8	G 16	1/2"	12,5	27,0	13,5	41,5	21	0,780	50
5020.058.203	21,2	G 16	1/2"	16,0	29,5	13,0	45,5	27	1,160	50
5020.058.204	28,5	G 22	3/4"	20,5	37,0	13,0	48,0	34	1,720	25
5020.058.205	34,5	G 28	1"	25,5	44,0	16,0	52,0	40	2,240	25
5020.058.206	42,5	G 36	1 1/4"	35,0	52,0	18,0	56,5	49	2,800	25
5020.058.211	54,5		1 1/2"	40,0	64,0	14,0	54,0	59	4,400	10
5020.058.207	54,5	G 54	2"	49,0	64,0	18,0	58,0	60	4,500	10
RQG1-N			NPT ANSI/ASME B1.20.1						[IP 66]	
5020.046.205	15,8		1/2"	12,5	25,0	12,0	39,0	21	0,700	50
5020.046.206	21,2		1/2"	17,0	29,5	13,0	43,5	27	1,000	50
5020.046.214	28,5		3/4"	21,0	37,0	14,0	47,5	34	1,400	25
5020.046.210	34,5		1"	27,5	44,0	16,0	52,0	40	2,200	25
5020.046.217	42,5		1 1/4"	36,5	52,0	18,0	77,0	60	4,500	25
5020.046.209	54,5		1 1/2"	42,5	64,0	18,0	89,0	70	7,200	10

Racor de poliamida de conexión rápida con resistencia a la tracción, rosca exterior de latón junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- óptimo agarre y estanqueidad de los cables al mismo tiempo

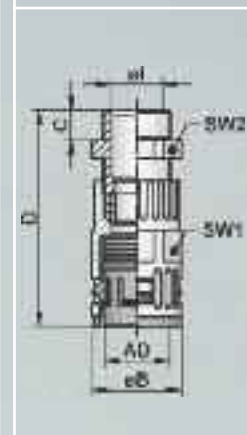
Para poder asegurar un grado de protección alto en el racor mixto, IP68, es necesario utilizar una junta tórica en la rosca (véase la norma de la compañía Flexa 1015B.)

Plastic connector, quick-type straight outer thread strain relief high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- optimal held and sealing of cables at the same time

To ensure a high protection system, IP 68, at the thread between cable gland insert and screw connector housing it is necessary to use a sealing compound (FLEXA company standard 1015 A).

Ref.	Ref.		AD OD									
negro black	gris grey	mm	Ø		Ø I mm	Ø B mm	C mm	D mm	SW1 mm	SW2 mm	kg/100	St. Pcs.
RQGZ-M		Metr. EN 60423				[IP 68 / 69K]						
5020.031.212	5020.031.012	4 - 6,5	10,0	M 12	6,5	17,0	8,0	51,0	16	15	0,800	20
5020.031.216	5020.031.016	5 - 9,5	13,0	M 16	9,5	20,0	8,0	53,0	18	20	1,300	20
5020.031.217	5020.031.017*	5 - 9,5	15,8	M 16	10,5	23,0	8,0	60,0	21	20	1,500	20
5020.031.220	5020.031.020	8 - 11,0	15,8	M 20	13,0	23,0	8,0	59,0	21	24	1,500	20
5020.031.223	5020.031.023*	8 - 11,0	18,5	M 20	12,0	27,0	8,0	59,0	24	24	1,700	20
5020.031.225	5020.031.025	11 - 16,0	21,2	M 25	16,0	33,5	8,0	70,0	27	29	3,000	10
5020.031.232	5020.031.032	15 - 21,0	28,5	M 32	18,0	37,0	10,0	82,0	34	36	3,800	10
5020.031.240	5020.031.040	16 - 26,0	34,5	M 40	25,0	44,0	10,0	85,0	40	46	5,700	10
5020.031.250	5020.031.050	27 - 35,0	42,5	M 50	32,0	58,0	12,0	141,0	55	55	11,200	10
5020.031.263	5020.031.063	32 - 42,0	54,5	M 63	44,0	68,0	12,0	145,0	65	68	13,200	10
RQGZ-P		PG DIN 40430				[IP 68 / 69K]						
5020.034.207	5020.034.007	3 - 6,5	10,0	7	7,0	17,0	8,0	51,0	16	15	0,800	20
5020.034.209	5020.034.009	4 - 8,0	13,0	9	8,0	20,0	8,0	53,0	18	19	1,050	20
5020.034.211	5020.034.011	5 - 10,0	15,8	11	10,0	23,0	8,0	59,0	21	22	1,450	20
5020.034.213	5020.034.013	6 - 11,0	15,8	13,5	11,0	27,0	8,0	59,0	21	24	1,600	20
5020.034.214	5020.034.014	6 - 12,0	18,5	13,5	12,0	27,0	8,0	59,0	24	24	1,600	20
5020.034.215	5020.034.015	6 - 12,0	21,2	13,5	12,0	29,5	8,0	70,0	27	24	2,200	10
5020.034.216	5020.034.016	10 - 14,0	21,2	16	14,0	29,5	10,0	72,0	27	27	2,300	10
5020.034.221	5020.034.021	13 - 18,0	28,5	21	20,0	37,0	11,0	82,0	34	33	3,500	10
5020.034.229	5020.034.029	18 - 25,0	34,5	29	25,0	44,0	11,0	85,0	40	42	5,000	10
5020.034.236	5020.034.036	22 - 32,0	42,5	36	32,0	58,0	13,0	140,0	55	53	8,500	10
5020.034.248	5020.034.048	34 - 44,0	54,5	48	44,0	68,0	14,0	144,0	65	65	11,200	10
RQGZ-N		NPT ANSI/ASME B1.20.1				[IP 68 / 69K]						
5704.015.205		6 - 12,0	15,8	1/2"							0,700	20
5704.021.205		7 - 10,0	21,2	1/2"							1,000	10
5704.028.214		12 - 18,0	28,5	3/4"							1,400	10
5704.034.210		21 - 25,0	34,5	1"							2,200	10
5704.042.217		24 - 32,0	42,5	1 1/4"							4,500	10
* Plazo bajo demanda * Delivery time on request												





Racor de poliamida de conexión rápida con resistencia a la tracción
rosca exterior de latón
junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado
- óptimo agarre y estanqueidad de los cables al mismo tiempo
- fijación y estanqueidad en un solo conector

Para poder asegurar un grado de protección alto en el racor mixto, IP68, es necesario utilizar una junta tórica en la rosca (véase la norma de la compañía Flexa 1015 B)

Plastic connector, quick-type straight
outer thread made of nickel-plated brass
strain relief
high sealing rate

- resistant against oil and benzene
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection
- optimal held and sealing of cables at the same time
- one-piece terminal block for isolation gentle fixation

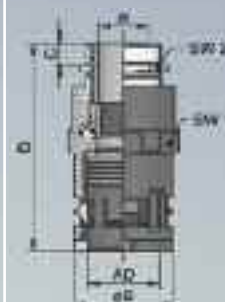
To ensure a high protection system, IP 68, at the thread between cable gland insert and screw connector housing it is necessary to use a sealing compound (FLEXA company standard 1015 A).

Ref.		AD OD									
negro black	mm	Ø		C mm	Ø I mm	Ø B mm	D mm	SW1 mm	SW2 mm	kg/100	St. Pcs.
RQGKZP-M			Metr. EN 60423	[IP 68 / 69K]							
5112.013.216*		13,0	M 16 x 1,5	6,0	8,5	24,0	56,5	22	18	2,600	50
5112.113.216	4,0 - 6,0	13,0	M 16 x 1,5	6,0	8,5	24,0	56,5	22	18	2,600	50
5112.213.216	5,0 - 8,0	13,0	M 16 x 1,5	6,0	8,5	24,0	56,5	22	18	2,600	50
5112.313.216	6,5 - 9,5	13,0	M 16 x 1,5	6,0	8,5	24,0	56,5	22	18	2,600	50
5112.513.216*		13,0	M 16 x 1,5	15,0	8,5	24,0	65,5	22	18	2,750	50
5112.613.216	4,0 - 6,0	13,0	M 16 x 1,5	15,0	8,5	24,0	65,5	22	18	2,750	50
5112.713.216	5,0 - 8,0	13,0	M 16 x 1,5	15,0	8,5	24,0	65,5	22	18	2,750	50
5112.813.216	6,5 - 9,5	13,0	M 16 x 1,5	15,0	8,5	24,0	65,5	22	18	2,750	50
5112.015.220*		15,8	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.115.220	4,0 - 6,0	15,8	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.215.220	6,5 - 9,5	15,8	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.315.220	7,0 - 10,5	15,8	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.515.220*		15,8	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.615.220	4,0 - 6,0	15,8	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.715.220	6,5 - 9,5	15,8	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.815.220	7,0 - 10,5	15,8	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.021.220*		21,2	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.121.220	6,5 - 9,5	21,2	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.221.220	7,0 - 10,5	21,2	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.321.220	9,0 - 13,0	21,2	M 20 x 1,5	6,5	11,0	27,0	57,0	25	22	3,500	50
5112.521.220*		21,2	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.621.220	6,5 - 9,5	21,2	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.721.220	7,0 - 10,5	21,2	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50
5112.821.220	9,0 - 13,0	21,2	M 20 x 1,5	15,0	11,0	27,0	65,5	25	22	3,650	50

* sin inserción de Junta
* without sealing insert

Ref.		AD OD									
negro black	mm	ø	C mm	ø I mm	ø B mm	D mm	SW1 mm	SW2 mm	kg/100	St. Pcs.	
RQGKZP-M		Metr. EN 60423		[IP 68 / 69K]							
5112.021.225*		21,2	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.121.225	9,0 - 13,0	21,2	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.221.225	11,5 - 15,5	21,2	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.521.225*		21,2	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.621.225	9,0 - 13,0	21,2	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.721.225	11,5 - 15,5	21,2	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.028.225*		28,5	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.128.225	9,0 - 13,0	28,5	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.228.225	11,5 - 15,5	28,5	M 25 x 1,5	7,5	16,0	33,0	65,0	28	28	5,600	25
5112.528.225*		28,5	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.628.225	9,0 - 13,0	28,5	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.728.225	11,5 - 15,5	28,5	M 25 x 1,5	15,0	16,0	33,0	72,5	28	28	5,780	25
5112.028.232*		28,5	M 32 x 1,5	8,0	20,0	41,0	71,0	31	35	8,500	25
5112.128.232	14,0 - 18,0	28,5	M 32 x 1,5	8,0	20,0	41,0	71,0	31	35	8,500	25
5112.228.232	17,0 - 20,5	28,5	M 32 x 1,5	8,0	20,0	41,0	71,0	31	35	8,500	25
5112.528.232*		28,5	M 32 x 1,5	15,0	20,0	41,0	78,0	31	35	8,650	25
5112.628.232	14,0 - 18,0	28,5	M 32 x 1,5	15,0	20,0	41,0	78,0	31	35	8,650	25
5112.728.232	17,0 - 20,5	28,5	M 32 x 1,5	15,0	20,0	41,0	78,0	31	35	8,650	25
5112.034.240*		34,5	M 40 x 1,5	8,0	27,5	48,0	75,0	42	43	13,400	25
5112.134.240	20,0 - 25,0	34,5	M 40 x 1,5	8,0	27,5	48,0	75,0	42	43	13,400	25
5112.234.240	24,0 - 28,5	34,5	M 40 x 1,5	8,0	27,5	48,0	75,0	42	43	13,400	25
5112.534.240*		34,5	M 40 x 1,5	15,0	27,5	48,0	82,0	42	43	13,550	25
5112.634.240	20,0 - 25,0	34,5	M 40 x 1,5	15,0	27,5	48,0	82,0	42	43	13,550	25
5112.734.240	24,0 - 28,0	34,5	M 40 x 1,5	15,0	27,5	48,0	82,0	42	43	13,550	25
5112.042.250*		42,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.142.250	27,0 - 32,0	42,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.242.250	32,0 - 36,0	42,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.542.250*		42,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.642.250	27,0 - 32,0	42,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.742.250	32,0 - 36,0	42,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.054.250*		54,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.154.250	32,0 - 36,0	54,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.254.250	36,0 - 40,0	54,5	M 50 x 1,5	10,0	36,0	60,0	82,0	50	57	17,800	10
5112.554.250*		54,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.654.250	32,0 - 36,0	54,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.754.250	36,0 - 40,0	54,5	M 50 x 1,5	15,0	36,0	60,0	87,0	50	57	18,000	10
5112.054.263*		54,5	M 63 x 1,5	10,0	47,5	72,0	90,0	61	68	28,400	10
5112.154.263	36,0 - 40,0	54,5	M 63 x 1,5	10,0	47,5	72,0	90,0	61	68	28,400	10
5112.254.263	40,0 - 44,0	54,5	M 63 x 1,5	10,0	47,5	72,0	90,0	61	68	28,400	10
5112.554.263*		54,5	M 63 x 1,5	15,0	47,5	72,0	95,0	61	68	28,650	10
5112.654.263	36,0 - 40,0	54,5	M 63 x 1,5	15,0	47,5	72,0	95,0	61	68	28,650	10
5112.754.263	40,0 - 44,0	54,5	M 63 x 1,5	15,0	47,5	72,0	95,0	61	68	28,650	10
* sin inserción de Junta * without sealing insert											

* sin inserción de Junta
* without sealing insert



3



Racor de poliamida de conexión rápida con resistencia de alta tracción
rosca exterior de latón
junta de estanqueidad

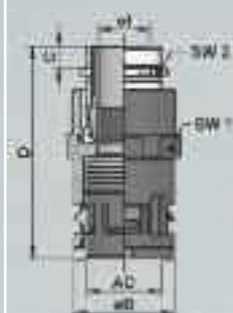
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado
- óptimo agarre y estanqueidad de los cables al mismo tiempo

Para poder asegurar un grado de protección alto en el racor mixto, IP68, es necesario utilizar una junta tórica en la rosca (véase la norma de la compañía Flexa 1015 B).

Plastic connector, quick-type
straight
outer thread made of nickel-plated brass
strain relief
high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection
- optimal held and sealing of cables at the same time

To ensure a high protection system, IP 68, at the thread between cable gland insert and screw connector housing it is necessary to use a sealing compound (FLEXA company standard 1015 A).



Ref.	Ref.		AD OD									
negro black	gris * grey *	mm	Ø		Ø I mm	Ø B mm	C mm	D mm	SW1 mm	SW2 mm	kg/100	St. Pcs.
RQGKZ-M			Metr. EN 60423		[IP 68 / 69K]							
5110.010.212	5110.010.012	3,0- 5,3	10,0	M 12	6,5	20,0	5,0	53,5	18	14	2,240	50
5110.013.216	5110.013.016	5,0- 8,5	13,0	M 16	10,0	24,0	5,0	55,0	22	17	3,380	50
5110.015.220	5110.015.020	7,5-10,0	15,8	M 20	13,5	27,0	6,0	63,0	25	22	3,500	50
5110.021.220	5110.021.020	10,0-12,5	21,2	M 20	13,5	29,5	6,0	65,0	28	22	5,600	25
5110.021.225	5110.021.025	9,0-16,0	21,2	M 25	16,5	33,0	7,0	70,0	31	27	6,100	25
5110.028.225	5110.028.025	11,0-16,0	28,5	M 25	16,5	37,0	7,0	70,0	31	27	8,500	25
5110.028.232	5110.028.032	12,0-16,0	28,5	M 32	21,0	43,0	8,0	75,0	31	34	13,400	25
5110.034.232	5110.034.032	14,5-20,5	34,5	M 32	22,0	44,0	8,0	75,0	42	34	13,400	25
5110.034.240	5110.034.040	19,0-20,5	34,5	M 40	27,5	48,0	8,0	78,0	42	43	14,000	25
5110.042.240	5110.042.040	21,0-26,0	42,5	M 40	28,0	58,0	8,0	107,0	55	43	19,000	10
5110.042.250	5110.042.050	20,0-26,5	42,5	M 50	36,0	58,0	9,0	109,0	55	55	16,000	10
5110.054.250	5110.054.050	25,0-35,0	54,5	M 50	36,0	68,0	9,0	120,0	65	55	31,700	10
5110.054.263	5110.054.063	32,0-42,0	54,5	M 63	44,0	68,0	10,0	139,0	65	65	34,000	10
RQGKZ-P			PG DIN 40430		[IP 68 / 69K]							
5500.010.207		3,0- 6,0	10,0	7	6,8	20,5	5,0	50,0	18	14	2,740	50
5500.013.209		3,0- 8,0	13,0	9	8,5	24,0	6,0	56,5	22	17	2,600	50
5500.015.211		5,0-10,0	15,8	11	10,5	27,0	6,0	57,0	25	20	3,500	50
5500.021.216		11,0-14,0	21,2	16	14,8	33,0	6,5	65,0	31	24	5,120	25
5500.028.221		12,0-18,0	28,5	21	18,5	41,0	7,0	71,0	39	30	8,480	25
5500.034.229		19,0-25,0	34,5	29	25,5	48,5	8,0	75,0	46	40	13,280	25
5500.042.236		25,0-33,0	42,5	36	34,5	58,0	9,0	103,0	55	50	17,800	10
5500.054.248		35,0-43,0	54,5	48	44,0	68,0	10,0	120,0	65	64	29,800	10

* gris - plazo bajo demanda
* grey - delivery time on request



Racor de poliamida de conexión rápida con resistencia a la tracción y apantallamiento, rosca exterior de latón y junta de estanqueidad

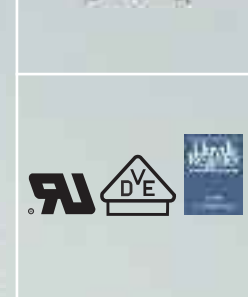
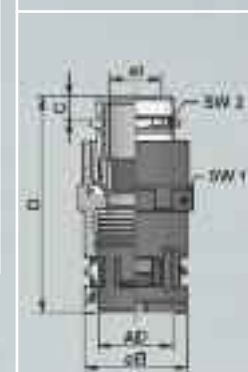
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado
- óptimo agarre y estanqueidad de los cables al mismo tiempo

Para poder asegurar un grado de protección alto en el racor mixto, IP68, es necesario utilizar una junta tórica en la rosca (véase la norma de la compañía Flexa 1015 A)

Plastic connector, quick-type straight outer thread made of nickel-plated brass strain relief and shielding high sealing rate

- resistant against oil and benzene
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection
- optimal held and sealing of cables at the same time

To ensure a high protection system, IP 68, at the thread between cable gland insert and screw connector housing it is necessary to use a sealing compound (FLEXA company standard 1015 A).



Ref.	Ref.		AD OD									
negro black	gris * grey *	mm	Ø		Ø I mm	Ø B mm	C mm	D mm	SW1 mm	SW2 mm	kg/100	St. Pcs.
RQGKZE-M			Metr. EN 60423		[IP 68 / 69K]							
5111.010.212	5111.010.012	3,0- 6,0	10,0	M 12	6,5	20,0	5,0	53,5	18	14	1,800	50
5111.013.216	5111.013.016	5,5- 8,5	13,0	M 16	10,0	24,0	5,0	55,0	22	17	3,440	50
5111.015.220	5111.015.020	7,5-12,0	15,8	M 20	13,5	27,0	6,0	63,0	25	22	3,500	50
5111.021.220	5111.021.020	9,5-12,0	21,2	M 20	13,5	29,5	6,0	65,0	28	22	5,600	25
5111.021.225	5111.021.025	9,5-16,0	21,2	M 25	16,5	33,0	7,0	70,0	31	27	6,100	25
5111.028.225	5111.028.025	9,5-16,0	28,5	M 25	16,5	37,0	7,0	70,0	31	27	6,880	25
5111.034.232	5111.034.032	14,5-20,5	34,5	M 32	22,0	44,0	8,0	75,0	42	34	13,400	25
5111.042.240	5111.042.040	20,0-26,5	42,5	M 40	28,0	58,0	8,0	107,0	55	43	19,600	10
5111.054.250	5111.054.050	25,0-34,0	54,5	M 50	36,0	68,0	9,0	120,0	65	55	27,500	10
RQGKZE-P			PG DIN 40430		[IP 68 / 69K]							
5111.010.207		3,0- 6,0	10,0	7	6,8	20,5	5,0	50,0	18	14	1,860	50
5111.013.209		4,0- 7,5	13,0	9	8,5	24,0	6,0	56,5	22	17	2,800	50
5111.015.211		4,0- 9,5	15,8	11	10,5	27,0	6,0	57,0	25	20	3,500	50
5111.021.216		9,0-13,0	21,2	16	14,8	33,0	6,5	65,0	31	24	4,900	25
5111.028.221		11,5-17,0	28,5	21	18,5	41,5	7,0	71,0	39	30	8,500	25
5111.034.229		19,0-23,0	34,5	29	25,5	48,5	8,0	75,0	46	40	13,400	25
5111.042.236		25,0-33,0	42,5	36	34,5	58,0	9,0	103,0	55	50	17,800	10
5111.054.248		35,0-43,0	54,5	48	44,0	68,0	10,0	120,0	65	64	28,400	10

* gris - Plazo bajo demanda

* grey - Delivery time on request

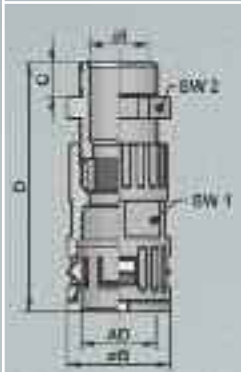
* gris - Plazo bajo demanda
* grey - Delivery time on request

Racor de poliamida de conexión rápida con cierre interior de estanqueidad cónico con resistencia a la tracción, rosca exterior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- óptimo agarre y estanqueidad de los cables al mismo tiempo

Plastic connector, quick-type straight outer thread strain relief conically sealing

- resistant against oil and benzene
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- optimal held and sealing of cables at the same time



Ref.	Ref.		AD	OD										
negro black	gris grey	mm	Ø	Ø I	Ø B	C	D	SW1	SW2	kg/100	St. Pcs.			
RQGZ1-M												[IP 66]		
5109.010.212	5109.010.012	4,0- 6,5	10,0	M 12	6,5	17,0	8,0	51,0	16	15	0,800	20		
5109.013.216	5109.013.016	5,0- 9,5	13,0	M 16	9,5	20,0	8,0	53,0	18	19	1,300	20		
5109.015.220	5109.015.020	8,0-11,0	15,8	M 20	13,0	23,0	8,0	59,0	21	22	1,550	20		
5109.021.225	5109.021.025	11,0-16,0	21,2	M 25	16,0	33,5	8,0	70,0	27	24	3,100	10		
5109.028.232	5109.028.032	15,0-21,0	28,5	M 32	18,0	37,0	15,0	86,0	34	33	3,800	10		
5109.034.240	5109.034.040	16,0-26,0	34,5	M 40	25,0	44,0	18,0	91,0	40	42	5,800	10		
5109.042.250	5109.042.050	27,0-35,0	42,5	M 50	32,0	52,0	18,0	111,0	49	53	9,000	10		
5109.054.263	5109.054.063	32,0-42,0	54,5	M 63	44,0	64,0	18,5	116,5	60	65	11,800	10		
RQGZ1-P												[IP 66]		
PG DIN 40430														
5020.060.207	5020.060.007	3,0- 6,5	10,0	7	7,0	17,0	8,0	51,0	16	15	0,750	20		
5020.060.209	5020.060.009	4,0- 8,0	13,0	9	8,0	20,0	8,0	53,0	18	19	1,050	20		
5020.060.211	5020.060.011	5,0-10,0	15,8	11	10,0	23,0	8,0	59,0	21	22	1,450	20		
5020.060.213	5020.060.013	6,0-11,0	15,8	13,5	12,0	27,0	8,0	59,0	21	24	1,600	20		
5020.060.214	5020.060.014	6,0-12,0	18,5	13,5	12,0	27,0	8,0	59,0	24	24	1,750	20		
5020.060.215	5020.060.015	6,0-12,0	21,2	13,5	12,0	29,5	8,0	70,0	27	24	2,300	10		
5020.060.216	5020.060.016	10,0-14,0	21,2	16	14,0	29,5	10,0	72,0	27	27	2,400	10		
5020.060.221	5020.060.021	13,0-18,0	28,5	21	18,0	37,0	11,0	82,0	34	33	3,400	10		
5020.060.229	5020.060.029	18,0-25,0	34,5	29	25,0	44,0	12,0	85,0	40	42	5,000	10		
5020.060.236	5020.060.036	22,0-32,0	42,5	36	32,0	52,0	13,0	106,0	49	53	8,500	10		
5020.060.248	5020.060.048	34,0-44,0	54,5	48	44,0	64,0	14,0	112,0	60	65	11,800	10		
RQGZ1-N												[IP 66]		
NPT ANSI/ASME B1.20.1														
5705.015.205		6,0-12,0	15,8	1/2"	12,0	27,0	15,0	69,0	21	24	1,600	50		
5705.021.205		7,0-12,0	21,2	1/2"	12,0	29,5	15,0	73,0	27	24	2,200	25		
5705.028.214		12,0-18,0	28,5	3/4"	18,0	37,0	15,0	79,0	34	33	3,400	25		
5705.034.210		21,0-25,0	34,5	1"	25,0	44,0	18,0	89,0	40	42	5,000	10		
5705.054.212		24,0-32,0	42,5	1 1/4"	32,0	52,0	18,0	100,0	49	53	8,900	10		

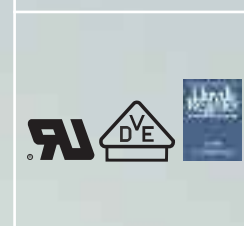
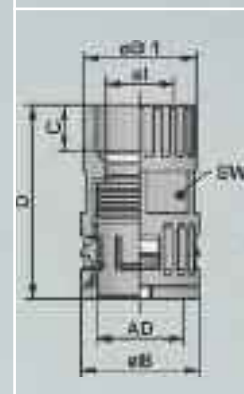
Racor de poliamida de conexión rápida
con cierre interior de estanqueidad
cónico, Rosca interior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type
straight
inner thread
high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	ø B1 mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG2-M		Metr. EN 60423								[IP 68 / 69K]	
5020.078.201	5020.078.001	10,0	M 12	7,5	17,0	17,0	9,5	36,5	16	0,450	50
5020.078.215	5020.078.015	13,0	M 12	10,0	20,0	23,0	9,5	34,5	18	0,550	50
5020.078.214	5020.078.014	13,0	M 16	10,0	20,0	21,0	9,5	36,5	18	0,640	50
5020.078.216	5020.078.016	15,8	M 16	12,5	23,0	21,0	9,5	39,0	21	0,760	50
5020.078.220	5020.078.020	21,2	M 20	16,5	29,5	24,0	12,5	49,0	27	1,260	50
5020.078.225	5020.078.025	28,5	M 25	17,0	37,0	30,0	13,5	54,0	34	1,400	25
5020.078.232	5020.078.032	34,5	M 32	24,0	44,0	35,0	15,0	55,5	40	2,200	10
5020.078.240	5020.078.040	42,5	M 40	33,0	58,0	44,5	20,0	85,0	55	2,800	10
5020.078.250	5020.078.050	54,4	M 50	48,5	68,0	54,5	20,0	86,5	65	4,300	10
5020.078.263	5020.078.063	54,4	M 63	48,5	68,0	69,0	25,0	91,0	65	7,000	10
RQG2-P		PG DIN 40430								[IP 68 / 69K]	
5020.081.209	5020.081.009	13,0	9	10,0	20,5	21,0	11,5	33,5	18	0,680	50
5020.081.211	5020.081.011	15,8	11	12,5	23,0	23,0	15,0	39,5	21	1,000	50
5020.081.216	5020.081.016	21,2	16	17,0	29,5	27,5	16,0	45,0	27	1,380	50
5020.081.221	5020.081.021	28,5	21	23,5	37,0	33,5	22,0	49,0	34	2,040	25
5020.081.229	5020.081.029	34,5	29	30,5	44,0	41,0	18,0	52,0	40	2,600	10
5020.081.236	5020.081.036	42,5	36	36,5	58,0	52,0	20,0	91,0	55	6,800	10
5020.081.248	5020.081.048	54,5	48	45,0	68,0	64,0	16,0	90,0	65	9,200	10
RQG2-N		NPT ANSI/ASME B1.20.1								[IP 68 / 69K]	
5020.080.208 *		21,2	1/2"	17,8	29,5	23,0	12,0	52,5	27,0	1,560	50
5020.080.214 *		28,5	3/4"	23,5	37,0	24,0	14,0	54,0	34,0	2,440	25
5020.080.218 *		34,5	1"	37,5	44,0	30,0	16,0	56,0	40,0	3,000	10
5020.080.217 *		42,5	1 1/4"	30,0	52,0	48,5	18,0	58,5	49,0	3,200	10
5020.080.209 *		54,5	1 1/2"	37,5	64,0	54,5	18,0	65,5	60,0	4,000	10
* Plazo bajo demanda * Delivery time on request											



Racor de poliamida de conexión rápida
con cierre interior de estanqueidad
cónico, Rosca interior

Plastic connector, quick-type
straight
inner thread
high sealing rate

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	AD OD											
negro black	ø				ø I mm	ø B mm	ø B1 mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG2-U		UNE F ANSI/ASME B1.1										[IP 68 / 69K]
5020.047.202	13,0	1/2" (0,500)	- 28	10,0	20,0	17,0	8,0	36,6	18	0,500	50	
5020.047.203	13,0	5/8" (0,625)	- 24	10,0	20,0	20,6	8,0	36,6	18	0,600	50	
5020.047.205	13,0	3/4" (0,750)	- 20	10,0	20,0	23,0	9,5	38,5	18	0,700	50	
5020.047.204	15,8	5/8" (0,625)	- 24	12,5	23,0	23,6	9,5	40,0	21	0,760	50	
5020.047.232	15,8	11/16" (0,6875)	- 24	12,5	23,0	23,6	9,5	46,0	21	0,800	50	
5020.047.206	15,8	3/4" (0,750)	- 20	12,5	23,0	23,6	9,5	41,7	21	0,940	50	
5020.047.225	15,8	15/16" (0,9375)	- 20	12,5	23,0	30,0	9,5	45,5	21	1,300	50	
5020.047.210	15,8	1" (1,000)	- 20	12,5	23,0	30,0	9,5	45,5	21	1,100	50	
5020.047.239	21,2	9/16" (0,5625)	- 24	12,5	29,5	20,0	8,0	44,6	27	1,100	50	
5020.047.207	21,2	5/8" (0,625)	- 24	12,5	29,5	30,1	9,5	45,0	27	1,100	50	
5020.047.227	21,2	3/4" (0,75)	- 20	12,5	29,5	30,0	9,5	51,5	27	1,400	50	
5020.047.208	21,2	7/8" (0,875)	- 20	17,0	29,5	29,5	9,5	50,5	27	1,540	50	
5020.047.209	21,2	15/16" (0,9375)	- 20	17,0	29,5	30,1	9,5	50,3	27	1,780	50	
5020.047.211	21,2	1" (1,000)	- 20	17,0	29,5	30,1	9,5	50,3	27	1,720	50	
5020.047.230	21,2	1 1/8" (1,125)	- 18	17,0	29,5	33,5	9,5	52,5	27	1,700	50	
5020.047.212	21,2	1 3/16" (1,1875)	- 18	17,0	29,5	34,6	9,5	52,3	27	1,980	50	
5020.047.222	21,2	1 3/8" (1,375)	- 18	17,0	29,5	41,0	9,5	52,5	27	2,200	50	
5020.047.215	21,2	1 7/16" (1,4375)	- 18	17,0	29,5	41,0	9,5	52,5	27	1,900	50	
5020.047.219	21,2	1 3/4" (1,750)	- 18	17,0	29,5	49,0	9,5	52,5	27	2,560	50	
5020.047.223	28,5	15/16" (0,9375)	- 20	17,0	37,0	37,0	9,5	52,5	34	1,080	25	
5020.047.214	28,5	1" (1,000)	- 20	23,5	37,0	37,0	9,5	54,0	34	2,200	25	
5020.047.213	28,5	1 3/16" (1,1875)	- 18	23,5	37,0	37,0	9,5	52,5	34	2,240	25	
5020.047.216	28,5	1 3/8" (1,375)	- 18	23,5	37,0	41,0	9,5	54,0	34	2,680	25	
5020.047.217	28,5	1 7/16" (1,4375)	- 18	23,5	37,0	41,0	9,5	54,0	34	2,480	25	
5020.047.236	28,5	1 3/4" (1,750)	- 18	23,5	37,0	49,0	9,5	54,0	34	3,000	25	
5020.047.233	34,5	1" (1,000)	- 20	23,5	44,0	43,5	9,5	56,0	40	2,300	10	
5020.047.234	34,5	1 3/16" (1,1875)	- 18	17,0	44,0	43,5	9,5	56,0	40	3,000	10	
5020.047.224	34,5	1 3/8" (1,375)	- 18	23,5	44,0	52,0	9,5	56,0	40	3,200	10	
5020.047.218	34,5	1 7/16" (1,4375)	- 18	30,5	44,0	44,0	9,5	55,0	40	1,800	10	
5020.047.220	34,5	1 3/4" (1,750)	- 18	30,5	44,0	49,0	9,5	56,0	40	2,900	10	
5020.047.221	34,5	2" (2,000)	- 18	30,5	44,0	55,0	9,5	56,0	40	3,200	10	
5020.047.231	42,5	1 3/16" (1,1875)	- 18	23,0	52,0	52,0	9,5	56,0	48	4,100	10	
5020.047.228	42,5	1 7/16" (1,4375)	- 18	30,5	52,0	52,0	9,5	57,0	48	3,100	10	
5020.047.229	42,5	1 3/4" (1,750)	- 18	30,5	52,0	52,0	9,5	58,5	48	4,200	10	
5020.047.238	42,5	2" (2,000)	- 18	30,5	52,0	54,5	9,5	60,0	49	4,300	10	
5020.047.237	42,5	2 1/4" (2,25)	- 16	30,5	52,0	66,5	18,0	70,0	48	5,500	10	
5020.047.235	54,5	2 1/4" (2,25)	- 16	49,5	64,0	66,5	18,0	70,0	60	6,100	10	



Racor de poliamida de conexión rápida con conexión roscada de latón, rosca interior métrica junta de estanqueidad

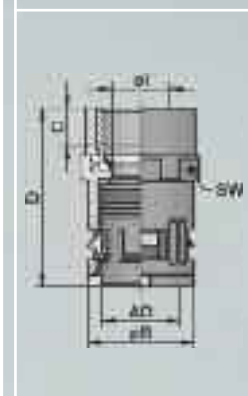
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado

Plastic connector, quick-type straight inner thread made of nickel-plated brass high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection

Ref.	Ref.	AD OD								
negro black	gris grey	Ø	Ø I mm	Ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.	
RQGK2-M		Metr. EN 60423		[IP 68 / 69K]						
5108.010.212	5108.010.012*	10,0	M 12	7,0	20,0	7,5	38,5	18	0,900	50
5108.013.216	5108.013.016*	13,0	M 16	8,5	24,0	9,0	42,0	22	2,420	50
5108.015.220	5108.015.020*	15,8	M 20	10,0	27,0	10,0	43,5	25	3,140	50
5108.021.220	5108.021.020*	21,2	M 20	15,0	33,0	11,0	50,0	30	4,800	25
5108.021.225	5108.021.025*	21,2	M 25	16,0	33,0	11,0	50,0	30	2,600	25
5108.028.225	5108.028.025*	28,5	M 25	18,0	43,0	13,0	53,0	41	5,080	25
5108.028.232	5108.028.032*	28,5	M 32	21,0	43,0	13,0	54,0	41	4,600	25
5108.034.232	5108.034.032*	34,5	M 32	24,0	48,0	13,0	58,0	46	6,880	25
5108.034.240	5108.034.040*	34,5	M 40	27,5	48,0	15,0	60,0	46	6,300	25
5108.042.240	5108.042.040*	42,5	M 40	32,0	58,0	15,0	85,0	55	10,000	10
5108.042.250	5108.042.050*	42,5	M 50	36,0	63,0	17,0	86,5	55	11,000	10
5108.054.250	5108.054.050*	54,5	M 50	39,0	68,0	17,0	98,0	65	17,000	10
5108.054.263	5108.054.063*	54,5	M 63	47,5	79,0	17,0	95,5	65	18,600	10
RQGK2-P		PG DIN 40430		[IP 68 / 69K]						
5020.075.207 *		10,0	7	7,0	20,0	8,0	38,0	18	0,900	50
5020.075.209 *		13,0	9	8,5	24,0	9,0	42,0	22	1,500	50
5020.075.211 *		15,8	11	11,0	27,0	9,0	44,0	25	2,300	50
5020.075.213 *		18,5	13,5	12,5	29,0	9,5	47,5	26	2,640	50
5020.075.216 *		21,2	16	16,0	33,0	13,0	51,0	31	3,160	25
5020.075.221 *		28,5	21	20,0	41,0	13,0	55,0	39	4,400	25
5020.075.229 *		34,5	29	27,5	48,0	14,0	59,0	46	6,840	25
5020.075.236 *		42,5	36	36,0	60,0	15,5	85,0	55	10,300	10
5020.075.248 *		54,5	48	42,5	72,0	16,0	98,0	65	13,600	10

* Plazo bajo demanda
* Delivery time on request

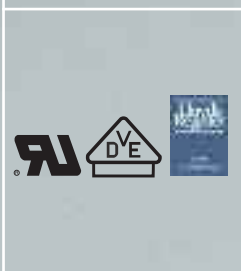
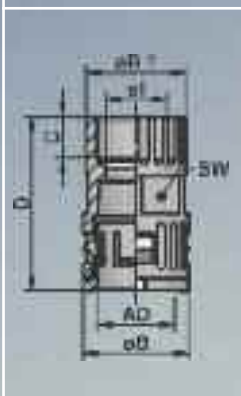


Racor de poliamida de conexión rápida
con cierre interior de estanqueidad
cónico, Rosca interior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type
straight
inner thread
conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



Ref.	AD OD									
negro black	Ø		Ø I mm	Ø B mm	Ø B1 mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG3-M		Metr. EN 60423	[IP 66]							
5020.079.215	13,0	M 12 x 1,5	10,0	20,0	23,0	9,5	34,5	18	0,580	50
5020.079.214	13,0	M 16 x 1,5	10,0	20,0	21,0	9,5	36,5	18	0,660	50
5020.079.216	15,8	M 16 x 1,5	12,5	23,0	21,0	9,5	39,0	21	0,780	50
5020.079.220	21,2	M 20 x 1,5	16,5	29,5	24,0	12,5	49,0	27	1,280	50
5020.079.225	28,5	M 25 x 1,5	17,0	37,0	30,0	13,5	54,0	34	2,120	25
5020.079.232	34,5	M 32 x 1,5	24,0	44,0	35,0	15,0	55,5	40	2,680	10
5020.079.240	42.5	M 40 x 1,5	33,0	52,0	44,5	20,0	63,0	50	3,400	10
RQG3-P		PG DIN 40430	[IP 66]							
5020.085.209	13,0	9	10,0	20,5	21,0	11,5	33,5	18	0,600	50
5020.085.211	15,8	11	12,5	23,0	23,0	15,0	39,5	21	0,860	50
5020.085.216	21,2	16	17,0	29,5	27,5	16,0	45,0	27	1,000	50
5020.085.221	28,5	21	23,5	37,0	33,5	22,0	49,0	34	2,320	25
5020.085.229	34,5	29	30,5	44,0	41,0	18,0	52,0	40	3,200	10
5020.085.236	42,5	36	36,5	52,0	63,0	20,0	69,0	49	4,500	10

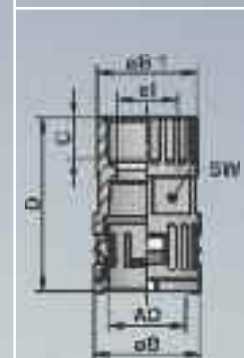
Racor de poliamida de conexión rápida con cierre interior de estanqueidad cónico, Rosca interior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type straight inner thread conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	AD	OD										
negro	ø				ø I	ø B	ø B1	C	D	SW	kg/100	St.
black					mm	mm	mm	mm	mm	mm		Pcs.
RQG3-U	UNEF								[IP 66]			
			ANSI/ASME B1.1									
5020.054.202	13,0	1/2"	(0,500)	-28	10,0	20,0	17,0	8,0	36,6	18	0,560	50
5020.054.203	13,0	5/8"	(0,625)	-24	10,0	20,0	20,6	8,0	36,6	18	0,640	50
5020.054.205	13,0	3/4"	(0,750)	-20	10,0	20,0	23,0	9,5	38,5	18	0,840	50
5020.054.204	15,8	5/8"	(0,625)	-24	12,5	23,0	23,6	9,5	40,0	21	0,810	50
5020.054.232	15,8	11/16"	(0,6875)	-24	12,5	23,0	23,6	9,5	46,0	21	1,000	50
5020.054.206	15,8	3/4"	(0,750)	-20	12,5	23,0	23,6	9,5	41,7	21	0,940	50
5020.054.225	15,8	15/16"	(0,9375)	-20	12,5	23,0	30,0	9,5	45,5	21	1,340	50
5020.054.210	15,8	1"	(1,000)	-20	12,5	23,0	30,0	9,5	45,5	21	1,340	50
5020.054.239	21,2	9/16	(0,5625)	-24	12,5	29,5	20,0	8,0	44,6	27	1,100	50
5020.054.207	21,2	5/8"	(0,625)	-24	12,5	29,5	30,1	9,5	45,0	27	1,100	50
5020.054.227	21,2	3/4"	(0,75)	-20	12,5	29,5	30,0	9,5	51,5	27	1,350	50
5020.054.208	21,2	7/8"	(0,875)	-20	17,0	29,5	29,5	9,5	50,5	27	1,480	50
5020.054.209	21,2	15/16"	(0,9375)	-20	17,0	29,5	30,1	9,5	50,3	27	1,820	50
5020.054.211	21,2	1"	(1,000)	-20	17,0	29,5	30,1	9,5	50,3	27	1,660	50
5020.054.226	21,2	1 1/8"	(1,125)	-18	17,0	29,5	33,5	9,5	52,5	27	1,740	50
5020.054.212	21,2	1 3/16"	(1,1875)	-18	17,0	29,5	34,6	9,5	52,3	27	1,700	50
5020.054.222	21,2	1 3/8"	(1,375)	-18	17,0	29,5	41,0	9,5	52,5	27	2,300	50
5020.054.215	21,2	1 7/16"	(1,4375)	-18	17,0	29,5	41,0	9,5	52,5	27	1,940	50
5020.054.219	21,2	1 3/4"	(1,750)	-18	17,0	29,5	49,0	9,5	52,5	27	2,480	50
5020.054.223	28,5	15/16"	(0,9375)	-20	17,0	37,0	37,0	9,5	52,5	34	2,320	25
5020.054.214	28,5	1"	(1,000)	-20	23,5	37,0	37,0	9,5	54,0	34	2,080	25
5020.054.213	28,5	1 3/16"	(1,1875)	-18	23,5	37,0	37,0	9,5	52,5	34	2,440	25
5020.054.216	28,5	1 3/8"	(1,375)	-18	23,5	37,0	41,0	9,5	54,0	34	2,680	25
5020.054.217	28,5	1 7/16"	(1,4375)	-18	23,5	37,0	41,0	9,5	54,0	34	2,600	25
5020.054.236	28,5	1 3/4	(1,750)	-18	23,5	37,0	49,0	9,5	54,0	34	2,300	25
5020.054.233	34,5	1"	(1,000)	-20	23,5	44,0	43,5	9,5	56,0	40	2,300	10
5020.054.234	34,5	1 3/16"	(1,1875)	-18	17,0	44,0	43,5	9,5	56,0	40	2,300	10
5020.054.224	34,5	1 3/8"	(1,375)	-18	23,5	44,0	52,0	9,5	56,0	40	3,300	10
5020.054.218	34,5	1 7/16"	(1,4375)	-18	30,5	44,0	44,0	9,5	55,0	40	2,800	10
5020.054.220	34,5	1 3/4"	(1,750)	-18	30,5	44,0	49,0	9,5	56,0	40	3,100	10
5020.054.221	34,5	2"	(2,000)	-18	30,5	44,0	55,0	9,5	56,0	40	1,320	10
5020.054.231	42,5	1 3/16"	(1,1875)	-18	23,0	52,0	52,0	9,5	56,0	48	3,100	10
5020.054.228	42,5	1 7/16"	(1,4375)	-18	30,5	52,0	52,0	9,5	57,0	48	3,100	10
5020.054.229	42,5	1 3/4"	(1,75)	-18	30,5	52,0	52,0	9,5	58,5	48	3,100	10
5020.054.238	42,5	2"	(2,000)	-18	30,5	52,0	54,5	9,5	60,0	49	4,180	10
5020.054.237	42,5	2 1/4"	(2,25)	-16	30,5	52,0	66,5	18,0	70,0	48	4,500	10
5020.054.235	54,5	2 1/4"	(2,25)	-16	49,5	64,0	66,5	18,0	70,0	60	5,000	10



Racor de poliamida de conexión rápida con conexión mediante presión con cierre interior de estanqueidad cónico

- rápido montaje sin contratuerca
- junta tórica incluida
- para grosores de pared de 1-2,5 mm
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type straight plug-type connection conically sealing

- for quick assembly without counternut
- incl. O-ring
- for wall thicknesses from 1 to 2.5 mm
- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



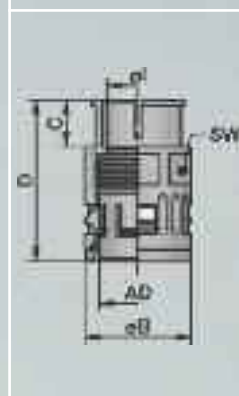
Ref.	Ref.	AD OD								
negro black	gris grey	ø	ø mm	ø I mm	ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQG1-S										[IP 66]
5020.082.207	5020.082.007	10,0	12,0	7,0	17,0	11,7	34,5	16	0,440	50
5020.382.212	5020.382.012	13,0	12,0	9,0	20,0	12,0	37,0	18	0,600	50
5020.082.209	5020.082.009	13,0	15,0	10,0	20,0	13,6	38,6	18	0,600	50
5020.382.216	5020.382.016	15,8	16,0	11,8	23,0	13,5	40,5	21	0,700	50
5020.082.211	5020.082.011	15,8	18,0	12,5	23,0	13,5	40,5	21	0,760	50
5020.382.220	5020.382.020	21,2	20,0	15,2	29,5	13,8	45,3	27	1,100	50
5020.082.216	5020.082.016	21,2	22,0	18,0	29,5	13,8	45,3	27	1,240	50
5020.082.221	5020.082.021	28,5	28,0	23,5	37,0	17,9	51,9	34	2,320	25
5020.382.225	5020.382.025	28,5	25,0	21,0	37,0	17,5	51,0	34	1,920	25
5020.082.229	5020.082.029	34,5	37,0	30,5	44,0	18,7	54,7	40	2,480	25
5020.082.236	5020.082.036	42,5	47,0	36,5	52,0	21,0	60,0	49	2,700	25
5020.382.250	5020.382.050	54,5	50,0	43,0	64,0	21,0	63,0	59	3,700	10

Racor de poliamida de conexión rápida con resistencia a la tracción para unión a tubos rígidos junta de estanqueidad

- para conectar a tubos rígidos con diámetro exterior métrica
- incluye abrazadera
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type straight connection to solid tube high sealing rate

- to connect with metric solid installation tube
- incl. conduit clamp
- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



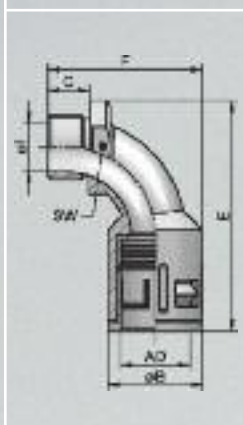
Ref.	Ref.	AD OD	Rohr AD Tube OD							
negro black	gris grey	Ø	mm	Ø I mm	Ø B mm	C mm	D mm	SW mm	kg/100	St. Pcs.
RQGST-M										
5604.015.216	5604.015.016	15,8	16,0	12,5	23,0	13,0	41,0	21	2,000	50
5604.021.220	5604.021.020	21,2	20,0	17,0	29,5	13,0	45,0	27	2,500	50
5604.028.225	5604.028.025	28,5	25,0	20,5	37,0	15,0	49,5	34	3,300	25
5604.034.232	5604.034.032	34,5	32,0	25,5	44,0	15,0	52,5	40	3,920	25
5604.042.240	5604.042.040	42,5	40,0	32,0	52,0	16,5	54,5	49	5,520	25
5604.054.250	5604.054.050	54,5	50,0	42,5	64,0	17,0	55,5	60	5,900	10

Racor arqueado de poliamida 90°
de conexión rápida
con rosca de conexión
y junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type
bend 90°
outer thread
high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQB90-M			Metr. EN 60423	[IP 68 / 69K]							
5103.010.212	5103.010.012	10,0	M 12 x 1,5	6,5	17,0	10,0	57,0	39,0	18	0,860	50
5103.013.216	5103.013.016	13,0	M 16 x 1,5	8,5	20,0	12,0	59,0	40,5	21	1,100	50
5103.015.220	5103.015.020	15,8	M 20 x 1,5	10,0	23,0	12,0	62,0	45,0	24	1,440	50
5103.021.220	5103.021.020	21,2	M 20 x 1,5	13,0	29,5	12,0	73,0	48,0	26	2,080	50
5103.021.225	5103.021.025	21,2	M 25 x 1,5	14,5	29,5	13,0	73,0	48,0	26	2,200	50
5103.028.225	5103.028.025	28,5	M 25 x 1,5	17,0	37,0	13,0	90,0	64,0	32	3,320	25
5103.028.232	5103.028.032	28,5	M 32 x 1,5	20,0	37,0	14,0	85,0	64,0	36	3,560	25
5103.034.232	5103.034.032	34,5	M 32 x 1,5	23,0	44,0	14,0	100,5	74,0	39	5,000	10
5103.034.240	5103.034.040	34,5	M 40 x 1,5	29,0	44,0	14,0	100,5	74,0	45	5,400	10
5103.042.240	5103.042.040	42,5	M 40 x 1,5	31,5	52,0	17,0	111,0	82,5	48	7,000	10
5103.042.250	5103.042.050	42,5	M 50 x 1,5	36,0	52,0	17,0	111,0	82,5	59	9,100	10
5103.054.250	5103.054.050	54,5	M 50 x 1,5	35,5	64,0	17,0	124,5	98,0	60	11,000	5
5103.054.263	5103.054.063	54,5	M 63 x 1,5	45,5	64,0	17,0	124,5	97,0	70	10,000	5
RQB90-P			PG DIN 40430	[IP 68 / 69K]							
5020.090.207		10,0	7	6,5	17,0	10,0	57,0	39,0	18	0,880	50
5020.090.209		13,0	9	8,5	20,0	12,0	59,0	40,5	21	1,000	50
5020.090.211		15,8	11	10,0	23,0	12,0	62,0	45,0	24	1,300	50
5020.090.213		18,5	13,5	12,5	25,0	12,0	65,0	47,0	27	1,700	50
5020.090.216		21,2	16	14,5	29,5	13,0	73,0	48,0	26	2,060	50
5020.090.221		28,5	21	20,0	37,0	14,0	85,0	64,0	36	3,320	25
5020.090.229		34,5	29	29,0	44,0	14,0	100,5	74,0	46	5,200	10
5020.090.236		42,5	36	36,0	52,0	17,0	111,0	82,5	58	8,800	10
5020.090.248		54,5	48	45,5	64,0	17,0	124,5	97,0	70	11,600	5

Racor arqueado de poliamida 90° de conexión rápida, con rosca de latón de conexión con cierre de estanqueidad

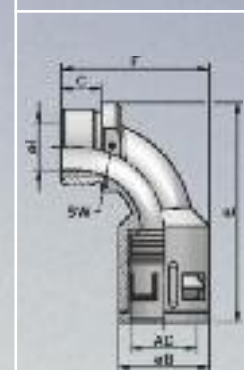
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado

Plastic connector, quick-type bend 90° outer thread made of nickel-plated brass high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection

Ref.	AD OD									
negro black	ø	ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.	
RQBK90-M		Metr. EN 60423		[IP 68 / 69K]						
5105.010.212	10,0	M 12	6,5	17,0	10,0	57,0	39,0	18	1,480	50
5105.013.216	13,0	M 16	8,5	20,0	12,0	59,0	40,5	21	1,400	50
5105.015.220	15,8	M 20	10,0	23,0	12,0	62,0	45,0	24	2,400	50
5105.021.220	21,2	M 20	13,0	29,5	12,0	73,0	48,0	26	3,000	50
5105.021.225	21,2	M 25	14,5	29,5	13,0	73,0	48,0	26	3,500	50
5105.028.225	28,5	M 25	17,0	37,0	13,0	90,0	64,0	32	4,840	25
5105.028.232	28,5	M 32	20,0	37,0	14,0	85,0	64,0	36	6,040	25
5105.034.232	34,5	M 32	23,0	44,0	14,0	100,5	74,0	39	8,000	10
5105.034.240	34,5	M 40	29,0	44,0	14,0	100,5	74,0	45	8,000	10
5105.042.240	42,5	M 40	31,5	52,0	17,0	111,0	82,5	48	16,500	10
5105.042.250	42,5	M 50	36,0	52,0	17,0	111,0	82,5	59	16,500	10
5105.054.250	54,5	M 50	35,5	64,0	17,0	124,5	98,0	60	19,000	5
5105.054.263	54,5	M 63	45,5	64,0	17,0	124,5	98,0	60	22,500	5
RQBK90-P		PG DIN 40430		[IP 68 / 69K]						
5020.088.207	10,0	7	6,5	17,0	10,0	57,0	39,0	18	1,340	50
5020.088.209	13,0	9	8,5	20,0	12,0	59,0	40,5	21	1,920	50
5020.088.211	15,8	11	10,0	23,0	12,0	62,0	45,0	24	2,640	50
5020.088.213	18,5	13,5	12,5	25,0	12,0	65,0	47,0	27	2,860	50
5020.088.216	21,2	16	14,5	29,5	13,0	73,0	48,0	26	3,080	50
5020.088.221	28,5	21	20,0	37,0	14,0	85,0	64,0	36	5,760	25
5020.088.229	34,5	29	29,0	44,0	14,0	100,5	74,0	46	8,800	10
5020.088.236	42,5	36	36,0	52,0	17,0	111,0	82,5	58	14,800	10
5020.088.248	54,5	48	45,5	64,0	17,0	124,5	97,0	70	21,800	5
RQBK90-N		NPT ANSI/ASME B1.20.1		[IP 68 / 69K]						
5020.022.205 *	15,8	1/2"	10,0	23,0	12,0	62,0	45,0	24	3,000	50
5020.022.206 *	21,2	1/2"	13,0	29,5	12,0	73,0	48,0	26	3,000	50
5020.022.214 *	28,5	3/4"	17,0	37,0	14,0	85,0	64,0	22	5,100	25
5020.022.216 *	34,5	1"	24,5	44,0	14,0	100,5	74,0	31	8,000	10
5020.022.217 *	42,5	1 1/4"	31,5	52,0	17,0	111,0	82,5	36	12,000	10
5020.022.209 *	54,5	1 1/2"	37,5	64,0	17,0	124,5	97,0	60	18,000	5
5020.022.210 *	54,5	2"	45,5	64,0	17,0	124,5	97,0	70	18,300	5

* Plazo bajo demanda
* Delivery time on request

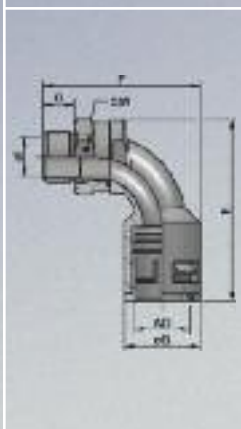


Racor arqueado giratorio de poliamida 90° de conexión rápida rosca exterior de latón y junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado
- giratorio

Plastic connector, quick-type bend 90° turnable outer thread made of nickel-plated brass, high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection
- swiveling also after installation



Ref.	AD OD									
negro black	ø		ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQBK90DR-M		Metr. EN 60423							[IP 68 / 69K]	
5121.021.220	21,2	M 20 x 1,5	13,0	29,5	12,0	72,0	62,0	27	6,200	50
5121.028.225	28,5	M 25 x 1,5	17,0	37,0	13,0	90,0	80,0	34	11,160	25
5121.034.232	34,5	M 32 x 1,5	24,5	44,0	14,0	100,0	91,0	43	16,500	10
5121.042.240	42,5	M 40 x 1,5	31,5	52,0	17,0	111,0	103,0	52	28,400	10
RQBK90DR-P		PG DIN 40430							[IP 68 / 69K]	
5521.021.216	21,2	16	13,0	29,5	13,0	72,0	62,0	27	6,220	50
5521.028.221	28,5	21	17,0	37,0	14,0	85,0	79,0	34	11,000	25
5521.034.229	34,5	29	24,5	44,0	14,0	100,0	91,0	43	16,000	10
5521.042.236	42,5	36	31,5	52,0	17,0	110,0	103,0	52	32,900	10
RQBK90DR-N		NPT ANSI/ASME B1.20.1							[IP 68 / 69K]	
5020.019.206*	21,2	1/2"	13,0	29,5	14,0	73,0	65,0	27	7,100	50
5020.019.214*	28,5	3/4"	17,0	37,0	14,0	90,0	81,5	34	12,000	25
5020.019.216*	34,5	1"	24,5	44,0	18,0	100,0	95,0	43	17,400	10
5020.019.217*	42,5	1 1/4"	31,5	52,0	18,0	111,0	105,0	52	30,500	10

* Plazo bajo demanda
* Delivery time on request

Racor arqueado de poliamida
90° de conexión rápida
con cierre interior de estanqueidad
cónico, Rosca exterior

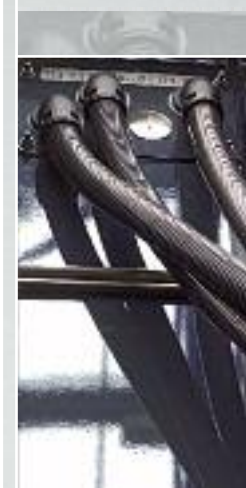
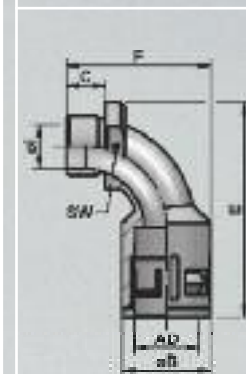
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type
bend 90°
outer thread
conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD									
negro black	gris* grey*	Ø		Ø I mm	Ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQB1 90-M										[IP 66]	
Metr. EN 60423											
5104.010.212	5104.010.012	10,0	M 12 x 1,5	6,5	17,0	10,0	57,0	39,0	18	0,860	50
5104.013.216	5104.013.016	13,0	M 16 x 1,5	8,5	20,0	12,0	59,0	40,5	21	1,100	50
5104.015.220	5104.015.020	15,8	M 20 x 1,5	10,0	23,0	12,0	62,0	45,0	24	1,460	50
5104.021.220	5104.021.020	21,2	M 20 x 1,5	13,0	29,5	12,0	73,0	48,0	26	2,120	50
5104.021.225	5104.021.025	21,2	M 25 x 1,5	14,5	29,5	13,0	73,0	48,0	26	2,000	50
5104.028.225	5104.028.025	28,5	M 25 x 1,5	17,0	37,0	13,0	90,0	64,0	32	3,440	25
5104.028.232	5104.028.032	28,5	M 32 x 1,5	20,0	37,0	14,0	85,0	64,0	36	3,520	25
5104.034.232	5104.034.032	34,5	M 32 x 1,5	23,0	44,0	14,0	100,5	74,0	39	5,100	10
5104.034.240	5104.034.040	34,5	M 40 x 1,5	29,0	44,0	14,0	100,5	74,0	45	5,400	10
5104.042.240	5104.042.040	42,5	M 40 x 1,5	31,5	52,0	17,0	111,0	82,5	48	6,900	10
5104.042.250	5104.042.050	42,5	M 50 x 1,5	36,0	52,0	17,0	111,0	82,5	59	9,000	10
5104.054.250	5104.054.050	54,5	M 50 x 1,5	35,5	64,0	17,0	124,5	98,0	60	11,000	5
5104.054.263	5104.054.063	54,5	M 63 x 1,5	45,5	64,0	17,0	124,5	97,0	70	12,200	5
RQB1 90-P										[IP 66]	
PG DIN 40430											
5020.097.207		10,0	7	6,5	17,0	10,0	57,0	39,0	18	0,840	50
5020.097.209		13,0	9	8,5	20,0	12,0	59,0	40,5	21	1,120	50
5020.097.211		15,8	11	10,0	23,0	12,0	62,0	45,0	24	1,460	50
5020.097.213		18,5	13,5	12,5	25,0	12,0	65,0	47,0	27	1,720	50
5020.097.216		21,2	16	14,5	29,5	13,0	73,0	48,0	26	2,080	50
5020.097.221		28,5	21	20,0	37,0	14,0	85,0	64,0	36	3,320	25
5020.097.229		34,5	29	29,0	44,0	14,0	100,5	74,0	46	5,300	10
5020.097.236		42,5	36	36,0	52,0	17,0	111,0	82,5	58	8,600	10
5020.097.248		54,5	48	45,5	64,0	17,0	124,5	97,0	70	11,600	5

* gris - Plazo bajo demanda
* grey - Delivery time on request



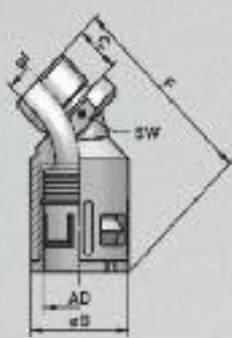
Racor arqueado de poliamida 45° de conexión rápida, con rosca de conexión exterior y cierre interior de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type bend 45° outer thread high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQB45-M		Metr. EN 60423		[IP 68 / 69K]							
5100.010.212	5100.010.012	10,0	M 12	6,5	17,0	10,0	39,0	45,0	18	0,680	50
5100.013.216	5100.013.016	13,0	M 16	8,5	20,0	12,0	42,5	48,0	21	0,800	50
5100.015.220	5100.015.020	15,8	M 20	10,0	23,0	12,0	44,5	52,5	24	1,300	50
5100.021.220	5100.021.020	21,2	M 20	13,0	29,5	12,0	55,0	60,0	26	1,700	50
5100.021.225	5100.021.025	21,2	M 25	14,5	29,5	13,0	56,0	60,0	26	2,900	50
5100.028.225	5100.028.025	28,5	M 25	17,0	37,0	13,0	64,0	72,0	32	2,640	25
5100.028.232	5100.028.032	28,5	M 32	20,0	37,0	14,0	64,0	75,0	36	2,900	25
5100.034.232	5100.034.032	34,5	M 32	23,0	44,0	14,0	73,5	76,0	39	4,000	10
5100.034.240	5100.034.040	34,5	M 40	29,0	44,0	14,0	73,5	77,0	45	4,200	10
5100.042.240	5100.042.040	42,5	M 40	31,5	52,0	17,0	82,5	86,0	48	5,500	10
5100.042.250	5100.042.050	42,5	M 50	36,0	52,0	17,0	82,5	86,0	58	6,500	10
5100.054.250	5100.054.050	54,5	M 50	35,5	64,0	17,0	92,0	95,0	58	8,500	5
5100.054.263	5100.054.063	54,5	M 63	45,5	64,0	17,0	97,0	100,0	69	9,200	5
RQB45-P		PG DIN 40430		[IP 68 / 69K]							
5020.089.207		10,0	7	6,5	17,0	10,0	39,0	45,0	18	0,660	50
5020.089.209		13,0	9	8,5	20,0	12,0	42,5	48,0	21	0,800	50
5020.089.211		15,8	11	10,0	23,0	12,0	44,5	52,5	24	1,220	50
5020.089.213		18,5	13,5	12,5	25,0	12,0	49,0	59,0	27	1,420	50
5020.089.216		21,2	16	14,5	29,5	13,0	56,0	60,0	26	1,700	50
5020.089.221		28,5	21	20,0	37,0	14,0	64,0	75,0	36	2,900	25
5020.089.229		34,5	29	29,0	44,0	14,0	73,5	77,0	45	4,000	10
5020.089.236		42,5	36	36,0	52,0	17,0	82,5	86,0	58	6,500	10
5020.089.248		54,5	48	45,5	64,0	17,0	97,0	100,0	70	8,500	5
RQB45-N		NPT ANSI/ASME B1.20.1		[IP 68 / 69K]							
5020.017.205		15,8	1/2"	10,0	23,0	12,0	44,5	52,5	24	1,280	50
5020.017.206		21,2	1/2"	14,5	29,5	12,0	55,0	60,0	26	1,780	50
5020.017.214		28,5	3/4"	20,0	37,0	13,0	67,0	70,0	32	2,680	25
5020.017.216		34,5	1"	25,0	44,0	14,0	73,5	75,0	39	4,200	10
5020.017.215		34,5	1 1/4"	30,0	44,0	14,0	73,5	77,0	45	4,500	10
5020.017.208		42,5	1 1/2"	38,0	52,0	17,0	82,5	86,0	58	6,300	10
5020.017.217		42,5	1 1/4"	39,0	52,0	17,0	82,5	100,0	48	9,300	10
5020.017.209		54,5	1 1/2"	37,5	64,0	17,0	97,0	100,0	59	9,800	5
5020.017.210		54,5	2"	45,5	64,0	17,0	97,0	100,0	70	9,400	5



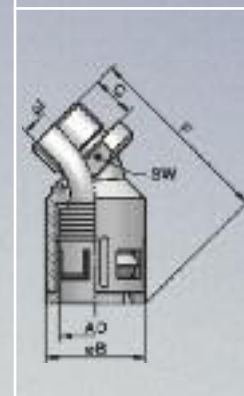
Racor arqueado de poliamida 45° de conexión rápida, con rosca de conexión de latón y junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos
- gran capacidad de carga
- resistente a los impactos
- par de torsión elevado

Plastic connector, quick-type bend 45° outer thread made of nickel-plated brass high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- fit for high mechanical stress
- impact-resistant
- high torque of thread connection

Ref.	AD OD									
negro black	ø		ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQBK45-M		Metr. EN 60423	[IP 68 / 69K]							
5102.010.212	10,0	M 12 x 1,5	6,5	17,0	10,0	39,0	45,0	18	1,140	50
5102.013.216	13,0	M 16 x 1,5	8,5	20,0	12,0	42,5	48,0	21	1,760	50
5102.015.220	15,8	M 20 x 1,5	10,0	23,0	12,0	44,5	52,5	24	1,700	50
5102.021.220	21,2	M 20 x 1,5	13,0	29,5	12,0	55,0	60,0	26	2,540	50
5102.021.225	21,2	M 25 x 1,5	14,5	29,5	13,0	56,0	60,0	26	3,800	50
5102.028.225	28,5	M 25 x 1,5	17,0	37,0	13,0	64,0	72,0	32	4,520	25
5102.028.232	28,5	M 32 x 1,5	20,0	37,0	14,0	64,0	75,0	37	5,640	25
5102.034.232	34,5	M 32 x 1,5	23,0	44,0	14,0	73,5	76,0	39	6,700	10
5102.034.240	34,5	M 40 x 1,5	29,0	44,0	14,0	73,5	77,0	46	9,000	10
5102.042.240	42,5	M 40 x 1,5	31,5	52,0	17,0	82,5	86,0	48	8,700	10
5102.042.250	42,5	M 50 x 1,5	36,0	52,0	17,0	82,5	86,0	59	16,500	10
5102.054.250	54,5	M 50 x 1,5	35,5	64,0	17,0	92,0	95,0	59	17,400	5
5102.054.263	54,5	M 63 x 1,5	45,5	64,0	17,0	97,0	100,0	69	22,500	5
RQBK45-P		PG DIN 40430	[IP 68 / 69K]							
5020.087.207	10,0	7	6,5	17,0	10,0	39,0	45,0	18	1,000	50
5020.087.209	13,0	9	8,5	20,0	12,0	42,5	48,0	21	1,700	50
5020.087.211	15,8	11	10,0	23,0	12,0	44,5	52,5	24	2,300	50
5020.087.213	18.5	13,5	12,5	25,0	12,0	49,0	59,0	27	2,620	50
5020.087.216	21,2	16	14,5	29,5	13,0	56,0	60,0	26	2,860	50
5020.087.221	28,5	21	20,0	37,0	14,0	64,0	75,0	36	5,360	25
5020.087.229	34,5	29	29,0	44,0	14,0	73,5	77,0	45	7,700	10
5020.087.236	42,5	36	36,0	52,0	17,0	82,5	86,0	58	12,300	10
5020.087.248	54,5	48	45,5	64,0	17,0	97,0	100,0	70	18,000	5

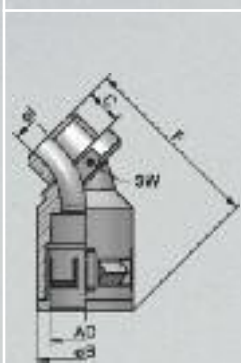


Racor arqueado de poliamida 45° de conexión rápida, con cierre interior de estanqueidad cónico, rosca exterior

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type bend 45° outer thread conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen



Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	C mm	E mm	F mm	SW mm	kg/100	St. Pcs.
RQB1 45-M		Metr. EN 60423								[IP 66]	
5101.010.212	5101.010.012*	10,0	M 12 x 1,5	6,5	17,0	10,0	39,0	45,0	18	0,600	50
5101.013.216	5101.013.016*	13,0	M 16 x 1,5	8,5	20,0	12,0	42,5	48,0	21	0,920	50
5101.015.220	5101.015.020*	15,8	M 20 x 1,5	10,0	23,0	12,0	44,5	52,5	24	1,100	50
5101.021.220	5101.021.020*	21,2	M 20 x 1,5	13,0	29,5	12,0	55,0	60,0	26	1,760	50
5101.021.225	5101.021.025*	21,2	M 25 x 1,5	14,5	29,5	13,0	56,0	60,0	26	2,000	50
5101.028.225	5101.028.025*	28,5	M 25 x 1,5	17,0	37,0	13,0	64,0	72,0	32	2,900	25
5101.028.232	5101.028.032*	28,5	M 32 x 1,5	20,0	37,0	14,0	64,0	75,0	36	3,200	25
5101.034.232	5101.034.032*	34,5	M 32 x 1,5	23,0	44,0	14,0	73,5	76,0	39	3,900	10
5101.034.240	5101.034.040*	34,5	M 40 x 1,5	29,0	44,0	14,0	73,5	77,0	45	4,300	10
5101.042.240	5101.042.040*	42,5	M 40 x 1,5	31,5	52,0	17,0	82,5	86,0	48	5,600	10
5101.042.250	5101.042.050*	42,5	M 50 x 1,5	36,0	52,0	17,0	82,5	86,0	58	6,700	10
5101.054.250	5101.054.050*	54,5	M 50 x 1,5	35,5	64,0	17,0	92,0	95,0	58	9,200	5
5101.054.263	5101.054.063*	54,5	M 63 x 1,5	45,5	64,0	17,0	97,0	100,0	69	10,000	5
RQB1 45-P		PG DIN 40430								[IP 66]	
5020.096.207		10,0	7	6,5	17,0	10,0	39,0	45,0	18	0,660	50
5020.096.209		13,0	9	8,5	20,0	12,0	42,5	48,0	21	0,900	50
5020.096.211		15,8	11	10,0	23,0	12,0	44,5	52,5	24	1,100	50
5020.096.213		18,5	13,5	12,5	25,0	12,0	49,0	59,0	27	1,460	50
5020.096.216		21,2	16	14,5	29,5	13,0	56,0	60,0	26	1,860	50
5020.096.221		28,5	21	20,0	37,0	14,0	64,0	75,0	36	2,960	25
5020.096.229		34,5	29	29,0	44,0	14,0	73,5	77,0	45	4,000	10
5020.096.236		42,5	36	36,0	52,0	17,0	82,5	86,0	58	6,500	10
5020.096.248		54,5	48	45,5	64,0	17,0	97,0	100,0	70	9,600	5
RQB1 45-N		NPT ANSI/ASME B1.20.1								[IP 66]	
5701.015.205		15,8	1/2"	10,0	23,0	12,0	44,5	52,5	24	1,100	50
5701.021.205		21,2	1/2"	14,5	29,5	12,0	55,0	60,0	26	1,700	50
5701.028.214		28,5	3/4"	20,0	37,0	13,0	67,0	70,0	32	2,900	25
5701.034.210		34,5	1"	30,0	44,0	14,0	73,5	75,0	39	4,200	10
5701.042.217		42,5	1 1/4"	39,0	52,0	17,0	82,5	100,0	48	9,900	10
5701.054.209		54,5	1 1/2"	37,5	64,0	17,0	97,0	100,0	59	12,900	5

* Plazo bajo demanda
* Delivery time on request

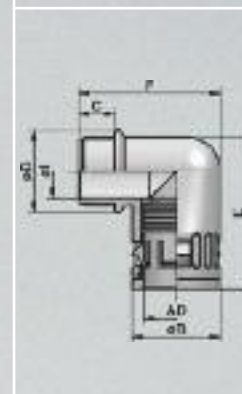
Racor acodado de poliamida 90°
de conexión rápida
con rosca exterior
y cierre interior de estanqueidad

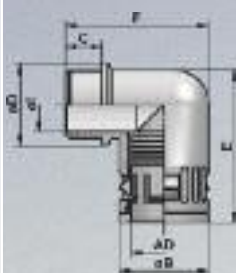
- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type
elbow 90°
outer thread
high sealing rate

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	C mm	E mm	F mm	ø D mm	kg/100	St. Pcs.
RQW-M		Metr. EN 60423								[IP 68]	
5020.064.210	5020.064.010	10,0	M 10 x 1,0	6,0	17,0	12,0	33,5	34,5	16,0	0,600	50
5020.064.212	5020.064.012	13,0	M 12 x 1,5	8,0	20,0	10,0	36,0	34,0	20,0	0,760	50
5020.036.216	5020.036.016	13,0	M 16 x 1,5	12,0	20,0	12,0	36,0	36,5	20,0	0,720	50
5020.064.216	5020.064.016	15,8	M 16 x 1,5	12,0	23,0	12,0	42,0	40,5	24,5	1,080	50
5020.036.220	5020.036.020	15,8	M 20 x 1,5	15,5	23,0	13,0	42,0	41,5	24,5	1,060	50
5020.064.220	5020.064.020	21,2	M 20 x 1,5	14,8	29,5	13,0	50,0	49,0	27,0	2,000	50
5020.036.225	5020.036.025	21,2	M 25 x 1,5	18,0	29,5	13,0	50,0	49,0	29,5	1,940	50
5020.064.225	5020.064.025	28,5	M 25 x 1,5	18,0	37,0	13,0	57,0	57,0	34,0	3,120	25
5020.036.232	5020.036.032	28,5	M 32 x 1,5	24,0	37,0	15,0	57,0	59,0	37,0	3,040	25
5020.064.232	5020.064.032	34,5	M 32 x 1,5	24,0	44,0	15,0	67,5	65,0	43,0	4,800	10
5020.036.240	5020.036.040	34,5	M 40 x 1,5	32,0	44,0	15,0	67,5	67,0	45,0	4,400	10
5020.064.240	5020.064.040	42,5	M 40 x 1,5	32,0	52,0	15,0	83,0	72,0	51,5	7,000	10
5020.036.250	5020.036.050	42,5	M 50 x 1,5	39,0	52,0	15,5	83,0	74,5	55,0	7,300	10
5020.064.250	5020.064.050	54,5	M 50 x 1,5	39,0	64,0	15,0	94,0	84,0	64,0	11,400	5
5020.036.263	5020.036.063	54,5	M 63 x 1,5	53,0	64,0	16,0	94,0	85,5	68,0	10,800	5
RQW-P		PG DIN 40430								[IP 68]	
5020.028.207	5020.028.007	10,0	7	7,0	17,0	9,5	34,0	33,0	16,0	0,560	50
5020.028.209	5020.028.009	13,0	9	12,0	20,0	10,0	37,0	34,0	20,0	0,680	50
5020.029.211	5020.029.011	13,0	11	14,0	20,0	10,0	39,0	34,0	23,0	0,780	50
5020.029.213	5020.029.013	13,0	13,5	15,5	20,0	10,0	41,0	35,0	25,0	0,860	50
5020.028.211	5020.028.011	15,8	11	15,5	23,0	10,0	42,0	37,5	24,5	1,000	50
5020.028.213	5020.028.013	18,5	13,5	13,5	26,5	13,0	46,0	47,0	27,0	1,400	50
5020.028.216	5020.028.016	21,2	16	18,0	29,5	13,0	50,0	48,0	27,0	1,800	50
5020.028.221	5020.028.021	28,5	21	24,0	37,0	13,0	58,0	56,0	34,0	2,840	25
5020.028.229	5020.028.029	34,5	29	32,0	44,0	15,0	67,5	65,0	43,0	4,200	10
5020.028.236	5020.028.036	42,5	36	36,5	52,0	15,0	83,0	72,0	51,5	7,200	10
5020.028.248	5020.028.048	54,5	48	48,5	64,0	16,0	96,0	84,0	65,0	10,200	5





**Racor acodado de poliamida 90°
de conexión rápida,
con rosca exterior
y cierre interior de estanqueidad**

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y los disolventes
- libre de silicona, cadmio y halógenos

**Plastic connector, quick-type
elbow 90°
outer thread
high sealing rate**

- resistant against oil and benzene
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	AD OD										
negro black	ø			ø I mm	ø B mm	C mm	E mm	F mm	ø D mm	kg/100	St. Pcs.
RQW-C		CTG JIS B 0204	Whitworth DIN ISO 228-1							[IP 68]	
5020.053.201	13,0	G 16	1/2"	15,0	20,0	14,0	40,0	40,0	27,0	0,980	50
5020.053.202	15,8	G 16	1/2"	15,0	23,0	14,0	42,0	43,0	27,0	1,120	50
5020.053.203	21,2	G 16	1/2"	15,0	29,5	13,0	51,0	49,0	27,0	2,000	50
5020.053.204	28,5	G 22	3/4"	20,5	37,0	13,0	57,0	57,0	34,0	3,000	25
5020.053.205	34,5	G 28	1"	25,0	44,0	16,0	67,5	66,5	43,0	4,900	10
5020.053.206	42,5	G 36	1 1/4"	35,0	52,0	18,0	83,0	76,0	52,0	7,500	10
5020.053.207	54,5	G 54	2"	52,0	64,0	18,0	96,0	89,5	66,0	10,200	5
RQW-N			NPT ANSI/ASME B1.20.1							[IP 68]	
5020.057.201	10,0		1/4"	8,5	17,0	10,0	34,0	33,0	16,0	0,400	50
5020.057.202	13,0		1/4"	10,0	20,0	10,5	36,0	35,0	20,0	0,600	50
5020.057.204	15,8		3/8"	12,5	23,0	12,0	42,0	40,5	24,5	0,800	50
5020.057.205	15,8		1/2"	16,0	26,0	11,0	42,0	40,5	26,0	1,100	50
5020.057.206	21,2		1/2"	16,0	29,5	13,0	51,0	48,5	27,0	1,880	50
5020.039.221	28,5		3/4"	21,0	37,0	14,0	57,5	57,0	34,0	3,040	25
5020.039.228	34,5		1"	28,0	44,0	16,0	67,5	66,0	43,0	4,800	10
5020.057.207	42,5		1 1/4"	35,0	52,0	18,0	83,0	76,0	52,0	5,200	10
5020.057.208	42,5		1 1/2"	36,5	54,0	16,5	83,0	76,0	56,0	5,500	10
5020.057.209	54,5		1 1/2"	41,0	64,0	18,0	95,0	87,0	64,5	14,000	5
5020.057.210	54,5		2"	52,0	66,0	21,0	100,0	90,0	65,0	14,800	5

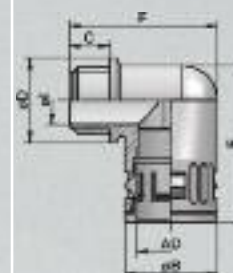
Racor de poliamida 90° de conexión rápida con rosca exterior y junta de estanqueidad

- resistente al aceite y a la gasolina
- altamente resistente a los ácidos y los disolventes
- libre de silicona, cadmio y halógenos

Plastic connector, quick-type elbow 90° outer thread conically sealing

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD OD									
negro black	gris grey	ø		ø I mm	ø B mm	C mm	E mm	F mm	ø D mm	kg/100	St. Pcs.
RQW1-M		Metr. EN 60423								[IP 66]	
5020.051.210	5020.051.010	10,0	M 10 x 1,0	6,0	17,0	12,0	33,5	34,5	16,0	0,400	50
5020.051.212	5020.051.012	13,0	M 12 x 1,5	8,0	20,0	10,0	36,0	34,0	20,0	0,780	50
5020.051.216	5020.051.016	13,0	M 16 x 1,5	12,0	20,0	12,0	36,0	36,5	20,0	0,720	50
5020.051.218	5020.051.018	15,8	M 16 x 1,5	12,0	23,0	12,0	42,0	40,5	24,5	1,120	50
5020.051.220	5020.051.020	15,8	M 20 x 1,5	15,5	23,0	13,0	42,0	41,5	24,5	1,100	50
5020.051.219	5020.051.019	18,5	M 20 x 1,5	13,5	26,5	13,0	46,0	47,0	27,0	1,600	50
5020.051.222	5020.051.022	21,2	M 20 x 1,5	14,8	29,5	13,0	50,0	49,0	27,0	2,020	50
5020.051.225	5020.051.025	21,2	M 25 x 1,5	18,0	29,5	13,0	50,0	49,0	29,5	1,980	50
5020.051.228	5020.051.028	28,5	M 25 x 1,5	18,0	37,0	13,0	57,0	57,0	34,0	3,080	25
5020.051.232	5020.051.032	28,5	M 32 x 1,5	24,0	37,0	15,0	57,0	59,0	37,0	3,040	25
5020.051.234	5020.051.034	34,5	M 32 x 1,5	24,0	44,0	15,0	67,5	65,0	43,0	4,900	10
5020.051.240	5020.051.040	34,5	M 40 x 1,5	32,0	44,0	15,0	67,5	67,0	45,0	4,400	10
5020.051.242	5020.051.042	42,5	M 40 x 1,5	32,0	52,0	15,0	83,0	72,0	51,5	7,300	10
5020.051.250	5020.051.050	42,5	M 50 x 1,5	39,0	52,0	15,5	83,0	74,5	55,0	7,300	10
5020.051.254	5020.051.054	54,5	M 50 x 1,5	39,0	64,0	15,0	94,0	84,0	64,0	11,200	5
5020.051.263	5020.051.063	54,5	M 63 x 1,5	53,0	64,0	16,0	94,0	85,5	68,0	10,600	5
RQW1-P		PG DIN 40430								[IP 66]	
5020.050.207	5020.050.007	10,0	7	7,0	17,0	10,0	34,0	33,0	16,0	0,560	50
5020.050.209	5020.050.009	13,0	9	12,0	20,0	10,0	37,0	34,0	20,0	0,700	50
5020.050.211	5020.050.011	15,8	11	15,5	23,0	10,0	42,0	37,5	24,5	1,040	50
5020.050.213	5020.050.013	18,5	13,5	13,5	26,5	13,0	46,0	47,0	27,0	1,400	50
5020.050.216	5020.050.016	21,2	16	18,0	29,5	13,0	50,0	48,0	27,0	1,860	50
5020.050.221	5020.050.021	28,5	21	24,0	37,0	13,0	58,0	56,0	34,0	2,800	25
5020.050.229	5020.050.029	34,5	29	32,0	44,0	15,0	67,5	65,0	43,0	4,200	10
5020.050.236	5020.050.036	42,5	36	36,5	52,0	15,0	83,0	72,0	51,5	7,200	10
5020.050.248	5020.050.048	54,5	48	48,5	64,0	16,0	96,0	84,0	65,0	10,200	5
RQW1-N		NPT ANSI/ASME B1.20.1								[IP 66]	
5727.015.204		15,8	1/2"	16,0	26,0	11,0	42,0	40,5	26,0	1,100	50
5727.021.205		21,2	1/2"	16,0	29,5	13,0	51,0	48,5	27,0	1,600	50
5727.028.214		28,5	3/4"	21,0	37,0	14,0	57,5	57,0	34,0	2,800	25
5727.034.210		34,5	1"	28,0	44,0	16,0	67,5	66,0	43,0	5,600	10
5727.042.207		42,5	1 1/4"	35,0	52,0	18,0	83,0	76,0	52,0	5,100	10
5727.054.209		54,5	1 1/2"	41,0	64,0	18,0	95,0	87,0	64,5	6,700	5





Racor metálico, recto, rosca externa, para aplicaciones EMC
incluye junta especial, anillo de latón y junta tórica en rosca de conexión, para ROHRflex PA 6-CU

Material

Cuerpo del racor	Latón niquelado
Anillo	Latón
Junta	TPE
Cabeza del racor	Latón niquelado
Junta tórica	NBR

Estructura

Racor con llave hexagonal, rosca métrica, cabeza hexagonal, anillo de latón, junta interior [TPE] y junta tórica

Propiedades

- altamente estanco al agua y al polvo
- cierre del tubo con fricción y rosca
- terminaciones de tubos cubiertos
- apantallamiento óptimo con alto grado de estanqueidad

Importante

Para usos EMC, ver instrucciones de montaje.

Metal connector, safety-type straight, outer thread for EMC applications
incl. special sealing, brass thrust collar and O-ring for ROHRflex PA 6-CU

Material

Connector body	nickel-plated brass
thrust collar	brass
Sealing	TPE
Pressure nut	nickel-plated brass
O-Ring	NBR

Structure

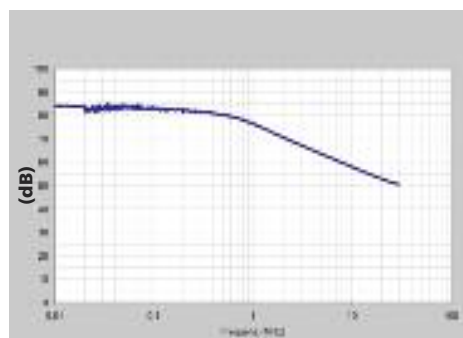
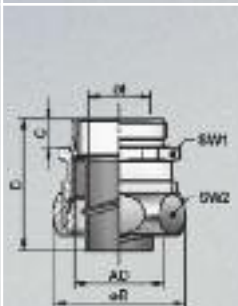
Connector body with hexagonal wrench surface, fixed connecting thread metric, hexagonal pressure nut, brass thrust collar, sealing [TPE] and O-ring

Properties

- highly watertight and dustproof
- friction-type locking of conduit and screw connector
- covered conduit ends
- optimal shielding with high sealing rate

Important

For EMC-usage please see assembly instructions.



Atenuación de apantallamiento del ROHRflex PA 6-CU
Screening attenuation ROHRflex PA 6-CU

Ref.	AD OD										
	Ø			Ø I mm	Ø B mm	C mm	D mm	SW mm	SW mm	kg/100	St. Pcs.
RGE-M		Metr. EN 60423									[IP 68]
5126.013.012*	13,0	M 12 x 1,5	10,0 x 14,0	10,0	23,0	10,0	33,0	19	21	2,250	10
5126.015.016*	15,8	M 16 x 1,5	12,0 x 17,0	12,0	27,0	10,0	33,0	23	25	3,000	10
5126.021.020*	21,2	M 20 x 1,5	16,0 x 23,0	16,5	31,0	10,0	33,0	27	29	4,000	10
5126.034.032*	34,5	M 32 x 1,5	27,5 x 36,0	27,5	48,0	13,0	43,0	43	45	10,100	10
5126.042.040*	42,5	M 40 x 1,5	35,5 x 44,0	35,5	57,0	13,0	43,0	52	54	13,000	10
5126.054.050*	54,5	M 50 x 1,5	47,0 x 56,0	47,0	70,0	14,0	49,0	63	66	20,000	10
* Plazo bajo demanda											
* Delivery time on request											

* Plazo bajo demanda

* Delivery time on request

🌡 -40°C ... +120°C, ^ +150°C RQE

🌡 -40°C ... +115°C RQA

RQE
RQA

Capuchón de plástico para los extremos del tubo para transición de tubo a cable

Material [TPE]

Aplicación

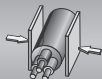
Terminal para tubo, montaje mediante su simple introducción

End cap / transition from tubing to cable

Material plastic [TPE]

Applicatio

Rational tubing end, assembled by just putting on

Ref.	Ref.	AD OD				
negro black	gris grey	ø	min ø - max ø mm	D mm	kg/100	St. Pcs.
RQE						
5030.012.207	5030.012.007	10,0	1,0 - 8,0	29,0	0,160	50
5030.012.209	5030.012.009	13,0	1,0 - 10,0	29,0	0,220	50
5030.012.211	5030.012.011	15,8	4,0 - 12,0	36,0	0,320	50
5030.012.213	5030.012.013	18,5	4,0 - 13,0	37,5	0,520	50
5030.012.216	5030.012.016	21,2	6,0 - 16,5	37,0	0,560	50
5030.012.221	5030.012.021	28,5	6,0 - 23,0	40,0	0,800	25
5030.012.229	5030.012.029	34,5	6,0 - 29,0	44,0	0,960	25
5030.012.236	5030.012.036	42,5	10,0 - 37,0	46,0	1,480	25
5030.012.248	5030.012.048	54,5	10,0 - 47,0	53,0	2,300	10

Protector terminal

Material Poliamida [PA]
Propiedades V0 conforme a UL 94

Aplicación

Para la protección del cable, instalable en todos los tubos ROHRflex®

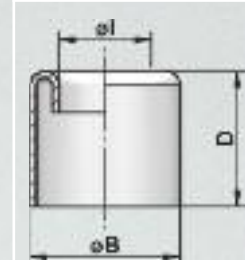
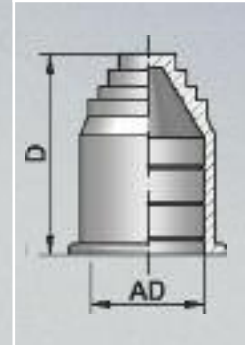
Terminal sleeve

Material plastic [PA]
Properties V0 acc. to UL 94

Application

For cable protection, attachable on all ROHRflex®-tubings

Ref.	Ref.	AD OD						
negro black	gris grey	ø	ø I mm	ø B mm	D mm	kg/100	St. Pcs.	
RQA								
5030.021.207	5030.021.007	10,0	4,3	12,0	20,0	0,104	50	
5030.021.209	5030.021.009	13,0	7,8	15,0	20,0	0,140	50	
5030.021.211	5030.021.011	15,8	10,3	17,8	20,0	0,160	50	
5030.021.213	5030.021.013	18,5	12,1	20,5	21,0	0,240	50	
5030.021.216	5030.021.016	21,2	14,3	23,2	21,0	0,220	50	
5030.021.221	5030.021.021	28,5	20,8	30,5	22,0	0,320	25	
5030.021.229	5030.021.029	34,5	26,8	36,5	22,0	0,400	25	
5030.021.236	5030.021.036	42,5	33,8	44,5	25,0	0,640	25	
5030.021.248	5030.021.048	54,5	45,8	56,5	25,0	0,800	10	



3

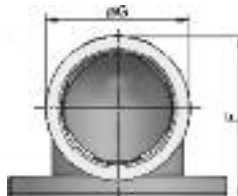
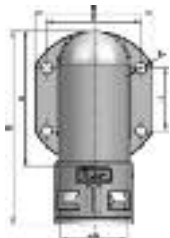
RQW-F RQF2-M

💧 IP 68

🌡️ -40°C ... +115°C

Racor acodado de poliamida 90° de conexión rápida, conexión de base fija, casquillo y junta interior de estanqueidad integrado

Plastic connector, quick-type elbow flange 90° incl. flange-sealing



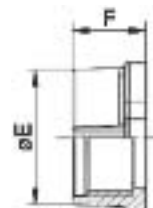
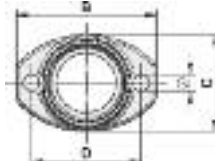
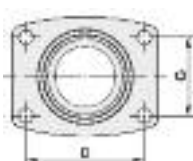
Ref.	Ref.	AD OD												
negro black	gris grey	ø	ø A mm	B mm	C mm	D mm	H mm	ø mm	ø G mm	F mm	E mm	kg/100	St. Pcs.	
RQW-F													[IP 68]	
5020.077.221	5020.077.021	28,5	27,0	65,5	61,0	53,0	-	6,6	37	45,0	88,0	5,200	10	
5020.077.229	5020.077.029	34,5	33,0	67,0	77,0	54,0	36,0	6,6	44	50,0	110,0	5,700	10	
5020.077.236	5020.077.036	42,5	38,0	85,0	84,5	73,0	30,0	6,6	52	64,5	104,0	7,800	10	
5020.077.248	5020.077.048	54,5	50,0	86,0	100,0	73,0	30,0	6,6	64	76,0	121,0	10,300	10	





Conexión de base en poliamida, apta para todos los racores métricos con rosca exterior conforme a EN 60423

Plastic flange for all metric connectors with outer thread acc. to EN 60423



Ref.	Ref.	AD OD											
negro black	gris grey	ø		B mm	C mm	D mm	G mm	ø mm	øE mm	H mm	F mm	kg/100	St. Pcs.
RQF2-M			Metr. EN 60423										
5020.071.225	5020.071.025	21,2, 28,5	M 25 x 1,5	46	32	36	-	5,4	29,5	13,0	15,5	0,660	50
5020.071.232	5020.071.032	28,5, 34,5	M 32 x 1,5	63	46	52	-	6,6	37,0	16,5	19,0	1,480	25
5020.071.240	5020.071.040	34,5, 42,5	M 40 x 1,5	67	55	54	36	6,6	45,0	16,0	18,5	1,900	10
5020.071.250	5020.071.050	42,5, 54,5	M 50 x 1,5	86	64	73	30	6,6	55,0	17,0	20,0	2,500	10
5020.071.263	5020.071.063	54,5	M 63 x 1,5	86	70	73	30	6,6	68,0	17,0	20,0	2,800	5

Protector contra la abrasión, incluye tornillos de acero inoxidable

Material Poliamida [PA]

- libre de silicona, cadmio y halógenos
- autoextinguible
- gran capacidad de carga
- resistente a los impactos
- incluye tornillos de acero inoxidable con tuerca de seguridad

Aplicación

Para proteger el tubo principalmente de las extremas tensiones mecánicas de la automoción y de los ferrocarriles.

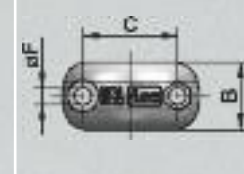
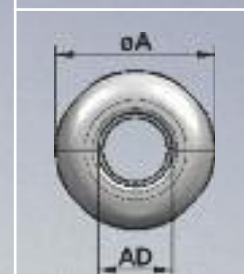
Heavy abrasion protector incl. screws made of stainless steel

Material plastic [PA]

- free of silicone, cadmium, halogen
- self-extinguishing
- fit for high mechanical stress
- impact – resistant
- incl. stainless steel screw with self-locking nut

Application

To protect the tubing installation mainly for extremely mechanical stresses by automation or railway.



Ref.	LW ID	AD OD							
negro black		ø	ø A mm	B mm	C mm	D mm	ø F mm	kg/100	St. Pcs.
RQPRO									
5524.021.200		21,2	45,0	22,0	31,0	-	5,5	2,360	25
5524.028.200		28,5	52,0	26,0	39,0	-	5,5	2,880	25
5524.034.200		34,5	58,0	26,0	45,0	-	5,5	3,400	10
5524.042.200		42,5	66,0	30,0	54,0	-	5,5	4,200	10
5524.054.200		54,5	77,0	30,0	65,0	-	5,5	5,000	5
5524.067.200	67,0		90,0	33,0	76,7	-	5,5	6,600	5
5524.079.200	79,2		109,0	60,0	90,9	30,0	5,5	15,200	5



Montaje fácil
mediante
pre-ajuste del
cierre

Easy mounting with
pre-locking mechanism



**Racor recto con conexión de base
de una sola pieza
para tubo ROHRflex® Multi**

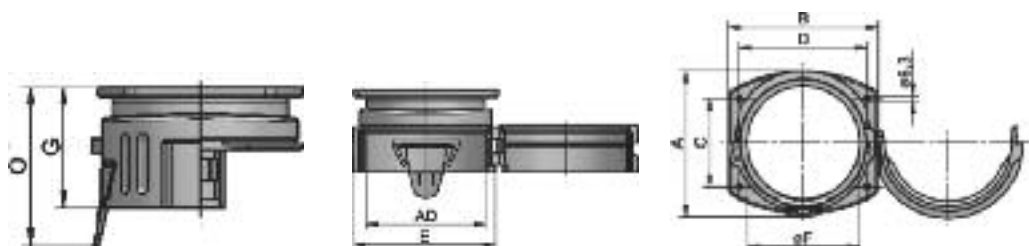
Material Poliamida

- resistente a muchos aceites y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de halógenos, silicona, cadmio
- autoextinguible
- resistente al fuego
- mediante juntas adicionales se puede conseguir sistema de protección IP 65, IP 68, IP 69K

**One-part flange connector
straight
for cable buncher ROHRflex® Multi**

Material polyamide

- resistant against several oils and benzines
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame resistant
- for higher protective system
IP 65, IP 68, IP 69K
special sealings are available



Ref.	Ref.	LW ID										
negro black	gris grey	Ø	A mm	B mm	C mm	D mm	Ø E mm	G mm	F mm	kg/100	St. Pcs.	
Multi-GFP											IP 54 ... IP 69K	
5032.206.070	5032.006.070	70	94,0	96,0	60,5	80,5	96,4	65,5	68	13,000	1	
5032.206.095	5032.006.095	95	120,0	126,0	74,0	108,0	123,0	70,5	85	18,000	1	

Racor acodado 90° con conexión de base de una sola pieza para tubo ROHRflex® Multi

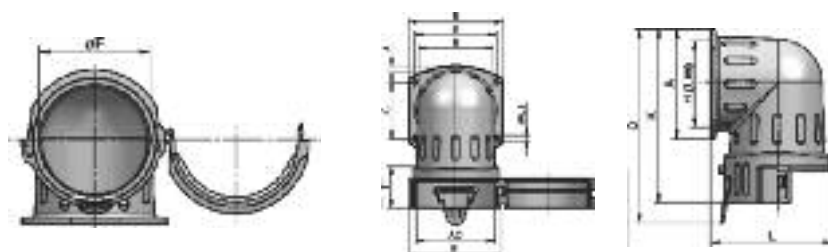
Material Poliamida

- resistente a muchos aceites y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de halógenos, silicona, cadmio
- autoextinguible
- resistente al fuego
- mediante juntas adicionales se puede conseguir sistema de protección IP 65, IP 68, IP 69K

One-part flange connector 90° elbow for cable buncher ROHRflex® Multi

Material polyamide

- resistant against several oils and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen
- self-extinguishing
- flame resistant
- for higher protective system IP 65, IP 68, IP 69K
special sealings are available



Ref.	Ref.	LW ID												
negro black	gris grey	Ø	A mm	B mm	C mm	D mm	Ø E mm	H mm	K mm	L mm	N mm	F mm	kg/100	St. Pcs.
Multi-WFP													IP 54 ... IP 69K	
5032.207.070	5032.007.070	70	94	96	60,5	80,5	96,4	70	153,0	105	73,0	68	17,100	1
5032.207.095	5032.007.095	95	120	126	74,0	108,0	123,0	95	191,0	130	98,2	95	37,000	1

Multi-FRM

Juntas especiales para racores Multi

Special sealing for Multi connectors

Ref.	LW ID	
[IP 65]	Ø	
5032.208.070	70	1
5032.208.095	95	1

Multi-FRM68

Juntas especiales para racores Multi

Material TPE

Special sealing for Multi connectors
Material TPE

Ref.	LW ID	
[IP 68 IP 69K]	Ø	
5032.211.070	70	1
5032.211.095	95	1



MULTI-FRM



MULTI-FRM68



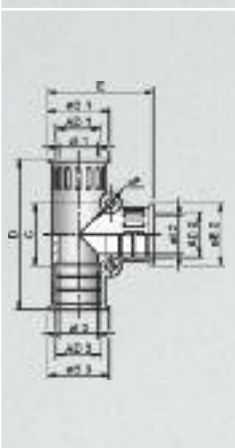
Racor de poliamida de conexión rápida y distribución en "T". Con junta de estanqueidad

- Material** Poliamida [PA]
- resistente a muchos aceites y a la gasolina
 - altamente resistente a los ácidos y a los disolventes
 - libre de halógenos, silicona, cadmio

Plastic connector, quick-type T distributor high sealing rate

- Material** plastic [PA]
- resistant against oil and benzine
 - widely resistant to acids and solvents
 - free of silicone, cadmium, halogen

Ref.	Ref.	AD 2 OD 2	AD 1/3 OD 1/3									
negro black	gris grey	ø	ø	ø B2 mm	ø B1/3 mm	E mm	D mm	ø F mm	C mm	kg/100	St. Pcs.	
RQT-PA												[IP 68 / 69K]
5020.041.208	5020.041.008	15,8	2 x 15,8	23,0	23,0	54,5	80,0	2 x 5,5	20,0	2,200	10	
5020.041.201	5020.041.001	21,2	2 x 21,2	29,5	29,5	66,0	93,5	2 x 6,5	27,0	4,100	10	
5020.041.202	5020.041.002	28,5	2 x 28,5	37,0	37,0	78,0	107,0	2 x 6,5	34,0	5,900	10	
5020.041.210	5020.041.010	34,5	2 x 28,5	44,0	37,0	77,0	113,0	2 x 6,5	38,0	6,900	10	
5020.041.211	5020.041.011	34,5	2 x 34,5	44,0	44,0	90,5	119,0	2 x 6,5	40,0	8,100	10	
5020.041.212	5020.041.012	42,5	2 x 42,5	52,0	52,0	94,5	138,0	2 x 6,5	45,0	11,700	10	
5020.041.213	5020.041.013	54,5	2 x 54,5	64,0	64,0	105,0	146,0	2 x 6,5	56,5	16,400	5	



Derivación de plástico en "T"

- Material** Goma [TPE]
- Aplicación** Para montaje de tubos enchufando simplemente hasta el fondo

One-piece plastic T distributor

- Material** plastic [TPE]
- Application** For rational tubing assembly, assembled by just putting on

Ref.	Ref.	AD2 OD2	AD1/3 OD1/3									
negro black	gris grey	ø	ø	ø B2 mm	ø B1/3 mm	E mm	D mm	ø F mm	C mm	kg/100	St. Pcs.	
RQT												[IP 66]
5020.067.203	5020.067.003	10,0	2 x 10,0	17,5	17,5	32,5	46,5	2 x 4,0	18,3	0,600	10	
5020.067.207	5020.067.007	13,0	2 x 13,0	21,0	21,0	36,0	51,0	2 x 4,0	21,0	0,900	10	
5020.067.208	5020.067.008	15,8	2 x 15,8	25,0	25,0	44,0	63,0	2 x 4,0	24,5	1,510	10	
5020.067.213	5020.067.013	15,8	2 x 28,5	25,5	36,5	56,0	65,0	2 x 4,0	37,0	2,900	10	
5020.067.205	5020.067.005	18,5	2 x 18,5	26,5	26,5	48,5	70,5	2 x 4,0	24,3	1,700	10	
5020.067.201	5020.067.001	21,2	2 x 21,2	29,5	29,5	50,0	71,0	2 x 4,0	29,5	2,000	10	
5020.067.209	5020.067.009	28,5	2 x 21,2	36,5	32,0	51,0	78,0	2 x 4,0	29,5	3,000	10	
5020.067.202	5020.067.002	28,5	2 x 28,5	36,5	36,5	57,5	77,0	2 x 4,0	37,0	2,900	10	
5020.067.210	5020.067.010	34,5	2 x 28,5	42,5	36,5	57,5	83,5	2 x 4,0	37,0	3,100	10	
5020.067.211	5020.067.011	34,5	2 x 34,5	42,5	42,5	64,0	85,0	2 x 4,0	42,0	4,200	10	
5020.067.212	5020.067.012	42,5	2 x 42,5	52,5	52,5	74,5	96,0	2 x 4,0	52,8	6,500	10	

♦ IP 66 / IP 68 / IP 69K

🌡 -40°C ... +115°C RQY-PA

🌡 -40°C ... +120°C ^ +150°C RQY

RQY

Racor de poliamida de conexión rápida y distribución en "Y". Con junta de estanqueidad

Material Poliamida [PA]

- resistente a muchos aceites y a la gasolina
- altamente resistente a los ácidos y a los disolventes
- libre de halógenos, silicona, cadmio

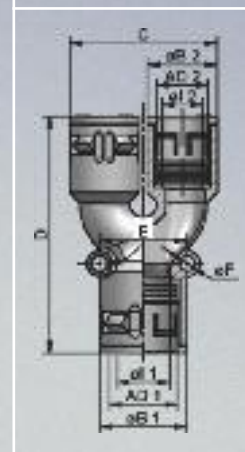
Plastic connector, quick-type Y distributor high sealing rate

Material plastic [PA]

- resistant against oil and benzine
- widely resistant to acids and solvents
- free of silicone, cadmium, halogen

Ref.	Ref.	AD 1 OD 1	AD 2 OD 2										
negro black	gris grey	ø	ø	ø B1 mm	ø B2 mm	D mm	C mm	ø F mm	E mm	kg/100	St. Pcs.		
RQY-PA											[IP 68 / 69K]		
5020.032.201	5020.032.001	13,0	2 x 10,0	20,0	17,0	68,0	36,0	2 x 5,5	19,0	1,800	10		
5020.032.202	5020.032.002	13,0	2 x 13,0	20,0	20,0	70,0	42,0	2 x 5,5	20,0	2,100	10		
5020.032.203	5020.032.003	15,8	2 x 13,0	23,0	20,0	71,0	42,0	2 x 5,5	22,0	2,200	10		
5020.032.204	5020.032.004	15,8	2 x 15,8	23,0	23,0	80,0	48,0	2 x 5,5	23,0	2,700	10		
5020.032.206	5020.032.006	21,2	2 x 15,8	29,5	23,0	87,5	51,0	2 x 5,5	27,0	3,300	10		
5020.032.208	5020.032.008	28,5	2 x 21,2	37,0	29,5	99,0	62,5	2 x 6,5	37,0	5,400	10		
5020.032.209	5020.032.009	34,5	2 x 28,5	44,0	37,0	106,0	77,5	2 x 6,5	43,0	7,800	10		
5020.032.210	5020.032.010	42,5	2 x 34,5	52,0	44,0	125,0	98,0	2 x 6,5	45,0	12,400	10		
5020.032.211	5020.032.011	54,5	2 x 42,5	64,0	52,0	129,5	110,0	2 x 6,5	62,0	16,000	5		





Derivación de plástico en "Y" de una sola pieza

Material Goma [TPE]

Aplicación

Para montaje de tubos enchufando simplemente hasta el fondo

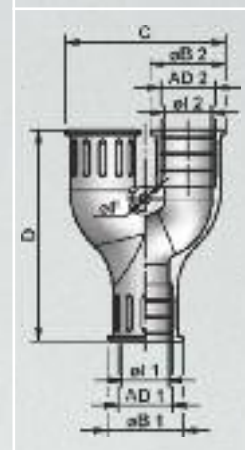
One-piece Plastic Y distributor

Material plastic [TPE]

Application

For rational tubing assembly, assembled by just putting on

Ref.	Ref.	AD1 OD1	AD2 OD2								
negro black	gris grey	ø	ø	ø B1 mm	ø B2 mm	D mm	C mm	ø F mm	kg/100	St. Pcs.	
RQY									[IP 66]		
5020.033.205	5020.033.005	10,0	2 x 10,0	17,5	17,5	54,5	36,5	1 x 4,0	0,630	10	
5020.033.206	5020.033.006	21,2	2 x 15,8	29,5	25,0	75,0	52,0	1 x 4,0	2,600	10	
5020.033.213	5020.033.013	28,5	2 x 15,8	36,5	25,0	75,0	52,0	1 x 4,0	2,800	10	
5020.033.212	5020.033.012	18,5	2 x 18,5	26,5	26,5	81,0	54,5	1 x 4,0	2,200	10	
5020.033.207	5020.033.007	21,2	2 x 21,2	29,5	29,5	82,5	62,5	1 x 4,0	2,900	10	
5020.033.208	5020.033.008	28,5	2 x 21,2	36,5	29,5	81,5	60,5	1 x 4,0	3,500	10	
5020.033.209	5020.033.009	34,5	2 x 28,5	42,5	36,5	86,0	77,0	1 x 4,0	5,200	10	
5020.033.210	5020.033.010	42,5	2 x 34,5	52,5	42,5	98,5	89,0	1 x 4,0	6,500	10	
5020.033.211	5020.033.011	54,5	2 x 42,5	65,0	52,5	116,0	109,5	1 x 4,0	11,600	5	



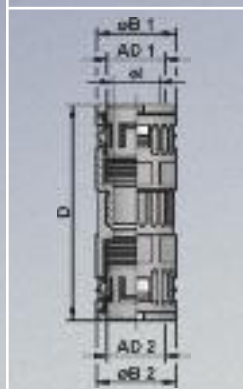


Racor de unión de poliamida, de conexión rápida. Con junta de estanqueidad

- Material** Poliamida [PA]
- resistente al aceite y a la gasolina
 - altamente resistente a los ácidos y a los disolventes
 - libre d silicona, cadmio y halógenos

Plastic connector, quick-type coupling high sealing rate

- Material** plastic [PA]
- resistant against oil and benzine
 - widely resistant to acids and solvents
 - free of silicone, cadmium, halogen



Ref.	Ref.	AD1 OD1	AD2 OD2						
negro black	gris grey	ø	ø	ø B1 mm	ø B2 mm	ø l mm	D mm	kg/100	St. Pcs.
RQK-PA				[IP 68 / 69K]					
5602.021.221	5602.021.021	21,2	21,2	29,5	29,5	17,0	82,0	2,600	10
5602.028.228	5602.028.028	28,5	28,5	37,0	37,0	23,5	90,0	3,500	10
5602.034.234	5602.034.034	34,5	34,5	44,0	44,0	30,0	96,0	4,700	10
5602.042.242	5602.042.042	42,5	42,5	63,0	58,0	36,5	138,0	7,500	10
5602.054.254	5602.054.054	54,5	54,5	74,0	68,0	45,0	167,0	8,800	10

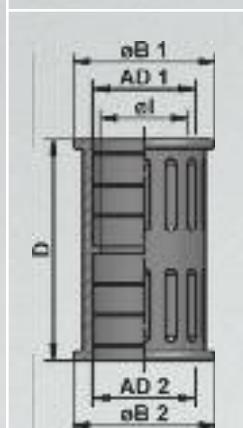


Unión de tubos de plástico

- Material** Goma [TPE]
- Aplicación**
Para montaje de tubos enchufando simplemente hasta el fondo

One piece plastic coupling

- Material** plasstic [TPE]
- Application**
For rational tubing assmby, assmbed by just putting on



Ref.	Ref.	AD1 OD1	AD2 OD2						
negro black	gris grey	ø	ø	ø B1 mm	ø B2 mm	D mm	kg/100	St. Pcs.	
RQK				[IP 66]					
5020.066.210	5020.066.010	10,0	10,0	17,5	17,5	33,5	0,300	10	
5020.094.201	5020.094.001	13,0	10,0	20,0	17,5	36,5	0,440	10	
5020.066.207	5020.066.007	13,0	13,0	20,0	20,0	36,5	0,370	10	
5020.094.202	5020.094.002	15,8	13,0	23,0	20,0	44,5	0,600	10	
5020.066.208	5020.066.008	15,8	15,8	23,0	23,0	44,5	0,500	10	
5020.094.209	5020.094.009	15,8	21,2	23,0	29,5	48,0	1,200	10	
5020.094.203	5020.094.003	18,5	15,8	26,5	26,5	48,0	0,840	10	
5020.066.209	5020.066.009	18,5	18,5	26,5	26,5	48,0	0,800	10	
5020.094.204	5020.094.004	21,2	18,5	29,5	26,5	46,0	1,000	10	
5020.066.201	5020.066.001	21,2	21,2	29,5	29,5	46,0	0,800	10	
5020.094.205	5020.094.005	28,5	21,2	36,5	29,5	46,0	1,600	10	
5020.066.202	5020.066.002	28,5	28,5	36,5	36,5	46,0	1,100	10	
5020.066.203	5020.066.003	34,5	34,5	42,5	42,5	48,0	2,000	10	
5020.094.206	5020.094.006	34,5	28,5	42,5	36,5	48,0	2,500	10	
5020.066.204	5020.066.004	42,5	42,5	51,0	51,0	60,0	4,000	10	
5020.094.207	5020.094.007	42,5	34,5	51,0	42,5	60,0	5,100	10	
5020.094.208	5020.094.008	54,5	42,5	63,0	51,0	70,0	5,600	10	
5020.066.205	5020.066.005	54,5	54,5	63,0	63,0	70,0	6,100	10	

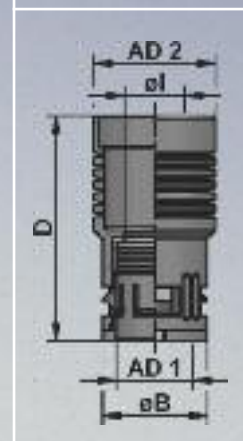


Reducción de plástico de conexión rápida de una sola pieza con junta de estanqueidad

- Material** Poliamida [PA]
- resistente al aceite y a la gasolina
 - altamente resistente a los ácidos y a los disolventes
 - libre de silicona, cadmio y halógenos

Plastic connector, quick-type reducer high sealing rate

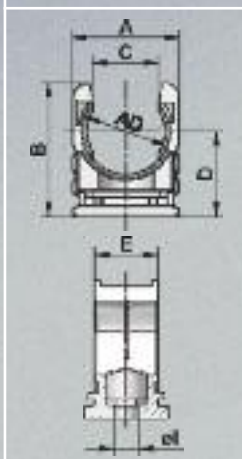
- Material** plastic [PA]
- resistant against oil and benzine
 - widely resistant to acids and solvents
 - free of silicone, cadmium, halogen



Ref.	Ref.	AD1 OD1	AD2 OD2					
negro black	gris grey	ø	ø	ø B mm	ø I mm	D mm	kg/100	St. Pcs.
RQGR		[IP 68 / 69K]						
5601.010.221	5601.010.021*	10,0	21,2	17,0	8,0	58,0	0,800	10
5601.010.228	5601.010.028*	10,0	28,5	17,0	7,0	63,0	1,400	10
5601.013.215	5601.013.015*	13,0	15,8	20,0	10,0	56,0	0,900	10
5601.013.221	5601.013.021*	13,0	21,2	20,0	10,0	60,5	0,900	10
5601.015.221	5601.015.021*	15,8	21,2	23,0	12,5	60,5	1,200	10
5601.015.228	5601.015.028*	15,8	28,5	23,0	12,5	63,0	1,600	10
5601.015.234	5601.015.034*	15,8	34,5	23,0	12,5	60,0	1,700	10
5601.021.228	5601.021.028*	21,2	28,5	29,5	17,0	65,0	2,140	10
5601.021.234	5601.021.034*	21,2	34,5	29,5	17,0	64,0	2,000	10
5601.028.234	5601.028.034*	28,5	34,5	37,0	23,5	70,0	3,200	10
5601.034.242	5601.034.042*	34,5	42,5	44,0	30,0	75,0	3,800	10
5601.021.254	5601.021.054*	21,2	54,5	29,5	17,0	86,0	4,000	5
5601.042.254	5601.042.054*	42,5	54,5	52,0	39,0	84,0	4,500	5

* Plazo bajo demanda
* Delivery time on request





Soporte de tubos

Material Poliamida [PA]

- soporte de tubos, con agujero pasante para ser fijado mediante tornillo, fijación con estrías para alcanzar resistencia a la tracción
- permite ensamblar las distintas medidas horizontalmente
- permite su instalación en perfil del modelo C

Accesorios opcionales

Elemento de conexión y tapa

Tubing clamp

Material plastic [PA]

- through hole for fastening by screws
- ribbed fixing for strain relief
- assembly of varying sizes joined in line
- for using in combination with C-profile bar

Optional Accessories

Cover and connecting element

Ref.	Ref.	AD OD							
negro black	gris grey	Ø	A mm	B mm	D mm	E mm	Ø1 mm	kg/100	St. Pcs.
RQH									
5030.025.207	5030.025.007	10,0	19,5	19,0	13,0	15,0	5,5	0,340	50
5030.025.209	5030.025.009	13,0	19,5	22,6	14,5	15,0	5,5	0,340	50
5030.025.211	5030.025.011	15,8	21,5	25,4	16,1	15,0	5,5	0,360	50
5030.025.213	5030.025.013	18,5	24,5	29,0	18,0	15,0	5,5	0,500	50
5030.025.216	5030.025.016	21,2	26,5	33,0	21,0	15,0	6,5	0,540	50
5030.025.221	5030.025.021	28,5	34,7	39,4	22,7	15,0	6,5	0,760	25
5030.025.229	5030.025.029	34,5	40,0	44,4	26,0	15,0	6,5	0,880	25
5030.025.236	5030.025.036	42,5	54,0	55,5	30,0	20,0	6,5	2,000	25
5030.025.248	5030.025.048	54,5	65,0	69,0	37,3	20,0	6,5	2,600	10



Tapa RQHD

Pieza de conexión RQHV

para soporte de tubos RQH

Material Poliamida [PA]

Cover RQHD

Connecting element RQHV

for tubing clamp RQH

Material plastic [PA]

Ref.	Ref.	AD OD		
negro black	gris grey	Ø	kg/100	St. Pcs.
RQHD				
5030.026.207	5030.026.007	10,0	0,060	50
5030.026.209	5030.026.009	13,0	0,072	50
5030.026.211	5030.026.011	15,8	0,080	50
5030.026.213	5030.026.013	18,5	0,100	50
5030.026.216	5030.026.016	21,2	0,120	50
5030.026.221	5030.026.021	28,5	0,160	25
5030.026.229	5030.026.029	34,5	0,200	25
5030.026.236	5030.026.036	42,5	0,360	25
5030.026.248	5030.026.048	54,5	0,500	10
RQHV				
5030.027.201	5030.027.001	10,0 - 54,5	0,030	100



Soporte de tubo con tapa

Material Poliamida [PA]

- con agujero pasante para ser fijado mediante tornillo
- Fijación con estrías para alcanzar resistencia a la tracción
- permite ensamblar distintas medidas horizontalmente
- permite su instalación en perfil del modelo C

Accesorios opcionales

Elementos de conexión RQHV

Tubing clamp with cover

Material plastic [PA]

- through hole for fastening by screws
- ribbed fixing for strain relief
- assembly of varying sizes joined in line
- for using in combination with C-profile bar

Optional Accessories

connecting element RQHV

Ref.	Ref.	AD OD							
negro black	gris grey	ø	A mm	B mm	D mm	E mm	ø l mm	kg/100	St. Pcs.
RQHG									
5030.025.207T	5030.025.007T	10,0	19,5	19,0	13,0	15,0	5,5	0,400	50
5030.025.209T	5030.025.009T	13,0	19,5	22,6	14,5	15,0	5,5	0,420	50
5030.025.211T	5030.025.011T	15,8	21,5	25,4	16,1	15,0	5,5	0,460	50
5030.025.213T	5030.025.013T	18,5	24,5	29,0	18,0	15,0	5,5	0,580	50
5030.025.216T	5030.025.016T	21,2	26,5	33,0	21,0	15,0	6,5	0,660	50
5030.025.221T	5030.025.021T	28,5	34,7	39,4	22,7	15,0	6,5	0,920	25
5030.025.229T	5030.025.029T	34,5	40,0	44,4	26,0	15,0	6,5	1,080	25
5030.025.236T	5030.025.036T	42,5	54,0	55,5	30,0	20,0	6,5	2,364	25
5030.025.248T	5030.025.048T	54,5	65,0	69,0	37,3	20,0	6,5	3,200	10

Soporte de tubos de una sola pieza

Material Poliamida [PA]

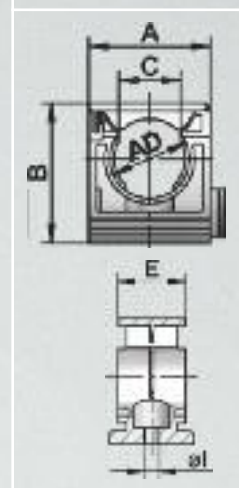
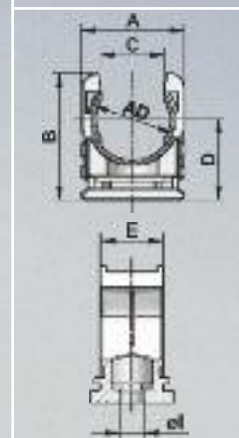
- agujero pasante para ser fijado mediante tornillo
- fijación con estrías para alcanzar resistencia a la tracción
- incluye tapa integrada que permite un rápido montaje
- permite ensamblar las diferentes medidas horizontalmente
- también permite su instalación en perfil de modelo C

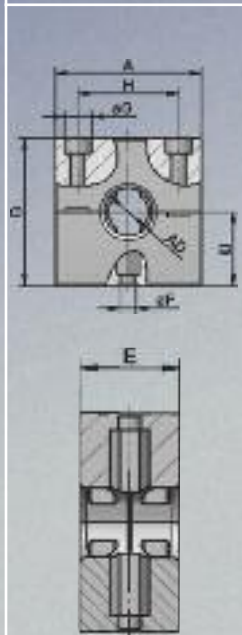
One-piece tubing clamp

Material plastic [PA]

- through hole for fastening by screws
- ribbed fixing for strain relief
- quick assembly by means of a filmhinge
- assembly of varying sizes joined in line
- for using in combination with C-profile bar

Ref.	Ref.	AD OD							
negro black	gris grey	ø	A mm	B mm	E mm	ø l mm	kg/100	St. Pcs.	
RQS									
5030.020.207	5030.020.007	10,0	21,7	23,7	20,0	4,5	0,700	50	
5030.020.209	5030.020.009	13,0	26,0	29,0	20,0	5,5	0,920	50	
5030.020.211	5030.020.011	15,8	26,0	29,0	20,0	5,5	0,860	50	
5030.020.213	5030.020.013	18,5	32,5	37,0	20,0	5,5	1,240	50	
5030.020.216	5030.020.016	21,2	32,5	37,0	20,0	6,5	1,220	50	
5030.020.221	5030.020.021	28,5	43,3	50,4	20,0	6,5	1,800	25	
5030.020.229	5030.020.029	34,5	43,3	50,4	20,0	6,5	1,720	25	
5030.020.236	5030.020.036	42,5	65,0	77,0	20,0	6,5	3,120	25	
5030.020.248	5030.020.048	54,5	65,0	77,0	20,0	6,5	3,000	10	





Soporte de tubo macizo

Material Poliamida [PA]

- agujeros de fijación
- fijación con estrías para alcanzar resistencia a la tracción
- permite ensamblar las distintas medidas horizontalmente



RQM 3



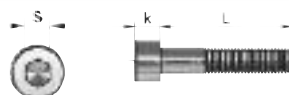
RQM 2

Heavy Tubing clamp

Material plastic [PA]

- fastening bore hole
- ribbed fixing for strain relief
- assembly of varying sizes joined in line or on top of each other
- for using in combination with C-profile bar

Ref.	Ref.	AD OD									
negro black	gris grey	Ø	A mm	B mm	D mm	E mm	Ø F mm	Ø G mm	H mm	kg/100	St. Pcs.
RQMS											
5020.006.211	5020.006.011*	15,8	50,0	33,5	16,5	30,0	7,0	6,5	34,0	3,100	10
5020.006.216	5020.006.016*	21,2	54,0	33,5	16,5	30,0	7,0	8,5	38,0	3,200	10
5020.006.221	5020.006.021*	28,5	60,0	40,0	20,0	30,0	7,0	8,5	44,0	3,800	10
RQM											
5020.020.216	5020.020.016	21,2	65,0	66,0	33,0	30,0	7,0	6,5	45,0	7,900	10
5020.020.221	5020.020.021	28,5	65,0	66,0	33,0	30,0	7,0	6,5	45,0	7,500	10
5020.020.229	5020.020.029	34,5	80,0	66,0	33,0	30,0	7,0	8,5	60,0	8,500	10
5020.020.236	5020.020.036	42,5	80,0	66,0	33,0	30,0	7,0	8,5	60,0	7,600	10
5020.020.248	5020.020.048	54,5	100,0	66,0	33,0	30,0	-	8,5	75,0	9,200	5
RQM 2											
5020.008.201	5020.008.001*	42,5	126,0	66,0	33,0	30,0	-	8,5	106,0	11,000	10
RQM 3											
5020.008.202	5020.008.002*	42,5	172,0	66,0	33,0	30,0	-	8,5	152,0	14,300	10
* Plazo bajo demanda											
* Delivery time on request											



DIN 4762

Ref.	Ref.	Ref.	Material material				
Longitud L	length L						St. Pcs.
1 sop 1 time 65 mm	2 sop 2 time* 130 mm	3 sop 3 time* 200 mm		k mm	s mm		
0541.106.065	0541.106.130	0541.106.200	galvanizado / galvanized	M 6	6	5	100
0541.806.065	0541.806.130	--	Inox. / rustproof steel	M 6	6	5	100
0541.108.065	0541.108.130	0541.108.200	galvanizado / galvanized	M 8	8	6	100
0541.808.065	0541.808.130	--	Inox. / rustproof steel	M 8	8	6	100
* apilable * stackable							

🌡 -40°C ... +115°C RQMR

🌡 -40°C ... +120°C ^ +150°C RQMR-Kabel

RQMR

Reductor para Soporte de tubos RQM

Material Poliamida [PA]

- Fijación con estrías para alcanzar fijado mediante tornillo

Reducer for tubing clamp RQM

Material plastic [PA]

- ribbed fixing for strain relief

Ref	AD OD	B		
negro black	ø mm	ø mm	kg/100	St. Pcs.
RQMR				
5605.042.215	42,5	15,8	2,200	10
5605.042.221	42,5	21,2	2,000	10
5605.042.228	42,5	28,5	1,600	10
5605.042.234	42,5	34,5	1,200	10

Reductor de diámetro para soportes de tubo RQM

Material Goma [TPE]

- sujeción protegida de las mangueras
- reducción de las vibraciones
- en combinación con los soportes RQM o protector RQPRO

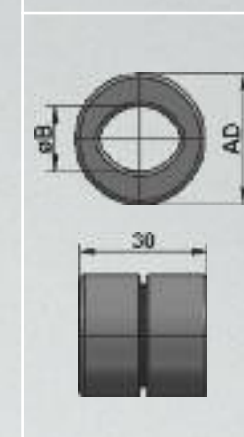
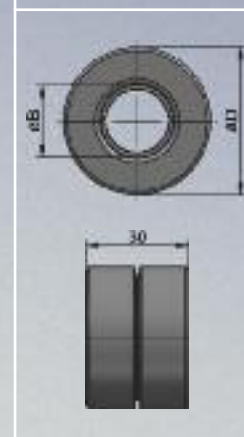
Reducer for cables for tubing clamp RQM

Material plastic [TPE]

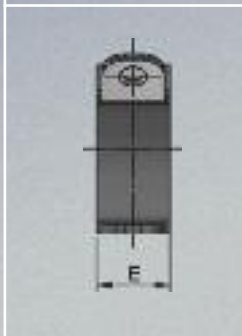
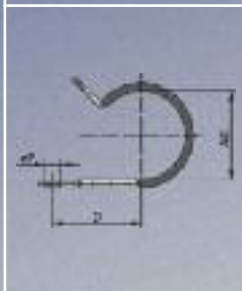
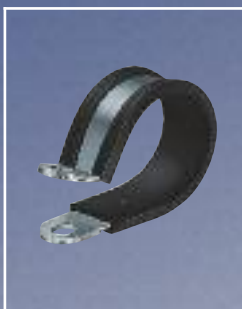
- gentle clamping of cables
- vibration inhibiting
- combined with tubing clamp RQM and conduit abrasion protector RQPRO

Ref.	AD OD			
negro black	ø mm	ø mm	kg/100	St. Pcs.
RQMR Kabel				
5606.015.207*	15,8	7 - 10	0,500	10
5606.021.210*	21,2	10 - 14	0,700	10
5606.028.214*	28,5	14 - 18	1,100	10
5606.042.218*	42,5	18 - 22	1,900	10
5606.042.222*	42,5	22 - 26	1,800	10
5606.042.226*	42,5	26 - 30	1,600	10
5606.042.230*	42,5	30 - 34	1,400	10
5606.054.234*	54,5	34 - 38	2,800	10
5606.054.238*	54,5	38 - 42	2,400	10
5606.054.242*	54,5	42 - 46	2,150	10

* Plazo bajo demanda
* Delivery time on request



3



Abrazadera metálica para tubo

Material

Acero cincado con perfil de goma

Construcción

Abrazadera de tubo con perfil de goma y agujeros reforzados de fijación

Tubing-Clamp

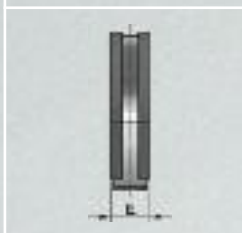
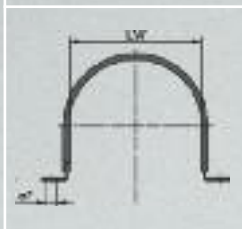
Material

galvanized steel with rubber-profile

Construction

Pipe holder with through hole for fastening with screws

Ref.	AD OD					
	Ø	Ø F mm	D mm	E mm	kg/100	St. Pcs.
SKM						
0308.000.007	10,0	M 5	13,0	12,0	0,560	50
0308.012.013	13,0	M 5	14,5	12,0	0,660	50
0308.000.009	14,0	M 5	15,5	12,0	0,720	50
0308.012.016	15,8	M 5	16,0	12,0	0,740	50
0308.000.011	17,0	M 5	17,0	12,0	0,780	50
0308.012.019	18,5	M 5	17,5	12,0	0,860	50
0308.000.013	19,0 – 20,0	M 5	18,0	12,0	0,900	50
0308.000.016	21,0 – 22,0	M 5	19,0	12,0	0,900	50
0308.000.021	27,0 – 29,0	M 6	25,2	15,0	2,020	50
0308.000.029	34,5 – 36,0	M 6	28,7	15,0	2,340	50
0308.000.036	42,5 – 45,0	M 6	32,2	15,0	2,800	25
0308.000.048	54,5 – 57,0	M 6	38,2	15,0	3,320	25



Abrazadera metálica para tubo ROHRflex®-Multi

Material

Acero cincado con perfil de goma

Construcción

Abrazadera de tubo con perfil de goma y agujeros reforzados de fijación

Tubing-Clamp for cable buncher ROHRflex®-Multi

Material

galvanized steel with rubber-profile

Construction

Pipe holder with through hole for fastening with screws

Ref.	LW ID					
		F mm	Ø	E mm	kg/100	St. Pcs.
SKM-Multi						
0308.000.070	70	M 8	79,0	20,0	7,000	1
0308.000.095	95	M 8	105,0	20,0	9,000	1

Ángulo de sujeción para racores

Material Polipropileno [PP]

Construcción

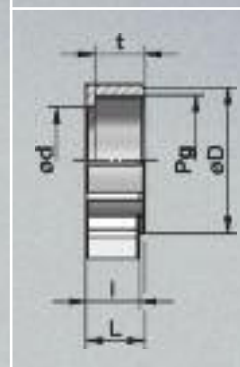
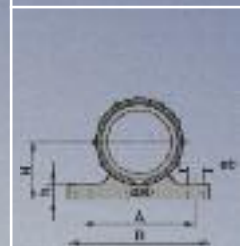
Ángulo de sujeción con rosca métrica o rosca PG y dos agujeros de fijación

Screw connector fastening angle

Material plastic [PP]

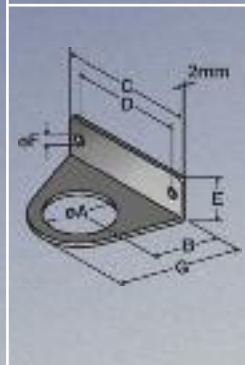
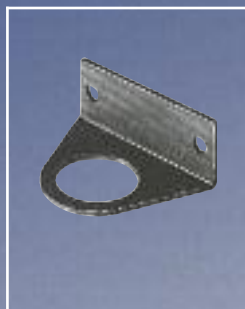
Construction

Screw connection holder with two fastening bores



3

Ref.														
			A	B	ø b	ø D	ø d	H	h	L	I	t	kg/100	St. Pcs.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
BWK-M			Metr. EN 60423											
0315.001.020	M 20 x 1,5		37,5	50,0	5,7	27,0	17,5	20,0	7,0	13,5	12,0	11,5	0,680	50
0315.001.025	M 25 x 1,5		37,5	57,0	5,7	32,0	22,0	25,0	8,0	13,5	12,0	11,5	0,900	50
0315.001.032	M 32 x 1,5		53,5	67,0	6,7	41,0	30,0	27,5	8,0	16,5	15,0	14,0	1,460	50
0315.001.040	M 40 x 1,5		65,5	79,5	6,7	52,0	39,0	33,0	8,5	16,5	15,0	14,0	2,100	50
0315.001.050	M 50 x 1,5		69,5	86,0	6,7	60,0	47,0	36,0	9,5	17,5	15,5	15,0	2,360	50
0315.001.063	M 63 x 1,5		84,4	104,2	8,2	70,0	56,5	46,5	12,1	23,4	21,5	20,6	3,960	25
BWK-P			PG DIN 40430											
0315.000.009	9		29,0	40,0	5,7	19,0	10,5	14,5	6,0	14,0	12,0	11,5	0,400	50
0315.000.011	11		37,0	50,0	5,7	27,0	13,0	20,0	7,0	14,0	12,0	11,5	0,800	50
0315.000.013	13,5		37,0	50,0	5,7	27,0	15,5	20,0	7,0	14,0	12,0	11,5	0,680	50
0315.000.016	16		37,0	50,0	5,7	27,0	17,5	20,0	7,0	14,0	12,0	11,5	0,604	50
0315.000.021	21		43,0	57,0	5,7	32,0	22,0	25,0	8,0	14,0	12,0	11,5	0,720	50
0315.000.029	29		53,0	67,0	6,7	41,0	30,0	27,5	8,0	16,5	15,0	14,0	1,160	25
0315.000.036	36		65,0	80,0	6,7	52,0	39,0	33,0	8,5	16,5	15,0	14,0	1,560	25
0315.000.048	48		76,0	93,0	6,7	65,0	53,0	38,5	10,0	19,0	16,5	16,0	2,360	25



Ángulo de sujeción para racores

Material Acero cromado

Construcción

Ángulo de 90° de chapa de acero con un agujero pasante y dos orificios de fijación

Fastening angle

Material steel, eloc-passivate

Construction

Angle sheet with a through-hole and two fastening bores

Ref.										
	ø A mm	B mm	G mm	C mm	D mm	E mm	ø F mm	kg/100	St. Pcs.	
BW-M		Metr. EN 60423								
5010.031.016	M 16	17,0	22,0	38,0	50,0	40,0	20,0	4,5	3,240	25
5010.031.020	M 20	21,0	22,0	38,0	50,0	40,0	20,0	4,5	3,080	25
5010.031.025	M 25	26,0	27,0	46,9	60,0	50,0	20,0	4,5	4,120	25
5010.031.032	M 32	33,0	32,0	56,9	70,0	60,0	20,0	4,5	5,360	25
5010.031.040	M 40	41,0	37,0	67,0	80,0	70,0	20,0	4,5	6,640	25
5010.031.050	M 50	51,0	40,0	78,4	90,0	80,0	20,0	4,5	8,120	25
5010.031.063	M 63	64,0	42,0	83,0	90,0	80,0	20,0	4,5	7,040	25
BW-P		PG DIN 40430								
5010.027.016	16	23,0	22,0	38,0	50,0	40,0	20,0	4,5	2,920	25
5010.027.021	21	29,0	27,0	46,9	60,0	50,0	20,0	4,5	3,840	25
5010.027.029	29	37,5	32,0	56,9	70,0	60,0	20,0	4,5	4,840	25
5010.027.036	36	47,5	37,0	67,0	80,0	70,0	20,0	4,5	5,800	25
5010.027.048	48	60,0	40,0	78,4	90,0	80,0	20,0	4,5	6,760	25

calidad y datos técnicos



sistema QM DIN EN ISO 9001

QM system DIN EN ISO 9001



IRIS
Certification



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Definición de los sistemas de protección según la norma EN 60529 / IEC 60529

Definition of the protective systems acc. to EN 60529 / IEC 60529

Los sistemas de protección se indican mediante un breve código compuesto por las dos letras IP que nunca cambian y por dos índices o números que indican el grado de protección. Por ejemplo IP 68 (6 = 1. índice 8 = 2. índice)

The protective systems are stated through a short-code sign, composing of the two unchangeable indicating letters IP and two indexes for the protection degree i.e.

IP 68 (6 = First Index 8 = Second Index)

1º Índice

Grados de protección para el contacto y la protección contra cuerpos extraños

First Index

Protection degrees for contact and foreign body protection

Índice Index X	Designación Designation	Descripción Ámbito de protección	Protection scope Description
0	Sin protección No protection	Ninguna protección especial de las personas contra el contacto directo de partículas activas o agitadas. Ninguna protección de los recursos contra la penetración de cuerpos sólidos extraños	No special protection of persons against direct touch of active or agitated particles. No protection of resources against penetration of solid foreign bodies.
1	Protección contra los cuerpos extraños de gran dimensión Protection against large foreign bodies	Protección contra el contacto accidental en un área extensa de partículas activas y agitadas, p. ej. con la mano, pero sin protección contra el acceso intencionado a dichas partículas. Protección contra la penetración de cuerpos sólidos extraños con un diámetro superior a 50 mm	Protection against accidental large area contact of active and inner agitated particles, i.e. with the hand, but no protection against intentional access to these particles. Protection against penetration of solid foreign bodies with a diameter larger than 50 mm.
2	Protección contra los cuerpos extraños de dimensión media Protection against medium sized foreign bodies	Protección contra el contacto de los dedos con partículas activas o agitadas. Protección contra la penetración de cuerpos sólidos extraños con un diámetro superior a 12 mm	Protection against contact of fingers with active or inner agitated particles. Protection against penetration of solid foreign bodies with a diameter larger than 12 mm.
3	Protección contra los cuerpos extraños de pequeña dimensión Protection against small foreign bodies	Protección contra el contacto de partículas activas o agitadas con herramientas, hilos o similares que tengan un espesor superior a 2,5 mm, Protección contra la penetración de cuerpos extraños con un diámetro superior a 2,5 mm	Protection against contact of active or inner agitated particles with tools, wires or similars with a thickness of more than 2,5 mm. Protection against penetration of solid foreign bodies with a diameter larger than 2,5 mm.
4	Protección contra los cuerpos extraños granulados Protection against granulated foreign bodies	Protección contra el contacto de partículas activas o agitadas con herramientas, hilos o similares que tengan un espesor superior a 1 mm.	Protection against contact of active or inner agitated particles with tools, wires or similars with a thickness of more than 1 mm.
5	Protección contra los depósitos de polvo Protection against dust deposit	Protección completa contra el contacto con partículas agitadas o transportadas por la corriente. Protección contra los depósitos de polvo nocivos. La penetración del polvo no se previene totalmente, pero el polvo no penetra en cantidades que puedan ser nocivas.	Complete protection against contact with current-carrying or inner agitated particles. Protection against harmful dust deposit. The penetration of dusts is not completely prevented, but the dust may not penetrate in such quantities that it injures procedures.
6	Protección contra la penetración del polvo Protection against dust penetration	Protección completa contra el contacto con partículas agitadas o transportadas por la corriente. Protección contra la penetración del polvo.	Complete protection against contact with current-carrying or inner agitated particles. Protection against penetration of dust.

1. Índice

Protección contra el contacto y la penetración de cuerpos extraños

First Index

Protection against contact and penetration of foreign bodies

2. Índice

Protección contra los líquidos

Second Index

Protection against liquids

IPxx

2º Índice: Grados de protección contra el agua Second Index: Protection degrees for water protection

Índice Index X	Designación Designation	Descripción / Ámbito de protección	Protectionscope Description
0	Sin protección No protection	Sin protección especial	No special protection.
1	Protecc. contra las gotas de agua que caen en vertical Protection against dripping water falling vertically	Las gotas de agua que caen en vertical no deben tener consecuencias perjudiciales	Water drops falling vertically may not have any harmful consequences.
2	Protección contra las gotas de agua que caen en diagonal Protection against dripping water falling diagonally	Las gotas de agua que caen en un ángulo de 15° en relación con la línea vertical no deben tener consecuencias perjudiciales	Water drops falling in any angle of 15° to the vertical line may not have any harmful consequences.
3	Protecc. contra el agua pulverizada Protection against spray water	El agua que cae en un ángulo de hasta 60° en relación con la línea vertical no debe tener consecuencias perjudiciales	Water falling in any angle up to 60° to the vertical line may not have any harmful consequences.
4	Protecc. contra las salpicaduras Protection against splashing water	El agua que salpique los productos desde cualquier dirección no debe tener consecuencias perjudiciales.	Water splashing from all directions onto resources may not have any harmful consequences.
5	Protecc. contra los chorros de agua Protection against water jets	Un chorro de agua dirigido a los productos desde cualquier dirección no debe tener consecuencias perjudiciales	A water jet from a nozzle directed onto resources from all directions may not have any harmful consequences.
6	Protecc. contra las inundaciones Protection against inundation	En el caso de una inundación temporal, p. ej. marea alta, el agua no debe penetrar en los productos de manera perjudicial.	In case of temporary inundation i.e. for heavy seas, water may not penetrate resources in harmful quantities.
7	Protecc. durante las inmersiones Protection at immersion	El agua no debe penetrar en cantidades perjudiciales cuando los productos están inmersos en el agua bajo unas condiciones determinadas de presión y tiempo.	Water may not penetrate in harmful quantities when resources are immersed into water under the determine pressure and time conditions.
8	Protecc. durante las sumersiones Protection at submersion	El agua no deberá penetrar en cantidades perjudiciales cuando los productos están totalmente sumergidos dentro del agua.	Water may not penetrate in harmful quantities when resources are submerged under water (1,2 m water depth, 1 hour).

Grado de protección IP 69K conforme a Norma DIN 40050

Protective system IP 69K acc. to DIN 40050

Grado de Protección IP 69K con el Sistema FLEXAquick®

Protection IP 69K with the FLEXAquick® system



Sin piezas adicionales reduce tiempos de montaje

El grado de protección elevado IP69K asegura protección adicional y la más alta estanqueidad de sistema contra los chorros de agua y aguas a presión, especialmente en el uso de limpiadoras de alta presión y de vapor

Indispensable en todos los sitios donde simples métodos de limpieza no son suficientes; en la industria alimentaria, en la industria de la automoción y en plantas de la industria química y farmacéutica.

Pruebas extensas del instituto VDE han demostrado, que nuestros sistemas de racores cumplen el grado de protección IP69K conforme a DIN 40050 sin piezas adicionales

- Fácil montaje mediante racores de una sola pieza con cierre a presión
- sin piezas adicionales
- reduce tiempos de montaje
- sin costes adicionales
- uso sin riesgo de limpiadores de alta presión y de vapor

No additional parts no additional mounting time

The higher protective classification 69K guarantees even better protection and utmost tightness against hose water and pressurized water during cleaning procedures with a high-pressure washer or a steam-jet washer.

This is a must wherever simple cleaning is insufficient, e.g. in the food industry, in the automotive industry, in plants of chemical industries, in the pharmaceutical industry.

Comprehensive tests carried out by the VDE Institute have certified IP 69K tightness according to DIN 40050 of this screw connection system without additional parts.

- Most simple assembly due to one-piece screw connections with push-in locks
- no additional parts required
- no additional mounting time
- no additional costs
- risk-free cleaning with high-pressure washers or steam-jet washers

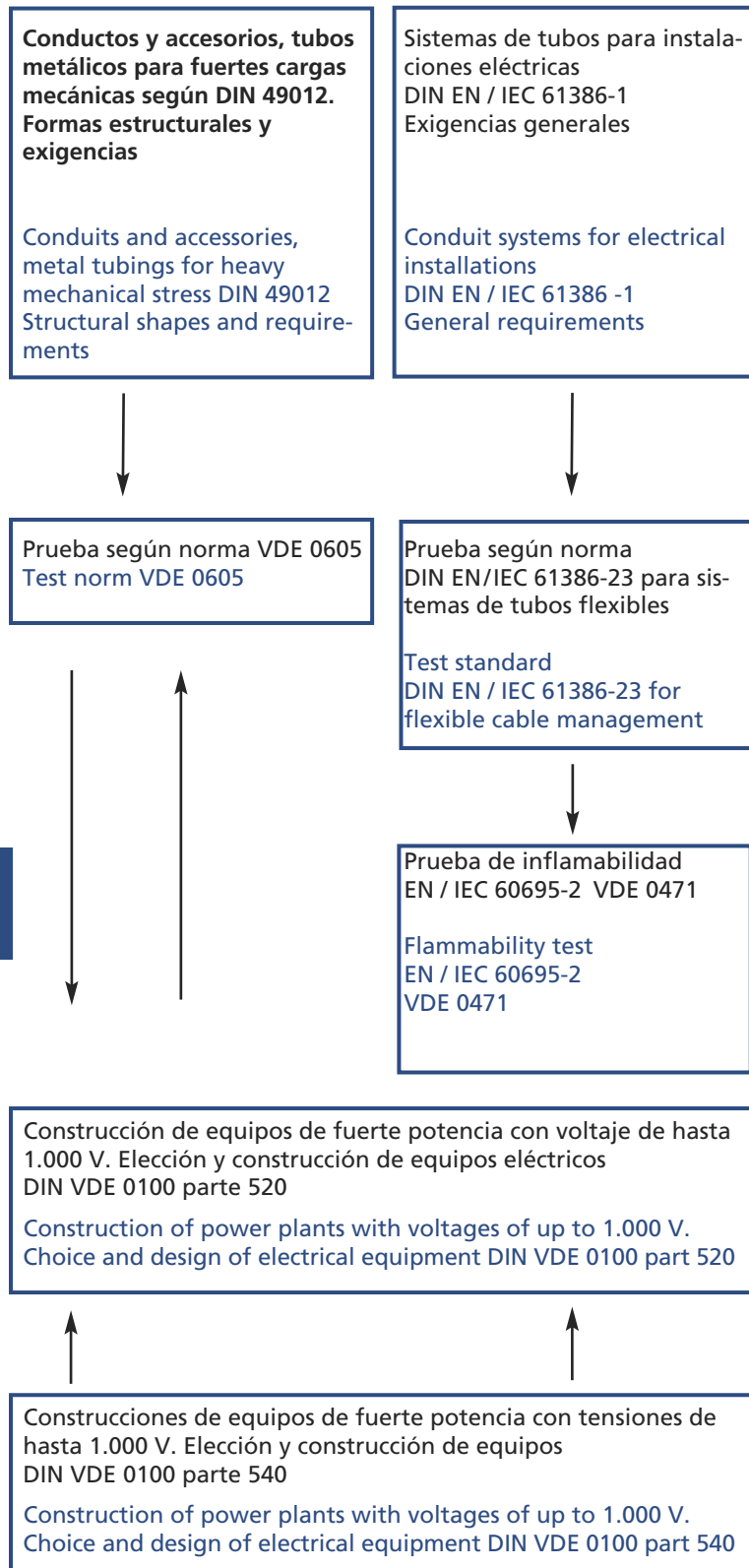
Requisitos para la aplicación de tubos destinados a instalaciones eléctricas	Requirements for the application of conduits for electrical installations
DIN EN 60204 / IEC 60204 - 1 Equipos eléctricos para la maquinaria industrial DIN VDE 0100 - 520 Construcción de plantas para la producción de energía eléctrica con una tensión nominal de hasta 1000 V	Electrical equipment of industrial machinery Construction of power plants with rated voltages of up to 1000 V
Requisitos de homologación para los tubos destinados a instalaciones eléctricas	Approval requirements for electrical installation conduits
DIN EN 61386 / IEC 61386 - 1 Exigencias generales Sistemas de tubos para instalaciones eléctricas DIN EN 61386-23 / IEC 61386 - 23 Exigencias especiales para los sistemas de tubos para instalaciones eléctricas flexibles Sistemas de tubos para instalaciones DIN EN 60529 / IEC 60529 Grado de protección [Código IP]	General requirements for cable management Particular requirements for flexible conduit systems for cable management Degrees of protection provided by enclosures [IP code]
Normas de productos para Tubos destinados a instalaciones eléctricas	Product standards for conduits for electrical installation
DIN 40430 Roscas para tubos de acero rígido [PG] DIN EN 60423 Roscas para Tubos y Racores destinados a instalaciones eléctricas [métrica]	Rigid steel conduit threads [PG] Threads for conduits for electrical installation and connectors [metric]

Normas de los productos

Product standards

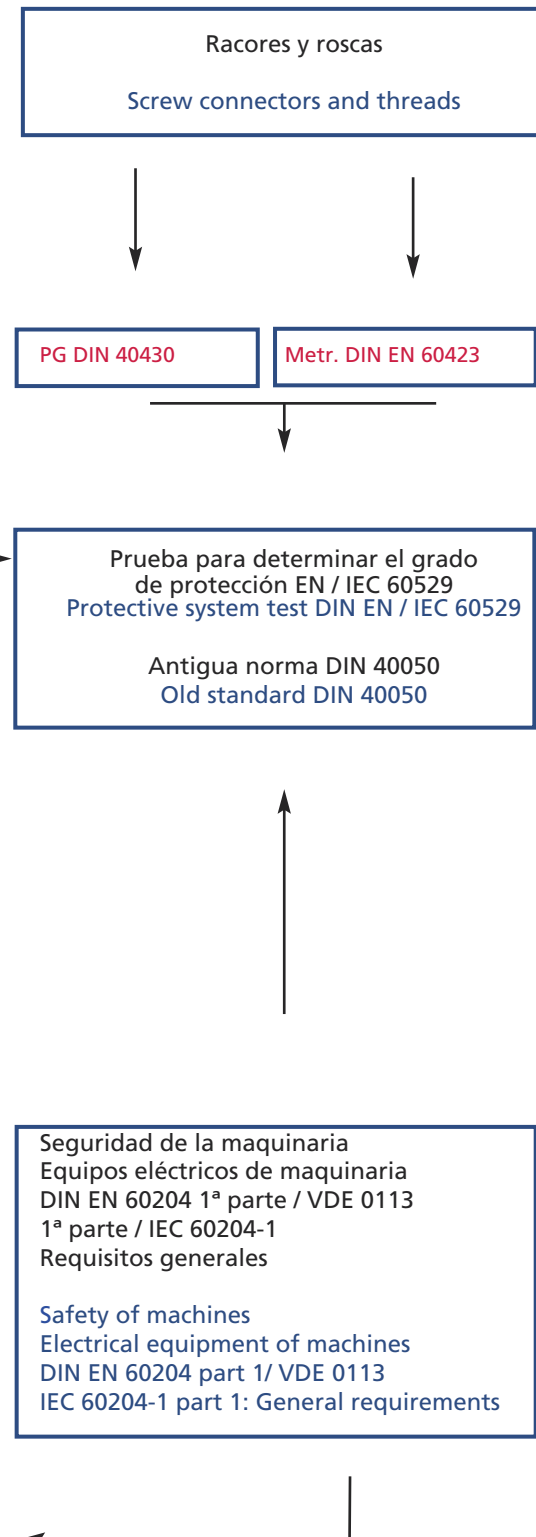
Tubos para instalaciones eléctricas

Electrical installation pipes



Racores

Connectors



Instalaciones exteriores	Outside-Installation
Dinámico/estático min. IP 67 -50° bis +100°C	Dynamic / static min. IP 67 -50° up to +100°C
Producto	Products
ROHRflex® PA 12 ROHRflex® PA 12-D	SPR-PU FLEXAgraff®-PU-F

Instalaciones interiores	Inside-Installation
Estático min. IP 54 -40° up to +100°C	Static min. IP 54 -40° up to +100°C
Producto	Products
ROHRflex®-PA 6 FLEXAgraff®-PU-F	SPR SPR-CU (EMV / EMC)



Acoplamientos	Coupling
Dinámico / estático min. IP 67 -50° bis +100°C	Dynamic / static min. IP 67 -50° up to +100°C
Producto	Products
ROHRflex® PA 12	ROHRflex® PA 12-D

Instalaciones bajo suelo	Underfloor-installation
Dinámico / estático min. IP 67 -50° bis +100°C	Dynamic / static min. IP 67 -50° up to +100°C
Producto	Products
ROHRflex®-PA 12 ROHRflex®- PA 12-D	SPR-PU FLEXAgraff®-PU-F

Certificados - Tests Certificates - Tests

Todos los tipos de protectores para cables de vehículos e infraestructuras ferroviarias emplean productos plásticos para proteger del agua y del polvo. El material debe ser ensayado en relación a la legislación relativa al fuego y a los humos, para garantizar una seguridad personal en caso de incendio.

Las diversas normas internacionales examinan principalmente los mismos parámetros:

Flamabilidad

La mayoría de los productos plásticos son auto-extinguibles y por consiguiente previenen la propagación del fuego.

Humo

Para asegurar una óptima evacuación de la gente, se requiere que se genere poco humo.

Toxicidad del humo

Los productos de FLEXA para la industria ferroviaria están fabricados a partir de materiales que cumplen los requisitos de estar exentos de halógenos (Fluor, Cloro, Bromo). En el humo se emiten gases por la combustión de los plásticos. Es importante minimizar dichos gases para que los efectos del fuego en los humanos sean lo menores posibles.

Tecnología Ferroviaria Railway Technology

All cable protection in rolling stock and rail infrastructure use plastic products to protect against water and dust. The material must be investigated in terms of fire and smoke regulations, to ensure personal safety in case of fire.

The various international standards examine essentially the same parameters:

Flammability

Most of the plastic products used are self-extinguishing and thus prevent the spread of fire.

Smoke

To ensure better evacuation of people a low smoke development is required.

Smoke toxicity

FLEXA products for the railway industry are made from materials which meet the requirement of being halogen-free (fluorine, chlorine and bromine). Smoke gases are emitted by burning plastics. It is important to minimize these gases to keep the fire-effects on humans as low as possible.

CEN / TS 45545-2-2009

	El objeto de esta Norma Europea es armonizar los requisitos que ha de cumplir la tecnología ferroviaria frente al fuego en una única norma. Consta de 7 partes, de las cuales las partes 1 y 2 son las que se centran en los sistemas de cableado. El tipo de vehículo y el entorno operativo se clasifican en niveles de riesgo (HL, "Hazard Levels")	The target of this European standard is to harmonize the fire requirements of the rolling technology all over Europe in one standard. Part 1 and Part 2 of this seven-part standard have a focus on the cable systems. The type of vehicle and the operational environment are classified into hazard levels (HL).
Tests	• Flamabilidad (índice de Oxígeno) • Emisión de Humos • Toxicidad de los Humos	• flammability (Oxygen Index) • smoke emission • smoke toxicity
Producto Products	ROHRflex® PA 6 ROHRflex® PA 12 FLEXAquick® system	SPR-PU-F FLEXAgraft®-PU-F HG-PET022



DIN 5510 Teil 2

	Esta Norma alemana DIN 5510 se ha completado con un borrador en 2007 seguido de un ensayo para toxicidad de humos. Para los vehículos ferroviarios en los países germanoparlantes, se requieren que estén certificados según DIN 5510	This German standard DIN 5510 has been completed with a draft in 2007 followed by a test for smoke toxicity. For rail vehicles in the German-speaking countries DIN 5510 certificates are required.
Tests	• Clasificación de flamabilidad (S2-5) • Tipo de humo emitido (SR1-2) • Clasificación capacidad condensación (ST1-2) • Toxicidad de los humos emitidos	• flammability classification (S2-5) • smoke emission class (SR1-2) • class for capacity of forming drops (ST1-2) • smoke gas toxicity
Producto Products	ROHRflex® PA 6 ROHRflex® PA 12 ROHRflex® PA 12-D FLEXAquick® system	SPR-PU-F FLEXAgraft®-PU-F HG-PA HG-PET022



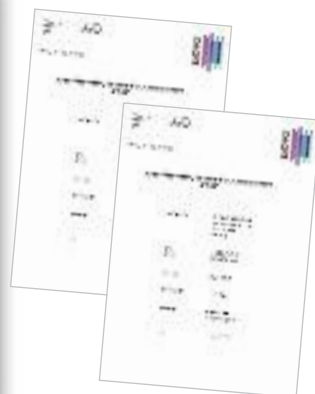
NFF 16-101/102		
	Según esta Norma Francesa, todos los materiales han de ser ensayados para los vehículos ferroviarios de transporte de pasajeros. Esta Certificación se aplica especialmente en los mercados ferroviarios francés y belga	According to this French standard, all materials must be tested for rail vehicles for passenger transportation. This certification is used specially in the French and Belgian railway market.
Tests	• Flamabilidad (Comportamiento a la llama) • Emisión de humos (NFX 10-702) • Toxicidad de humos (NFX 70-100)	• flammability • smoke emission (NFX 10-702) • smoke toxicity (NFX 70-100)
Producto Products	ROHRflex® PA 6 ROHRflex® PA 12 ROHRflex® PA 12-D FLEXAquick® system	SPR-PU-F FLEXAgraff®-PU-F



BS 6853:1999		
	En la Norma Británica, los vehículos se clasifican en tres categorías y en función de los diferentes productos según sean para instalaciones en interiores o en exteriores	In the British standard, the vehicles are divided into three classes and the different demands on the plastic products for indoor and outdoor installations.
Tests	• Flamabilidad (Comportamiento a la llama) • Emisión de humos • Toxicidad de humos	• flammability • smoke emission • smoke toxicity
Producto Products	ROHRflex® PA 6 ROHRflex® PA 12	



ASTM E-162, ASTM E-662, SMP 800-C		
	Los servicios de transporte en los E.E.U.U. requieren certificados de estas normas para la evaluación de los productos plásticos en los vehículos ferroviarios	The U.S. - transport services require certificates of these standards for the evaluation of the plastic products in rail vehicles.
Tests	• Flamabilidad (E-162) • Emisión de humos (ASTM E-662) • Toxicidad de humos (SMP 800-C)	• flammability (E-162) • smoke emission (ASTM E-662) • smoke toxicity (SMP 800-C)
Producto Products	ROHRflex® PA 6 ROHRflex® PA 12 FLEXAquick® system	SPR-PA



UNI CEI 11170		
	Esta especificación italiana es una norma directriz para la seguridad frente al fuego de los vehículos y locomotoras, clasificándolos en cuatro niveles de seguridad e implanta límites que respetar	This Italian specification is a standard guideline for the fire safety of rail vehicles and track-guided vehicles. It classifies the vehicles in four security levels, and sets limits to be observed.
Tests	• Flamabilidad • Emisión de humos • Toxicidad de humos	• flammability (Oxygen Index) • smoke emission • smoke toxicity
Producto Products	ROHRflex® PA 12 FLEXAquick® system	



Clasificación para los sistemas de tubos para instalaciones eléctricas según EN 61386-23

Datos basados en la medida AD 21,2

Classification for flexible conduit systems for electrical installations DIN EN IEC 61386 part 23

Details are based upon the dimension OD 21,2

Tubos ROHRflex®
ROHRflex® tubings



PA 6

PA 6
V0 conforme a UL 94
PA 6
V0 acc. to UL 94



PA 6 S

PA 6
HB conforme a UL 94
PA 6
HB acc. to UL 94



PA 6-D

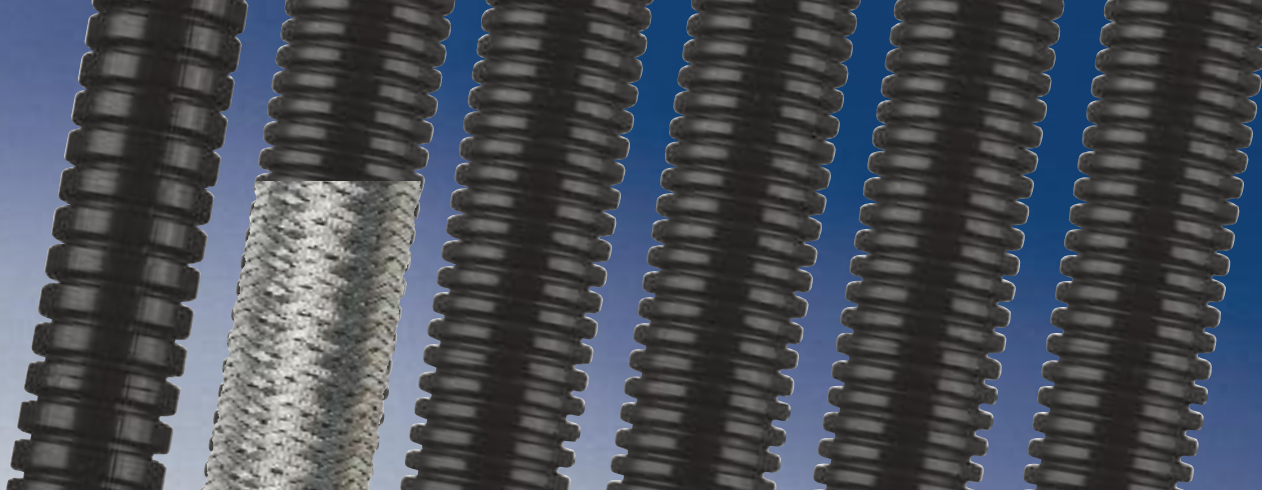
PA 6, pared gruesa
V0 conforme a UL 94
PA 6, thick walled
V0 acc. to UL 94



	A	Resistencia a la compresión	Resistance to compression	2	2	2
	B	Resistencia a los golpes	Resistance to impact	3	3	4
	C	Temperatura mínima	Lower temperature range	2	4	2
	D	Temperatura máxima	Upper temperature range	4	4	2
	E	Resistencia a la flexión	Resistance to bending	4	4	4
	F	Características eléctricas	Electrical characteristics	0	0	0
	G	Resistencia a la introducción de objetos sólidos	Resistance against ingress of solid objects	6	6	6
	H	Resistencia a la introducción de agua	Resistance against ingress of water	7	7	7
	I	Resistencia a la corrosión	Resistance against corrosion	–	–	–
	J	Resistencia a la tracción	Tensile strength	1	1	1
	K	Resistencia a la propagación de la llama	Resistance to flame propagation	1	1	1
	L	Capacidad a la carga suspendida	Suspended load capacity	2	2	2

Clasificación para los sistemas de tubos de instalaciones eléctricas según EN 61386-23

	A	B	C	D	E	F	G	H	I	J	K	L
	N	kg	°C Min.	°C Max.			Tipo de protección IP X	X		N		N
0	–	–	–	–	–	sin aclarar	–	0	–	sin aclarar	–	sin aclarar
1	125	0,5	+5	+60	rígido	con caract. eléct. conductoras	–	1	baja protección	100	sin propagación de llama	20
2	320	1	-5	+90	flexible	con caract. eléct. aislantes	–	2	protección media	250	propagación de llama	30
3	750	2	-15	+105	flexible recuperable	con caract. eléct. conduct. y aislantes	3	3	media int. alta ext.	500	–	150
4	1250	2	-25	+120	flexible	–	4	4	alta protección	1000	–	450
5	4000	6,8	-45	+150	–	–	5	5	–	2500	–	850
6	–	–	–	+250	–	–	6	6	–	–	–	–
7	–	–	–	+400	–	–	7	7	–	–	–	–



PA 6-HT

PA 6, Perfil estrecho
V2 conforme a UL 94
PA 6, fine profil
V2 acc. to UL 94



PA 6-CU

PA 6
HB conforme a UL 94
PA 6
HB acc. to UL 94



PA 12

PA 12
V2 conforme a UL 94
PA 12
V2 acc. to UL 94



PA 12-D

PA 12, pared gruesa
V2 conforme a UL 94
PA 12, thick walled
V2 acc. to UL 94



PP

PP
Retardante de la llama
PP
flame retardant



PU

PU, perfil ancho
HB conforme a UL 94
PU, coarse profile
HB acc. to UL 94

1	2	1	2	1	–
4	3	1	3	4	–
2	2	5	5	4	5
5	4	4	4	2	4
4	4	4	4	4	4
0	3	0	2	2	2
6	6	6	6	6	6
6	7	7	7	7	7
–	4	–	–	–	–
1	1	1	2	1	–
1	1	1	1	1	1
0	2	0	2	2	–

4

Classification for flexible conduit systems for electrical installations DIN EN IEC 61386-23

	A	B	C	D	E	F	G	H	I	J	K	L
	N	kg	° C Min.	° C Max.			Schutzklasse IP X			N		N
0	–	–	–	–	–	non declared	–	0	–	non declared	–	non declared
1	125	0,5	+5	+60	rigid	①	–	1	low protection	100	non flame propagating	20
2	320	1	-5	+90	pliable	②	–	2	medium protection	250	flame propagating	30
3	750	2	-15	+105	pliable self revoc.	③	3	3	medium inside high outside	500	–	150
4	1250	2	-25	+120	flexible	–	4	4	high protec. in- and outside	1000	–	450
5	4000	6,8	-45	+150	–	–	5	5	–	2500	–	850
6	–	–	–	+250	–	–	6	6	–	–	–	–
7	–	–	–	+400	–	–	7	7	–	–	–	–

① with electrical continuity characteristic ② with electrical insulating characteristic ③ with electrical continuity and insulating characteristic

+ resistente o resistencia condicionada - no resistente

	Concen- tración %	Temp. +°C	Poliamida	Poliamida	Poliamida	Poliuretano	Poli- propileno	PVC-blando	Silicona	Termo plástico Elastomer	Nitril- Butadien- Kautschuk
Reactivo			PA 6	PA 66	PA 12	PU	PP	PVC	SI*	TPE	NBR
Aceite hidráulico H y HL		100	+	+	+			-	-		o
Aceite mineral			+	+	+	80% +	20°C +	20°C o	o	-	+
Aceite y grasa		20	+	+	+		o	o	o	o	o
Acetaldehído, acuoso	40	20	o	o	+		+	-	o		20°C o
Acetato butílico	100	20	+	+	+		o	-	o		-
Acetato de vinilo	100	20				-	+	-			
Acetona	100	20	+	+	+	-	+	-	o	o	-
Ácido acético	10	20	o	o	o	-	+	+	o	+	-
Ácido acético puro	100	20	o	o	o	-	+	-	o	o	-
Ácido acrílico	100	>30	-	-	-		-	-	o	-	o
Ácido benzoico, acuoso	cualquiera	40	20% o	20% o	20% o	+	+	20°C +	-		-
Ácido bórico, acuoso	3	20	o	o	o		+	20°C +	o	+	20°C +
Ácido bromhídrico, acuoso	hasta 10	40	-	-	-		50% +	o	o		-
Ácido cítrico	hasta 10	40	20% +	20% +	20% +		+	20°C +	+	+	20°C +
Ácido clorhídrico, acuoso	30	20	20% -	20% -	20% -	20% -	+	10% +	10% +	10% +	o
Ácido fórmico, acuoso	10	20	-	-	-		+	+	o	+	o
Ácido fosfórico, acuoso	diluido	20	10% -	10% -	10% -	3% o	80% +	50% +	85% +	85% +	
Ácido hidrosilicofluórico, acuoso	hasta 30	20	-	-			+	o	-		
Ácido láctico, acuoso	hasta 90	20	10% -	10% -	10% -	3% o	+	+	+	+	+
Ácido nítrico, acuoso	50	20	-	-	-	20% -	o	o	10% o	30% +	
Ácido Oleico	-	20	+	+	+		+	+	o	-	o
Ácido Oxálico	cualquiera	20	10% o	10% o	10% o	3% o	+	+	+		
Ácido sulfúrico, acuoso		20	10% -	10% -	10% -	20% -	85% +	+	10% +	98% +	20°C +
Agua de mar		20	+	+	+	+	+	+	+	+	+
Agua oxigenada (peróxido de hidrógeno)	2	20	-	-	-	+	+	+	+	+	+
Alcohol alílico	96	20	o	o	+		+	-	+		+
Alumbre acuoso	diluido	20	o	o	o		+	+		+	+
Anilina pura	100	20	o	o	o	+	+	-	o	o	-
Benceno	100	20	+	+	+	-	o	-	-	o	+
Benzaldehído, acuoso	saturado	20	puro o	puro o	puro o		+	-	-	o	-
Benzol (Benceno +Tolueno)	100	20	+	+	+		o	-	-	-	-
Bórax, acuoso	diluido	40	+	+	+	-	+	+	o	+	20°C o
Bromo, líquido	100	20	-	-	-	-	-	-	-	-	-
Bromuro potásico, acuoso	cualquiera	20	10% +	10% +	10% +		+	+	+	+	+
Butanodiol, líquido	hasta 10	20	puro +	puro +	puro +	-	+	o	o		-
Butanol	hasta 100	20	+	+	+		+	-	o		+
Carbonato magnésico, acuoso	saturado	100					+	+	+		+
Cianuro férrico, acuoso	saturado	60	o	o	o	o	+	+			
Ciclohexanol		20	+	+	+		+	-	o		-
Clorato sódico, acuoso	saturado	20	10% o	10% o	10% o		+	25% o	20% +	15% +	-
Cloro, gas	cualquiera	20	-	-	-		o	-	-	o	-
Cloruro cálcico, acuoso	saturado	40	+	+	+		+	+	+	+	20°C +
Cloruro de aluminio, acuoso	10	20	+	+	+	+	+	+	o/-	+	20°C +
Cloruro de amoníaco, acuoso	saturado	60	o	o	o	3% o	+	o	o	+	20°C +
Cloruro de metileno	100	20	o	o	o		o	-	-	o	
Cloruro de níquel, acuoso	saturado	20	10% o	10% o	10% o		+	+	+		+
Cloruro de zinc, acuoso	diluido	60	10% o	10% o			+	20°C +	+	10% +	20°C +
Cloruro ferroso, acuoso, neutro	10	20	+	+	+		+	+	+	+	+
Cloruro magnésico, acuoso	saturado	20	10% +	10% +	10% +		+	+	+	+	+
Cloruro potásico, acuoso	10	20	+	+	+		+	+	+	+	+

*Silikon ist gasdurchlässig

+ resistente o resistencia condicionada - no resistente

	Concen- tración %	Temp. +°C	Poliamida	Poliamida	Poliamida	Poliuretano	Poli- propileno	PVC-blando	Silicona	Termo plástico Elastomer	Nitril- Butadien- Kautschuk
Reactivo			PA 6	PA 66	PA 12	PU	PP	PVC	SI*	TPE	NBR
Combustible Diesel		85	+	+	+		+	-	o		+
Cresol, acuoso	cualquiera	20	-	-	-		+	-	o		-
Dicloruro de estaño, acuoso	diluido	40					+	+	o	10% +	-
Dicloruro etílico	100	20	o	o	o			-	-		-
Dicromato potásico, acuoso	40	20	5% o	5% o	5% o		+	+	10% o	+	+
Dioxido de Carbono (CO2)	100	60	+	+	+	-	+	o	+	o	20°C +
Dioxido de Carbono seco	100	60				-	+	+	+		20°C +
Disulfuro de carbono	100	20	+	+	+		+	-	o		-
Etanol	todas	20	+	+	+	20% +	+	+	+	+	+
Eter Etilico	100	20	+	+	+	+	o	-			o
Fluido hidráulico, escasamente inflamable		80	+	+	+		+	-	-	+	-
Flúor, gas	cualquiera	20	-	-	-		-	-	-	-	-
Formalehído, acuoso	cualquiera	20	-	-	-	40°C	40% +	20°C o	o	40% +	o
Fosgeno, gaseoso	100	20					o	-			-
Gases residuales con CO2 (dióxido de carbono)	cualquiera	60	+	+	+			+	+		+
Gases residuales con SO2 (dióxido de azufre)	baja	60	+	+	+		+	+	o		+
Glucosa, acuosa	cualquiera	50					+	+	+		+
Grasa lubricante, base de aceite de silicona		110	+	+	+		+	o	o	-	
Grasa lubricante, base de aceite diéster		110	o	o	+		+	o	o	-	
Grasa lubricante, base de polifenilester		110	+	+		+	-	o	o		
lejía (blanqueador)		20	-	-	-	+	+	+	o		-
Lejía de sosa cáustica, acuosa	10	20	+	+	+	3% o	+	+	30% -	50% -	
Líquidos refrigerantes DIN 53521		120	o	o	o			-			
Mercurio	puro	20	+	+	+		+	o	+		+
Metanol	100	20	+	+	+		50°C +	o	+	+	
Monocloruro de cobre, acuoso	saturado	20					+	+	+	+	+
Nitrato de amoniaco, acuoso	diluido	40	+	+	+		+	+	+		20°C +
Nitrato potásico, acuoso	cualquiera	20	10% +	10% +	10% +		+	+	+	10% +	
Nitroglicerina	diluido	20						-			
Oxido de etileno, líquido	100	20	+	+	+		+	-	-	o	-
Ozono	puro		-	-	-		o	o	+		
Pentóxido de fósforo	100	20					+	+			+
Permanganato potásico, acuoso	saturado	20	5% -	5% -	5% -		+	o	+		+
Queroseno	100	80	+	+	+		+	-	o		
Solución acuosa de amoniaco	saturado	20	20% +	20% +	+	+	+	o	o	o	+
Solución de potasa cáustica, acuosa	50	20	+	+	+	-	+	+	+	10% -	
Solución jabonosa, acuosa	cualquiera	20	+	+	+	+	+	+	+	+	
Sulfato de aluminio, acuoso	diluido	40	+	+	+		+	+	+	+	20°C +
Sulfato de amoniaco, acuoso	diluido	40	+	+	+	o	+	+	+		-
Sulfato de cobre, acuoso	saturado	60	+	+	+	o	+	+	+	+	20°C +
Sulfato de hidroxilamina, acuosa	hasta 12	30	+	+			+	o			+
Sulfato de níquel, acuoso	saturado	20	10% o	10% o	10% o		+	+	+		-
Sulfato de zinc, acuoso	diluido	60					+	20°C +	+	10% +	20°C +
Taladrina			+	+	+			-	o		+
Tetracloruro de carbono	100	20	+	+	+	3% o	-	-	-	-	
Tolueno	100	20	+	+	+	-		-	-	+	
Tricloroetileno	100	20	o	o	o		o	-	-	-	
Urea acuosa	hasta 10	40	20% +	20% +	20% +	3% +	+	+	+		
Xileno	100	20	+	+	+		o	-	-	-	-

Quelle : Kunststoff-Tabellen, B. Carlowitz, Carl Hanser Verlag und andere

Die oben genannten Angaben ermöglichen eine Vorauswahl. Sie dienen jedoch nicht dazu, bestimmte Eigenschaften der Produkte oder deren Eignung für einen konkreten Einsatzzweck zuzusichern. Sie entbinden den Käufer nicht von der ihm obliegenden Eingangskontrolle.

+ resistant o conditionally resistant - not resistant

	Concen- tration %	at temp. +°C	Polyamide	Polyamide	Polyamide	Thermo- plastic polyurethane	Poly- propylen	Soft PVC	Silicone	Thermo plastic Elastomer	Nitrile- Butadiene rubber
Reagents			PA 6	PA 6	PA 12	PU	PP	PVC	SI*	TPE	NBR
Acetaldehyde, hydrous	40	20	o	o	+		+	-	o		20°C o
Acetic acid	10	20	o	o	o	-	+	+	o	+	-
Acetic acid pure	100	20	o	o	o	-	+	-	o	o	-
Acetone	100	20	+	+	+	-	+	-	o	o	-
Acrylic acid	100	> 30	-	-	-		-	-	o	-	o
Allyl alcohol	96	20	o	o	+		+	-	+		+
Alum, hydrous	dilute	20	o	o	o		+	+		+	+
Aluminium chloride, hydrous	10	20	+	+	+	+	+	+	o/-	+	20°C +
Aluminium sulphate, hydrous	dilute	40	+	+	+		+	+	+	+	20°C +
Ammonia solution, hydrous	saturated	20	20% +	20% +	+	+	+	o	o	o	+
Ammonium chloride, hydrous	saturated	60	o	o	o	3% o	+	o	o	+	20°C +
Ammonium nitrate, hydrous	dilute	40	+	+	+		+	+	+		20°C +
Ammonium sulphate, hydrous	dilute	40	+	+	+		+	+	+		-
Aniline, pure	100	20	o	o	o	o	+	-	o	o	-
Benzaldehyde, hydrous	saturated	20	pure o	pure o	pure o		+	-	-	o	-
Benzine	100	20	+	+	+	+	o	-	-	o	+
Benzoic acid, hydrous	any	40	20% o	20% o	20% o		+	20°C +	-		-
Benzole	100	20	+	+	+	-	o	-	-	-	-
Bleaching liquor		20	-	-	-	+	+	+	o		-
Borax, hydrous	dilute	40	+	+	+		+	+	o	+	20°C o
Boric acid, hydrous	3	20	o	o	o	+	+	20°C +	o	+	20°C +
Bromine, liquid	100	20	-	-	-	-	-	-	-	-	-
Butanediol, hydrous	up to 10	20	pure +	pure +	pure +		+	o	o		-
Butanol	up to 100	20	+	+	+	-	+	-	o		+
Butylacetate	100	20	+	+	+	-	o	-	o		-
Calcium chloride, hydrous	saturated	40	+	+	+		+	+	+	+	20°C +
Carbon disulphide	100	20	+	+	+		+	-	o		-
Carbon dioxide	100	60	+	+	+		+	o	+	o	20°C +
Carbon dioxide, dry	100	60					+	+	+		20°C +
Carbon tetrachloride	100	20	+	+	o	-	-	-	-	-	
Caustic potash solution, hydrous	50	20	+	+	+	-	+	+	o	10% +	
Caustic soda lye, hydrous	10	20	+	+	+	3% o	+	+	30% +	50% +	
Chlorine, gas	any	20	-	-	-	-	o	-	-	o	-
Citric Acid	up to 10	40	20°C +	20°C +	20°C +	3% o	+	20°C +	+	+	20°C +
Cooling liquids DIN 53521		120	o	o	+			-			
Copper monochloride, hydrous	saturated	20					+	+	+	+	+
Copper sulphate, hydrous	saturated	60	+	+	+		+	+	+	+	20°C +
Cresol, hydrous	any	20	-	-	-		+	-	o		-
Cyclohexanol	-	20	+	+	+	o	+	-	o		-
Diesel fuel		85	+	+	+	20°C +	+	-	o		+
Drilling oil			+	+	+			-	o		+
Ethanol	all	20	+	+	+	+	+	+	+	+	+
Ethyl dichloride	100	20	o	o	o			-	-		-
Ethyl ether	100	20	+	+	+	o	o	-			o
Ethylene oxide, liquid	100	20	+	+	+		+	-	-	o	-
Ferric cyanide, hydrous	saturated	60	o	o	o		+	+			
Ferrous chloride, hydrous, indiff.	10	20	+	+	+	40°C o	+	+	+	+	+
Fluorine, gas	any	20	-	-	-	-	-	-	-	-	-
Formaldehyde, hydrous	any	20	-	-	-		40% +	20°C o	o	40% +	o
Formic acid, hydrous	10	20	-	-	-		+	+	o	+	o

*Silikone is gaspermeable

+ resistant o conditionally resistant - not resistant

	Concentration %	at temp. +°C	Polyamide	Polyamide	Polyamide	Thermo-plastic Polyurethane	Polypropylen	Soft PVC	Silicone	Thermo plastic Elastomer	Nitrile-Butadiene rubber
Reagents			PA 6	PA 66	PA 12	PU	PP	PVC	SI*	TPE	NBR
Glucose, hydrous	any	50					+	+	+		+
Hydraulic fluid, hardly inflammable		80	+	+	+		+	-	-	+	-
Hydraulic oil H and HL (DIN 51524)		100	+	+	+			-	-		o
Hydrobromic acid, hydrous	up to 10	40	-	-	-		50%+	o	o		-
Hydrochloric acid, hydrous	30	20	20% -	20% -	20% -	20% -	+	10% +	10% +	10% +	o
Hydrogenperoxide	2	20	-	-	-	+	+	+	+	+	+
Hydrosilicofluoric acid, hydrous	up to 30	20	-	-			+	o	-		
Hydroxylamine sulphate, hydrous	up to 12	30	+	+			+	o			+
Kerosine	100	80	+	+	+		+	-	o		
Lactic acid, hydrous	up to 90	20	10% +	10% +	10% +	3% o	+	+	+	+	+
Lubricating grease, base diester oil		110	o	o	+		+	o	o	-	
Lubricating grease, base polyphenylester		110	+	+		+	-	o	o		
Lubricating grease, base silicone oil		110	+	+	+		+	o	o	-	
Magnesium carbonate, hydrous	saturated	100					+	+	+		
Magnesium chloride, hydrous	saturated	20	10% +	10% +	10% +		+	+	+	+	+
Mercury	pure	20	+	+	+		+	o	+		+
Methanol	100	20	+	+	+		50°C +	o	+	+	+
Methylene chloride	100	20	o	o	o		o	-	-	o	
Mineral oil			+	+	+	80% +	20°C +	20°C o	o	-	
Nickel chloride, hydrous	saturated	20	10% o	10% o	10% o		+	+	+		+
Nickel sulphate, hydrous	saturated	20	10% o	10% o	10% o		+	+	+		+
Nitric acid, hydrous	50	20	-	-	-	20% -	o	o	10% o	30% +	-
Nitro glycerin	dilute	20						-			
Oil and grease		20	+	+	+		o	o	o	o	
Oleic acid	-	20	+	+	+		+	+	o	-	o
Oxalic acid	any	20	10% o	10% o	10% o	3% o	+	+	+		o
Ozone	pure		-	-	-		o	o	+		
Phosgene, gaseous	100	20					o	-			
Phosphoric acid, hydrous	dilute	20	10% -	10% -	10% -	3% o	80% +	50% +	85% +	85% +	-
Phosphorus pentoxide	100	20					+	+			
Potassium bromide, hydrous	any	20	10% +	10% +	10% +		+	+	+	+	+
Potassium chloride, hydrous	10	20	+	+	+		+	+	+	+	+
Potassium dichromate, hydrous	40	20	5% o	5% o	5% o		+	+	10% o	+	+
Potassium nitrate, hydrous	any	20	10% +	10% +	10% +		+	+	+	10% +	+
Potassium permanganate, hydrous	saturated	20	5%-	5%-	5%-		+	o	+		
Sea water		20	+	+	+	+	+	+	+	+	+
Soap solution, hydrous	any	20	+	+	+	+	+	+	+	+	+
Sodium chlorate, hydrous	saturated	20	10% o	10% o	10% o		+	25% o	20% +	15% +	
Sulphuric acid, hydrous		20	10%-	10%-	10%-	20% -	85% +	+	10% +	98% +	-
Tin dichloride, hydrous	dilute	40					+	+	o	10% +	20°C +
Toluene	100	20	+	+	+	-		-	-	+	-
Trichloroethylene	100	20	o	o	o		o	-	-	-	
Urea, hydrous	up to 10	40	20% +	20% +	20% +	3%+	+	+	+		
Vinyl acetate	100	20				-	+	-			
Waste gas, containing carbon dioxide	any	60	+	+	+			+	+		+
Waste gas, containing SO2	low	60	+	+	+		+	+	o		+
Xylene	100	20	+	+	+		o	-	-	-	-
Zinc chloride, hydrous	dilute	60	10% o	10% o			+	20°C +	+	10% +	20°C +
Zinc sulphate, hydrous	dilute	60					+	20°C +	+	10% +	20°C +

Origin : Kunststoff-Tabellen, B. Carlowitz, Carl Hanser Verlag, and others

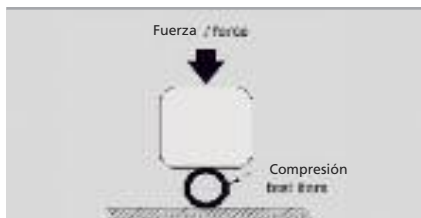
The above mentioned data enable a preselection. However the data don't promise definite properties of the products or their suitability for a concrete application purpose. The data don't release the purchaser from checking the products' quality conformance.

Métodos de ensayos

Testing methods

FLEXA Tests según norma EN 61386-23

FLEXA Tests acc. EN 61386-23



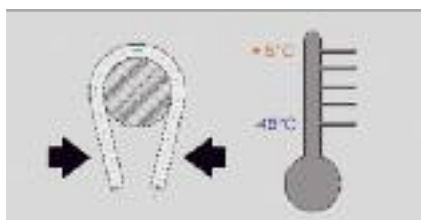
Test de Compresión
según norma 1008 Flexa
Compressions test
acc. to Flexa norm 1008



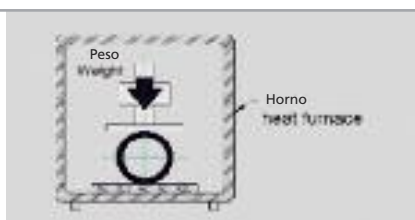
Test de impacto
según norma 1008 Flexa
Impact test
acc. to Flexa norm 1008



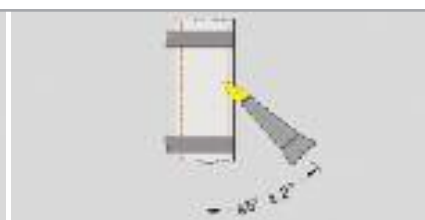
Test Flexibilidad / Ensayo de curvado alterno
según norma 1036 Flexa
Flexibility test / Alternate bending test
acc. to Flexa norm 1036



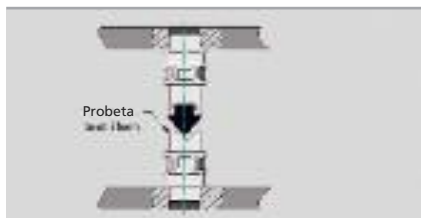
Temperatura mín. de uso e instalación
según norma 1008 Flexa
Minimum continued use and installation temperature
acc. to Flexa norm 1008



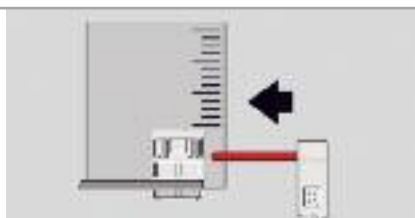
Temperatura máx. de uso e instalación
según norma 1008 Flexa
Maximum continued use and installation temperature
acc. to Flexa norm 1008



Resistencia a la propagación de la llama
según norma 1008 Flexa
Resistance against flame spreading
acc. to Flexa norm 1008



Test tension / Ensayo rotura
según norma 1008 Flexa
Tensile strength test / Pull out test
acc. to Flexa norm 1008



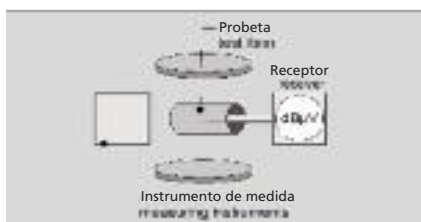
Test Hilo incandescente
según norma 1029 Flexa
Glow wire test
acc. to Flexa norm 1029



Índice de protección IP
según norma 1014 Flexa
IP protection class test
acc. to Flexa norm 1014

EMC-Métodos de ensayos

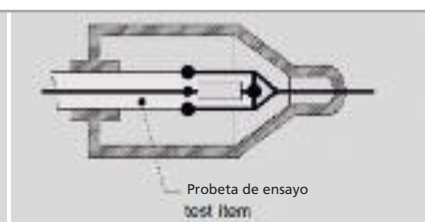
EMC-test methods



VG 95373 Teil 41 KS 06 B
VG 95373 part 41 KS 06 B



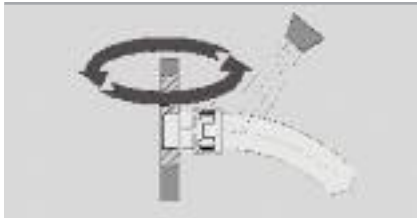
DIN VDE 0877
Medida de la inmunidad a las interferencias
Measuring of immunity to interference



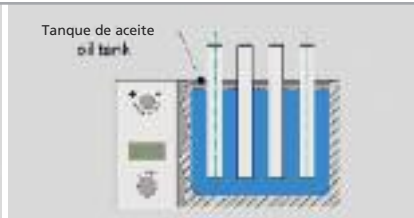
VDE 0245 Transferencia superficial
VDE 0245 Surface transfer

FLEXA Normas de ensayos

FLEXA standard tests



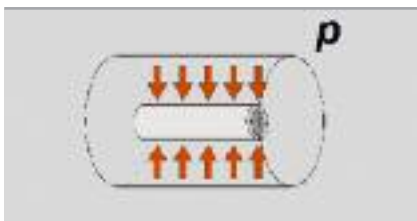
Test Protección dinámica
según norma 1014 Flexa
Dynamic protection class test
acc. to Flexa norm 1014



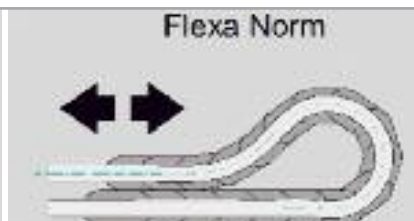
Test de Temperatura
según norma 1034 Flexa
Temperature tests
acc. to Flexa norm 1034



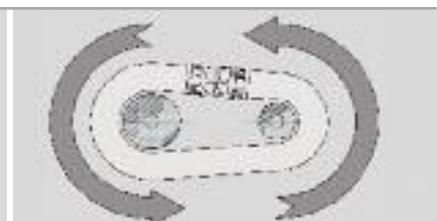
Resistencia a la intemperie
según norma 1034 Flexa
Outdoor weathering
acc. to Flexa norm 1034



Test de Autoenclave
según norma 1041 Flexa
Autoclaves test
acc. to Flexa norm 1041



Test movimiento de cadena guiada con tubo de protección integrado
según norma 1044 Flexa
Motion test guiding chain with integrated electrical protective tubing
acc. to Flexa norm 1044

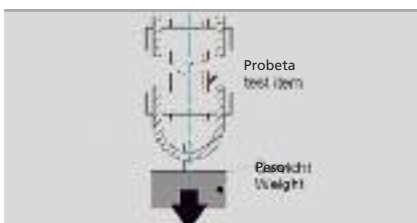


Test Resistencia a la flexión
según norma 1042 Flexa
Flexing endurance test
acc. to Flexa norm 1042

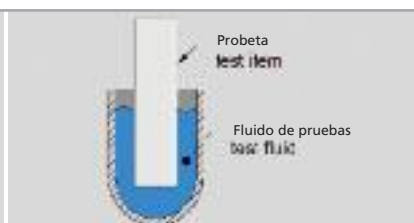
Tanque de aceite

Ensayos según normas UL/CSA

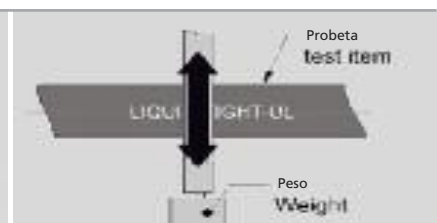
Tests acc. to UL / CSA norms



Test de tensión s/ UL 360
Tension test UL 360



Test de Cincado s/ UL 360
Zinc-Coating test UL 360



Ensayo de marcado UL 360
Label test UL 360



Test de Vibración s/ UL 514 B
Vibration test UL 514 B



Test de Flexibilidad s/ CSA-C 22,2
Nr. 227, 3-M91
Flexibility test CSA-C 22,2
No. 227, 3-M91



Test de resistencia y caída de tensión según UL 360
Resistance test and voltage drop test UL 360

Normas de roscas

Thread standards

Rosca / thread PG			Rosca / thread Métrica metric			Rosca / thread CTG / Whitworth-R				Rosca / thread NPT			Rosca / thread UNEF		
PG	exterior outer Ø	paso pitch	M	exterior outer Ø	paso pitch	CTG	R	exterior outer Ø	paso pitch	NPT	exterior outer Ø	paso pitch	UNEF	exterior outer Ø	paso pitch
			10	10,0	1,0								1/2" (0,500)-28	12,700	0,907
7	12,5	1,27	12	12,0	1,5										
								1/4"	13,16	1,34	1/4"	13,716	1,411		
9	15,2	1,41													
													5/8" (0,6250)-24	15,875	1,058
			16	16,0	1,5										
										3/8"	17,145	1,411			
11	18,6	1,41													
													3/4" (0,7500)-20	19,050	1,270
13,5	20,4	1,41	20	20,0	1,5	G 16	1/2"	20,96	1,81						
										1/2"	21,336	1,814			
16	22,5	1,41											7/8" (0,8750)-20	22,225	1,270
													15/16"(0,9375)-20	23,813	1,270
			25	25,0	1,5								1" (1,0000)-20	25,400	1,270
						G 22	3/4"	26,44	1,81	3/4"	26,670	1,814			
21	28,3	1,588													
													1 3/16"(1,1875)-18	30,163	1,411
			32	32,0	1,5										
						G 28	1"	33,25	2,31	1"	33,401	2,208			
													1 7/16"(1,4375)-18	36,513	1,411
29	37,0	1,588													
			40	40,0	1,5										
						G 36	1 1/4"	41,91	2,208	1 1/4"	42,164	2,208	1 3/8" (1,375) -18	34,925	1,411
													1 3/4" (1,7500)-18	44,450	1,7205
36	47,0	1,588	50	50,0	1,5	G 42	1 1/2"	47,8	2,31						
										1 1/2"	48,260	2,208			
													2" (2,0000)-18	50,8	1,9706
42	54,0	1,588													
48	59,3	1,588				G 54	2"	59,61	2,31	2"	60,325	2,208			
			63	63,0	1,5										
Rosca PG según norma DIN 40430			Rosca métrica según EN 60423 IEC 423 o BS 6053 ISO 68/DIN13			Rosca G según norma JIS B 0204 o DIN ISO 228-1 o BS 2779				Rosca NPT según norma ANSI / ASME B 1.20.1			Rosca UNEF según norma ANSI / ASME B 1.1		
PG thread acc. to DIN 40430			M thread acc. to EN 60423 resp. IEC 423 or BS 6053 ISO 68/DIN 13			G thread acc. to JIS B 0204 resp. DIN ISO 228-1 or BS 2779				NPT thread acc. to ANSI / ASME B 1.20.1			UNEF thread acc. to ANSI / ASME B 1.1		

Índice de productos

Product overview

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Índice productos A - Z

Products A - Z

Producto Product type	Página page	Producto Product type	Página page
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0237.202.0..	ROHRflex® PA 6-D	negro black	2. 4
0237.232.0..	ROHRflex® PA 6-D	negro black	2. 4
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5020.036.0..	RQW-M	gris grey	3. 31
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5020.037.0..	RQG-M	gris grey	3. 6
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5020.082.0..	RQG1-S	gris grey	3. 22
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5020.088.2..	RQBK90-P	negro black	3. 25
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5030.012.2..	RQE	negro black	3. 35
5030.020.0..	RQS	gris grey	3. 45
5030.020.2..	RQS	negro black	3. 45
5030.021.0..	RQA	gris grey	3. 35
5030.021.2..	RQA	negro black	3. 35
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5030.025.2..	RQH	negro black	3. 44
5030.025.0..T	RQHG	gris grey	3. 45
5030.025.2..T	RQHG	negro black	3. 45
5030.026.0..	RQHD	gris grey	3. 44
5030.026.2..	RQHD	negro black	3. 44
5030.027.0..	RQHV	gris grey	3. 44
5030.027.2..	RQHV	negro black	3. 44
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5032.007.0..	Multi-WFP	gris grey	3. 39
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5100.0.. . 2..	RQB45-M	negro black	3. 28
5101.0.. . 0..	RQB1 45-M	gris grey	3. 30
5101.0.. . 2..	RQB1 45-M	negro black	3. 30
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5103.0.. . 0..	RQB90-M	gris grey	3. 24
5103.0.. . 2..	RQB90-M	negro black	3. 24
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5107.0.. . 0..	RQGK-M	gris grey	3. 8
5107.0.. . 2..	RQGK-M	negro black	3. 8

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5107.4.. . 0..	RQGK-P	gris grey	3. 8
5107.4.. . 2..	RQGK-P	negro black	3. 8
5108.0.. . 0..	RQGK2-M	gris grey	3. 19
5108.0.. . 2..	RQGK2-M	negro black	3. 19
5109.0.. . 0..	RQGZ1-M	gris grey	3. 16
5109.0.. . 2..	RQGZ1-M	negro black	3. 16
5110.0.. . 0..	RQGKZ-M	gris grey	3. 14
5110.0.. . 2..	RQGKZ-M	negro black	3. 14
5111.0.. . 0..	RQGKZE-M	gris grey	3. 15
5111.0.. . 2..	RQGKZE-M	negro black	3. 15
5112. 2..	RQGKZP-M	negro black	3. 12
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5500.0.. . 2..	RQGKZ-P	negro black	3. 14
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5521.0.. . 2..	RQBK90DR-P	negro black	3. 26
5524.0.. . 2..	RQPRO	negro black	3. 37
5601.0.. . 0..	RQGR	gris grey	3. 43
5601.0.. . 2..	RQGR	negro black	3. 43
5602.0.. . 0..	RQK-PA	gris grey	3. 42
5602.0.. . 2..	RQK-PA	negro black	3. 42
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5604.0.. . 2..	RQGST-M	negro black	3. 23
5605.0.. . 2..	RQMR	negro black	3. 47
5606.0.. . 2..	RQMR-Kabel	negro black	3. 47
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La Seguridad basada en la Calidad Security based on Quality



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TA-67



GAESTOPAS

Sistema de Tubos de Protección

Tarifa de precios Julio 2017



Referencia	P.V.P (€/1)
0206.201.070	30,7070
0206.201.095	39,7900
0206.202.056	29,1540
0206.202.070	30,7070
0206.202.095	39,7900
0207.201.070	45,4730
0207.201.095	63,5950
0207.202.056	82,2460
0207.202.070	45,4730
0207.202.095	63,5950
0231.002.006	0,7270
0231.002.010	0,7600
0231.002.012	0,9690
0231.002.014	1,3570
0231.002.016	1,3840
0231.002.023	1,8520
0231.002.029	2,2480
0231.002.036	3,3410
0231.002.048	4,8630
0232.201.006	0,7200
0232.201.010	0,7200
0232.201.012	1,0380
0232.201.014	1,4030
0232.201.016	1,7170
0232.201.023	2,5880
0232.201.029	3,4510
0232.201.036	4,4550
0232.201.048	6,3200
0233.202.006	1,1780
0233.202.010	1,2290
0233.202.012	1,4850
0233.202.014	1,9250
0233.202.016	2,3200
0233.202.023	3,6650
0233.202.029	4,1760
0233.202.036	5,1270
0233.202.048	8,9770
0233.204.006	1,1780
0233.204.010	1,2290
0233.204.012	1,4850
0233.204.014	1,9250
0233.204.016	2,3200
0233.204.023	3,6650
0233.204.029	4,1760
0233.204.036	5,1270
0233.204.048	8,9770
0233.209.006	0,7200
0233.209.010	0,7200
0233.209.012	1,0380
0233.209.014	1,4030
0233.209.016	1,7170
0233.209.023	2,5880
0233.209.029	3,4510

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0233.209.036	4,4550
0233.209.048	6,3200
0233.232.016	2,2160
0233.232.023	3,5010
0233.232.029	3,9880
0233.232.036	4,8980
0233.232.048	8,5740
0236.201.006	1,8130
0236.201.010	2,1300
0236.201.012	3,0310
0236.201.014	4,2460
0236.201.016	4,0820
0236.201.023	6,3930
0236.201.029	8,8080
0236.201.036	14,7020
0236.201.048	17,7270
0236.202.006	1,8130
0236.202.010	2,1300
0236.202.012	3,0310
0236.202.014	4,2460
0236.202.016	4,0820
0236.202.023	6,3930
0236.202.029	8,8080
0236.202.036	14,7020
0236.202.048	17,7270
0236.209.006	1,8130
0236.209.010	2,1300
0236.209.012	3,0310
0236.209.016	4,0820
0236.209.023	6,3930
0236.209.029	8,8080
0236.209.036	14,7020
0236.209.048	17,7270
0236.232.016	4,0820
0236.232.023	6,3930
0236.232.029	8,8080
0236.232.036	14,7020
0236.232.048	17,7270
0237.202.006	1,8650
0237.202.010	1,9450
0237.202.012	2,1360
0237.202.014	2,5820
0237.202.016	2,9180
0237.202.023	4,5640
0237.202.029	6,3050
0237.202.036	9,5130
0237.202.048	11,8730
0237.232.016	2,9180
0237.232.023	5,0200
0237.232.029	6,9350
0237.232.036	10,4650
0237.232.048	11,8730
0239.601.008	0,6660

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0239.601.011	0,7250
0239.601.014	0,9500
0239.601.020	1,0510
0239.601.025	1,6670
0239.601.030	2,0090
0239.601.038	2,7470
0239.601.050	2,5180
0239.601.060	3,0070
0239.601.080	4,3750
0239.602.008	0,6660
0239.602.011	0,7250
0239.602.014	0,9500
0239.602.020	1,0510
0239.602.025	1,6670
0239.602.030	2,0090
0239.602.038	2,7470
0239.602.050	2,5180
0239.602.060	3,0070
0239.602.080	4,3750
0239.692.011	18,2330
0239.692.014	21,1980
0239.692.020	22,1610
0239.692.025	17,1210
0239.692.050	22,9770
0254.202.006	2,7150
0254.202.010	4,1040
0254.202.012	4,3030
0254.202.016	5,8030
0254.202.023	10,4990
0254.202.029	11,7780
0254.202.036	16,1080
0254.202.048	23,4400
0255.202.110	65,9260
0255.202.112	72,0860
0255.202.116	73,2930
0255.202.123	95,7250
0255.202.129	119,7400
0255.202.136	133,1010
0255.202.148	159,4870
0258.202.006	3,5990
0258.202.010	4,2120
0258.202.012	5,9330
0258.202.016	8,7250
0258.232.016	8,1730
0258.232.023	13,5060
0258.232.029	18,1180
0258.232.036	25,3390
0258.232.048	33,4950
0269.202.006	4,7020
0269.202.008	5,8380
0269.202.010	6,1770
0269.202.014	6,9590
0269.202.019	8,2580

Referencia	P.V.P (€/1)
0269.202.020	9,8170
0269.202.024	11,0350
0269.202.026	14,2890
0269.202.032	16,4380
0269.202.043	24,7540
0269.202.061	62,4660
0269.202.106	4,8890
0269.202.108	6,0720
0269.202.110	6,4220
0269.202.114	7,2370
0269.202.120	10,2090
0269.202.126	14,8600
0269.202.132	17,0950
0269.202.143	25,7440
0269.202.161	64,9650
0270.032.006	4,1540
0270.032.008	5,2670
0270.032.010	5,6640
0270.032.014	6,4010
0270.032.019	7,7230
0270.032.020	8,9140
0270.032.024	10,0550
0270.032.026	13,4080
0270.032.032	15,8850
0270.032.043	23,1120
0270.032.061	57,1360
0270.032.106	4,3200
0270.032.108	5,4790
0270.032.110	5,8900
0270.032.114	6,6580
0270.032.120	9,2690
0270.032.126	13,9440
0270.032.132	16,5220
0270.032.143	24,0370
0270.032.161	59,4220
0289.902.010	3,5900
0289.902.012	4,9060
0289.932.016	5,2540
0289.932.023	6,5810
0289.932.029	10,4170
0289.932.036	12,4010
0289.932.048	15,6090
0308.000.007	0,9480
0308.000.009	1,0000
0308.000.011	1,0290
0308.000.013	1,0560
0308.000.016	1,1110
0308.000.021	1,3030
0308.000.029	1,7710
0308.000.036	2,1120
0308.000.048	2,8260
0308.000.070	14,5890
0308.000.095	18,0730

Referencia	P.V.P (€/1)
0308.012.013	1,0100
0308.012.016	1,0460
0315.000.009	6,3120
0315.000.011	6,7750
0315.000.013	7,0110
0315.000.016	8,4520
0315.000.021	10,3440
0315.000.029	12,9780
0315.000.036	15,5970
0315.000.048	18,4100
0315.001.020	7,0380
0315.001.025	8,4640
0315.001.032	10,3710
0315.001.040	13,0750
0315.001.050	15,6530
0315.001.063	18,7770
0318.000.016	7,2760
0318.000.020	7,7090
0318.000.025	8,1580
0318.000.032	8,5910
0318.000.040	9,9220
0318.000.050	10,8050
0318.000.063	11,2370
0433.000.010	109,4600
0433.000.011	231,4070
0433.001.010	41,6190
0433.001.011	64,9270
0461.702.010	16,9190
0461.702.012	20,9320
0461.702.016	23,5710
0461.702.029	46,9990
0461.702.036	58,2180
0461.702.048	72,3670
2061.809.010	48,0310
2061.809.015	54,8910
2061.809.020	60,6960
2061.809.022	65,4460
2061.809.025	68,0860
2061.809.030	87,6140
2061.809.035	106,0890
2061.809.040	137,7550
2061.809.050	169,9510
2061.809.060	200,5650
2061.898.025	15,4410
2061.899.025	32,9880
2061.899.050	51,4100
2061.899.075	75,7380
2061.899.100	98,4350
4050.101.008	4,3440
4050.101.013	5,6870
4050.101.017	6,0770
4050.101.025	9,5740
4050.101.040	12,7550

Referencia	P.V.P (€/1)
4050.101.055	17,1000
5010.027.016	4,8710
5010.027.021	5,0060
5010.027.029	5,3790
5010.027.036	5,5970
5010.027.048	6,3390
5010.031.016	5,4180
5010.031.020	5,5400
5010.031.025	6,0900
5010.031.032	6,2420
5010.031.040	6,4060
5010.031.050	7,1200
5010.031.063	19,5680
5020.006.211	3,4590
5020.006.216	3,5560
5020.006.221	3,8900
5020.008.201	8,5460
5020.008.202	9,9790
5020.017.205	5,0630
5020.017.206	5,0630
5020.017.208	19,9530
5020.017.209	23,7720
5020.017.210	23,7720
5020.017.214	8,6620
5020.017.215	12,5210
5020.017.216	12,5210
5020.017.217	19,9530
5020.019.206	15,7820
5020.019.214	22,4170
5020.019.216	27,5280
5020.019.217	41,6480
5020.020.016	3,8210
5020.020.021	4,2680
5020.020.029	5,0850
5020.020.036	5,4060
5020.020.048	7,2310
5020.020.216	3,8210
5020.020.221	4,2680
5020.020.229	5,0850
5020.020.236	5,4060
5020.020.248	7,2310
5020.022.205	8,6640
5020.022.206	10,7050
5020.022.209	33,2200
5020.022.210	33,2200
5020.022.214	15,1990
5020.022.216	18,6640
5020.022.217	28,2370
5020.026.007	1,9270
5020.026.009	1,9470
5020.026.011	1,9470
5020.026.013	2,2450
5020.026.014	2,2460

Referencia	P.V.P (€/1)
5020.026.016	2,2450
5020.026.021	3,0540
5020.026.029	4,1500
5020.026.036	5,0240
5020.026.048	5,8290
5020.026.207	1,9270
5020.026.209	1,9470
5020.026.211	1,9470
5020.026.213	2,2450
5020.026.214	2,2460
5020.026.216	2,2450
5020.026.221	3,0540
5020.026.229	4,1500
5020.026.236	5,0240
5020.026.248	5,8290
5020.027.001	1,7550
5020.027.002	1,7660
5020.027.003	1,9260
5020.027.004	1,9810
5020.027.005	1,9260
5020.027.006	2,1230
5020.027.007	1,9490
5020.027.008	3,3360
5020.027.009	2,7960
5020.027.010	1,9490
5020.027.201	1,7550
5020.027.202	1,7660
5020.027.203	1,9260
5020.027.204	1,9810
5020.027.205	1,9260
5020.027.206	2,1230
5020.027.207	1,9490
5020.027.208	3,3360
5020.027.209	2,7960
5020.027.210	1,9490
5020.028.007	2,5020
5020.028.009	2,4300
5020.028.011	2,4370
5020.028.013	3,0630
5020.028.016	2,9660
5020.028.021	3,3200
5020.028.029	4,9680
5020.028.036	6,1650
5020.028.048	7,8020
5020.028.207	2,5020
5020.028.209	2,4300
5020.028.211	2,4370
5020.028.213	3,0630
5020.028.216	2,9660
5020.028.221	3,3200
5020.028.229	4,9680
5020.028.236	6,1650
5020.028.248	7,8020

Referencia	P.V.P (€/1)
5020.029.211	2,4300
5020.029.213	2,4300
5020.031.012	4,7370
5020.031.016	5,4570
5020.031.017	10,5350
5020.031.020	5,7470
5020.031.023	11,0780
5020.031.025	6,3220
5020.031.032	7,4480
5020.031.040	10,2990
5020.031.050	15,9840
5020.031.063	20,5440
5020.031.212	4,7370
5020.031.216	5,4570
5020.031.217	10,5350
5020.031.220	5,7470
5020.031.223	11,0780
5020.031.225	6,3220
5020.031.232	7,4480
5020.031.240	10,2990
5020.031.250	15,9840
5020.031.263	20,5440
5020.032.001	6,2260
5020.032.002	6,5650
5020.032.003	7,0310
5020.032.004	7,4130
5020.032.006	9,1050
5020.032.008	9,4800
5020.032.009	11,1680
5020.032.010	12,1720
5020.032.011	13,1350
5020.032.201	6,2260
5020.032.202	6,5650
5020.032.203	7,0310
5020.032.204	7,4130
5020.032.206	9,1050
5020.032.208	9,4800
5020.032.209	11,1680
5020.032.210	12,1720
5020.032.211	13,1350
5020.033.005	3,5230
5020.033.006	4,8980
5020.033.007	5,0560
5020.033.008	5,7590
5020.033.009	6,7010
5020.033.205	3,5230
5020.033.206	4,8980
5020.033.207	5,0560
5020.033.208	5,7590
5020.033.209	6,7010
5020.033.210	7,0950
5020.033.211	8,2040
5020.033.212	4,9340

Referencia	P.V.P (€/1)
5020.033.213	4,9340
5020.034.007	4,7370
5020.034.009	5,4570
5020.034.011	5,7470
5020.034.013	5,8080
5020.034.014	5,9490
5020.034.015	6,3220
5020.034.016	6,3740
5020.034.021	7,4480
5020.034.029	10,2990
5020.034.036	15,9840
5020.034.048	20,5440
5020.034.207	4,7370
5020.034.209	5,4570
5020.034.211	5,7470
5020.034.213	5,8080
5020.034.214	5,9490
5020.034.215	6,3220
5020.034.216	6,3740
5020.034.221	7,4480
5020.034.229	10,2990
5020.034.236	15,9840
5020.034.248	20,5440
5020.036.016	2,4300
5020.036.020	2,4370
5020.036.025	2,9660
5020.036.032	4,5250
5020.036.040	5,7680
5020.036.050	7,3030
5020.036.063	7,8020
5020.036.216	2,4300
5020.036.220	2,4370
5020.036.225	2,9660
5020.036.232	4,5250
5020.036.240	5,7680
5020.036.250	7,3030
5020.036.263	7,8020
5020.037.010	1,9260
5020.037.012	1,9470
5020.037.016	1,9470
5020.037.018	3,7610
5020.037.020	2,2450
5020.037.025	3,0540
5020.037.032	4,1500
5020.037.038	5,0240
5020.037.040	5,0240
5020.037.045	5,0240
5020.037.050	5,8290
5020.037.063	5,8290
5020.037.210	1,9260
5020.037.212	1,9470
5020.037.216	1,9470
5020.037.218	3,7610

Referencia	P.V.P (€/1)
5020.037.220	2,2450
5020.037.225	3,0540
5020.037.232	4,1500
5020.037.238	5,0240
5020.037.240	5,0240
5020.037.245	5,0240
5020.037.250	5,8290
5020.037.263	5,8290
5020.038.221	3,0540
5020.038.227	4,1490
5020.039.221	3,3200
5020.039.228	4,9670
5020.041.001	9,7670
5020.041.002	10,8010
5020.041.008	9,8670
5020.041.010	11,9000
5020.041.011	12,4160
5020.041.012	14,5930
5020.041.013	15,1930
5020.041.201	9,7670
5020.041.202	10,8010
5020.041.208	9,8670
5020.041.210	11,9000
5020.041.211	12,4160
5020.041.212	14,5930
5020.041.213	15,1930
5020.046.205	3,1640
5020.046.206	3,3040
5020.046.209	15,9500
5020.046.210	7,3670
5020.046.214	5,8650
5020.046.217	12,6760
5020.047.202	3,2650
5020.047.203	3,3640
5020.047.204	3,7960
5020.047.205	3,3640
5020.047.206	3,7960
5020.047.207	4,1430
5020.047.208	4,1480
5020.047.209	4,1740
5020.047.210	3,7960
5020.047.211	4,1740
5020.047.212	4,1830
5020.047.213	4,8670
5020.047.214	4,8260
5020.047.215	4,2860
5020.047.216	4,9330
5020.047.217	4,9330
5020.047.218	6,2490
5020.047.219	4,2860
5020.047.220	6,3320
5020.047.221	6,3940
5020.047.222	4,1830

Referencia	P.V.P (€/1)
5020.047.223	4,8260
5020.047.224	6,2490
5020.047.225	3,7960
5020.047.227	5,1520
5020.047.228	8,3640
5020.047.229	8,4040
5020.047.230	5,0240
5020.047.231	8,3870
5020.047.232	4,5530
5020.047.233	7,2570
5020.047.234	7,2920
5020.047.235	9,5440
5020.047.236	5,4030
5020.047.237	8,5100
5020.047.238	8,7220
5020.047.239	6,6360
5020.049.007	1,5810
5020.049.009	1,5370
5020.049.011	1,5920
5020.049.013	1,9210
5020.049.016	1,7880
5020.049.021	2,5550
5020.049.029	3,4120
5020.049.036	4,5770
5020.049.048	6,6140
5020.049.207	1,5810
5020.049.209	1,5370
5020.049.211	1,5920
5020.049.213	1,9210
5020.049.216	1,7880
5020.049.221	2,5550
5020.049.229	3,4120
5020.049.236	4,5770
5020.049.248	6,6140
5020.050.007	1,7100
5020.050.009	1,7230
5020.050.011	1,9030
5020.050.013	2,3200
5020.050.016	2,3390
5020.050.021	2,9540
5020.050.029	4,0880
5020.050.036	6,1820
5020.050.048	8,1110
5020.050.207	1,7100
5020.050.209	1,7230
5020.050.211	1,9030
5020.050.213	2,3200
5020.050.216	2,3390
5020.050.221	2,9540
5020.050.229	4,0880
5020.050.236	6,1820
5020.050.248	8,1110
5020.051.010	1,9000

Referencia	P.V.P (€/1)
5020.051.012	1,9140
5020.051.016	1,8250
5020.051.018	1,9880
5020.051.019	2,5780
5020.051.020	1,9820
5020.051.022	2,4690
5020.051.025	2,5980
5020.051.028	3,3130
5020.051.032	3,3130
5020.051.034	4,5430
5020.051.040	4,5430
5020.051.042	7,1490
5020.051.050	7,1730
5020.051.054	9,0120
5020.051.063	9,0120
5020.051.210	1,9000
5020.051.212	1,9140
5020.051.216	1,8250
5020.051.218	1,9880
5020.051.219	2,5780
5020.051.220	1,9820
5020.051.222	2,4690
5020.051.225	2,5980
5020.051.228	3,3130
5020.051.232	3,3130
5020.051.234	4,5430
5020.051.240	4,5430
5020.051.242	7,1490
5020.051.250	7,1730
5020.051.254	9,0120
5020.051.263	9,0120
5020.052.201	1,9490
5020.052.202	1,9490
5020.052.203	2,2460
5020.052.204	3,0540
5020.052.205	4,1490
5020.052.206	5,0240
5020.052.207	5,5200
5020.052.209	1,9490
5020.052.210	1,9490
5020.052.211	5,5200
5020.052.212	1,9490
5020.053.201	2,4300
5020.053.202	2,4370
5020.053.203	2,9660
5020.053.204	3,3200
5020.053.205	4,9680
5020.053.206	6,1650
5020.053.207	7,8020
5020.054.202	4,4360
5020.054.203	4,4550
5020.054.204	4,4840
5020.054.205	4,5110

Referencia	P.V.P (€/1)
5020.054.206	4,5220
5020.054.207	4,5360
5020.054.208	4,5360
5020.054.209	4,5700
5020.054.210	4,5600
5020.054.211	4,7420
5020.054.212	4,8180
5020.054.213	6,4120
5020.054.214	5,6570
5020.054.215	5,0840
5020.054.216	6,7020
5020.054.217	6,7410
5020.054.218	7,5870
5020.054.219	5,3050
5020.054.220	7,7280
5020.054.221	8,3590
5020.054.222	5,0240
5020.054.223	5,6360
5020.054.224	7,5680
5020.054.225	4,5480
5020.054.226	5,4590
5020.054.227	5,4170
5020.054.228	10,5010
5020.054.229	10,5330
5020.054.231	10,4520
5020.054.232	5,4170
5020.054.233	8,9670
5020.054.234	9,0160
5020.054.235	11,0590
5020.054.236	8,9670
5020.054.237	10,6960
5020.054.238	10,6300
5020.054.239	5,4170
5020.055.010	1,3890
5020.055.011	1,5060
5020.055.012	1,3500
5020.055.014	1,4840
5020.055.016	1,5470
5020.055.018	1,4880
5020.055.019	1,6890
5020.055.020	1,7450
5020.055.022	1,8010
5020.055.025	2,2430
5020.055.028	2,4020
5020.055.032	3,0200
5020.055.036	3,2300
5020.055.040	4,0120
5020.055.045	4,0230
5020.055.050	5,7200
5020.055.063	5,7430
5020.055.210	1,3890
5020.055.211	1,5060
5020.055.212	1,3500

Referencia	P.V.P (€/1)
5020.055.214	1,4840
5020.055.216	1,5470
5020.055.218	1,4880
5020.055.219	1,6890
5020.055.220	1,7450
5020.055.222	1,8010
5020.055.225	2,2430
5020.055.228	2,4020
5020.055.232	3,0200
5020.055.236	3,2300
5020.055.240	4,0120
5020.055.245	4,0230
5020.055.250	5,7200
5020.055.263	5,7430
5020.056.201	1,9260
5020.056.202	1,9490
5020.056.203	1,9490
5020.056.204	1,9490
5020.056.205	2,0580
5020.056.206	2,2460
5020.056.207	5,0240
5020.056.208	5,0240
5020.056.209	5,5200
5020.056.210	5,5200
5020.057.201	2,5010
5020.057.202	2,4300
5020.057.204	2,4370
5020.057.205	3,0940
5020.057.206	2,9660
5020.057.207	6,1650
5020.057.208	6,1650
5020.057.209	7,8020
5020.057.210	7,8020
5020.058.201	1,5700
5020.058.202	1,5690
5020.058.203	1,8080
5020.058.204	2,4600
5020.058.205	3,3420
5020.058.206	4,0450
5020.058.207	5,7980
5020.058.208	1,5510
5020.058.209	1,5690
5020.058.210	1,5690
5020.058.211	5,7980
5020.058.212	1,5690
5020.060.207	4,5160
5020.060.209	4,9780
5020.060.211	5,1480
5020.060.213	5,2070
5020.060.215	5,6160
5020.060.216	5,7440
5020.060.221	6,6680
5020.060.229	9,5220

Referencia	P.V.P (€/1)
5020.060.236	15,1840
5020.060.248	19,6810
5020.062.201	1,8050
5020.062.208	2,5520
5020.062.209	1,9210
5020.063.202	1,8660
5020.063.203	2,2050
5020.063.204	2,2970
5020.063.205	2,3270
5020.063.206	2,4790
5020.063.207	2,5510
5020.063.210	2,8030
5020.064.010	2,5010
5020.064.012	2,4300
5020.064.016	2,4370
5020.064.020	2,9660
5020.064.025	3,3200
5020.064.032	4,9680
5020.064.040	6,1650
5020.064.050	7,8020
5020.064.210	2,5010
5020.064.212	2,4300
5020.064.216	2,4370
5020.064.220	2,9660
5020.064.225	3,3200
5020.064.232	4,9680
5020.064.240	6,1650
5020.064.250	7,8020
5020.065.003	1,9490
5020.065.005	1,9500
5020.065.007	1,9490
5020.065.009	3,0540
5020.065.011	3,0540
5020.065.203	1,9490
5020.065.205	1,9500
5020.065.207	1,9490
5020.065.209	3,0540
5020.065.211	3,0540
5020.066.001	3,6750
5020.066.002	3,7730
5020.066.003	5,5470
5020.066.004	6,0350
5020.066.005	6,7150
5020.066.007	2,2630
5020.066.008	2,5210
5020.066.009	2,6560
5020.066.010	2,2630
5020.066.201	3,6750
5020.066.202	3,7730
5020.066.203	5,5470
5020.066.204	6,0350
5020.066.205	6,7150
5020.066.207	2,2630

Referencia	P.V.P (€/1)
5020.066.208	2,5210
5020.066.209	2,6560
5020.066.210	2,2630
5020.067.005	4,4780
5020.067.201	4,7390
5020.067.202	5,5220
5020.067.203	3,5240
5020.067.205	4,4780
5020.067.207	3,6720
5020.067.208	4,0720
5020.067.209	4,9630
5020.067.211	6,7080
5020.067.213	4,9630
5020.071.025	3,0430
5020.071.032	3,6410
5020.071.040	4,0400
5020.071.050	4,6890
5020.071.063	5,0880
5020.071.225	3,0430
5020.071.232	3,6410
5020.071.240	4,0400
5020.071.250	4,6890
5020.071.263	5,0880
5020.074.207	5,4320
5020.074.209	5,5660
5020.074.211	6,4550
5020.074.213	7,6690
5020.074.216	7,7390
5020.074.221	13,4230
5020.074.229	16,1200
5020.074.236	25,7270
5020.074.248	31,4110
5020.075.207	5,4330
5020.075.209	5,5660
5020.075.211	6,4550
5020.075.213	7,6690
5020.075.216	7,7390
5020.075.221	13,4230
5020.075.229	16,1200
5020.075.236	25,7270
5020.075.248	31,4110
5020.077.021	9,9290
5020.077.029	11,7820
5020.077.036	19,9540
5020.077.048	23,7720
5020.077.221	9,9290
5020.077.229	11,7820
5020.077.236	19,9540
5020.077.248	23,7720
5020.078.014	4,0150
5020.078.015	3,7770
5020.078.016	4,1560
5020.078.020	4,3820

Referencia	P.V.P (€/1)
5020.078.025	5,1480
5020.078.032	6,6000
5020.078.040	7,6170
5020.078.201	6,2730
5020.078.214	4,0150
5020.078.215	3,7770
5020.078.216	4,1560
5020.078.220	4,3820
5020.078.225	5,1480
5020.078.232	6,6000
5020.078.240	7,6170
5020.078.250	14,9730
5020.078.263	14,9730
5020.079.214	4,7110
5020.079.215	4,7060
5020.079.216	4,7980
5020.079.220	4,8230
5020.079.225	5,9700
5020.079.232	8,1560
5020.080.208	4,1430
5020.080.209	9,5440
5020.080.214	4,8670
5020.080.217	8,3640
5020.080.218	6,3940
5020.081.009	3,5710
5020.081.011	3,7960
5020.081.016	4,1430
5020.081.021	4,8670
5020.081.029	6,2410
5020.081.036	8,7530
5020.081.048	14,1560
5020.081.209	3,5710
5020.081.211	3,7960
5020.081.216	4,1430
5020.081.221	4,8670
5020.081.229	6,2410
5020.081.236	8,7530
5020.081.248	14,1570
5020.082.009	1,9490
5020.082.016	2,2450
5020.082.021	3,0540
5020.082.207	1,9270
5020.082.209	1,9490
5020.082.211	1,9470
5020.082.216	2,2450
5020.082.221	3,0540
5020.082.229	4,1500
5020.082.236	13,5140
5020.087.209	5,0940
5020.087.211	5,6500
5020.087.213	6,0950
5020.087.216	6,5710
5020.087.221	7,8430

Referencia	P.V.P (€/1)
5020.087.229	10,4060
5020.087.236	15,5600
5020.087.248	16,4360
5020.088.207	4,5730
5020.088.209	5,3230
5020.088.211	5,6500
5020.088.213	6,0950
5020.088.216	6,5710
5020.088.221	7,8430
5020.088.229	10,4060
5020.088.236	15,5600
5020.088.248	16,4360
5020.089.207	2,6480
5020.089.209	2,8360
5020.089.211	3,0930
5020.089.213	3,3810
5020.089.216	3,5030
5020.089.221	3,9450
5020.089.229	5,7260
5020.089.236	7,7160
5020.089.248	8,6010
5020.090.207	2,6480
5020.090.209	2,8360
5020.090.211	3,0930
5020.090.213	3,3800
5020.090.216	3,5020
5020.090.221	3,9460
5020.090.229	5,7280
5020.090.236	7,7160
5020.090.248	8,6020
5020.382.016	3,8440
5020.382.212	3,5650
5020.382.216	3,8440
5020.382.220	3,7500
5020.382.225	6,8200
5020.382.250	18,3380
5030.012.007	1,5690
5030.012.009	1,3620
5030.012.011	1,4340
5030.012.013	1,6360
5030.012.016	1,6440
5030.012.021	1,9510
5030.012.029	2,3100
5030.012.036	3,4740
5030.012.048	3,9450
5030.012.207	1,5690
5030.012.209	1,3620
5030.012.211	1,4340
5030.012.213	1,6360
5030.012.216	1,6440
5030.012.221	1,9510
5030.012.229	2,3100
5030.012.236	3,4740

Referencia	P.V.P (€/1)
5030.012.248	3,9450
5030.019.007	1,2340
5030.019.009	1,2610
5030.019.011	1,2880
5030.019.013	1,4090
5030.019.016	1,4410
5030.019.021	1,5920
5030.019.029	1,6870
5030.019.036	2,6390
5030.019.048	3,1710
5030.019.207	1,2340
5030.019.209	1,2610
5030.019.211	1,2880
5030.019.213	1,4090
5030.019.216	1,4410
5030.019.221	1,5920
5030.019.229	1,6870
5030.019.236	2,6390
5030.019.248	3,1710
5030.020.007	1,2430
5030.020.009	1,2710
5030.020.011	1,2980
5030.020.013	1,4200
5030.020.016	1,4520
5030.020.021	1,6050
5030.020.029	1,7000
5030.020.036	2,6600
5030.020.048	3,1960
5030.020.207	1,2430
5030.020.209	1,2710
5030.020.211	1,2980
5030.020.213	1,4200
5030.020.216	1,4520
5030.020.221	1,6050
5030.020.229	1,7000
5030.020.236	2,6600
5030.020.248	3,1960
5030.021.007	0,5930
5030.021.009	0,5930
5030.021.011	0,6290
5030.021.013	0,6290
5030.021.016	0,6290
5030.021.021	0,7130
5030.021.029	0,7680
5030.021.036	1,4910
5030.021.048	2,7940
5030.021.207	0,5930
5030.021.209	0,5930
5030.021.211	0,6290
5030.021.213	0,6290
5030.021.216	0,6290
5030.021.221	0,7130
5030.021.229	0,7680

Referencia	P.V.P (€/1)
5030.021.236	1,4910
5030.021.248	2,7940
5030.025.007	0,6450
5030.025.007T	1,0140
5030.025.009	0,5750
5030.025.009T	1,0300
5030.025.011	0,5950
5030.025.011T	1,0300
5030.025.013	0,6080
5030.025.013T	1,2230
5030.025.016	0,7240
5030.025.016T	1,2870
5030.025.021	1,1850
5030.025.021T	1,9710
5030.025.029	1,3830
5030.025.029T	2,5860
5030.025.036	2,1080
5030.025.036T	3,3080
5030.025.048	2,3400
5030.025.048T	4,4170
5030.025.207	0,6450
5030.025.207T	1,0140
5030.025.209	0,5750
5030.025.209T	1,0300
5030.025.211	0,5950
5030.025.211T	1,0300
5030.025.213	0,6080
5030.025.213T	1,2230
5030.025.216	0,7240
5030.025.216T	1,2870
5030.025.221	1,1850
5030.025.221T	1,9710
5030.025.229	1,3830
5030.025.229T	2,5860
5030.025.236	2,1080
5030.025.236T	3,3080
5030.025.248	2,3400
5030.025.248T	4,4170
5030.026.007	0,5850
5030.026.009	0,5900
5030.026.011	0,5920
5030.026.013	0,5960
5030.026.016	0,5910
5030.026.021	0,8230
5030.026.029	1,0790
5030.026.036	1,3750
5030.026.048	1,7480
5030.026.207	0,5850
5030.026.209	0,5900
5030.026.211	0,5920
5030.026.213	0,5960
5030.026.216	0,5910
5030.026.221	0,8230

Referencia	P.V.P (€/1)
5030.026.229	1,0790
5030.026.236	1,3750
5030.026.248	1,7480
5030.027.001	1,0600
5030.027.201	1,0600
5032.006.070	17,7680
5032.006.095	20,0700
5032.007.070	31,7620
5032.007.095	37,0490
5032.206.070	17,7680
5032.206.095	20,0700
5032.207.070	31,7620
5032.207.095	37,0490
5032.211.070	7,0580
5032.211.095	7,1870
5100.010.212	2,6480
5100.013.216	2,8360
5100.015.020	3,0930
5100.015.220	3,0930
5100.021.020	3,5030
5100.021.025	3,5030
5100.021.220	3,5030
5100.021.225	3,5030
5100.028.032	3,9450
5100.028.225	3,9450
5100.028.232	3,9450
5100.034.040	5,7260
5100.034.232	5,7260
5100.034.240	5,7260
5100.042.050	7,7160
5100.042.240	7,7160
5100.042.250	7,7160
5100.054.063	8,6010
5100.054.250	8,6010
5100.054.263	8,6010
5101.010.212	2,2610
5101.013.216	2,4240
5101.015.020	2,6250
5101.015.220	2,6250
5101.021.020	3,0700
5101.021.025	3,0700
5101.021.220	3,0700
5101.021.225	3,0700
5101.028.032	3,4610
5101.028.225	3,4610
5101.028.232	3,4610
5101.034.040	4,7620
5101.034.232	4,7620
5101.034.240	4,7620
5101.042.050	6,6610
5101.042.240	6,6610
5101.042.250	6,6610
5101.054.063	7,7900

Referencia	P.V.P (€/1)
5101.054.250	7,7900
5101.054.263	7,7900
5102.010.212	5,0280
5102.013.216	5,0940
5102.015.220	5,6500
5102.021.220	6,5710
5102.021.225	6,5710
5102.028.225	7,8430
5102.028.232	7,8430
5102.034.232	10,4060
5102.034.240	10,4060
5102.042.240	15,5600
5102.042.250	15,5600
5102.054.250	16,4360
5102.054.263	46,3690
5103.010.012	2,6480
5103.010.212	2,6480
5103.013.016	2,8360
5103.013.216	2,8360
5103.015.020	3,0930
5103.015.220	3,0930
5103.021.020	3,5020
5103.021.025	3,5020
5103.021.220	3,5020
5103.021.225	3,5020
5103.028.025	3,9460
5103.028.032	3,9460
5103.028.225	3,9460
5103.028.232	3,9460
5103.034.032	5,7280
5103.034.040	5,7280
5103.034.232	5,7280
5103.034.240	5,7280
5103.042.040	7,7160
5103.042.050	7,7160
5103.042.240	7,7160
5103.042.250	7,7160
5103.054.050	8,6020
5103.054.063	8,6020
5103.054.250	8,6020
5103.054.263	8,6020
5104.010.212	2,2610
5104.013.216	2,4240
5104.015.020	2,6250
5104.015.220	2,6250
5104.021.020	3,0700
5104.021.025	3,0700
5104.021.220	3,0700
5104.021.225	3,0700
5104.028.032	3,4610
5104.028.225	3,4610
5104.028.232	3,4610
5104.034.040	4,7620

Referencia	P.V.P (€/1)
5104.034.232	4,7620
5104.034.240	4,7620
5104.042.050	6,6610
5104.042.240	6,6610
5104.042.250	6,6610
5104.054.063	7,7900
5104.054.250	7,7900
5104.054.263	7,7900
5105.010.212	4,5730
5105.013.216	5,3230
5105.015.220	5,6500
5105.021.220	6,5710
5105.021.225	6,5710
5105.028.225	7,8430
5105.028.232	7,8430
5105.034.232	10,4060
5105.034.240	10,4060
5105.042.240	15,5600
5105.042.250	15,5600
5105.054.250	16,4360
5105.054.263	46,3690
5107.010.212	5,4320
5107.013.212	7,7720
5107.013.216	5,5660
5107.015.216	6,4560
5107.015.220	6,4550
5107.021.220	7,7390
5107.021.225	7,7390
5107.028.225	13,4230
5107.028.232	13,4230
5107.034.232	16,1200
5107.034.240	16,1200
5107.042.240	25,7270
5107.042.250	25,7270
5107.054.250	31,4110
5107.054.263	39,7900
5107.410.212	5,4320
5107.413.212	7,7720
5107.413.216	5,5660
5107.415.216	6,4560
5107.415.220	6,4550
5107.421.220	7,7390
5107.421.225	7,7390
5107.428.225	13,4230
5107.428.232	13,4230
5107.434.232	16,1200
5107.434.240	16,1200
5107.442.240	25,7270
5107.442.250	25,7270
5107.454.250	31,4110
5107.454.263	39,7900
5108.010.212	5,4320
5108.013.216	5,5660

Referencia	P.V.P (€/1)
5108.015.220	6,4550
5108.021.220	7,7390
5108.021.225	7,7390
5108.028.225	13,4230
5108.028.232	19,9450
5108.034.232	16,1200
5108.034.240	31,4080
5108.042.240	25,7270
5108.042.250	40,8930
5108.054.250	31,4110
5108.054.263	31,4110
5109.010.012	7,6660
5109.010.212	7,6660
5109.013.016	7,8660
5109.013.216	7,8660
5109.015.020	7,8840
5109.015.220	7,8840
5109.021.025	8,5750
5109.021.225	8,5750
5109.028.032	10,2350
5109.028.232	10,2350
5109.034.040	14,7740
5109.034.240	14,7740
5109.042.050	24,8350
5109.042.250	24,8350
5109.054.063	32,0570
5109.054.263	32,0570
5110.010.212	15,1070
5110.013.216	15,3010
5110.015.220	17,0420
5110.021.220	21,6430
5110.021.225	21,6430
5110.028.225	28,8090
5110.028.232	43,8910
5110.034.232	37,9120
5110.034.240	53,0640
5110.042.240	45,7060
5110.042.250	72,5210
5110.054.250	65,9940
5110.054.263	84,4760
5111.013.216	16,0650
5111.015.220	17,8970
5111.021.220	22,7080
5111.021.225	22,7080
5111.028.225	30,2600
5111.034.232	39,8010
5111.042.240	47,9820
5111.054.250	69,2870
5112.013.216	20,9430
5112.015.220	24,9080
5112.021.220	26,0960
5112.021.225	30,6460
5112.028.225	38,4160

Referencia	P.V.P (€/1)
5112.028.232	44,4690
5112.034.240	56,6620
5112.042.250	77,4030
5112.054.250	81,5570
5112.054.263	93,5980
5112.113.216	21,2370
5112.115.220	25,5110
5112.121.220	26,7260
5112.121.225	31,8680
5112.128.225	40,3460
5112.128.232	47,0130
5112.134.240	59,0950
5112.142.250	81,2800
5112.154.250	87,2620
5112.154.263	102,9530
5112.213.216	21,2370
5112.215.220	25,5110
5112.221.220	26,7260
5112.221.225	31,8680
5112.228.225	40,3460
5112.228.232	47,0130
5112.234.240	59,0950
5112.242.250	81,2800
5112.254.250	87,2620
5112.254.263	102,9530
5112.313.216	21,2370
5112.315.220	25,5110
5112.321.220	26,7260
5112.513.216	20,9430
5112.515.220	24,9080
5112.521.220	26,0960
5112.521.225	30,6460
5112.528.225	38,4160
5112.528.232	44,4690
5112.534.240	57,7520
5112.542.250	102,6600
5112.554.250	114,4540
5112.554.263	135,5200
5112.613.216	21,2370
5112.615.220	25,5110
5112.621.220	26,7260
5112.621.225	31,8680
5112.628.225	40,3460
5112.628.232	47,0130
5112.634.240	60,6380
5112.642.250	107,5120
5112.654.250	121,5650
5112.654.263	145,4140
5112.713.216	21,2370
5112.715.220	25,5110
5112.721.220	26,7260
5112.721.225	31,8680
5112.728.225	40,3460

Referencia	P.V.P (€/1)
5112.728.232	47,0130
5112.734.240	60,6380
5112.742.250	107,5120
5112.754.250	121,5650
5112.754.263	145,4140
5112.813.216	21,2370
5112.815.220	25,5110
5112.821.220	26,7260
5121.021.220	13,6540
5121.028.225	19,3950
5121.034.232	23,8160
5121.042.240	36,0310
5128.015.216	13,8840
5128.015.220	13,8840
5128.021.220	14,3180
5128.021.225	14,3180
5128.028.225	17,4050
5128.028.232	17,4050
5128.034.232	19,6110
5128.034.240	19,6110
5128.042.240	26,2210
5128.042.250	26,2210
5128.054.250	31,0650
5128.054.263	31,0650
5500.010.207	15,1070
5500.013.209	15,3010
5500.015.211	17,0420
5500.021.216	21,6430
5500.028.221	28,8090
5500.034.229	37,9120
5500.042.236	45,7060
5500.054.248	65,9940
5511.013.209	16,0650
5511.015.211	17,8970
5511.021.216	22,7080
5511.028.221	30,2600
5511.034.229	39,8010
5511.042.236	47,9820
5511.054.248	69,2870
5521.021.216	13,0040
5521.028.221	18,4710
5521.034.229	22,6820
5521.042.236	34,3150
5524.021.200	7,2600
5524.028.200	7,6470
5524.034.200	8,1090
5524.042.200	8,6120
5524.054.200	9,3870
5524.079.200	14,2900
5601.010.221	7,7190
5601.010.228	8,0740
5601.013.215	7,5720
5601.013.221	7,9200

Referencia	P.V.P (€/1)
5601.015.221	7,9130
5601.015.228	8,5960
5601.015.234	8,9240
5601.021.228	8,6020
5601.021.234	8,9240
5601.021.254	9,4650
5601.028.234	8,9240
5601.034.242	10,0120
5601.042.254	10,2350
5602.021.021	5,8010
5602.021.221	5,8010
5602.028.028	6,4550
5602.028.228	6,4550
5602.034.034	9,6830
5602.034.234	9,6830
5602.042.042	14,1140
5602.042.242	14,1140
5602.054.054	17,6010
5602.054.254	17,6010
5604.015.016	6,8460
5604.015.216	6,8460
5604.021.020	7,3850
5604.021.220	7,3850
5604.028.025	8,4930
5604.028.225	8,4930
5604.034.032	10,3390
5604.034.232	10,3390
5604.042.040	12,0010
5604.042.240	12,0010
5604.054.050	14,0320
5604.054.250	14,0320
5605.042.215	2,2200
5605.042.221	2,1210
5605.042.228	2,0830
5605.042.234	2,0040
5606.015.207	2,2800
5606.021.210	1,2270
5606.028.214	1,5120
5606.042.218	2,4770
5606.042.222	2,3400
5606.042.226	2,1990
5606.042.230	1,9840
5606.054.234	3,5380
5606.054.238	3,1000
5606.054.242	3,1560
5701.015.205	6,2150
5701.021.205	6,3960
5701.028.214	10,6300
5701.034.210	15,3660
5701.042.217	24,4790
5701.054.209	29,1680
5704.015.205	10,5350
5704.021.205	11,5560

Referencia	P.V.P (€/1)
5704.028.214	13,6830
5704.034.210	19,1310
5704.042.217	31,2920
5705.015.205	9,4370
5705.021.205	10,2630

Referencia	P.V.P (€/1)
5705.028.214	12,2520
5705.034.210	17,6880
5727.021.205	6,3960
5727.028.214	10,6300
5727.034.210	15,3660

Referencia	P.V.P (€/1)
5727.054.209	29,1680

Condiciones Generales de Venta



PEDIDOS: Una vez recibidos, se consideran en firme y se entregan según las CONDICIONES GENERALES DE VENTA de Gaestopas. El importe mínimo por suministro es de 150€ netos.

PRECIOS: Los precios de venta serán los vigentes en la fecha del suministro.

I.V.A.: No está incluido en los precios de nuestras tarifas. Se aplicará el vigente en el momento de la venta.

PORTES: A partir de 600€ netos de compra, los envíos a la Península se efectuarán a portes pagados y por agencia de transporte con la que GAESTOPAS, S.L. haya contratado sus servicios. A las Islas Baleares a partir de 800€, e Islas Canarias, Melilla y Ceuta, consultar. Portes debidos para importes inferiores y servicios urgentes.

EMBALAJES: Sólo se suministrarán embalajes completos indicados en catálogos y tarifas. Las cantidades indicadas no podrán fraccionarse.

RESERVA DE DOMINIO: Los materiales objeto de la compraventa son propiedad única de GAESTOPAS, S.L., hasta el pago total de su importe.

RECLAMACIONES DE MATERIAL: Las incidencias que pudieran producirse en los envíos de material, no serán admitidas en un plazo superior a 15 días de su recepción. Si dichas incidencias fueran imputables al transporte, éstas han de ser a su vez notificadas por escrito en el albarán de entrega de la agencia de transporte en el momento de la recepción.

DEVOLUCIONES DE MATERIAL: Únicamente serán aceptadas dentro de los 15 días posteriores al suministro y con la conformidad expresa de GAESTOPAS, S. L. Toda devolución no imputable a GAESTOPAS, S. L. sólo será aceptada si son productos de Catálogo o Lista de Precios vigente, en embalajes completos y en buen estado. Dichos materiales sufrirán una depreciación mínima del 15% sobre su valor en el momento de su venta en concepto de revisión y manipulación. Los portes serán por cuenta del cliente.

RESPONSABILIDAD: La responsabilidad civil sobre nuestros productos caduca al año de su suministro, siempre y cuando su manipulación, utilización e instalación hayan sido las correctas.

JURISDICCIÓN: Los tribunales del País Vasco serán los únicos competentes sobre cualquier divergencia o litigio.

GAESTOPAS en su constante afán de innovación y mejora, se reserva el derecho de modificar total o parcialmente y sin previo aviso, los precios, características o especificaciones de los productos que figuran en sus catálogos y tarifas.



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