

# QUICK RELEASE & MULTI-K COUPLINGS CONSTRUCTION



















# ARGUS quick release couplings powering hydraulic efficiency in construction equipment

Alfagomma, a global leader in fluid handling systems since 1956, is synonymous with innovation, quality, and reliability. Renowned for its decades of expertise and comprehensive product portfolio, Alfagomma develops and supplies hydraulic and industrial flexible hoses, manipulated tubes, quick release couplings, fittings, and expansion joints.

In the construction industry, efficiency and durability are essential. Equipment like excavators and backhoe loaders must operate in harsh conditions, requiring hydraulic systems that perform under extreme pressure, heavy loads, and continuous use.

As part of the Alfagomma Group, the ARGUS brand is committed to providing high-performance quick release couplings, tailored to meet the demanding standards of construction OEMs.

Whether on urban job sites, large-scale infrastructure projects, or remote excavation areas, **construction** machinery depends on hydraulic components that can handle frequent coupling and uncoupling without compromising efficiency. ARGUS quick release couplings are engineered to optimize hydraulic connections, making equipment safer, easier to operate, and more productive.

Alfagomma, through its **ARGUS** quick release couplings, provides precision-engineered solutions to support the evolving needs of the construction industry.

ARGUS quick release couplings are designed to deliver outstanding hydraulic performance, ensuring secure, smooth, and leak-proof connections in the toughest construction environments.

Designed to meet OEM requirements, these couplings improve operational efficiency, reduce maintenance time, and enhance the durability of heavy equipment.

By choosing Alfagomma and ARGUS, OEMs gain a trusted partner committed to innovation and excellence in the construction industry.

**ALFAGOMMA**GROUP

# ARGUS Reliable quick release and diagnostic couplings for compact excavators

ARGUS quick release couplings for compact excavators ensure fast, secure hydraulic connections, minimizing leaks, handling high pressures, and enabling coupling under residual pressure. Designed for efficiency and durability, they comply with ISO 7241 A, ISO 5675, ISO 16028, and ISO 14541.

Various designs are available to suit different needs, applications, and environments, ensuring reliable performance in diverse operating conditions.

All couplings are made from galvanized steel with hardened components, ensuring high wear resistance and long service life in demanding hydraulic applications.

**SVK-ISO-A series.** Simple and efficient solution for coupling and uncoupling hydraulic lines. Featuring a poppet valve mechanism, they ensure secure, leak-free connections. Designed per ISO 7241-1, they are interchangeable across manufacturers, making them a versatile solution.

**SVK-1H ISO A series.** Compliant with ISO 7241 A standard, they feature break-away function, low-pressure drop, and one-hand push-pull operation. Designed to ensure secure, leak-free connections, they meet ISO 5675 and SAE J 1036, enhancing the efficiency and reliability of hydraulic systems, particularly in compact equipment.

**SPK-1H** series. Compliant with ISO 5675 and SAE J 1036, they offer one-hand push-pull operation, break-away function, and low-pressure drop. They allow secure and leak-free connection also under residual pressure while preventing unintentional disconnection from hydraulic backflow.

**FPK series.** The **FPK** quick release couplings enable efficient connection and disconnection of hydraulic lines in low or zero pressure ranges. Featuring automatic flow control and a safety system against accidental uncoupling, they ensure reliable performance. The **FPK P** series exhibits the same characteristics as the FPK range, but with the added advantage of connection under pressure.

**DK** series. Diagnostic couplings are specifically designed for pressure detection in oleo-hydraulic circuits, allowing a quick connection/disconnection of the measuring equipment.

HDK series. HDK high-pressure screw-type quick release couplings, compliant with ISO 14541, ensure robust construction and excellent flow rate. They provide secure connections under residual pressure up to 50 bar, and prevent unintentional disconnection. The HDK HA series exhibits characteristics common to the HDK range, yet it is specifically developed and designed for hammer application.

**RPV Series.** These quick release couplings provide a efficient solution for high-pressure hydraulic connections, ensuring secure, leak-free operations even in the presence of under static pressure. Their robust design enhances system durability and performance in demanding applications.

# Poppet valve

- Compatible with ISO 7241-1-A, and with ISO 5675, and SAE J 1036
- Working pressure max 400 bar
- DN 6 to 25
- Break-away function
- One-hand push pull operation
- Pull-off couplings function
- Low pressure drop





# // SPK-1H

# Poppet valve

- Compatible with ISO 7241-1-A
- Working pressure 250 bar
- DN 13
- Connectable with male part under pressure
- Break-away function
- One-hand push pull operation
- Low pressure drop



# **//** SVK-ISO-A

# Poppet valve

- Compatible with ISO 7241 A
- Working pressure max 350 bar
- DN 6 to 51
- Quick and simple coupling and uncoupling
- Cost-effective solution
- Rated flow and pressure drop compliant with ISO 7241-1





# // HDK & HDK HA

- Compatible with ISO 14541
- Working pressure up to 450 bar
- DN 8 to 32
- Excellent flow rate with low pressure drop
- Leak-free performance for eco-friendly operation





# // FPK & FPK P

### Flat face

- Compatible with ISO 16028
- Working Pressure 350 bar
- DN 6 to 25
- Low leak-oil rates, eco-friendly
- Flow performance optimized by CFD
- FPK P version connectable under pressure





# // DK

### Flat face

- Compatible with ISO 15171-1
- Working pressure 430 bar
- DN 6
- Compatibility with other couplings in-use
- Low leak-oil rates, eco-friendly
- Low pressure drop



# **//** RPV

# Flat face

- Max residual (static) pressure during connection/disconnection up to 30 MPa
- Working pressure 350 bar
- DN 6 to 16
- Easy-to-clean flat-face design
- Oil-leak-proof, environmentally friendly solution
- Jump-size available on request







# ARGUS quick release couplings, diagnostic connections, and multi plates for Midi and Medium excavators

ARGUS quick release couplings for midi and medium excavators enable efficient hydraulic tool changes, handling high pressures, increased flow, and demanding workloads. They minimize downtime, oil leaks, and pressure losses, ensuring secure connections even under residual pressure. Compliant to industry standards, they offer versatility, durability, and reliability for earthmoving, demolition, roadwork, and material handling.

All components are made from galvanized steel with hardened components, ensuring high wear resistance and long service life in demanding hydraulic applications.

**SVK-ISO-A series.** Simple and efficient solution for coupling and uncoupling hydraulic lines. Featuring a poppet valve mechanism, they ensure secure, leak-free connections. Designed per ISO 7241-1, they are interchangeable across manufacturers, making them a versatile solution.

**SVK-1H ISO A series.** Compliant with ISO 7241 A standard, they feature break-away function, low-pressure drop, and one-hand push-pull operation. Designed to ensure secure, leak-free connections, they meet ISO 5675 and SAE J 1036, enhancing the efficiency and reliability of hydraulic systems, particularly in compact equipment.

**SPK-1H** series. Compliant with ISO 5675 and SAE J 1036, they offer one-hand push-pull operation, break-away function, and low-pressure drop. They allow secure and leak-free connection also under residual pressure while preventing unintentional disconnection from hydraulic backflow.

**FPK series.** The **FPK** quick release couplings enable efficient connection and disconnection of hydraulic lines in low or zero pressure ranges. Featuring automatic flow control and a safety system against accidental uncoupling, they ensure reliable performance. The **FPK P** series exhibits the same characteristics as the FPK range, but with the added advantage of connection under pressure.

**DK** series. Diagnostic couplings are specifically designed for pressure detection in oleo-hydraulic circuits, allowing a quick connection/disconnection of the measuring equipment.

HDK series. HDK high-pressure screw-type quick release couplings, compliant with ISO 14541, ensure robust construction and excellent flow rate. They provide secure connections under residual pressure up to 50 bar, and prevent unintentional disconnection. The HDK HA series exhibits characteristics common to the HDK range, yet it is specifically developed and designed for hammer application.

**RPV Series.** These quick release couplings provide a efficient solution for high-pressure hydraulic connections, ensuring secure, leak-free operations even in the presence of under static pressure. Their robust design enhances system durability and performance in demanding applications.

**Multi-K.** ARGUS multi-connection plates streamline the hydraulic line connection between the tractor and agricultural implements, ensuring efficiency, safety, and a compact design.

\star argus

# Poppet valve

- Compatible with ISO 7241-1-A, and with ISO 5675, and SAE J 1036
- Working pressure max 400 bar
- DN 6 to 25
- Break-away function
- One-hand push pull operation
- Pull-off couplings function
- Low pressure drop





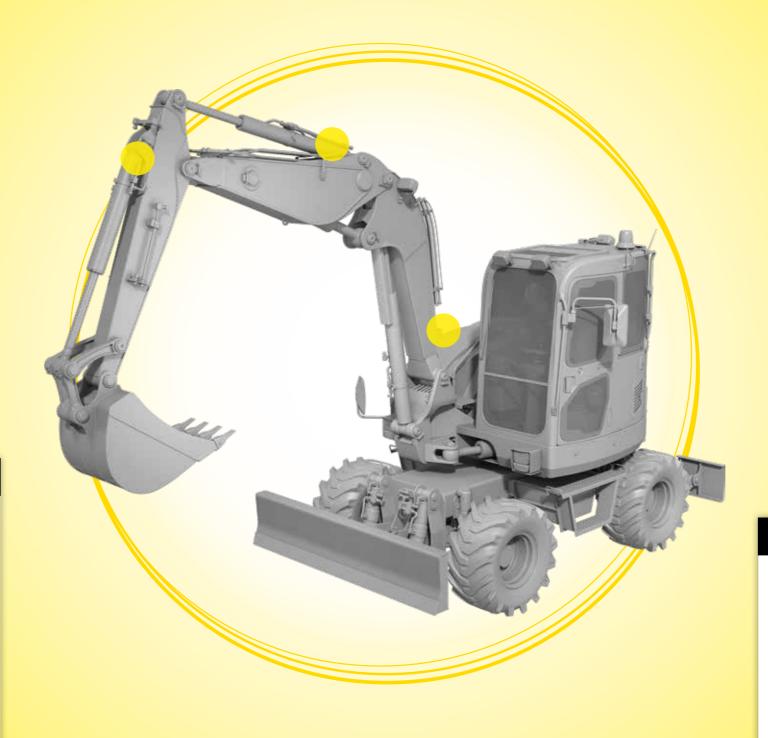
# **//** SVK-ISO-A

# Poppet valve

- Compatible with ISO 7241 A
- Working pressure max 350 bar
- DN 6 to 51
- Quick and simple coupling and uncoupling
- Cost-effective solution
- Rated flow and pressure drop compliant with ISO 7241-1







# // SPK-1H

# Poppet valve

- Compatible with ISO 7241-1-A
- Working pressure 250 bar
- DN 13
- Connectable with male part under pressure
- Break-away function
- One-hand push pull operation
- Low pressure drop



# **//** HDK & HDK HA

- Compatible with ISO 14541
- Working pressure up to 450 bar
- DN 8 to 32
- Excellent flow rate with low pressure drop
- Leak-free performance for eco-friendly operation
- HDK HA for hammer application



# **//** FPK & FPK P

# Flat face

- Compatible with ISO 16028
- Working Pressure 350 bar
- DN 6 to 25
- Low leak-oil rates, eco-friendly
- Flow performance optimized by CFD
- FPK P version connectable under pressure





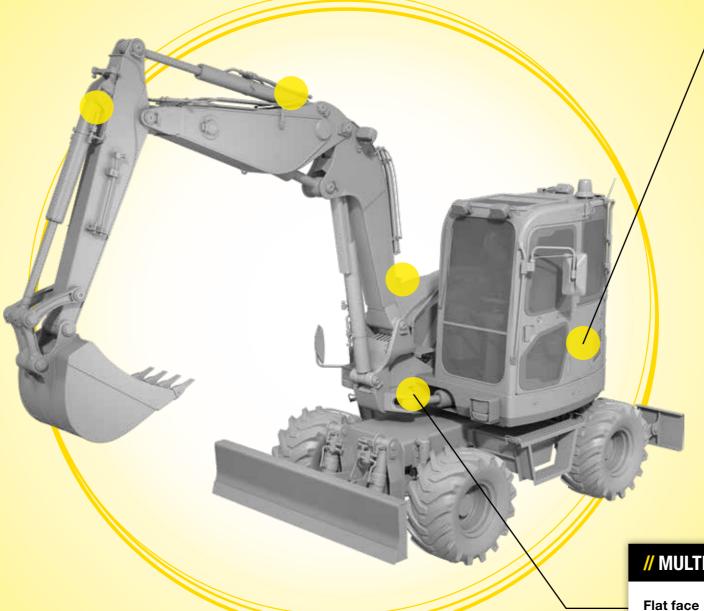
# **//** RPV

# Flat face

- Max residual (static) pressure during connection/disconnection up to 30 MPa
- Working pressure 350 bar
- DN 6 to 16
- Easy-to-clean flat-face design
- Oil-leak-proof, environmentally friendly solution
- Jump-size available on request







# // DK

### Flat face

- Compatible with ISO 15171-1
- Working pressure 430 bar
- DN 6
- Compatibility with other couplings in-use
- Low leak-oil rates, eco-friendly
- Low pressure drop





# // MULTI-K

- All types of thread configurations for hose connections
- DN 10 to 25
- Seal and back-up ring in NBR and PTFE
- Lock lever in steel with galvanic protection
- Safetely block in steel and aluminium
- Designed to meet customer specifications



# ARGUS reliable quick release couplings, diagnostic connections, and multi plates for large excavators

ARGUS quick release couplings for large excavators ensure efficient hydraulic tool changes, managing higher pressures, extreme flow rates, and heavy-duty operations. Designed for maximum durability and reliability, they minimize downtime, leaks, and pressure losses, ensuring secure connections even under residual pressure. Compliant with industry standards, they offer versatility and robust performance for earthmoving, quarrying, demolition, and large-scale material handling.



**SVK-ISO-A series.** Simple and efficient solution for coupling and uncoupling hydraulic lines. Featuring a poppet valve mechanism, they ensure secure, leak-free connections. Designed per ISO 7241-1, they are interchangeable across manufacturers, making them a versatile solution.

**SVK-1H ISO A series.** Compliant with ISO 7241 A standard, they feature break-away function, low-pressure drop, and one-hand push-pull operation. Designed to ensure secure, leak-free connections, they meet ISO 5675 and SAE J 1036, enhancing the efficiency and reliability of hydraulic systems, particularly in compact equipment.

**SPK-1H** series. Compliant with ISO 5675 and SAE J 1036, they offer one-hand push-pull operation, break-away function, and low-pressure drop. They allow secure and leak-free connection also under residual pressure while preventing unintentional disconnection from hydraulic backflow.

**FPK series.** The **FPK** quick release couplings enable efficient connection and disconnection of hydraulic lines in low or zero pressure ranges. Featuring automatic flow control and a safety system against accidental uncoupling, they ensure reliable performance. The **FPK P** series exhibits the same characteristics as the FPK range, but with the added advantage of connection under pressure.

**DK** series. Diagnostic couplings are specifically designed for pressure detection in oleo-hydraulic circuits, allowing a quick connection/disconnection of the measuring equipment.

HDK series. HDK high-pressure screw-type quick release couplings, compliant with ISO 14541, ensure robust construction and excellent flow rate. They provide secure connections under residual pressure up to 50 bar, and prevent unintentional disconnection. The HDK HA series exhibits characteristics common to the HDK range, yet it is specifically developed and designed for hammer application.

**RPV Series.** These quick release couplings provide a efficient solution for high-pressure hydraulic connections, ensuring secure, leak-free operations even in the presence of under static pressure. Their robust design enhances system durability and performance in demanding applications.

**Multi-K.** ARGUS multi-connection plates streamline the hydraulic line connection between the tractor and agricultural implements, ensuring efficiency, safety, and a compact design.

# Poppet valve

- Compatible with ISO 7241-1-A, and with ISO 5675, and SAE J 1036
- Working pressure max 400 bar
- DN 6 to 25
- Break-away function
- One-hand push pull operation
- Pull-off couplings function
- Low pressure drop



# **//** SVK-ISO-A

# Poppet valve

- Compatible with ISO 7241 A
- Working pressure max 350 bar
- DN 6 to 51
- Quick and simple coupling and uncoupling
- Cost-effective solution
- Rated flow and pressure drop compliant with ISO 7241-1







# // HDK & HDK HA

- Compatible with ISO 14541
- Working pressure up to 450 bar
- DN 8 to 32
- Excellent flow rate with low pressure drop
- Leak-free performance for eco-friendly operation
- HDK HA for hammer application





# **//** FPK & FPK P

# Flat face

- Compatible with ISO 16028
- Working Pressure 350 bar
- DN 6 to 25
- Low leak-oil rates, eco-friendly
- Flow performance optimized by CFD
- FPK P version connectable under pressure



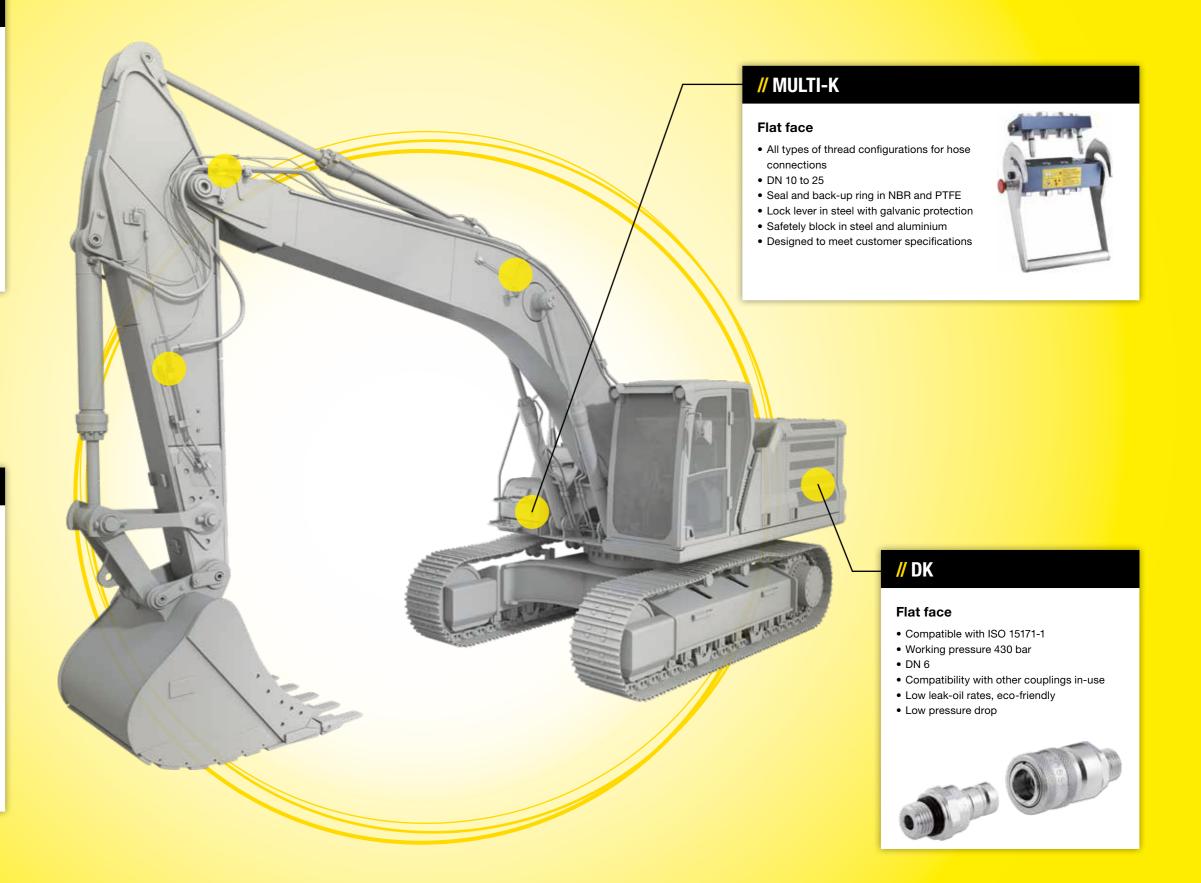
# **//** RPV

# Flat face

- Max residual (static) pressure during connection/disconnection up to 30 MPa
- Working pressure 350 bar
- DN 6 to 16
- Easy-to-clean flat-face design
- Oil-leak-proof, environmentally friendly solution
- Jump-size available on request







# Powerful quick release couplings, diagnostic connections, multi plates, and swivel connectors for Backhoe Loaders

ARGUS product range for backhoe loaders ensure efficient hydraulic tool changes and smooth system operation, handling high pressures, increased flow rates, and demanding workloads. They minimize downtime, oil leaks, and pressure losses, ensuring secure connections even under residual pressure. The addition of swivel connectors enhances hose durability and flexibility, reducing torsional stress and wear. Compliant with industry standards, this range offers versatility, durability, and reliability for earthmoving, material handling, and construction applications.



**SVK-ISO-A series.** Simple and efficient solution for coupling and uncoupling hydraulic lines. Featuring a poppet valve mechanism, they ensure secure, leak-free connections. Designed per ISO 7241-1, they are interchangeable across manufacturers, making them a versatile solution.

**SVK-1H ISO A series.** Compliant with ISO 7241 A standard, they feature break-away function, low-pressure drop, and one-hand push-pull operation. Designed to ensure secure, leak-free connections, they meet ISO 5675 and SAE J 1036, enhancing the efficiency and reliability of hydraulic systems, particularly in compact equipment.

**SPK-1H series.** Compliant with ISO 5675 and SAE J 1036, they offer one-hand push-pull operation, break-away function, and low-pressure drop. They allow secure and leak-free connection also under residual pressure while preventing unintentional disconnection from hydraulic backflow.

**FPK series.** The **FPK** quick release couplings enable efficient connection and disconnection of hydraulic lines in low or zero pressure ranges. Featuring automatic flow control and a safety system against accidental uncoupling, they ensure reliable performance. The **FPK P** series exhibits the same characteristics as the FPK range, but with the added advantage of connection under pressure.

**DK series.** Diagnostic couplings are specifically designed for pressure detection in oleo-hydraulic circuits, allowing a quick connection/disconnection of the measuring equipment.

**HDK** series. **HDK** high-pressure screw-type quick release couplings, compliant with ISO 14541, ensure robust construction and excellent flow rate. They provide secure connections under residual pressure up to 50 bar, and prevent unintentional disconnection. The **HDK HA** series exhibits characteristics common to the HDK range, yet it is specifically developed and designed for hammer application.

**RPV Series.** These quick release couplings provide a efficient solution for high-pressure hydraulic connections, ensuring secure, leak-free operations even in the presence of under static pressure. Their robust design enhances system durability and performance in demanding applications.

**Multi-K.** ARGUS multi-connection plates streamline the hydraulic line connection between the tractor and agricultural implements, ensuring efficiency, safety, and a compact design.

**Swivel Connectors.** The range provides a leak-free solution in demanding applications, ensuring smooth rotation under pressure while minimizing hose torsion and wear. Its bearing-less design enhances system durability and performance.

赵 argus

# Poppet valve

- Compatible with ISO 7241-1-A, and with ISO 5675, and SAE J 1036
- Working pressure max 400 bar
- DN 6 to 25
- Break-away function
- One-hand push pull operation
- Pull-off couplings function
- Low pressure drop



# **//** SVK-ISO-A

# Poppet valve

- Compatible with ISO 7241 A
- Working pressure max 350 bar
- DN 6 to 51
- Quick and simple coupling and uncoupling
- Cost-effective solution
- Rated flow and pressure drop compliant with ISO 7241-1



# // SPK-1H

# Poppet valve

- Compatible with ISO 7241-1-A
- Working pressure 250 bar
- DN 13
- Connectable with male part under pressure
- Break-away function
- One-hand push pull operation
- Low pressure drop





# // HDK & HDK HA

# Poppet valve

- Compatible with ISO 14541
- Working pressure up to 450 bar
- DN 8 to 32
- Excellent flow rate with low pressure drop
- Leak-free performance for eco-friendly operation
- HDK HA for hammer application



# **// SWIVEL CONNECTOR**

- Extremely low torque for rotation under pressure
- Working pressure up to 410 bar
- Compact and lightweight design for tight
- Outstanding wear and corrosion resistance • DN 10 to 51
- Long-lasting service life with minimal maintenance



# **//** RPV // DK Flat face Flat face • Compatible with ISO 15171-1 • Max residual (static) pressure during • Working pressure 430 bar connection/disconnection up to 30 MPa • Working pressure 350 bar • Compatibility with other couplings in-use • DN 6 to 16 • Low leak-oil rates, eco-friendly • Easy-to-clean flat-face design • Low pressure drop • Oil-leak-proof, environmentally friendly solution • Jump-size available on request

# // FPK & FPK P

### Flat face

- Compatible with ISO 16028
- Working Pressure 350 bar
- DN 6 to 25
- Low leak-oil rates, eco-friendly
- Flow performance optimized by CFD
- FPK P version connectable under pressure





# // MULTI-K

# Flat face

- All types of thread configurations for hose connections
- DN 10 to 25
- Seal and back-up ring in NBR and PTFE
- Lock lever in steel with galvanic protection
- Safetely block in steel and aluminium
- Designed to meet customer specifications



# **Maximizing efficiency in construction implements**

Alfagomma and the ARGUS brand not only provide quick release couplings for construction machinery but also offer tailored solutions for the specific attachments used in modern equipment.





These couplings are engineered for use with implements such as rotating cushers, hammers, buckets, shears, grapples, and rock drills.





Notes			

Notes		



### THE ALFAGOMMA GROUP

## ALFAGOMMA

### ARGENTINA - Buenos Aires

Moreno Store Center Belisario Roldán 2616 - CP. 1744 La Reja - Bs. As. +54 (11) 5365-6062/6063

### AUSTRALIA - Sydney

50 Honeycomb Drive Eastern Creek Sydney, NSW 2766 +61 (2) 98 53 09 00 sydney@alfagomma.com.au

### **BELGIUM & NETHERLANDS - Benelux**

Z5 Mollem 340 1730 Asse – Mollem +32 (2) 209 27 40 info.benelux@alfagomma.com

### BRAZIL - Guaranésia

Rua Felice Gennasio 401 Distrito Indl. Dr. Firmino Rocha de Freitas 37810-000 - Guaranesia, MG - Brasil +55 (35) 35 55 0408 contato@alfagomma.com.br

### CANADA - Montreal

6550 Abrams St. Laurent, Montreal Quebec H4S 1Y2 +1 (514) 33 35 577 info@alfagomma.ca

### CHINA - Ningbo

No. 1 Cidong South Avenue Coastal Economic Development Zone Cixi, Zhejiang, China 315311 +86 (574) 88 15 72 88 alfagomma.china@alfagomma.com.cn

### FRANCE - Villepinte

Le Sisley – Parc d'activité Paris Nord 2 23 Allée des Impressionnistes 93420 Villepinte +33 (1) 48172121 agfrance.info@alfagomma.com

### GERMANY - Herne

Friedrich der Grosse 10 44628 Herne +49 (2323) 14 730 info.germany@alfagomma.com

### GREECE - Athens

85 Kifissou Avenue 12241 Aigaleo, Athens +30 (210) 41 19 909 info.hellas@alfagomma.com

# INDONESIA - Tangerang

Jalan Raya Serang km. 16 Sukamulya Cikupa Tangerang Banten 15710 +62 (21) 59 66 4792 jakarta@alfagomma.co.id

### ITALY - Vimercate

Via Torri Bianche 1 20871 Vimercate (MB) +39 (039) 60 161 info@alfagomma.com

### MALAYSIA - Pasir Gudang

Plo 405, Jalan Perak 4 81707 Pasir Gudang Negeri Johor Darul Takzim +60 (7) 25 72 000 alfagomma@alfagomma.com.my

### MEXICO - Torreón

Av. Industria de la transformacion Parque Pymes 585 27400 Torreón, Coahuila +52 8713125026 alfagomma.mexico@alfagomma.com

### SINGAPORE

14 Tuas Ave 11 Singapore 639080 +65 6360 9000 alfagomma@alfagomma.com.sq

### SOUTH AFRICA - Johannesburg

17 Quark Crescent Linbro Business Park Sandton 2065 +27 (11) 20 10 900 alfagomma@alfagomma.co.za

### SOUTH KOREA - Hwasung

15 Julteo Gil Yangkam-Myun, Hwasung-Si Kyungki-Do 18630 +82 (31) 35 28 671 alfagomma@alfagomma.co.kr

### THAILAND - Bangkok

60/21 Moo.4 King Kaew Road Racha Thewa SubDistrict, Bang Phli District Samut Prakan Province, 10540 +66 (0) 2 136 2388 sales@alfagomma.co.th

# UNITED KINGDOM - Haydock

43 Wilcock Road Old Boston Trading Estate Haydock St. Helens WA11 9TG +44 (1942) 40 76 80 haydock.sales@alfagomma.com

### UNITED STATES OF AMERICA - Burlington

3520 West Avenue IA 52601 Burlington +1 (319) 75 89 224 info@alfagomma.us

# **DUNLOP HIFLEX**

### **DENMARK** – Kolding

Kokholm 5 6000 Kolding +45 43 25 40 00 kundeservice@dunlophiflex.dk

### ESTONIA - Tallin

Läike tee 32/1 - Peetri alevik, Rae vald - 75312 Harjumaa (Tallinn) +372 (0) 605 4900 tallinn@dunlophiflex.ee

### FINLAND - Pirkkala

Jasperintie 320 33960 Pirkkala +358 (207) 625 700 info@dunlophiflex.fi

### NORWAY - Kjeller

Jogstadveien 39 Pb. 7, 2027 Kjeller 2007 Kjeller +47 23 00 47 00 sales@dunlophiflex.no

### SWEDEN - Halmstad

Kistinge Industriomrade Seldonsvagen 2 30180 Halmstad +46 (104) 14 44 04 halmstad@dunlophiflex.se



## GERMANY - Ettlingen

Pforzheimer Str. 126 76275 Ettlingen +49 (7243) 50 550 info@argus-fluidtechnik.de

### UNITED KINGDOM - Salisbury

Telford Road Salisbury, Wiltshire SP2 7PH +44 (1722) 42 05 90 sales@hiflex-europe.com



### UNITED KINGDOM - Sleaford

Kiowa Ltd, The Reservation, East Road Sleaford, Lincolnshire, NG34 7BY +44 (0) 1529 416200 sales@kiowa.co.uk



Via Torri Bianche 1 20871 Vimercate (MB) Italy marketing@alfagomma.com www.alfagomma.com