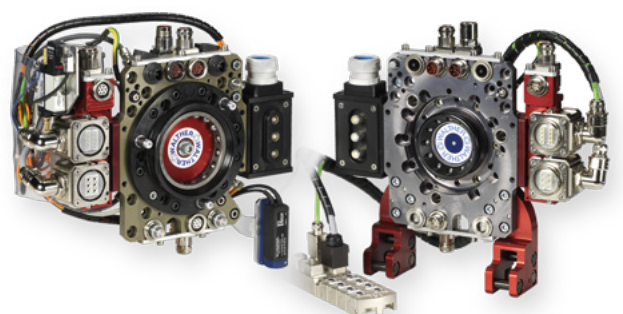


Technical Catalogue



Search quick and safe - no need to look any further!

Quick information

Here you find information on standardisation and technology related to quick coupling systems.

3

Mini-couplings up to 500 bar / 7,250 psi

In this product range, you will find compact quick couplings that are also suitable for vacuum while coupled.

25

Quick coupling systems up to 120 bar / 1,740 psi

This product range includes many different quick coupling series in one side and both sides self-sealing designs.

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Quick coupling systems up to 250 bar / 3,625 psi

Für alle Anwendungen, bei denen einfachste Bedienung und höhere Druckbereiche gefordert werden.

111

Quick coupling systems up to 2,000 bar / 29,000 psi

This is the right place if you are looking for high pressure quick couplings up to nominal bore 50 made of steel or stainless steel.

133

Tailor-made quick coupling systems

Here you find many successful solutions, e.g. for emergency release applications, assembly-aid or temperatures of -252°C.

145

Multi-couplings, docking systems and tool changing systems

These are used wherever quick and safe connection of several lines needs to take place simultaneously.

155

Accessories

Protection elements, hose lines and more complementary products for our quick coupling systems.

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Quick information

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We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000



tk@walther-praezision.de



Glossary / Technical terminology

ATEX	Directive 2014/34/EU for equipment and protective systems intended for use in potentially explosive atmospheres. For WALTHER quick couplings that comply with this Directive, the part number key is suffixed with -EX.
BA	Both sides self-sealing quick coupling, abbreviation used with Cv values and flow volumes.
CIP capability	CIP-capable products can be almost completely cleaned from media residues without disassembly.
Clean Air Act	Abbreviation for "Technical Instructions on Air Quality Control" according to VDI 2440. It is the "First General Administrative Regulation Pertaining to the Federal Emission Protection Law" and includes emission values as well as corresponding measurement and calculation methods. The part number key is suffixed with -TA.
Cv value	Dimensionless flow constants from WALTHER are used instead of the Kv value. The Cv value gives the flow capacity of water at 20°C in gal/min at a pressure drop of 1 lb/sq in. Conversion: 1 Kv = 0.86 Cv; 1 Cv = 1.17 Kv. The measurements are performed in compliance with DIN EN 60534 with water at 20°C and $\Delta p = 1$ bar. Note: A flow velocity of 8 m/sec should not be exceeded during interpretation. See also Kv value.
DIN EN 10204-2.2	Standard for factory test certificates, material designation of certification, or additional certification of pressure and leak tests.
DIN EN 10204-3.1	Standard for specific acceptance test certificates obtainable from material certificates issued by steel suppliers, or from WALTHER for stainless steel or similar materials, or additional certification of pressure and leak tests. The part number key is suffixed with -BB.
DIN EN 61373	Standard for the requirements of railway vehicles for tests with noise-inducing vibration/shock tests of pneumatic components.
DK	Thru-type coupling, abbreviation used with Cv values and flow volumes.
EA	One side self-sealing quick coupling, abbreviation used with Cv values and flow volumes.
End plug	An end plug is also a component of the coupling fitting. On the one hand, it holds the valve mounting parts, and on the other, it serves as a customer connection.
FDA	FDA-compliant version, where FDA is an abbreviation for the United States Food and Drug Administration. The part number key is suffixed with -FD.
FF	Abbreviation for "oil- and grease-free" products. For WALTHER quick couplings that conform to this grade, the part number key is suffixed with -FF.
FL	Abbreviation for "free from enamel flow-disturbing substances". For WALTHER quick couplings that conform to this grade, the part number key is suffixed with -FL.
GW	Abbreviation for a product version to be used in gas and water applications in an industrial environment.
Kv value	Dimensionless flow constants the Kv value gives the flow capacity of water at 20°C in m³/h at a pressure drop of 1 bar. Conversion: 1 Kv = 0.86 Cv; 1 Cv = 1.17 Kv. The measurements are performed in compliance with DIN EN 60534 with water at 20°C and $\Delta p = 1$ bar. Note: A flow velocity of 8 m/sec should not be exceeded during designing. See also Cv value.

Glossary / Technical terminology

Leak-tightness	All WALTHER quick couplings exhibit as standard a sealing performance of 10^{-3} mbar l/s. Leakage-free connection is in principle physically impossible.
Leakage volume	The volume released during disconnection. The leakage volume therefore must not be confused with the leak-tightness.
Material	The combination of base materials (steel, stainless steel, brass, etc.), sealing materials (NBR, FKM, EPDM, etc.), consumables and supplies (paints, lubricants, etc.) and surface coatings are decisive in determining the properties of the quick coupling.
NB/BD	Nominal bore as the diameter of a circular area, which is at least present over the entire flow path of the fitting.
p max.	Description for the maximum permissible operating pressure including pressure peaks for a coupled quick coupling system.
PED	Abbreviation for Pressure Equipment Directive (PED) 2014/68/EU replaces 97/23/EG. Media group 1: Hazardous substances (explosive, flammable, toxic, corrosive) Media group 2: Not belonging to media group 1 (i.e. non-hazardous substances, e.g. water, air, steam, non-toxic liquids)
Purity/cleanliness	Our coupling systems are delivered with the usual industrial cleanliness. Proper rinsing/cleaning is necessary before use in the context of purity classes.
Q	Flow volumes in m ³ /h or l/min, the volume of a medium that can be transported through the quick coupling based on determinations of the time interval, temperature and permitted pressure difference. The measurements are performed in compliance with DIN EN 60534 with water at 20°C and $\Delta p = 1$ bar. Note: A flow velocity of 8 m/sec should not be exceeded during designing.
Service life	The service life of the quick coupling system is determined based on both the chemical strength of the fed media and, crucially, numerous external influences. Details on the warranty period are therefore not possible to specify or only possible on the basis of defined attempts.
SIP capability	Marked products that can be sterilised or disinfected by killing all germs, such as through the use of steam, without disassembly.
Surface coating	The wear and corrosion resistance of the treated base materials is purposefully increased through coating (such as chromium-plating, nickel-plating and zinc-plating).
Vacuum	A vacuum is colloquially described as a pressure condition with an internal pressure that is lower than the atmospheric external pressure.
VO No. 1935/2004	Regulation (EG) No. 1935/2004 of the European Parliament and the Council on materials and articles intended to come into contact with food. Formerly: Directive 80/590/EEG and 89/109/EEG. The part number key is suffixed with -EF.
WEDISO	In the case of special material or seal versions, the part number key is presented as a combination of letters from AAAA to ZZZZ.
Y / Z design	Both special technical versions and additional options fall under this part number identification. Series / types with or without this part number identification may not be coupled with each other or only with special notice.

Glossary / Technical terminology and charts

Diameter Millimetre / Inch		Diameter Inch / Millimetre		Temperature °C / °F		Temperature °F / °C	
Millimetre	Inch	Inch	Millimetre	°C	°F	°F	°C
1	0.04	1/16"	1.59	-252	-421	-450	-268
2	0.08	1/8"	3.16	-196	-320	-350	-212
3	0.12	1/4"	6.35	-50	-58	-60	-51
4	0.16	3/8"	9.53	-40	-40	-40	-40
5	0.20	1/2"	12.70	-30	-22	-20	-29
6	0.24	5/8"	15.88	-20	-4	-10	-23
7	0.28	3/4"	19.05	-10	14	5	-15
8	0.32	7/8"	22.23	-5	23	15	-9
9	0.35	1"	25.40	0	32	30	-1
10	0.40	1 1/4"	31.75	10	50	60	15
20	0.79	1 1/2"	38.10	20	68	90	32
30	1.18	1 3/4"	44.45	30	86	120	49
40	1.58	2"	50.80	40	104	150	66
50	1.97	2 1/4"	57.15	50	122	180	82
60	2.36	2 1/2"	63.50	60	140	210	99
70	2.76	2 3/4"	69.85	70	158	250	121
80	3.54	3"	76.20	80	176	300	149
Pressure bar / psi		Pressure psi / bar		90	194	350	177
				100	212	400	204
bar	psi	psi	bar	150	302	450	232
1	14.50	10	0.69	200	392	500	260
5	72.52	100	6.89	250	482	600	316
10	145.04	150	10.34	300	572	700	371
15	217.55	200	13.79	800	1,472	1,500	815
20	290.07	300	20.68				
30	435.11	400	27.58				
40	580.14	500	34.47				
50	725.18	600	41.37				
60	870.21	700	48.26				
70	1,015.25	800	55.16				
80	1,160.28	900	62.05				
90	1,305.32	1,000	68.95				
100	1,450.35	2,000	137.90				
200	2,900.70	3,000	206.84				
300	4,351.05	4,000	275.79				
400	5,801.40	5,000	344.73				
500	7,251.75	10,000	689.48				
1,000	14,503.50	20,000	1,378.95				
1,500	21,755.25	30,000	2,068.43				
2,000	29,007.00	40,000	2,757.90				
2,500	36,258.75	50,000	3,447.38				
3,000	43,510.50	60,000	4,136.85				

Temperature / Saturated steam °C / bar		Medium MPa at 20 °C	
Temp. °C	S pressure bar	Dynamic viscosity	(MPa at 20 °C)
100	1.01	Diethyl ether	0.23
105	1.21	Drinking water	1
110	1.43	Transformer oil	30
115	1.69	Hydraulic oil HLP 68	195
120	1.99	Glycerin (pure)	4,190
125	2.32	Honey	10,000
130	2.70	Tar	100,000
135	3.13	Printing inks	10,000,000
140	3.61		
145	4.16		
150	4.76		
200	15.54		
250	39.74		

Media - Materials - Seals - Resistance chart

Resistance index:

resistant : +
conditional: O
non-resistant: -
empty: please enquire

	Galvanised steel	Passivated brass	Stainless steel No.1.4404/1.4571	Polyamide / PA 11/12	Polyacetal resin / POM	to DIN / ISO 1629		
						NBR	FKM	EPDM
Acetate (ethyl- and amyl-)	+	+	+	+	+	+	+	+
Acetic acid 10%	-	-	+	-	-	+	+	+
Acetone	+	+	+	+	+	+	+	+
Acetylene	+	+	+	+	+	+	+	+
Aircraft engine oil/turbine oil	+	+	+	+	O	+	+	+
Alkaline	-	O	+	+	O	+	+	+
Alum	-	-	+	+	+	+	+	+
Ammonia solution	-	-	+	O	O	+	+	+
Ammonia, liquid	O	-	+	+	-	+	+	+
Ammonium nitrate	+	-	+	+	+	+	+	+
Ammonium sulphate solution	-	-	+	+	+	+	+	+
Amyl alcohol	+	+	+	+	+	+	+	+
Aniline	+	-	+	O	O	+	+	+
Aviation fuel, jet fuel	+	+	+	-	+	+	+	+
Barium chloride	+	+	O	+	+	+	+	+
Barium sulphide	O	+	+	+	+	+	+	+
Benzene	+	+	+	+	+	+	+	+
Benzol	+	+	+	+	+	+	+	+
Blast furnace gas	O	+	+	-	O	+	+	+
Borax	+	+	+	+	+	+	+	+
Butane	+	+	+	+	+	+	+	+
Butyl alcohol	-	+	+	+	+	+	+	+
Calcium hydroxide	+	+	+	+	O	+	+	+
Carbon dioxide, dry	+	+	+	+	+	+	+	+
Carbon	+	+	+	+	+	+	+	+
Carbon disulphide	+	+	+	+	+	+	+	+
Carbonic acid	-	+	+	+	+	+	+	+
Carbonic acid, liquid	-	+	+	+	O	+	+	+
Caustic brine	-	-	+	O	O	+	+	+
Caustic soda	-	O	+	+	+	+	+	+
Chromic acid	-	-	O	O	-	+	+	+
Citric acid	-	+	+	-	O	+	+	+
Coal gas	O	+	+	+	+	+	+	+
Coal tar oil	+	+	+	+	O	+	+	+
Coke oven gas	O	+	+	O	O	+	+	+
Compressed air	+	+	+	+	+	+	+	+
Cooling water	O	O	+	+	O	+	+	+
Copper chloride	+	+	O	-	+	+	+	+
Creosote	+	+	+	+	+	+	+	+
Cresol	+	O	+	-	-	+	+	+
Cresol/cresylic acid	+	+	+	+	+	+	+	+
Crude oil	+	+	+	+	+	+	+	+
Cyclohexane	+	+	+	O	+	+	+	+
Diesel oil	+	+	+	+	+	+	+	+
Diesel oil up to 120°C	+	O	+	O	-	+	+	+
Essential oils	+	+	+	+	+	+	+	+
Ethanolamine	+	+	+	+	+	+	+	+
Ethyl alcohol, technical	+	+	+	+	+	+	+	+
Ethylene	+	+	+	+	+	+	+	+
Formalin	+	+	+	O	+	+	+	+
Formic acid	-	O	O	-	-	+	+	+
Freon F 11-12	+	+	+	+	+	+	+	+
Gas containing naphthalene	+	+	+	+	O	+	+	+
Glucose	+	+	+	+	+	+	+	+
Glycerine	+	+	+	+	+	+	+	+
Glycol	O	+	+	+	+	+	+	+
Heat transfer oil 200 °C (with FFKM up to 310°)	+	+	+	-	-	+	+	+
Helium	+	+	+	+	+	+	+	+
Hexane	+	+	+	+	+	+	+	+
Home heating oil	+	+	+	O	-	+	+	+
Home heating oil S	+	+	+	O	+	+	+	+
Hot air up to 120°C	+	O	+	O	O	+	+	+
Hot air up to 200°C	+	+	+	-	-	+	+	+
HSA - Oil-in-water emulsion VDMA 24317	-	+	+	+	+	+	+	+
HSB - Water-in-oil-emulsion VDMA 24317	-	+	+	+	+	+	+	+
HSC - Glycol-water mixture VDMA 24317	-	+	+	+	+	+	+	+
HSD - Synthetic oils VDMA 24317	O	+	+	+	+	+	+	+
Hydraulic oil, mineral-based	+	+	+	O	O	+	+	+
Hydraulic pressurised fluids, SE	O	+	+	+	+	+	+	+
Hydrocarbons	+	O	+	+	+	+	+	+
Hydrocarbons (highly-chlorinated)	O	+	+	+	+	+	+	+
Hydrocyanic acid	+	-	+	+	+	+	+	+
Hydrogen	+	+	+	+	+	+	+	+
Hydrogen gas	O	O	+	+	+	+	+	+
Hydrogen peroxide	-	-	+	+	-	+	+	+
Hydrogen sulphide, dry	+	+	+	O	+	+	+	+
Hydrogen sulphide, moist	+	O	+	+	-	+	+	+
Illuminating gas	+	+	+	+	+	+	+	+
Isopropyl alcohol	+	+	+	O	+	+	+	+
Kerosene JP1	+	+	+	+	+	+	+	+
Ketone (ethyl methyl)	+	+	+	+	+	+	+	+
Linseed oil	+	+	+	+	+	+	+	+
Lubricating oil	+	+	+	+	+	+	+	+
Magnesium carbonate	+	+	+	+	+	+	+	+

Media - Materials - Seals - Resistance chart

Resistance index:

resistant : +
 conditional: O
 non-resistant: -
 empty: please enquire

	Galvanised steel	Passivated brass	Stainless steel No.1.4404/1.4571	Polyamide / PA 11/12	Polyacetal resin / POM	to DIN / ISO 1629		
						NBR	FKM	EPDM
Magnesium hydroxide	+	O	+	+	+	+	+	+
Magnesium sulphate	-	+	+	+	+	+	+	+
Mercury	+	-	+	+	+	+	+	+
Methane	+	+	+	+	+	+	+	+
Methanol	+	+	+	+	+	+	+	+
Methyl alcohol	+	+	+	O	+	+	+	+
Methyl benzol	+	+	+	+	+	+	+	+
Methyl ethyl ketone	+	+	+	O	+	+	+	+
Milk	-	+	+	+	+	+	+	+
Mineral oil	+	+	+	+	+	+	+	+
Naphta	+	+	+	+	+	+	+	+
Naphthalene	+	+	+	+	+	+	+	+
Naphthenic acid	+	+	+	+	+	+	+	+
Natural gas synthetic	O	+	+	+	+	+	+	+
Natural gas	+	+	+	+	+	+	+	+
Nitric acid up to 35%	-	-	+	-	-	+	+	+
Nitro solvent (no synthetic resin thinner)	+	+	+	-	+	+	+	+
Nitrogen	+	+	+	+	+	+	+	+
Oleic acid	+	-	+	O	+	+	+	+
Olein fatty acid	+	+	+	+	+	+	+	+
Oxalic acid	O	O	-	O	-	+	+	+
Oxygen (grease-free)	O	+	+	+	O	+	+	+
Paraffin	+	O	+	+	+	+	+	+
Pentachlorophenol	+	+	+	+	+	+	+	+
Petroleum	+	+	+	+	+	+	+	+
Petroleum ether	+	+	+	+	+	+	+	+
Petroleum ether, refined	+	+	+	+	+	+	+	+
Phenol solution 1%, 20°C	O	+	+	-	-	+	+	+
Phosphate ester	O	+	+	+	+	+	+	+
Phosphoric acid 10%	+	+	+	+	+	+	+	+
Plant oils	+	+	+	+	+	+	+	+
Potassium cyanide	+	-	+	+	O	+	+	+
Potassium dichromate	+	-	+	-	O	+	+	+
Potassium hydroxide	-	-	O	O	O	+	+	+
Potassium sulphate	+	O	+	+	+	+	+	+
Propane gas	+	+	+	+	+	+	+	+
Seawater	-	+	+	+	+	+	+	+
Soap solution	-	O	+	+	O	+	+	+
Soda solution	-	O	+	+	O	+	+	+
Sodium acetate	+	+	+	+	+	+	+	+
Sodium bicarbonate	+	+	+	+	+	+	+	+
Sodium carbonate	+	+	+	+	+	+	+	+

General resistance properties

The details given here constitute only a small selection of all possible material combinations and are subject to change and only for initial orientation. Based on tests, recommendations and the experience of our suppliers, they apply to a) pure substances, b) room temperature if nothing else is specified, c) aqueous solutions of moderate temperature in the case of salts, acids, etc., and d) non-aggressive conditions. Other factors to be noted are the site of operation, the country-specific requirements and the exact composition of the medium.

Many other material combinations are available for all other substances, aggregate states, etc. not specified here, be these pure substances or homogeneous/heterogeneous mixtures. WALTHER combines the optimal suitable materials with the function and design of the quick coupling to create a tailor-made and safe solution: also with special materials such as **hastelloy** and seals such as **FFKM** when required.

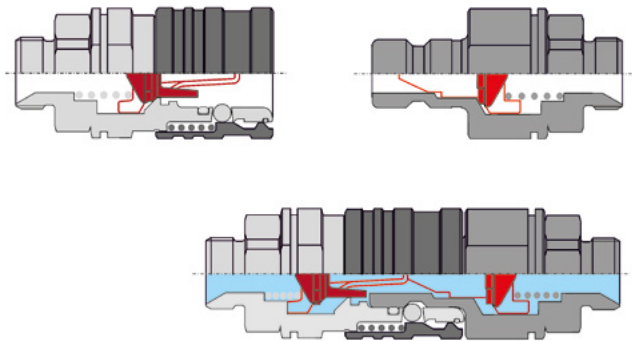
Valve types and properties



Coupling valve with valve-opening poppet / pointed valve series **LP** (NB 6-19)

Properties:

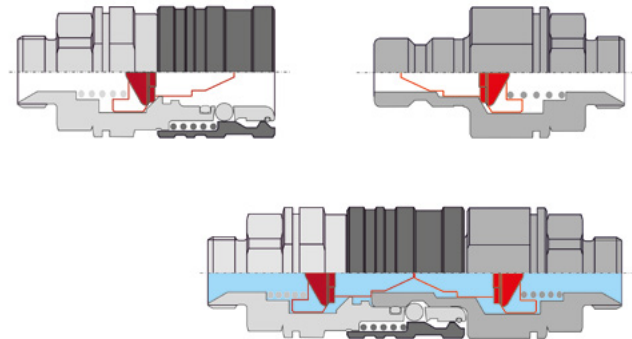
- Non-squirting during connection
- Flow-optimised
- For general applications



Pointed valve series **LP**, **MD** and **HP**

Properties:

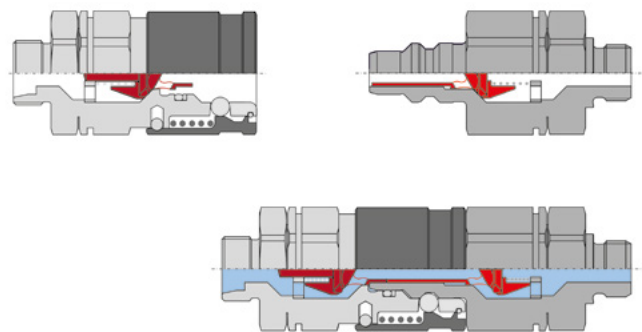
- Flow-optimised
- For general applications



Ring valve series **HP**

Properties:

- Impulse-load capability
- For high and maximum pressure ranges
- With vibration safety device



Valve types and properties

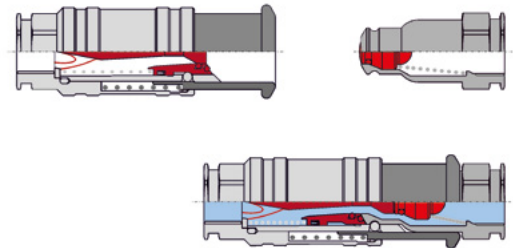


(Ball face)

Clean break valves series BF

Properties:

- Non-squirting during connection
- Minimal leakage volume during disconnection
- Suitable for sensitive media
- With cleaning position

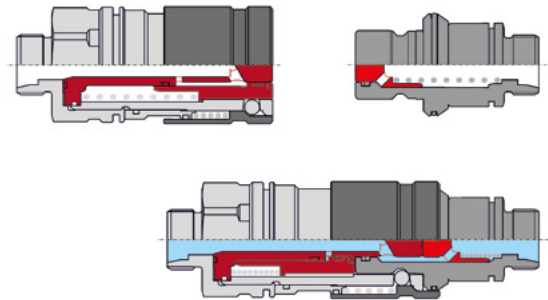


(Flat face)

Clean break valves series HC

Properties:

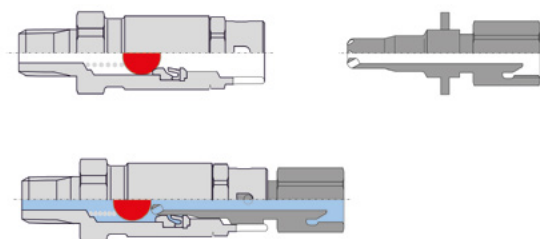
- Non-squirting during connection
- Minimal leakage volume during disconnection
- Suitable for self-lubricating media
- For high and ultra high pressures



Ball valve type 03-005

Properties:

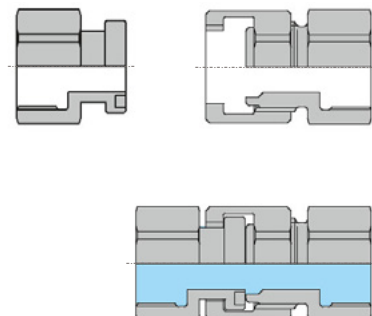
- Low leakage volume during unpressurized disconnection
- Suitable for water-soluble lacquers and synthetic resins



Without valve series EH

Properties:

- Maximum flow capacity
- Mostly laminar flow conditions
- Suitable for high viscosities (high viscosity = pasty)
- Suitable for lacquers and paints or even pellet transfers



Part number structure - series

LP - 006 - 0 - WR021 - 01 - 2 - GL - ...

Please note that the delivery time may vary in the case of larger orders depending on the series.

Series / Type	Field of use
02-	Miniature hydraulics up to 500 bar
06-	Water, compressed air
07-	Water, compressed air
11-	Heat transfer oil up to 310°C
BF-	Aggressive chemicals, non-lubricating media, solvents, gases
CG-	Coolants (water-glycol mixture, cooling oils)
CK-	Cooling water, mild acids and alkaline solutions
CN-	Chemical liquids, non-lubricating media, solvents, gases
CP-	Hydraulic fluids, self-lubricating media, water
CT-	Liquids, gases
EH-	Viscous to pastes, powders, foodstuffs, pharmaceuticals
FF- / 15-	Hydraulic fluids, self-lubricating media
HC-	Hydraulic fluids, self-lubricating media
HP-	Hydraulic fluids, chemical media, water, gases
KL-	Water, compressed air, mild acids and alkaline solutions
LP-	Water, compressed air, fuel, oils, miscellaneous liquids and gases
LS-	Compressed air - supply side
LT-	Compressed air - tool side
LV-	Water, fuel, compressed air, oils, chemistry, medical technology
MD-	Hydraulic fluids, chemical media, water, gases
SG-	Hydraulic fluids, chemical media, water, gases
SK-	Dust protection made of plastic
SL-	Dust protection made of plastic
SP-	Water, compressed air, fuel, oils, miscellaneous liquids
SW-	Compressed air spiral-coil hose
UF-	Gaseous / liquid media, non-interchangeability
UM-	Laboratory, medical and nuclear installations with gas, liquid or vacuum lines, non-interchangeability

Part number structure - nominal bore

LP - 006 - 0 - WR 021 - 01 - 2 - GL - ...

For an initial estimate of the coupling size, we compare our nominal bore in millimetres with the nominal bore in inches.
For selection of the correct size / diameter, the specification of the flow properties is crucial - not the fitting connection!

Nominal bore in millimetres	Size in inches
-003-	1/8" - 1/4"
-004-	1/8" - 1/4"
-005-	1/8" - 1/4"
-006-	1/4" - 1/2"
-007-	1/4" - 1/2"
-008-	1/4" - 1/2"
-009-	1/4" - 1/2"
-010-	3/8" - 3/4"
-011-	3/8" - 3/4"
-012-	1/2"
-016-	1/2" - 3/4"
-019-	3/4"
-020-	3/4"
-023-	3/4" - 1"
-025-	1"
-030-	1" - 1 1/4"
-032-	0,32 - 1 1/4"
-038-	1 1/2"
-040-	1 1/2"
-050-	2"
-080-	3"
-100-	4"

Part number structure - product types

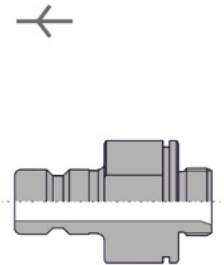
LP-006-0-WR021-01-2-GL-...

The different product types in purely schematic form, with regard to the part number structure, are presented here. The following series and types described in the catalogue can deviate from these both optically and technically.

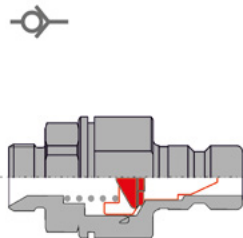
Warning: Different series / types and different materials must not be coupled together or must only be coupled under specific advice, since this can otherwise lead to property damage and personal injury with fatal consequences.



-0- Self-sealing coupling
= coupling with valve



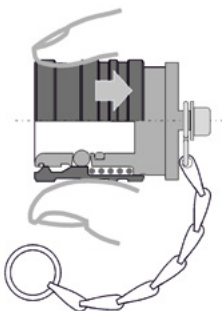
-1- Thru-type adaptor
= adaptor without valve



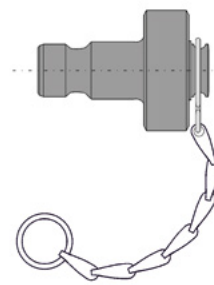
-2- Self-sealing adaptor
= adaptor with valve



-4- Thru-type coupling
= coupling without valve



-5- Dust cap
= protection element for adaptor



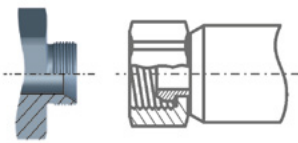
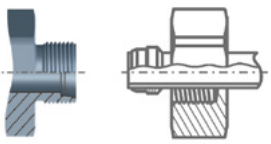
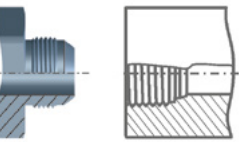
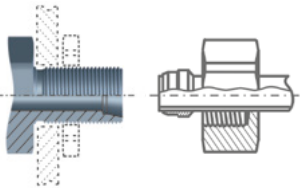
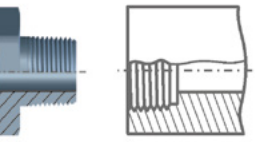
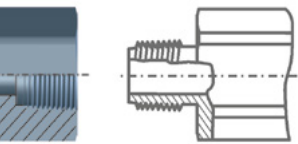
-6- Dust plug
= protection element for coupling

Part number structure - connection types

LP - 006 - 0 - WR021 - 01 - 2 - GL - ...

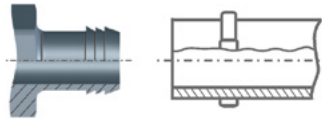
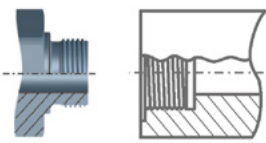
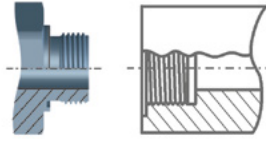
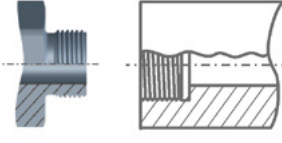
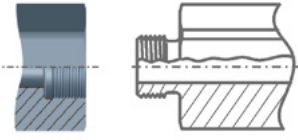
On request we supply our quick coupling systems with all standard thread and end connection types, also angled at **45° or 90°**. By default, not all end connection types listed are available in all materials!

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the operating pressure of the application. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue. If you have questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly. Below you will find general information on WALTHER-PRÄZISION end connections.

-D....-	Metric male thread with 60° sealing cone to DIN 7631, for taper coupling to DIN 3863 and union nut to DIN 3870, also available for bulkhead mounting	V	
-L....- -S....-	Metric male thread with 24° sealing cone to DIN 2353/8434, for cutting ring and union nut to DIN EN ISO 8434-1 (no scope of supply), light- or heavy-duty range	III	
-LH...-	Male thread to SAE J 514-JIC 37° sealing cone	XIV	
-LV...- -SV...-	Metric male thread with 24° sealing cone to DIN 2353/8434, for cutting ring and union nut to DIN EN ISO 8434-1 (no scope of supply), elongated for 10 mm bulkhead mounting, light- or heavy-duty range	IV	
-NP0..-	Tapered NPT thread, male thread to US standard ANSI/ASME B 1.20.1. A suitable sealant (such as sealing adhesive, PTFE tape, etc) that is not included in the scope of delivery is needed for customer assembly	XII	
-NP5..-	Tapered NPT thread, female thread to US standard ANSI/ASME B 1.20.1. A suitable sealant (such as sealing adhesive, PTFE tape, etc) that is not included in the scope of delivery is needed for customer assembly	XIII	

Part number structure - connection types

LP - 006 - 0 - WR021 - 01 - 2 - GL - ...

-SL...-	Hose connection, from single to multi-ribbed depending on the type and size, for industrial hoses. A suitable hose clamp that is not included in the scope of delivery is needed for customer assembly.	XI	
-VR...-	Cylindrical BSP thread, male thread to DIN EN ISO 228/BS 5200 with 60° sealing cone.	VII	
-WB...-	Cylindrical BSP thread, male thread to DIN EN ISO 228, screwed end to DIN 3852-2 Form B with small sealing cone.	VIII	
-WE...-	Cylindrical BSP thread, male thread to DIN EN ISO 228, screwed end to DIN 3852-11 Form E for profile seal or O-ring. The seal necessary for customer assembly is not included in the scope of delivery.	IX	
-WR0...-	Cylindrical BSP thread, male thread to DIN EN ISO 228. A suitable sealant (such as sealing adhesive, PTFE tape, etc) that is not included in the scope of delivery is needed for customer assembly.	I	
-WR5...-	Cylindrical BSP thread, female thread to DIN EN ISO 228. A suitable sealant (such as sealing adhesive, PTFE tape, etc) that is not included in the scope of delivery is needed for customer assembly.	II	
-XX...-	Adaptations to your particular application: Special connections that do not comply with a general standard, such as special threads, angular couplings, and extremely extended couplings. We are happy to advise you!		On request

Part number structure - materials

LP - 006 - 0 - WR021 - 01 - 2 - GL - ...

On request, we will deliver our quick coupling systems in all suitable material combinations (material and seal qualities as well as surface finishes).

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the operating pressure of the application. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue. If you have questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly. The surface finishes as described below have no influence when determining the operating pressure.

Below you will find general information on the standard materials used.

Stainless steel

- 01-** **1.4404/1.4571** (or equal-grade of high-grade stainless steels) are austenitic stainless chromium-nickel-molybdenum steels with low carbon content; 1.4571 with titanium stabilization (AISI reference 316L/316ti).
- 02-** **1.4305** (or equal-grade of high-grade stainless steels) is an austenitic chromium-nickel steel alloyed with sulphur (AISI reference 303).
- 0A-** **1.4571** is a stainless austenitic chromium-nickel-molybdenum steel with titanium stabilization (AISI reference 316ti).
- N2-** **1.4307** (or equal-grade of high-grade stainless steels) is an austenitic, more acid-resistant chromium-nickel steel (AISI reference 304L).
- W1-** **1.4418 QT900** (hardened and tempered), self-sealing adaptor made of 1.4418 QT900, all other housing of 1.4404 (US reference F6Nm).

Steel base material

- 11-** **Galvanized**, our components are free from hexavalent chromium (CR VI) and offer protection against corrosion.
- 12-** **Oil-burnished**, the components receive a weak protective layer through immersion in an acid or alkaline solution to prevent corrosion. Individual components are hardened to enhance strength. Not available with additional options FF.
- 13-** **Chemically nickel-plated**, the components receive a nickel-phosphorus alloy coating as protection against wear and corrosion.
- 19-** **Galvanized / partially oil-burnished** (see description under -11- and -12-) Not available with additional options FF.

Brass base material

- 21-** **Passivated**, the produced passivation layer offers improved corrosion or tarnish protection against fingerprints or changes in appearance.
- 22-** **Chromium-plated**, the base material receives a galvanic coating as protection against wear and corrosion.
- 23-** **Nickel-plated**, the components are coated by electrolytic means. Nickel offers good protection against diluted acids, water and most alkalis, for example.
- 24-** **Chemically nickel-plated**, the base material receives a nickel-phosphorus alloy coating as protection against wear and corrosion.

Part number structure - materials

L P - 0 0 6 - 0 - W R 0 2 1 - 0 1 - 2 - G L - ...

Aluminium base material

- 31-** **Silver anodised**, an aluminium coating process in which artificial oxidation is achieved using an anode current. This oxide coating has the benefit of colourability; in this case a translucent silver color.
- 36-** **Red anodised**, an aluminium coating process in which artificial oxidation is achieved using an anode current. This oxide coating has the benefit of colourability; in this case a red color.
- 39-** **Hard-coated**, a process that can only be carried out with certain grades of aluminium. The hard coating is formed into a cooled acid electrolyte through anodic oxidation. It serves to improve corrosion protection and wear.

Plastics

- 40-** **Polyacetal resin (POM) grey**, is a homopolymer with good mechanical strength, dimensional stability and low moisture absorption.
- 45-** **Polyacetal resin (POM) white** (see description -40-).
- 46-** **Polyacetal resin (POM) black** (see description -40-).
- 50-** **Polyamide (PA) grey**, is a semi-crystalline technical thermoplastic with good toughness, good stress-cracking resistance and very good notched impact strength.
- 73-** **Polyvinyl chloride (PVC) soft, black**, is very tough and strain crack-resistant as well as weather-resistant.
- 74-** **Polyvinyl chloride (PVC) soft, grey** (see description -73-).
- PA-** **Polyamide (PA)** (see description -50-).
- PP-** **Polypropylene (PP)** is a semi-crystalline thermoplastic with excellent bending durability. Only partly weather-resistant.
- PV-** **Polyvinylidene fluoride or polyvinylidene difluoride (PVDF)** is an opaque, semi-crystalline, thermoplastic fluoroplastic.

WEDISO

- A... - Z...-** A 4-digit identification formed of a combination of letters from AAAA to ZZZZ is assigned to special material or seal versions (**WEDISO**).

Part number structure - seals

L P - 0 0 6 - 0 - W R 0 2 1 - 0 1 - 2 - G L - ...

The different seal grades with their typical properties, with regard to the part number structure, are presented here. Properties that deviate from these can appear depending on the application, temperature and concentration of the medium.

Notice: Not all seal grades are possible with all material grades and coupling series.

-1-

NBR (Acrylonitrile butadiene rubber)

Has good mechanical properties, a low compression set, good low temperature behaviour, and a higher wear resistance. The material shows good resistance against hydraulic oils, mineral oils, petroleum products and oil-in-water emulsions, water glycols and animal and vegetable oils, benzene, flame-retardant oil-in-water emulsions (HFA liquids), water-in-oil emulsions (HFB liquids) and solutions of polymers in water (HFC liquids). Temperature range: -20°C to +80°C.

Applications: Standard material for oil and fuel-resistant seals. Not available with additional option FL.

-2-

FKM / FPM (Fluoroelastomers)

Characterised by excellent resistance to high temperatures, ozone, weather conditions, oxygen, mineral oils, synthetic hydraulic fluids, fuels, aromatics, many organic solvents and chemicals. For applications in water and steam, the upper temperature limit stands at approx. +120°C. Through its low gas permeability, FKM is suitable for high-vacuum conditions and has a good resistance to flame-retardant oil-in-water emulsions, water-in-oil emulsions and anhydrous synthetic liquids.

Temperature range: -15°C to +200°C. Applications: FKM is often used when NBR can no longer be used, due to reasons including high operating temperatures or inadequate resistance to chemicals.

-4-

EPDM (Ethylene-propylene-diene monomer)

Very good ageing stability under UV exposure and ozone exposure, also resistant to oxygen and diluted acids. EPDM shows an outstandingly good resistance to chemicals. Temperature range: -30°C to +140°C. EPDM is often FDA-compliant. Applications: Preferred material for use with glycol-based brake fluids and both hot water and hot steam.

-9-

PTFE (Polytetrafluoroethylene)

Intended for aggressive environments, high temperatures, high pressures and dry runs. Many PTFE composites are FDA-compliant. Working temperature range: -70°C to +250°C. PTFE seals require a special coupling design. Applications: Due to its suitability for aggressive media and its high temperature-resistance, PTFE is often used in the chemical and pharmaceutical industries, but also with high or especially low media and ambient temperatures.

-A... - Z...

WEDISO (Material/Seal/Special Design)

A 4-digit identification formed of a combination of letters from AAAA to ZZZZ is assigned to special material or seal versions.

-A... - Z...

FFKM (perfluoro rubber) / FVMQ (fluorosilicone rubber) / VMQ (silicone rubber)

Groups of high-performance elastomers with excellent chemical properties and specific physical resistances for various applications. They are encrypted by means of WEDISO. Short-term temperature resistance of up to 315 °C (FFKM). Some of these compounds are also available with specific regulatory approvals (e.g., FDA).

Part number structure - additional options

LP - 006 - 0 - WR021 - 01 - 2 - GL - ...

Notice:

The additional options and their combinations are not available for all coupling fittings. If you wish to combine several additional options, please contact our advisers.

-AD-	The coupling contains exclusively ADI-free sealing materials, i.e. without additives of animal origin.
-BB-	Certificate according to DIN EN 10204 (for example, 3.1 or 3.2) with material certificates and/or acceptance tests. Acceptance tests must be specified on a case-by-case basis when ordering and require written confirmation by WALTHER.
-DR-	Mechanically non-interchangeable triangular fitting.
-EF-	Design in accordance with Regulation (EG) No. 1935/2004, for quick couplings intended to come into contact with food. Preferred series: CT, CN, EH, BF.
-EX-	An ATEX-compliant design must be used in potentially explosive atmospheres. This corresponds to Equipment Group II/Category 2 of the Explosion Protection Directive 2014/34/EU.
-E01-	Version according to EN 14432:2004 - for transporting hazardous goods on roads and railways.
-FD-	The coupling fitting is equipped with FDA-compliant sealing materials (FDA = Food and Drug Administration).
-FF-	An oil and grease-free design is required in the case of some industrial applications or media.
-FL-	To eliminate disturbances during painting, no enamel flow-disturbing substances (paint-wetting impairment substances) may be used that might be obscured by compressed air.
-GG- / -EG-	In special cases, such as in the case of unfavourable installation positions, high operating temperatures, large nominal bore, etc., the use of additional ring grips, made either of cast aluminium (GG) or stainless steel (EG), can greatly facilitate the handling of fittings.
-GL-	Smooth design, used predominantly with fittings made of stainless steel.
-GW-	This design is intended for use in engineered gas installations in commercial and industrial gas applications.
-GX-	Smooth design, connection with two flat end plugs, used primarily on stainless steel fittings.

Part number structure - additional options

L P - 0 0 6 - 0 - W R 0 2 1 - 0 1 - 2 - G L - ...

Notice:

The additional options and their combinations are not available for all coupling fittings. If you wish to combine several additional options, please contact our advisers.

-KF- / -KL- / -KS-	Marking the coupling fitting by means of color (KF), laser (KL) or other mechanical methods (KS). The marking can be selected individually.
-OV-	Without valve. Note: For technical reasons, the coupling capability of OV nipples on locking couplings or OV couplings on locking nipples may be restricted.
-R1- to -R5-	Mechanically non-interchangeable round fitting (several versions).
-RA-	Radial safeguard against vibrations, standard with the HP series.
-RV-	The service life and wear resistance are considerably improved under strong pulsating pressures and especially harsh operating conditions through the fitting of ring valves. These valves must not be coupled with standard valves.
-SI-	Many couplings are available with an additional axial positive-locking safety device. Disconnection is thus only possible once the safety sleeve and retaining ring have been pulled apart under spring force and twisted against each other by 90°. Both end positions-engaged and disengaged-are fastened by spring-loaded cams. The operator can be assured of correct locking and securing when he/she attempts to disconnect the coupling by pulling back the safety sleeve as a control measure. This is not possible in a secured state.
-TA-	Extended tests are carried out and documented in line with the Clean Air Act (TA-Luft) with regard to leakage or in compliance with the specific leakage rate.
-UC-	Suitable for requirements according to USP-Class VI.
-VE-	In the case of long compressed air piping, the use of a self-sealing coupling or self-sealing adaptor with a bleed-off valve is recommended on the hose connection side. The potential backlash during disconnection is thereby considerably reduced and the air can escape from the hose slowly.
-VF-	The self-sealing couplings and self-sealing adaptors must be fitted with strengthened valve springs to ensure the negative pressure (vacuum) capability of the fittings while disconnected.
-VH-	The locking sleeve is locked in a retracted state for easier operation. When attached to the fitting component, the locking sleeve automatically jumps forward to the locking position. This is why it must not be touched or obstructed during this process.
-VI-	Mechanically non-interchangeable square fitting.
-Y..- / -Z..-	Both special technical versions and additional options fall under this part number identification. Series/types with or without this part number identification may not be coupled with each other or only with special notice.

Our commitment / certificates

Four values form the corporate culture of **WALTHER-PRÄZISION** as the foundation of business activities:

Enthusiasm, appreciation, integrity and discipline.

We live by these values in our business relationships with customers, suppliers and employees.

WALTHER-PRÄZISION strives to maintain a safe and healthy working environment for all employees and to simultaneously guarantee the safety and protection of company values.

Together with business partners, **WALTHER-PRÄZISION** wants to foster and ensure innovation and maximum performance in a sustainable manner.

Our philosophy of cooperation is based on mutual expectations and obligations: Focus is placed on reliability, transparency, communication and sustainability.



System certifications:

- DIN EN ISO 9001 (quality management)
- DIN EN ISO 13485 (medical technology)
- DIN EN ISO 14001 (environmental management)

Product- and customer-specific certifications and approvals:

- ATEX - Conformity assessments
- Type testing
- Pressure equipment directive (PED)
- DIN EN 14432 - Tanks for transporting hazardous goods
- Approval according to DIN IEC 61373
- and many more

In cooperation with:

Federal Agency for Material Research and Testing (BAM) / Berlin,
 DEKRA,
 DET NORSKE VERITAS,
 Intertek,
 SVGW / SSIGE,
 Germanischer Lloyd,
 TÜV Rheinland / Saarland / Süd

Safety instructions and liability

Liability

WALTHER-PRÄZISION assumes no liability and makes no guarantees for the completeness, accuracy and currency of the information made available in its print media, Internet presence and operating manuals. All specifications in the catalogue are subject to change. Changes and errors excepted. The same applies to images.



Due to the different working modes and the versatile applications of quick coupling systems, WALTHER-PRÄZISION cannot guarantee with its dealership network that a particular quick coupling system is suitable for each specific application. Not all technical details to be considered during the selection of a quick coupling system are analysed. The user is personally responsible for the following after conducting their own analyses.

- For the safe operation and the observance of maintenance and servicing.
- The selection of their quick coupling system.
- Meeting the end user requirements.
- The safety precautions that are necessary during the use of quick coupling systems to prevent personal injury and property damage.
- Independent technical alterations.

Safety instructions

As a matter of principle, all WALTHER-PRÄZISION products are designed exclusively for use in industrial or commercial fields, taking into account the relevant occupational safety regulations.

Only trained specialists or persons instructed by specialists may work on and with WALTHER-PRÄZISION products, and may install, operate, maintain and repair them.



Our extensive safety instructions can be found on our website under "Service" or by using the provided QR code.

Pressure Equipment Directive

The Pressure Equipment Directive 2014/68/EU of the European Union is generally applicable to products with an operating pressure (PS) of more than 0.5 bar. In accordance with the Pressure Equipment Directive, quick couplings can be classified as pressure-maintaining components. In compliance with the Pressure Equipment Directive, WALTHER-PRÄZISION products are compliantly designed and are delivered depending on their further rating with or without a CE marking. Quick couplings from the standard product range are generally designed for Group II media according to the Pressure Equipment Directive. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRÄZISION.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly.

Consultation and service



Do any of the following issues apply to your specific application?

Then contact us for a non-binding consultation, also available as an on-site service.

- **Coupling / uncoupling under residual pressure**
Coupling or uncoupling under residual pressure is not only power-intensive and impossible, but can lead to strong reaction forces or the so-called "whip effect". This may also result in damage to the fittings.
- **Pulsating pressures**
This can lead to deformation of the locking elements and valves, which can render uncoupling no longer possible or restrict the flow.
- **Use of non-lubricating media**
Solvents, alkalis, and other media can lead to the premature failure of the coupling system, because the O-rings on the components lack their lubricating effect.
- **Temperature-sensitive processes and environments**
To protect employees, special operating elements should be provided here, as the systems can be especially hot or cold due to the transported medium or the environment.
- **Interface reduction**
Minimizing the interfaces (adapters) helps reduce the potential for leakages.
- **Special requirements regarding the cleanliness of fittings**
Sensitive media place special demands on cleanliness levels. Contamination can lead to hazards for the end user or costs associated with reprocessing.
- **Special certifications**
Certain operating conditions require special certifications. Our range includes many certified products. We would be happy to assist you with special permits.
- **Non-movable head of liquid**
Incompressible media require system-controlled volume compensation. If this is not available, coupling is not possible.
- **Highly viscous media**
Media viscosity must be taken into account when calculating nominal diameters.
- **Optimisation of flow rate and nominal fitting diameters**
Fitting connections should correspond to the nominal diameter of the fitting, at least at their smallest bore diameter.

To avoid unnecessary costs, get in touch with WALTHER at an early stage.

We will design your assembly and production process as cost-effectively as possible.

We would be happy to provide you with support and advice. Please contact us:

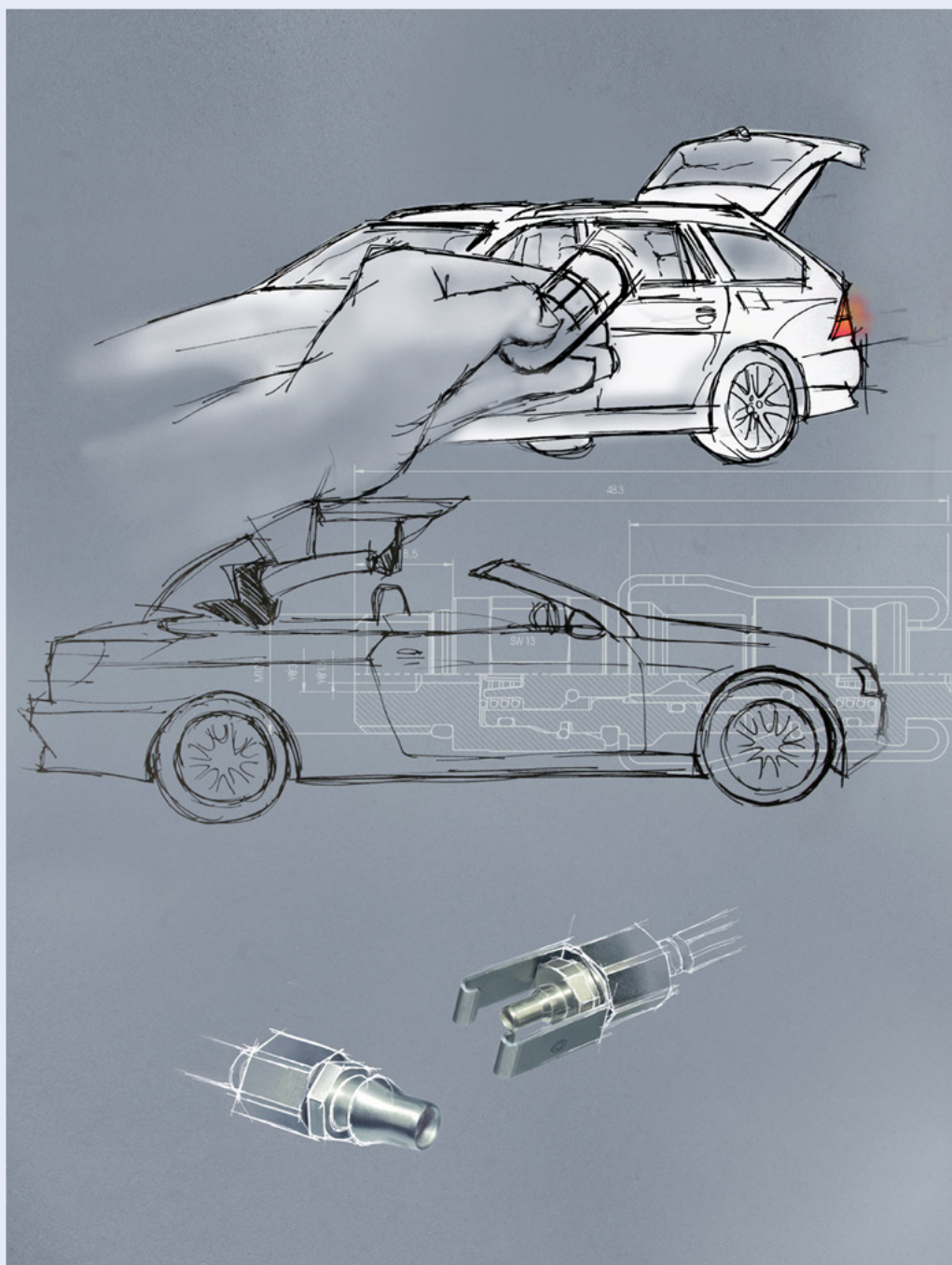


+49 (0) 2129 / 567-4000



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Nominal bores from 2.5 to 3 mm for pressure ranges up to 500 bar are used in different applications: In control lines, test lines and even in the cooling of smaller units. Both unilaterally and bilaterally locking systems, as well as designs without valves, can be used here. Extremely small installation spaces with nonetheless ergonomic handling and a broad spectrum of materials, sealing materials and connection types distinguish our range.

Mini-couplings up to 500 bar / 7,250 psi

Types finder

Typical applications	Features + options	Maximum permissible static pressure* [bar / psi]	Standard temperature** [°C]	Type	Page
High pressure hydraulics	Standard both sides self-sealing (valve in coupling and adaptor)	500 / 7,250	-20 to +200	02-003	27
Water, compressed air	Automatic locking, one side self-sealing (valve only on coupling side)	100 / 1,450	-20 to +80	06-003 	28
Water, compressed air, hydraulics	Automatic locking, both sides self-sealing (valve in coupling and adaptor)	200 / 2,900	-20 to +80	07-003 	29
Water, fuel, compressed air, oils	Automatic locking, one side self-sealing (valve only on coupling side)	200 / 2,900	-20 to +200	LP-003	30

* The max. permissible static pressure depends on the chosen technical version.

** The suitability for temperature depends on the medium, operating pressure and the quick coupling materials used.

We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000



tk@walther-praezision.de



Types 02-003 | 06-003 | 07-003 | LP-003

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, $\Delta p = 1 \text{ bar} / 15 \text{ psi}$		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, $\Delta p = 1 \text{ bar} / 15 \text{ psi}$		p max. permissible static [bar / psi]			Type
	EA	BA	EA	BA	EA	BA	Steel	Brass	Stainless steel	
							coupled	coupled	coupled	
2.5		0.10		1.43		5.06	500 / 7,250			02-003
2.5	0.17		2.43		8.60			100 / 1,450		06-003
3		0.14		2.00		7.08		200 / 2,900	200 / 2,900	07-003
3	0.21		3.00		10.63			200 / 2,900		LP-003

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

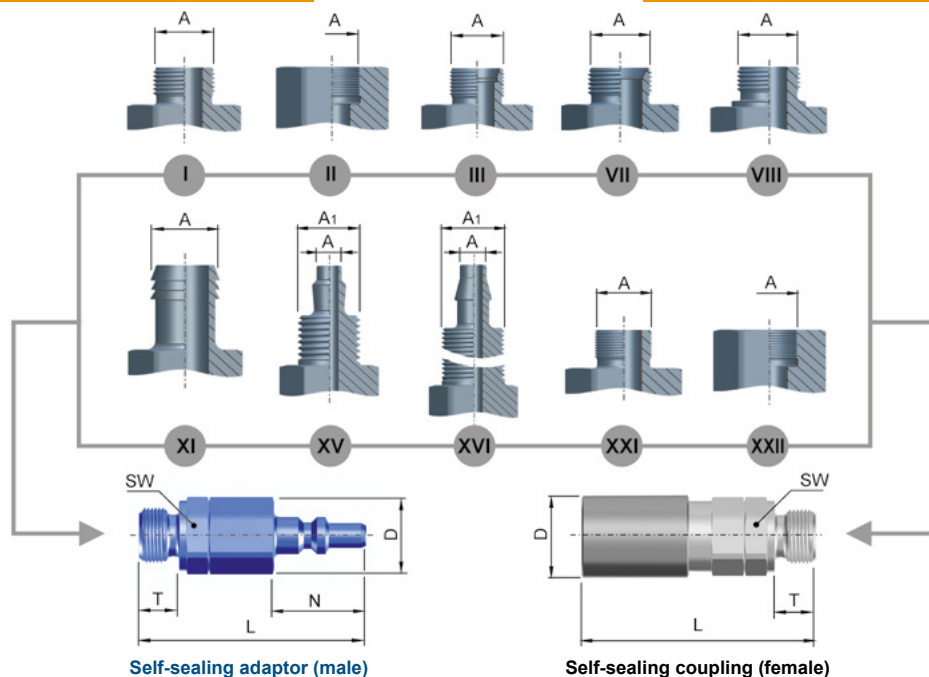
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Type 02-003

Product design features

Intended use: Small-sized quick coupling system in high pressure hydraulics, for the transmission of fluid media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
Only usable with both sides self-sealing or without valve	12 = Steel oil burnished Optional 13 = Steel chemically nickel plated	1 = NBR 2 = FKM Optional 4 = EPDM	OV* = Without valve More on request (see pages 19-20)

*Both sides only

Suitable hose lines with coupling fittings can be found in the section Accessories under „Reinforced hose lines“ (95021-0, 95020-0, 95020-2)

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

02-003-0-L0612-Material-Seal-Y../-Z..-Additional options

Product chart



NB	Product type	A	Design	Range	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
2.5	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	14	10	16.2	46.5		42	02-003-0-L0612-...-
2.5	Self-sealing coupling (female)	BSPP 1/4"	VII				14	11.5	16.2	47.5		45	02-003-0-VR013-...-
2.5	Self-sealing coupling (female)	BSPP 1/8"	VIII				14	9.5	16.2	46		42	02-003-0-WB010-...-
2.5	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	14	10	16.2	46	18.5	30	02-003-2-L0612-...-
2.5	Self-sealing adaptor (male)	BSPP 1/4"	VII				14	11	16.2	47	18.5	33	02-003-2-VR013-...-
2.5	Self-sealing adaptor (male)	BSPP 1/8"	VIII				14	9.5	16.2	45.5	18.5	30	02-003-2-WB010-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Type 06-003



Product design features

Intended use: Compact quick coupling system with one-sided shut-off and automatic locking, for the transmission fluid and gaseous media in an industrial / commercial environment in the low pressure range. Operable with one hand.

Properties	Materials	Seals	Additional options
- Automatic locking (One-hand operation) - One-sided shut-off (Valve only on coupling side)	23 = Brass nickel plated	1 = NBR 2 = FKM 4 = EPDM	OV* = Without valve

*No automatic locking is omitted here

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

06-003-0-SL004-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A / A1	Design	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
2.5	Self-sealing coupling (female)	4 mm	XI	2	9	19	10	39.5		10	06-003-0-SL004-...-
2.5	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XV		11	16	10	36.5		21	06-003-0-SW004-...-
2.5	Self-sealing coupling (female)	M 5	XXI		9	6	10	26.5		8	06-003-0-XX001-...-
2.5	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XVI		11	25	10	45.5		25	06-003-0-XX006-...-
2.5	Self-sealing coupling (female)	M 10	XXI		11	10	10	30.5		12	06-003-0-XX010-...-
2.5	Self-sealing coupling (female)	M 5	XXII		9	7	10	28		11	06-003-0-XX015-...-
2.5	Thru-type adaptor (male)	4 mm	XI			19	6	29.5	9	3	06-003-1-SL004-..
2.5	Thru-type adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV		11	16	12	29	9	17	06-003-1-SW004-..
2.5	Thru-type adaptor (male)	BSPP 1/8"	I		11	8	12	21	9	6	06-003-1-WR010-..
2.5	Thru-type adaptor (male)	M 5	XXI		9	6	9.9	19	9	4	06-003-1-XX001-..
2.5	Thru-type adaptor (male)	M 5	XXII		9	7	9.9	18	9	5	06-003-1-XX015-..

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Type 07-003

Product design features

Intended use: Compact quick coupling system in the medium pressure range for the transmission of fluid and gaseous media in an industrial / commercial environment, with automatic locking, shutt-off on both sides.

Properties	Materials	Seals	Additional options
- Automatic locking (One-hand operation) - Shutt-off on both sides (Valve in coupling and adaptor)	23 = Brass nickel plated Optional 01 = Stainless steel 1.4404/1.4571 or similar	1 = NBR 2 = FKM 4 = EPDM	On request (see pages 19-20)

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration
07-003-0-SL004-Material-Seal-Additional options-Y../Z..

Product chart



NB	Product type	A / A1	Design	SW	T	D	L	N	Weight Brass	Material-neutral part number
3	Self-sealing coupling (female)	4 mm	XI	12	19	15	51.8		32	07-003-0-SL004-...-
3	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XV	12	16	15	47.8		41	07-003-0-SW004-...-
3	Self-sealing coupling (female)	BSPP 1/8"	I	12	8	15	39.8		32	07-003-0-WR010-...-
3	Self-sealing coupling (female)	BSPP 1/8"	II	12	9	15	37.8		30	07-003-0-WR510-...-
3	Self-sealing adaptor (male)	4 mm	XI	12	19	13.2	50	15	17	07-003-2-SL004-...-
3	Self-sealing adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV	12	16	13.2	46	15	27	07-003-2-SW004-...-
3	Self-sealing adaptor (male)	BSPP 1/8"	I	12	8	13.2	38	15	18	07-003-2-WR010-...-
3	Self-sealing adaptor (male)	BSPP 1/8"	II	12	9	13.2	36	15	15	07-003-2-WR510-...-

NB - Nominal bore [mm] **A / A1** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Type LP-003

Product design features

Intended use: Small-sized quick coupling system in the medium pressure range for the transmission of fluid and gaseous media in an industrial / commercial environment with automatic locking, shut-off on coupling side only.

Properties	Materials	Seals	Additional options
- Automatic locking (one-hand operation) - One-sided shut-off (Valve only on coupling side)	23 = Brass nickel plated	1 = NBR 2 = FKM 4 = EPDM	OV = Without valve EX = ATEX-compliant FD = FDA-compliant FF = Oil and grease-free FL = free from paint wetting impairment substances

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling

Order number configuration

LP-003-0-L0612-Material-Seal-Additional options-Y../-Z..

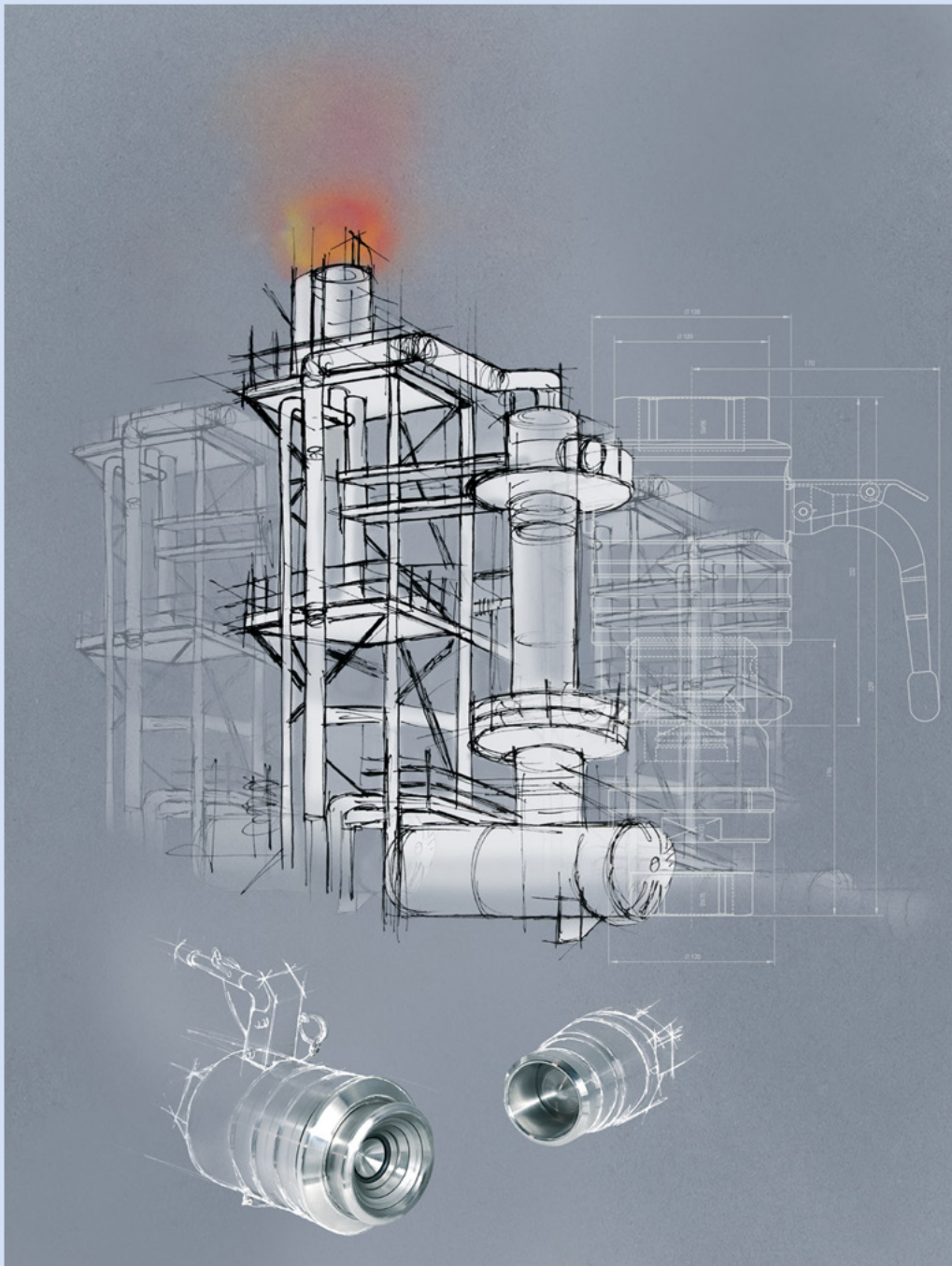


Product chart

NB	Product type	A / A1	Design	Range	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
3	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	14	10	15	34.5		38	LP-003-0-L0612-...-
3	Self-sealing coupling (female)	4 mm	XI			2.5	14	19	15	44.5		36	LP-003-0-SL004-...-
3	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XV				14	16	15	40.5		50	LP-003-0-SW004-...-
3	Self-sealing coupling (female)	BSPP 1/8"	I				14	8	15	32.5		32	LP-003-0-WR010-...-
3	Thru-type adaptor (male)	4 mm	XI					19	8	35	13	4	LP-003-1-SL004-...-
3	Thru-type adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV				12	16	13.2	33	13	17	LP-003-1-SW004-...-
3	Thru-type adaptor (male)	BSPP 1/8"	I				12	8	13.8	25	13	9	LP-003-1-WR010-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]





In low pressure ranges, quick couplings are used in the supply of compressed air, gas applications, cooling and temperature control circuits, hydraulic systems, as well as the supply lines of chemical acids and alkalis. You will find WALTHER coupling systems wherever quality comes into play, or where fluidic systems need to be connected and disconnected frequently and safely. To this end, different materials, sealing qualities and valve systems (even in clean break designs) are incorporated to meet the customer requirements.

Quick coupling systems up to 120 bar / 1,740 psi

Series Finder

Clean break valve designs marked in green

Typical applications	Features + options	Maximum permissible static pressure* [bar / psi]	Standard temperature** [°C]	Series	Page
Heat transfer oil	High-temperature coupling, heat-proof handles, automatic locking	16 / 232	to +310	11 	34
Chemistry safety sector	ATEX and FDA compliant, leakage in line with TA-Luft, ball face, Automatic locking	64 / 928	-10 to +200	BF	36
Cooling water - Railway technology	Vibration resistance, easy to install	16 / 232	-50 to +85	CG	40
Hose lines - Chemistry	Suitable for vacuums, can be coupled against residual pressures	25 / 363	-15 to +200	CN 	44
Process and laboratory technology	ATEX compliant, leakage in line with TA-Luft	64 / 928	-15 to +200	CT 	48
For pastes and powders	Screw type coupling	50 / 725	-70 to +250	EH	58
Water, fuel, technical gases, mildly aggressive media	Plastic version	12 / 174	0 to +80	KL 	62
Water, fuel, compressed air, oils	No squirt effects at NB 6 to 19, ring grips from NB 32	110 / 1,595	-30 to +200	LP 	68
Mains-side compressed air safety	Kickback-free during disconnection, can also be coupled with EURO adaptors	16 / 232	-20 to +80	LS	82
Tool-side compressed air safety	Can also be coupled with EURO adaptors	12 / 174	-20 to +80	LT	86
Water, fuel, compressed air, oils, chemistry, medical technology	No squirting effect	60 / 870	-30 to +200	LV	90
Water, fuel, oils, compressed air, gases, hydraulics	Compact dimensions	120 / 1,740	-30 to +200	SP	94
Gaseous / liquid media	Non-interchangeable keys, mechanical coding	40 / 580	-30 to +200	UF 	100
Laboratory, medical and nuclear installations with gas, liquid or vacuum lines	Non-interchangeable round keys, suitable for manipulator operation, mechanical coding	20 / 290	-30 to +200	UM	106

* The max. permissible static pressure depends on the chosen technical version.

** The suitability for temperature depends on the medium, operating pressure and the quick coupling materials used.

We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000



tk@walther-praezision.de



Series 11

Technical information

Nominal bore [mm]	Cv value		Q [L/min] oil (6,1 mm ² /s; 900 kg/m ³) 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	
12		3.23		44.42	16 / 232
19		6.29		88.25	16 / 232

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

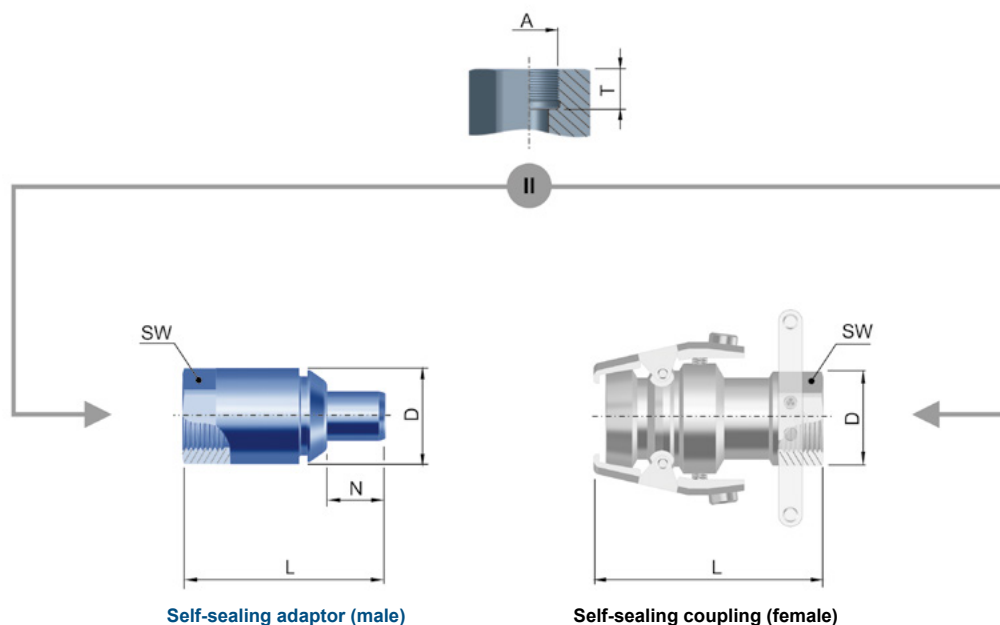
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.





Product design features

Intended use: Low pressure quick coupling system for a wide range of applications, for the transmission of heated fluid media in an industrial / commercial environment, especially for heat transfer oils.

Properties	WEDISO	Additional options
- Non-squirting - Automatic locking (One-hand operation)	Self-sealing coupling AAAH: up to max. 270°C AAAG (11-012)/AAAI (11-019): up to max. 310°C, oil-burnished steel, HT-GRA sealing combinations self-sealing adaptor AAAA: up to max. 310°C, oil-burnished steel, HT-GRA sealing combinations Optional Other materials on request	HG* = Heat-proof handles (11-012-0 and 11-019-0) - Special accessories: Parking adaptor (90° / 45°)

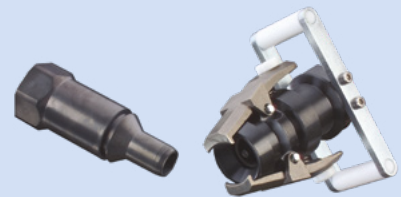
*11-012-0: Overall width = 110 mm, width without handles 54 mm, 11-019-0: Overall width = 110 mm, width without handles 61.4 mm

Note: Connection type II is suitable for type A, B, E screwed ends according to DIN 3852-T2. (Sealing either by metal sealing ring acc. to DIN 7603 or sealing edge).

Order number configuration

11-012-0-WR526-WEDISO-Additional options-Y../-Z..

Product chart



NB	Product type	A	Design	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing coupling (female)	BSPP 3/4"	X	36	16	42	100.4		625	11-012-0-WR526-....
12	Self-sealing adaptor (male)	BSPP 3/4"	X	34	16	37.5	95	23	292	11-012-2-WR526-....
19	Self-sealing coupling (female)	BSPP 1"	X	41	18	46	112.4		1,047	11-019-0-WR533-....
19	Self-sealing adaptor (male)	BSPP 1"	X	41	18	46	97.5	28	533	11-019-2-WR533-....

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series BF

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Stainless Steel
							coupled
5		0.80		11.42		40.49	64 / 928
9		4.00		57.12		202.43	64 / 928
12		8.00		114.25		404.85	64 / 928
25		14.70		209.93		743.92	40 / 580
50		59.50		849.72		3,011.11	16 / 232

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

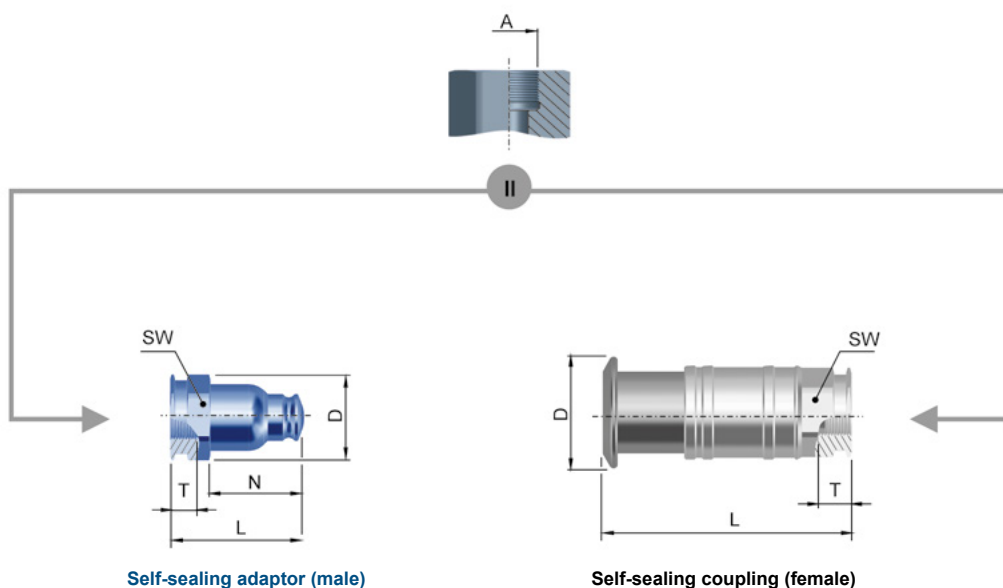
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Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the **performance diagram**
please click here.

To view the **connection description** ▶▶▶
please click here.



Series BF

Product design features

Intended use: Low pressure clean break quick coupling system for the most demanding applications, with ball face valves and cleaning position for easy cleaning, for the transmission of fluid media in an industrial / commercial environment, especially for the chemical industry and their chemically demanding acidic or alkaline products.

Properties	Materials	Seals	Additional options
- Low leakage volume during disconnection - Minimal air inclusion when connecting - Automatic locking (One-hand operation) NW 25 and 50: With valve lever function: Locking and valve opening are separate	01 = Stainless steel 1.4404/1.4571 or similar Optional Version for nitric acid	2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production EF = 1935/2004-compliant EX = ATEX-compliant FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances TA = in line with TA-Luft UC = according to USP class VI

Note: Residual leakage quantities or coupling ingress volumes on request.

Order number configuration

BF-005-0-WR513-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
5	Self-sealing coupling (female)	BSPP 1/4"	II	22	13	29	68.5		165	BF-005-0-WR513-...-
5	Self-sealing adaptor (male)	BSPP 1/4"	II	22	13	24.5	37.5	23.5	50	BF-005-2-WR513-...-
9	Self-sealing coupling (female)	BSPP 1/2"	II	32	17	44	122		630	BF-009-0-WR521-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	II	32	17	35.7	68	47.8	190	BF-009-2-WR521-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Series BF

Product chart

NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
12	Self-sealing coupling (female)	BSPP 3/4"	II	46	19	64	143		1,300	BF-012-0-WR526-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	II	46	19	51.2	78	54.2	440	BF-012-2-WR526-...-
25	Self-sealing coupling (female)	BSPP 1 1/2"	II	55	25	96	159		4,500	BF-025-0-WR548-...-
25	Self-sealing adaptor (male)	BSPP 1"	II	41	31.5	68	131	55.6	1,300	BF-025-2-WR533-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	II	95	33	137	223		15,200	BF-050-0-WR575-...-
50	Self-sealing adaptor (male)	BSPP 2"	II	75	35	114	195	80.8	5,350	BF-050-2-WR560-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Series CG

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Aluminium coupled
6		1.00		14.28		50.61	16 / 232
9		2.70		38.56		136.64	16 / 232
12		4.50		64.26		227.73	16 / 232
16		9.10		129.96		460.52	16 / 232
20		13.00		185.65		657.89	16 / 232
25		18.50		264.20		936.23	16 / 232

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

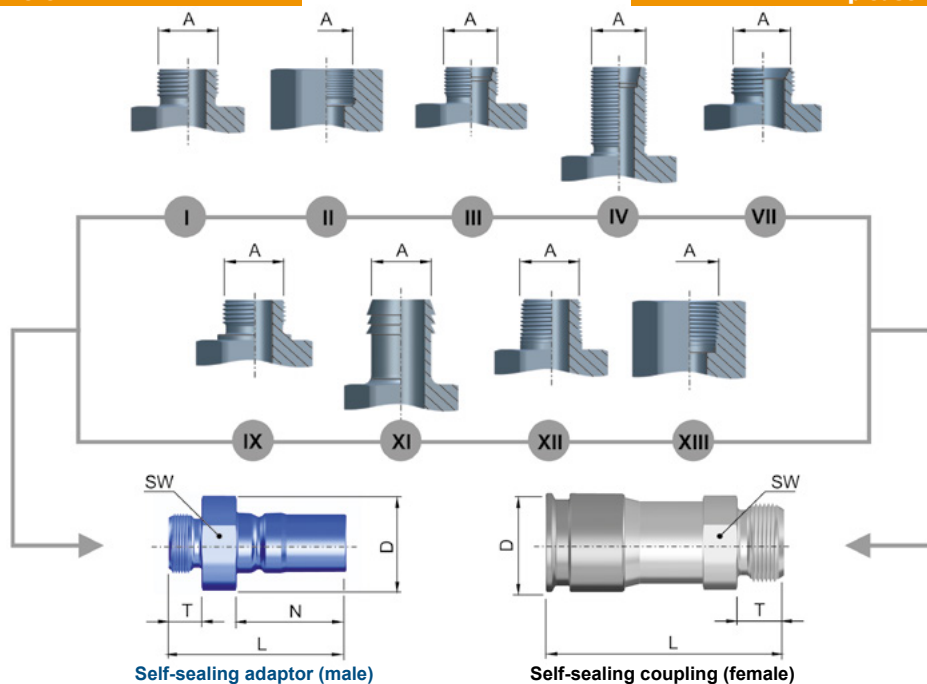
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series CG

Product design features

Intended use: Low pressure clean break quick coupling system for the transmission of fluid media in an industrial / commercial environment, especially for water-based emulsions such as cooling water with glycol.

Properties	WEDISO	Additional options
- Low leakage volume during disconnection - Minimal air inclusion when connecting - High flow rate - Suitable for parallel connections with equal flow	Material Aluminium Seals FKM, VMQ and FVMQ Optional Stainless steel versions on request	BB = 3.1 production FL = free from paint wetting impairment substances Optional - Flange connection or 90° end connection - Pre-assembled with hose - Dirt protection in coupled state - Vibration resistance acc. to EN61373, Cat.1 - Anti-twist device (Male side to female side)

The exact material and seal quality must be requested depending on the material-neutral part number.

Note: Residual leakage quantities or coupling ingress volumes on request.

Order number configuration
CG-G06-0-L1218-WEDISO-Additional options-Y..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Aluminium	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	27.5	74.3		84	CG-G06-0-L1218-....-Y01
6	Self-sealing coupling (female)	NPT 1/4"	XIII				19	10.5	27.5	69.3		65	CG-G06-0-NP513-....-Y01
6	Self-sealing coupling (female)	BSPP 1/4"	VII				19	17	27.5	74.3		82	CG-G06-0-VR013-....-Y01
6	Self-sealing coupling (female)	6 mm	XI			4	19	27.3	27.5	95.6		64	CG-G06-0-XX007-....-Y01
6	Self-sealing adaptor (male)	NPT 1/4"	XII				19	17	27.5	70.3	30	91	CG-G06-2-NP013-....-Y01
6	Self-sealing adaptor (male)	NPT 1/4"	XIII				19	10.5	27.5	60	30	36	CG-G06-2-NP513-....-Y01

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series CG

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Aluminium	Material-neutral part number
6	Self-sealing adaptor (male)	M 18 x 1.5	IV	L	12	8	22	35.5	27.5	86.8	30	102	CG-G06-2-XX005-....-Y01
6	Self-sealing adaptor (male)	BSPP 1/2"	I				30	13	35	63.5	30	92	CG-G06-2-XX006-....-Y01
9	Self-sealing coupling (female)	BSPP 3/8"	VII				30	12	32	77.6		122	CG-G09-0-VR017-....-Y01
9	Self-sealing adaptor (male)	BSPP 3/8"	VII				30	12	32	63.3	33	71	CG-G09-2-VR017-....-Y01
12	Self-sealing coupling (female)	13 mm	XI			9	32	30	36	101		109	CG-G12-0-SL013-....-Y08
12	Self-sealing coupling (female)	16 mm	XI				32	30	36	100		132	CG-G12-0-XX007-....-Y08
12	Self-sealing coupling (female)	BSPP 1/2"	II				32	12	36	81.9		145	CG-G12-0-XX019-....-Y08
12	Self-sealing coupling (female)	BSPP 1/2"	VII				32	13	36	86.9		140	CG-G12-0-XX027-....-Y08
12	Self-sealing coupling (female)	M 22 x 1.5	III	L	15	10	32	14	36	84.9		105	CG-G12-0-XX031-....-Y08
12	Self-sealing adaptor (male)	BSPP 1/2"	II				32	12	34.5	64.8	40	65	CG-G12-2-XX019-....-Y08
12	Self-sealing adaptor (male)	BSPP 1/2"	VII				32	13	34.5	67.7	40	55	CG-G12-2-XX027-....-Y08
12	Self-sealing adaptor (male)	M 22 x 1.5	III	L	15	10	32	14	34.5	67.6	40	57	CG-G12-2-XX031-....-Y08
16	Self-sealing coupling (female)	BSPP 3/4"	VII				36	16	42	96.1		198	CG-G16-0-VR026-....-Y05
16	Self-sealing coupling (female)	BSPP 3/4"	II				36	16	42	84.9		233	CG-G16-0-XX004-....-Y05
16	Self-sealing coupling (female)	BSPP 1"	II				36	18	42	87.7		224	CG-G16-0-XX005-....-Y05
16	Self-sealing adaptor (male)	BSPP 3/4"	VII				36	16	42	77	34	120	CG-G16-2-VR026-....-Y05
16	Self-sealing adaptor (male)	BSPP 3/4"	II				36	16	42	74.7	34	154	CG-G16-2-XX004-....-Y05
16	Self-sealing adaptor (male)	BSPP 1"	II				36	18	42	77.5	34	146	CG-G16-2-XX005-....-Y05
20	Self-sealing coupling (female)	M 36 x 2	III	L	28	24	50	14	59	115.7		434	CG-G20-0-L2836-....-Y01

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series CG

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Aluminium	Material-neutral part number
20	Self-sealing coupling (female)	BSPP 1 1/4"	I				50	22	59	122.7		453	CG-G20-0-WR042-....-Y01
20	Self-sealing adaptor (male)	M 36 x 2	III	L	28	24	50	14	59	83.4	47	231	CG-G20-2-L2836-....-Y01
20	Self-sealing adaptor (male)	BSPP 1 1/4"	I				50	22	59	91.4	47	268	CG-G20-2-WR042-....-Y01
25	Self-sealing coupling (female)	M 36 x 2	III	L	28	24	55	14	62	130.7		488	CG-G25-0-L2836-....-Y01
25	Self-sealing coupling (female)	BSPP 1 1/4"	IX				55	20	62	139.7		527	CG-G25-0-WE042-....-Y01
25	Self-sealing adaptor (male)	M 36 x 2	III	L	28	24	55	14	62	90.9	48	255	CG-G25-2-L2836-....-Y01
25	Self-sealing adaptor (male)	BSPP 1 1/4"	IX				55	20	62	99.9	48	294	CG-G25-2-WE042-....-Y01

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Technical information

Nominal bore [mm]	Cv-Wert		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	Stainless steel coupled
25		14		199.93		708.50	25 / 363
40		38		542.70		1,973.67	25 / 363
50		75		1,071.08		3,795.51	25 / 363
80		101		1,442.39		5,111.29	16 / 232 (10 / 145 for ADR version)
100		120		1,713.73		6,072.82	10 / 145

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

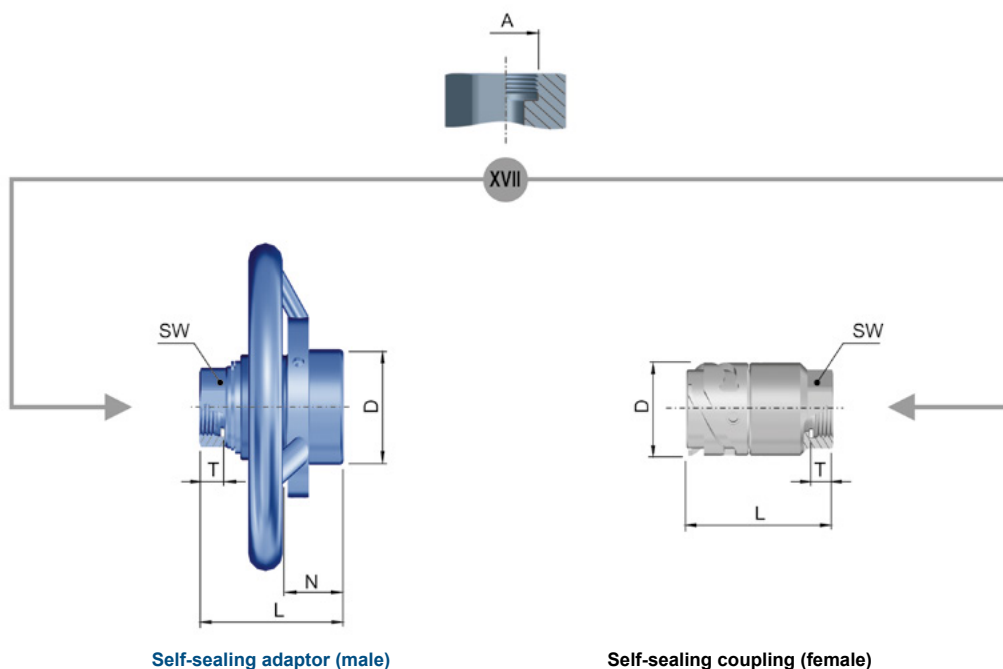
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.





Product design features

Intended use: Low pressure clean break quick coupling system with bayonet locking, for the transmission of fluid media in an industrial / commercial environment, especially for the chemical industry, also for selected Group 1 fluid media.

Properties	WEDISO	Additional options
- Low leakage volume during disconnection - Minimal air inclusion when connecting - Can be coupled under residual pressure - Vacuum suited (while coupled) - Easy disconnection of high-viscous fluid transfers	Material 0A = Stainless steel 1.4571 Seals FKM, EPDM Optional FFKM, and other materials versions	E01 = ADR approved according to DIN EN 14432 BB = 3.1 production EF = 1935/2004 compliant EG / RG* = ring grip EX = ATEX compliant FD = FDA compliant FL = free from paint wetting impairment substances UC = according to USP-class VI TA = in line with TA-Luft Optional Many other additional features available to customer requirements

*Diameter of the ring grips of the self-sealing adaptors: NB 25 = 190 mm, NB 40 = 190 mm, NB 50 = 2210 mm, NB 80 = 265 mm, NB 100 = 300 mm

Also available: protective caps and plugs, electronic query of the lock status, mechanical encoding, lockable.

Note: For the self-sealing adaptor, the ring grip "EG" is always part of the order number up from NB 40 (NB 25 optional), as "RG" from NB 80. Information to residual leakage volumens or ingress volume when connecting on request.

Recommendation: For handling reasons, the self-sealing couplings should be firmly mounted to the system, while the self-sealing adaptors (with the ring grips) are to be installed on flexible lines.

Order number configuration

CN025-0-WS533-WEDISO-GG/RG-Additional options-Y./-Z..



Product chart

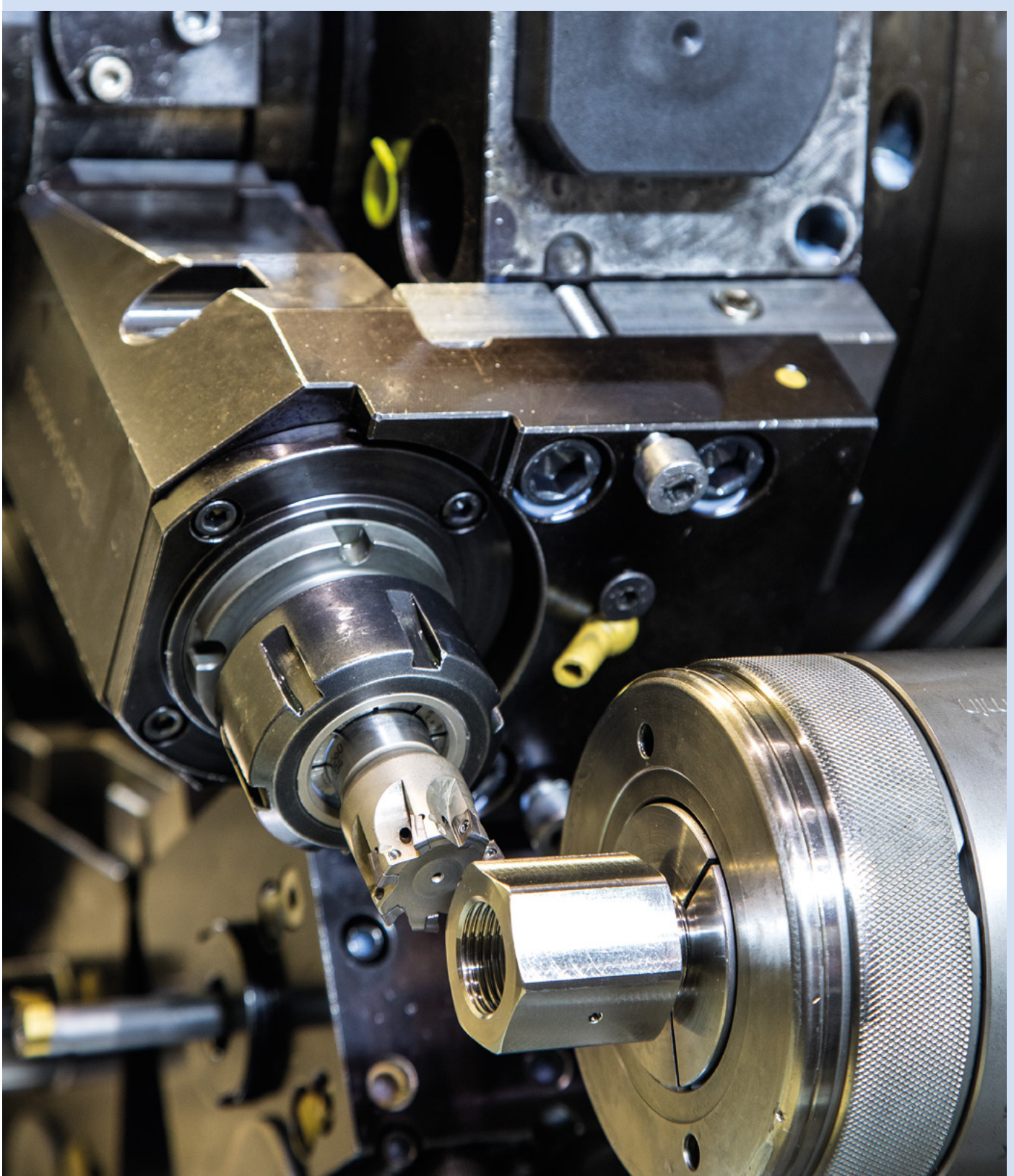
NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
25	Self-sealing coupling (female)	BSPP 1"	XVII	41	14	54	85		740	CN-025-0-WS533-....
25	Self-sealing adaptor (male)	BSPP 1"	XVII	41	14	66	83	27	880	CN-025-2-WS533-....

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
40	Self-sealing coupling (female)	BSPP 1 1/2"	XVII	60	18	85	115.8		2,170	CN-040-0-WS548-....
40	Self-sealing adaptor (male)	BSPP 1 1/2"	XVII	60	18	106	124.3	43	3,660	CN-040-2-WS548-....
50	Self-sealing coupling (female)	BSPP 2"	XVII	70	20	94	124		2,570	CN-050-0-WS560-....
50	Self-sealing adaptor (male)	BSPP 2"	XVII	70	20	121	133	45	4,410	CN-050-2-WS560-....
80	Self-sealing coupling (female)	BSPP 3"	XVII	100	24	124	143		5,970	CN-080-0-WS588-....
80	Self-sealing adaptor (male)	BSPP 3"	XVII	100	24	144	148	50	7,320	CN-080-2-WS588-....
100	Self-sealing coupling (female)	BSPP 4"	XVII	120	25	144	164		7,960	CN-100-0-WS613-....
100	Self-sealing adaptor (male)	BSPP 4"	XVII	120	25	164	165	58	9,680	CN-100-2-WS613-....

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Stainless steel
							coupled
3		0.45		6.43		22.77	64 / 928
5		0.80		11.42		40.49	64 / 928
7		1.85		26.42		93.62	64 / 928
9		2.75		39.27		139.17	64 / 928
12		4.50		64.26		227.73	64 / 928
19		9.80		139.95		495.95	40 / 580

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

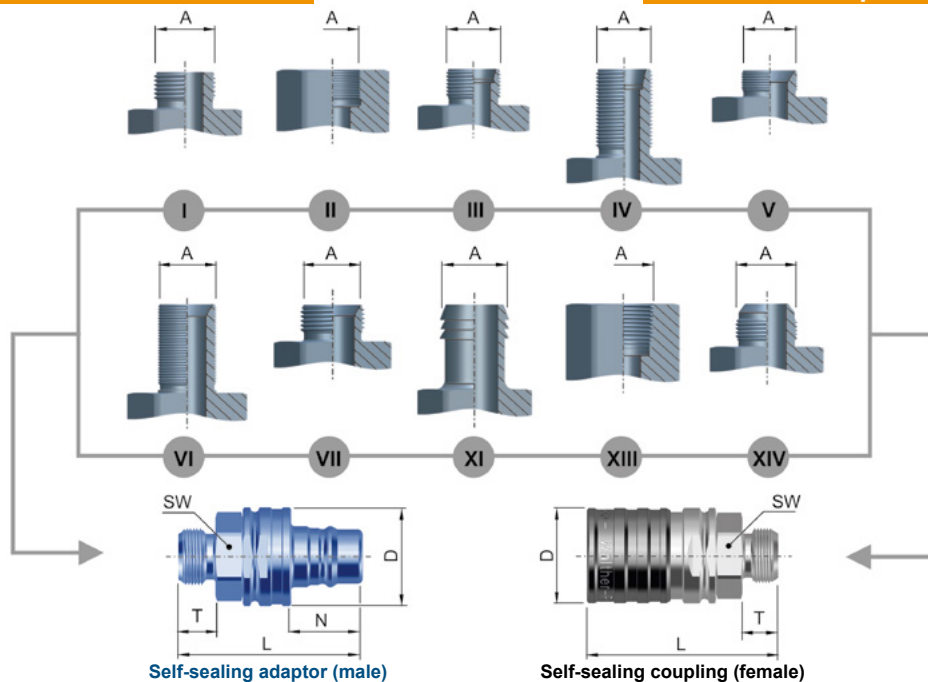
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.





Product design features

Intended use: Low pressure clean break quick coupling system with automatic locking, for the transmission of fluid or gaseous media in an industrial / commercial environment, especially for the chemical industry.

Properties	Materials	Seals	Additional options
- Automatic locking (One-hand operation) - Low leakage volume during disconnection - Minimal air inclusion when connecting - Non-Squirting - Can be coupled under residual pressure Also available as emergency release or breakaway coupling.	02 = Stainless steel 1.4307	2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production EF = 1935/2004-compliant EX = ATEX-compliant FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances RG* = Ring grips TA = in line with TA-Luft Non-interchangeable encoding on request

*Only available from NB 19

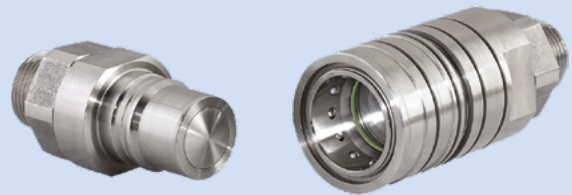
There are special parking stations for Series CT self-sealing couplings and self-sealing adaptors. Suitable protection elements can be found in this catalogue from p. 180.

Note: Information to residual leakage volumes or ingress volume when connecting on request

Order number configuration

CT-003-0-SL004-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A	De-sign	Ran-ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
3	Self-sealing coupling (female)	4 mm	XI			3	14	18	21.4	72.9		97	CT-003-0-SL004-...-
3	Self-sealing coupling (female)	6 mm	XI				14	25	21.4	78.7		98	CT-003-0-SL006-...-
3	Self-sealing coupling (female)	BSPP 1/8"	I				14	8	21.4	61.7		98	CT-003-0-WR010-...-
3	Self-sealing coupling (female)	BSPP 1/4"	I				14	11	21.4	64.7		104	CT-003-0-WR013-...-
3	Self-sealing coupling (female)	BSPP 1/8"	II				14	9	21.4	63.7		104	CT-003-0-WR510-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
3	Self-sealing adaptor (male)	4 mm	XI			3	14	18	21.4	58.7	22.2	42	CT-003-2-SL004-...-
3	Self-sealing adaptor (male)	6 mm	XI				14	25	21.4	64.5	22.2	43	CT-003-2-SL006-...-
3	Self-sealing adaptor (male)	BSPP 1/8"	I				14	8	21.4	47.5	22.2	43	CT-003-2-WR010-...-
3	Self-sealing adaptor (male)	BSPP 1/4"	I				14	11	21.4	50.5	22.2	49	CT-003-2-WR013-...-
3	Self-sealing adaptor (male)	BSPP 1/8"	II				14	9	21.4	49.5	22.2	49	CT-003-2-WR510-...-
5	Self-sealing coupling (female)	M 14 x 1.5	V			6	19	10	26.2	67.5		160	CT-005-0-D0614-...-
5	Self-sealing coupling (female)	M 14 x 1.5	VI			6	19	32	26.2	89.5		180	CT-005-0-DV008-...-
5	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	19	10	26.2	67.5		160	CT-005-0-L0612-...-
5	Self-sealing coupling (female)	M 14 x 1.5	III	L	8	6	19	10	26.2	67.5		160	CT-005-0-L0814-...-
5	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	19	11	26.2	68.5		160	CT-005-0-L1016-...-
5	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	26.2	68.5		160	CT-005-0-L1218-...-
5	Self-sealing coupling (female)	9/16 - 18UNF-3 -JIC	XIV				19	14.1	26.2	71.5		170	CT-005-0-LH014-...-
5	Self-sealing coupling (female)	M 14 x 1.5	IV	L	8	6	19	32	26.2	89.5		180	CT-005-0-LV008-...-
5	Self-sealing coupling (female)	NPT 1/4"	XIII				19	17	26.2	72.5		180	CT-005-0-NP513-...-
5	Self-sealing coupling (female)	NPT 3/8"	XIII				19	18	26.2	72.5		180	CT-005-0-NP517-...-
5	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	19	12	26.2	68.5		170	CT-005-0-S1018-...-
5	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	22	12	26.2	69.5		180	CT-005-0-S1220-...-
5	Self-sealing coupling (female)	6 mm	XI			4	19	25	26.2	82.5		160	CT-005-0-SL006-...-
5	Self-sealing coupling (female)	9 mm	XI				19	30	26.2	87.5		160	CT-005-0-SL009-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
5	Self-sealing coupling (female)	11 mm	XI				19	30	26.2	87.5		170	CT-005-0-SL011-...-
5	Self-sealing coupling (female)	13 mm	XI				19	30	26.2	87.5		180	CT-005-0-SL013-...-
5	Self-sealing coupling (female)	BSPP 1/4"	VII			6	19	11	26.2	68.5		160	CT-005-0-VR013-...-
5	Self-sealing coupling (female)	BSPP 3/8"	VII			6	19	12	26.2	69.5		170	CT-005-0-VR017-...-
5	Self-sealing coupling (female)	BSPP 1/4"	I				19	11	26.2	68.5		160	CT-005-0-WR013-...-
5	Self-sealing coupling (female)	BSPP 3/8"	I				19	12	26.2	69.5		170	CT-005-0-WR017-...-
5	Self-sealing coupling (female)	BSPP 1/2"	I				22	15	26.2	72.5		190	CT-005-0-WR021-...-
5	Self-sealing coupling (female)	BSPP 1/4"	II				19	13	26.2	67.5		170	CT-005-0-WR513-...-
5	Self-sealing coupling (female)	BSPP 3/8"	II				22	14	26.2	68.5		170	CT-005-0-WR517-...-
5	Self-sealing coupling (female)	M 16 x 1.5	IV	L	10	8	19	32	26.2	89.5		190	CT-005-0-XX211-...-
5	Self-sealing adaptor (male)	M 14 x 1.5	V			6	19	10	26	53	22	72	CT-005-2-D0614-...-
5	Self-sealing adaptor (male)	M 14 x 1.5	VI			6	19	32	26	75	22	87	CT-005-2-DV008-...-
5	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	26	53	22	67	CT-005-2-L0612-...-
5	Self-sealing adaptor (male)	M 14 x 1.5	III	L	8	6	19	10	26	53	22	72	CT-005-2-L0814-...-
5	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	19	11	26	54	22	72	CT-005-2-L1016-...-
5	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	26	54	22	72	CT-005-2-L1218-...-
5	Self-sealing adaptor (male)	9/16 - 18UNF-3 -JIC	XIV				19	14.1	26	57	22	70	CT-005-2-LH014-...-
5	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	26	75	22	87	CT-005-2-LV008-...-
5	Self-sealing adaptor (male)	NPT 1/4"	XIII				19	17	26	58	22	85	CT-005-2-NP513-...-
5	Self-sealing adaptor (male)	NPT 3/8"	XIII				19	18	26	58	22	80	CT-005-2-NP517-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
5	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	26	55	22	77	CT-005-2-S1018-...-
5	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	22	12	26	55	22	87	CT-005-2-S1220-...-
5	Self-sealing adaptor (male)	6 mm	XI			4	19	25	26	68	22	67	CT-005-2-SL006-...-
5	Self-sealing adaptor (male)	9 mm	XI				19	30	26	73	22	72	CT-005-2-SL009-...-
5	Self-sealing adaptor (male)	11 mm	XI				19	30	26	73	22	77	CT-005-2-SL011-...-
5	Self-sealing adaptor (male)	13 mm	XI				19	30	26	58	22	87	CT-005-2-SL013-...-
5	Self-sealing adaptor (male)	BSPP 1/4 "	VII			6	19	11	26	54	22	72	CT-005-2-VR013-...-
5	Self-sealing adaptor (male)	BSPP 3/8 "	VII			6	19	12	26	55	22	77	CT-005-2-VR017-...-
5	Self-sealing adaptor (male)	BSPP 1/4 "	I				19	11	26	54	22	72	CT-005-2-WR013-...-
5	Self-sealing adaptor (male)	BSPP 3/8 "	I				19	12	26	55	22	77	CT-005-2-WR017-...-
5	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	26	58	22	97	CT-005-2-WR021-...-
5	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	26	53	22	85	CT-005-2-WR513-...-
5	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	26	54	22	82	CT-005-2-WR517-...-
5	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	26	75	22	97	CT-005-2-XX211-...-
7	Self-sealing coupling (female)	M 16 x 1.5	V			8	24	11	32.7	77		260	CT-007-0-D0816-...-
7	Self-sealing coupling (female)	M 16 x 1.5	III			7	24	33.5	32.7	99.5		270	CT-007-0-DV010-...-
7	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	24	11	32.7	77		250	CT-007-0-L1016-...-
7	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	24	11	32.7	77		250	CT-007-0-L1218-...-
7	Self-sealing coupling (female)	9/16 - 18UNF-3 -JIC	XIV			6.3	24	14.1	32.7	80.1		250	CT-007-0-LH014-...-
7	Self-sealing coupling (female)	NPT 3/8"	XIII				24	18	32.7	82		280	CT-007-0-NP517-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
7	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	24	12	32.7	78		260	CT-007-0-S1220-...
7	Self-sealing coupling (female)	9 mm	XI			6	24	30	32.7	96		260	CT-007-0-SL009-...
7	Self-sealing coupling (female)	11 mm	XI				24	30	32.7	96		260	CT-007-0-SL011-...
7	Self-sealing coupling (female)	13 mm	XI				24	30	32.7	96		270	CT-007-0-SL013-...
7	Self-sealing coupling (female)	BSPP 3/8"	VII			7	24	12	32.7	78		250	CT-007-0-VR017-...
7	Self-sealing coupling (female)	BSPP 3/8"	I				24	12	32.7	78		260	CT-007-0-WR017-...
7	Self-sealing coupling (female)	BSPP 1/2"	I				24	15	32.7	81		270	CT-007-0-WR021-...
7	Self-sealing coupling (female)	BSPP 3/8"	II				24	14	32.7	78		270	CT-007-0-WR517-...
7	Self-sealing coupling (female)	BSPP 1/2"	II				27	17	32.7	81		290	CT-007-0-WR521-...
7	Self-sealing adaptor (male)	M 14 x 1.5	V			6	19	10	26	52	27	73	CT-007-2-D0614-...
7	Self-sealing adaptor (male)	M 14 x 1.5	VI			6	19	32	26	74	27	93	CT-007-2-DV008-...
7	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	26	52	27	73	CT-007-2-L0612-...
7	Self-sealing adaptor (male)	M 14 x 1.5	III	L	8	6	19	10	26	52	27	73	CT-007-2-L0814-...
7	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	19	11	26	53	27	73	CT-007-2-L1016-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	26	53	27	73	CT-007-2-L1218-...
7	Self-sealing adaptor (male)	9/16 - 18UNF-3 -JIC	XIV			6,3	19	14.1	26	56	27	71	CT-007-2-LH014-...
7	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	26	74	27	93	CT-007-2-LV008-...
7	Self-sealing adaptor (male)	NPT 3/8"	XIII				19	18	26	57	27	82	CT-007-2-NP517-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	26	54	27	83	CT-007-2-S1018-...
7	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	22	12	26	54	27	93	CT-007-2-S1220-...
7	Self-sealing adaptor (male)	9 mm	XI			6,5	19	30	26	72	27	73	CT-007-2-SL009-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
7	Self-sealing adaptor (male)	11 mm	XI				19	30	26	72	27	73	CT-007-2-SL011-...-
7	Self-sealing adaptor (male)	13 mm	XI				19	30	26	72	27	83	CT-007-2-SL013-...-
7	Self-sealing adaptor (male)	BSPP 1/4"	VII			6.5	19	11	26	53	27	73	CT-007-2-VR013-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	VII			7	19	12	26	54	27	78	CT-007-2-VR017-...-
7	Self-sealing adaptor (male)	BSPP 1/4"	I				19	11	26	53	27	73	CT-007-2-WR013-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	I				19	12	26	54	27	78	CT-007-2-WR017-...-
7	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	26	57	27	88	CT-007-2-WR021-...-
7	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	26	52	27	83	CT-007-2-WR513-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	26	53	27	83	CT-007-2-WR517-...-
7	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	26	74	27	103	CT-007-2-XX211-...-
9	Self-sealing coupling (female)	13 mm	XI				25	30	35.4	101		273	CT-009-0-SL013-...-
9	Self-sealing coupling (female)	BSPP 3/8"	I				25	12	35.4	83		333	CT-009-0-WR017-...-
9	Self-sealing coupling (female)	BSPP 1/2"	I				25	15	35.4	86		343	CT-009-0-WR021-...-
9	Self-sealing coupling (female)	BSPP 1/2"	II				27	17	35.4	86		283	CT-009-0-WR521-...-
9	Self-sealing adaptor (male)	9/16 - 18UNF-3 -JIC	XIV			6.3	25	14.1	28	70.1	30	120	CT-009-2-LH014-...-
9	Self-sealing adaptor (male)	NPT 1/2"	XIII				27	22	30	73	30	190	CT-009-2-NP521-...-
9	Self-sealing adaptor (male)	13 mm	XI				25	30	28	86	30	170	CT-009-2-SL013-...-
9	Self-sealing adaptor (male)	BSPP 3/8"	I				25	12	28	68	30	130	CT-009-2-WR017-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	I				25	15	28	71	30	140	CT-009-2-WR021-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	II				27	17	30	71	30	180	CT-009-2-WR521-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]


Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
12	Self-sealing coupling (female)	M 22 x 1.5	V			12	32	17	40	77		380	CT-012-0-D1222-...-
12	Self-sealing coupling (female)	M 22 x 1.5	VI			12	32	39	40	104		430	CT-012-0-DV015-...-
12	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	32	11	40	76		370	CT-012-0-L1218-...-
12	Self-sealing coupling (female)	M 22 x 1.5	III	L	15	12	32	12	40	77		380	CT-012-0-L1522-...-
12	Self-sealing coupling (female)	7/8 - 14UNF- 3 -JIC	XIV				32	19.3	40	84		400	CT-012-0-LH022-...-
12	Self-sealing coupling (female)	NPT 1/2"	XIII				32	22	40	84		480	CT-012-0-NP521-...-
12	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	32	14	40	79		390	CT-012-0-S1624-...-
12	Self-sealing coupling (female)	16 mm	XI				32	35	40	100		390	CT-012-0-SL016-...-
12	Self-sealing coupling (female)	19 mm	XI				32	35	40	100		410	CT-012-0-SL019-...-
12	Self-sealing coupling (female)	BSPP 1/2"	VII			12	32	15	40	80		380	CT-012-0-VR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	VII			12	32	17	40	82		400	CT-012-0-VR026-...-
12	Self-sealing coupling (female)	BSPP 1/2"	I			12	32	15	40	80		380	CT-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	I				32	17	40	82		410	CT-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1"	I				32	20	40	86		470	CT-012-0-WR033-...-
12	Self-sealing coupling (female)	BSPP 1/2"	II				32	17	40	79		420	CT-012-0-WR521-...-
12	Self-sealing coupling (female)	BSPP 3/4"	II				32	19	40	81		400	CT-012-0-WR526-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	V			12	32	17	40	73	30	260	CT-012-2-D1222-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	VI			12	32	39	40	100	30	260	CT-012-2-DV015-...-
12	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	32	11	40	72	30	250	CT-012-2-L1218-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	III	L	15	12	32	12	40	73	30	260	CT-012-2-L1522-...-
12	Self-sealing adaptor (male)	7/8 - 14UNF- 3 -JIC	XIV				32	19.3	40	83	30	280	CT-012-2-LH022-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
12	Self-sealing adaptor (male)	NPT 1/2"	XIII				32	22	40	83	30	360	CT-012-2-NP521-...-
12	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	32	14	40	75	30	270	CT-012-2-S1624-...-
12	Self-sealing adaptor (male)	16 mm	XI				32	35	40	96	30	270	CT-012-2-SL016-...-
12	Self-sealing adaptor (male)	19 mm	XI				32	35	40	96	30	290	CT-012-2-SL019-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	VII				32	15	40	76	30	260	CT-012-2-VR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	VII				32	17	40	87	30	280	CT-012-2-VR026-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	I				32	15	40	76	30	260	CT-012-2-WR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	I				32	17	40	78	30	290	CT-012-2-WR026-...-
12	Self-sealing adaptor (male)	BSPP 1"	I				32	20	40	82	30	350	CT-012-2-WR033-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	II				32	17	40	78	30	300	CT-012-2-WR521-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	II				32	19	40	80	30	280	CT-012-2-WR526-...-
19	Self-sealing coupling (female)	M 30 x 1.5	VI			19	46	45	58	156		1,470	CT-019-0-DV022-...-
19	Self-sealing coupling (female)	M 30 x 2	III	L	22	20	46	14	58	125		1,380	CT-019-0-L2230-...-
19	Self-sealing coupling (female)	1 1/16 - 12UN-3 -JIC	XIV			15.5	46	22	58	133		1,360	CT-019-0-LH027-...-
19	Self-sealing coupling (female)	NPT 3/4"	XIII				46	23.5	58	127		1,460	CT-019-0-NP526-...-
19	Self-sealing coupling (female)	M 36 x 2	III	S	25	20	46	18	58	129		1,410	CT-019-0-S2536-...-
19	Self-sealing coupling (female)	19 mm	XI			13	46	35	58	146		1,400	CT-019-0-SL019-...-
19	Self-sealing coupling (female)	25 mm	XI				46	40	58	151		1,420	CT-019-0-SL025-...-
19	Self-sealing coupling (female)	28 mm	XI				46	45	58	156		1,470	CT-019-0-SL028-...-
19	Self-sealing coupling (female)	BSPP 3/4"	VII			17	46	17	58	128		1,380	CT-019-0-VR026-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
19	Self-sealing coupling (female)	BSPP 1"	VII			19	46	20	58	131		1,420	CT-019-0-VR033-...-
19	Self-sealing coupling (female)	BSPP 3/4"	I			17	46	17	58	128		1,390	CT-019-0-WR026-...-
19	Self-sealing coupling (female)	BSPP 1"	I				46	20	58	131		1,420	CT-019-0-WR033-...-
19	Self-sealing coupling (female)	BSPP 3/4"	II				46	19	52	122		1,440	CT-019-0-WR526-...-
19	Self-sealing coupling (female)	BSPP 1"	II				46	23	52	126		1,430	CT-019-0-WR533-...-
19	Self-sealing adaptor (male)	M 30 x 1.5	VI			19	46	45	52	127	43.6	650	CT-019-2-DV022-...-
19	Self-sealing adaptor (male)	M 30 x 2	III	L	22	20	46	14	52	96	43.6	550	CT-019-2-L2230-...-
19	Self-sealing adaptor (male)	1 1/16 - 12UN-3 -JIC	XIV			15.5	46	22	52	104	43.6	650	CT-019-2-LH027-...-
19	Self-sealing adaptor (male)	NPT 3/4"	XIII				46	23.5	52	98	43.6	640	CT-019-2-NP526-...-
19	Self-sealing adaptor (male)	M 36 x 2	III	S	25	20	46	18	52	100	43.6	590	CT-019-2-S2536-...-
19	Self-sealing adaptor (male)	19 mm	XI			13	46	35	52	117	43.6	580	CT-019-2-SL019-...-
19	Self-sealing adaptor (male)	25 mm	XI				46	40	52	122	43.6	590	CT-019-2-SL025-...-
19	Self-sealing adaptor (male)	28 mm	XI				46	45	52	127	43.6	660	CT-019-2-SL028-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	VII			17	46	17	52	99	43.6	570	CT-019-2-VR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	VII			19	46	20	52	102	43.6	600	CT-019-2-VR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	I			17	46	17	52	99	43.6	570	CT-019-2-WR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	I				46	20	52	102	43.6	600	CT-019-2-WR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	II				46	19	52	93	43.6	620	CT-019-2-WR526-...-
19	Self-sealing adaptor (male)	BSPP 1"	II				46	23	52	97	43.6	610	CT-019-2-WR533-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series EH

Technical information

Nominal bore [mm]	Cv value	Q [L/min] water 20 °C, Δp = 1 bar / 15 psi	Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi	p max. permissible static [bar / psi]
	DK	DK	DK	Stainless Steel coupled
25	84	1,200	4,251	50 / 725
50	585	8,354	29,605	30 / 435
80	1,858	26,534	94,027	15 / 218

Through type coupling. The pressure specifications apply at a temperature of 20 °C. Other temperature ranges on request.

The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

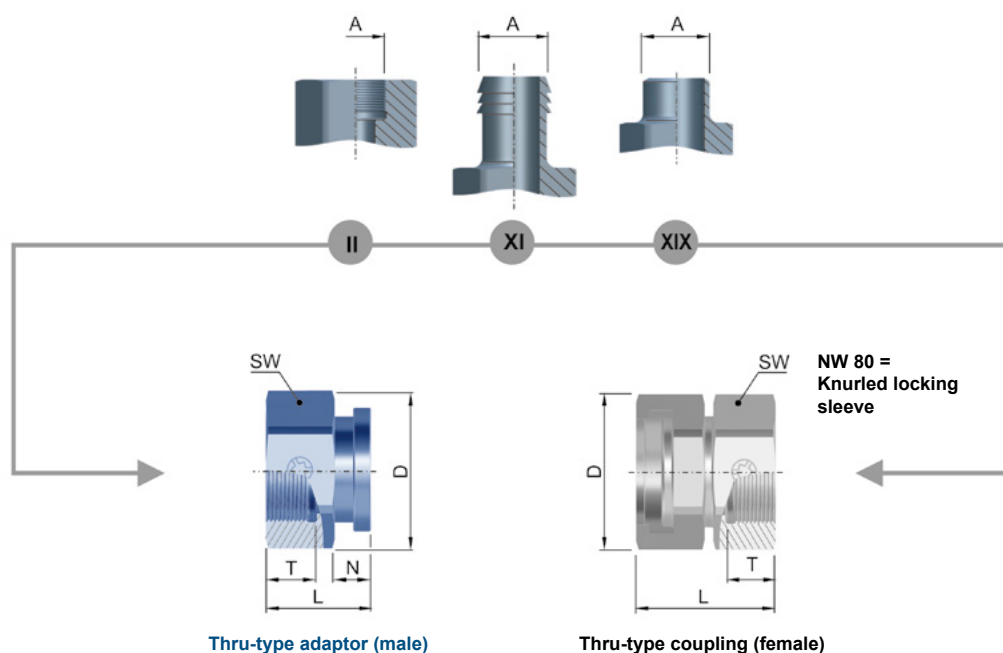
Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

Additional nominal sizes on request.

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series EH

Product design features

Intended use: Low pressure screw type coupling system without valves, for a wide range of applications, for the transmission of fluid or pasty media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
- Maximum flow rates - For high viscosities - Piggable - Suitable for (plastic) pellet-like transfer	Coupling nut Stainless steel 1.4404/1.4571, NW 80 1.4581 Coupling housing and adaptor Stainless steel 1.4404/1.4571	9 = PTFE	EF = 1935/2004 compliant FD = FDA compliant Others on request (See page 19-20)

Recommended tightening torques: EH-025 = 52 Nm, EH-050 = 140 Nm, EH-080 = 200 Nm

Order number configuration

EH-025-1-SL032-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
25	Thru-type adaptor (male)	32 mm	XI		45	45	77	22	319	EH-025-1-SL032-..
25	Thru-type adaptor (male)	BSPP 1 1/4"	II	50	25	55.5	53	22	353	EH-025-1-WR542-..
25	Thru-type adaptor (male)	OD 30 ID 24.8 mm	XIX		20	45	52	22	230	EH-025-1-XX001-..
25	Thru-type coupling (female)	32 mm	XI	46	45	55	103		576	EH-025-4-SL032-...-
25	Thru-type coupling (female)	BSPP 1 1/4"	II	50	25	55.5	77		633	EH-025-4-WR542-...-
25	Thru-type coupling (female)	OD 30 ID 24.8 mm	XIX	46	20	55	78		536	EH-025-4-XX001-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Series EH

Product chart

NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
50	Thru-type adaptor (male)	61 mm	XI		55	70	86	20.5	799	EH-050-1-SL060-..
50	Thru-type adaptor (male)	BSPP 2 1/2"	II	85	33	95	60	20.5	973	EH-050-1-WR575-..
50	Thru-type adaptor (male)	OD 57 ID 51.2 mm	XIX		45	70	76	20.5	552	EH-050-1-XX001-..
50	Thru-type coupling (female)	60 mm	XI	70	55	90	123		1,630	EH-050-4-SL060-...-
50	Thru-type coupling (female)	BSPP 2 1/2"	II	85	33	95	85		1,600	EH-050-4-WR575-...-
50	Thru-type coupling (female)	OD 57 ID 51.2 mm	XIX	70	45	82	113		1,369	EH-050-4-XX001-...-
80	Thru-type adaptor (male)	BSPP 5"	II	120	43	135	73	21	1,940	EH-080-1-WR613-..
80	Thru-type adaptor (male)	OD 88.9 ID 82.5 mm	XIX		20	105	51	21	944	EH-080-1-XX005-..
80	Thru-type coupling (female)	BSPP 4"	II	120	43	121	108		3,170	EH-080-4-WR613-...-
80	Thru-type coupling (female)	OD 88.9 ID 82.5 mm	XIX	115	20	121	96		2,278	EH-080-4-XX005-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	PA resp. POM
							coupled
6	1.00	0.73	14.28	10.43	50.61	36.94	12 / 174
12	3.10	2.32	44.27	33.13	156.88	117.41	10 / 145
30	30.46	23.30	435.00	332.75	1,541.48	1,179.14	10 / 145

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

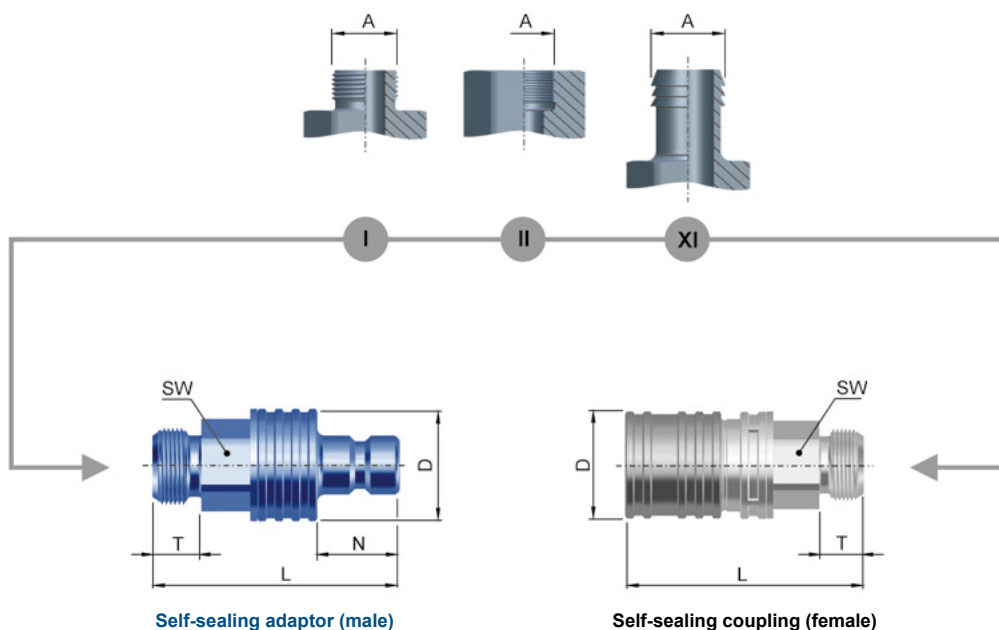
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRÄZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly.

◀◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.





Product design features

Intended use: Low pressure quick coupling system made of plastic for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
Ideal for battery watering systems KL-006 - Can be coupled with LP-006 KL-012 - Can be coupled with LP-012	Balls and springs made of stainless steel KL-006 50 = polyamide, grey KL-012 40 = polyacetal resin, grey Springs optional Hastelloy C KL-030 40 = polyacetal resin, grey 46 = polyacetal, black Optional Other material versions as special types, e.g. PP or PVDF	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	OV = Without valve KL-006 SI = Additional axial safety locking device (outside diameter of 29 mm) KL-012 SI = Additional axial safety locking device (outside diameter of 44 mm) Note: SI locking rings made of POM (black)

KL-006: Z14: Self-sealing coupling and adaptor from polypropylene material (PP) anthracite (p max. allowed 3 bar up to 20°C).
KL-012: Z01: Coupling with O-ring sealing (also for slight negative pressure).

Note: Some connecting adaptors made of POM can be found in the section Accessories under Connection and reducing adaptors.

Caution: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

KL-006-0-SL007-Material-Seal-Additional options-Y../Z..

Product chart



NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight PA	Material-neutral part number
6	Self-sealing coupling (female)	7 mm	XI	4	22	25	24	68.3		16	KL-006-0-SL007-...-
6	Self-sealing coupling (female)	9 mm	XI		22	30	24	73.3		17	KL-006-0-SL009-...-
6	Self-sealing coupling (female)	11 mm	XI		22	30	24	73.3		18	KL-006-0-SL011-...-
6	Self-sealing coupling (female)	13 mm	XI		22	30	24	73.3		19	KL-006-0-SL013-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight PA	Material-neutral part number
6	Self-sealing coupling (female)	BSPP 1/4"	I		22	12	24	55.3		16	KL-006-0-WR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	I		22	12	24	55.3		17	KL-006-0-WR017-...-
6	Self-sealing coupling (female)	BSPP 1/2"	I		22	12	24	55.3		18	KL-006-0-WR021-...-
6	Self-sealing coupling (female)	BSPP 1/4"	II		22	14	24	57.3		19	KL-006-0-WR513-...-
6	Self-sealing coupling (female)	BSPP 3/8"	II		22	14	24	57.3		18	KL-006-0-WR517-...-
6	Thru-type adaptor (male)	7 mm	XI	3		25	12	46	20	3	KL-006-1-SL007-..
6	Thru-type adaptor (male)	9 mm	XI			30	12	51	20	3	KL-006-1-SL009-..
6	Thru-type adaptor (male)	11 mm	XI			30	16	53	20	4	KL-006-1-SL011-..
6	Thru-type adaptor (male)	13 mm	XI			30	16	53	20	5	KL-006-1-SL013-..
6	Thru-type adaptor (male)	BSPP 1/8"	I	4	15	7	16	32	20	3	KL-006-1-WR010-..
6	Thru-type adaptor (male)	BSPP 1/4"	I		19	9	20.5	35	20	4	KL-006-1-WR013-..
6	Thru-type adaptor (male)	BSPP 3/8"	I		22	11	24	38	20	6	KL-006-1-WR017-..
6	Thru-type adaptor (male)	BSPP 1/8"	II		17	13.5	18.5	36	20	4	KL-006-1-WR510-..
6	Thru-type adaptor (male)	BSPP 1/4"	II		17	13.5	18.5	36	20	4	KL-006-1-WR513-..
6	Self-sealing adaptor (male)	7 mm	XI	4	22	25	24	66.5	20	10	KL-006-2-SL007-...-
6	Self-sealing adaptor (male)	9 mm	XI		22	30	24	71.5	20	10	KL-006-2-SL009-...-
6	Self-sealing adaptor (male)	11 mm	XI		22	30	24	71.5	20	11	KL-006-2-SL011-...-
6	Self-sealing adaptor (male)	13 mm	XI		22	30	24	71.5	20	12	KL-006-2-SL013-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I		22	12	24	53.5	20	10	KL-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I		22	12	24	53.5	20	10	KL-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I		22	12	24	53.3	20	11	KL-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II		22	14	24	55.5	20	13	KL-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II		22	14	24	55.5	20	12	KL-006-2-WR517-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight POM	Material-neutral part number
12	Self-sealing coupling (female)	16 mm	XI		30	35	40	98		90	KL-012-0-SL016-...-
12	Self-sealing coupling (female)	19 mm	XI		30	35	40	102		90	KL-012-0-SL019-...-
12	Self-sealing coupling (female)	BSPP 1/2"	I		30	15	40	88		90	KL-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	I		30	17	40	90		90	KL-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1/2"	II		30	15	40	82.5		85	KL-012-0-WR521-...-
12	Self-sealing coupling (female)	BSPP 3/4"	II		30	17	40	84.5		90	KL-012-0-WR526-...-
12	Thru-type adaptor (male)	13 mm	XI	8		30	21	59.5	29.5	13	KL-012-1-SL013-..
12	Thru-type adaptor (male)	16 mm	XI			35	21	64.5	29.5	14	KL-012-1-SL016-..
12	Thru-type adaptor (male)	19 mm	XI			35	25	68.5	29.5	19	KL-012-1-SL019-..
12	Thru-type adaptor (male)	BSPP 1/2"	I		30	15	33.1	54.5	29.5	21	KL-012-1-WR021-..
12	Thru-type adaptor (male)	BSPP 3/4"	I		30	17	33.1	56.5	29.5	25	KL-012-1-WR026-..
12	Thru-type adaptor (male)	BSPP 1/2"	II		30	15	33.1	49	29.5	19	KL-012-1-WR521-..
12	Thru-type adaptor (male)	BSPP 3/4"	II		30	17	33.1	51	29.5	20	KL-012-1-WR526-..
12	Self-sealing adaptor (male)	16 mm	XI		30	35	40	96	29.5	58	KL-012-2-SL016-...-
12	Self-sealing adaptor (male)	19 mm	XI		30	35	40	100	29.5	62	KL-012-2-SL019-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	I		30	15	40	86	29.5	60	KL-012-2-WR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	I		30	17	40	88	29.5	60	KL-012-2-WR026-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	II		30	15	40	82.5	29.5	55	KL-012-2-WR521-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	II		30	17	40	82.5	29.5	60	KL-012-2-WR526-...-
30	Self-sealing coupling (female)	BSPP 1 1/2"	II		60	23.5	70	114		330	KL-030-0-WR548-...-
30	Self-sealing coupling (female)	BSPP 2"	II		60	26	70	116		320	KL-030-0-WR560-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight POM	Material-neutral part number
30	Thru-type adaptor (male)	BSPP 1 1/2"	II		60	25	66	66	35	95	KL-030-1-WR548-..
30	Self-sealing adaptor (male)	BSPP 1 1/2"	II		60	23.5	66	114	35	230	KL-030-2-WR548-...-
30	Self-sealing adaptor (male)	BSPP 2"	II		60	26	66	116	35	220	KL-030-2-WR560-...-
30	Thru-type coupling (female)	BSPP 1 1/2"	II			18	70	84		240	KL-030-4-WR548-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]		
							Steel	Brass	Stainless Steel
	EA	BA	EA	BA	EA	BA	coupled	coupled	coupled
4	0.36	0.30	5.14	4.28	18.22	15.18	110 / 1,595	60 / 870	
6	1.13	0.73	16.14	10.43	57.19	36.94	100 / 1,450	40 / 580	90 / 1,305
7	1.50	1.17	21.42	16.71	75.91	59.21	70 / 1,015	40 / 580	60 / 870
12	4.34	3.28	61.98	46.84	219.63	165.99	60 / 870	30 / 435	50 / 725
19	11.60	8.40	165.67	119.97	587.04	425.10	60 / 870	30 / 435	40 / 580
32	29.40	23.80	419.88	339.90	1,487.84	1,204.44	30 / 435	30 / 435	30 / 435
50	68.00	59.00	971.15	842.62	3,441.26	2,985.80	30 / 435	20 / 290	30 / 435

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

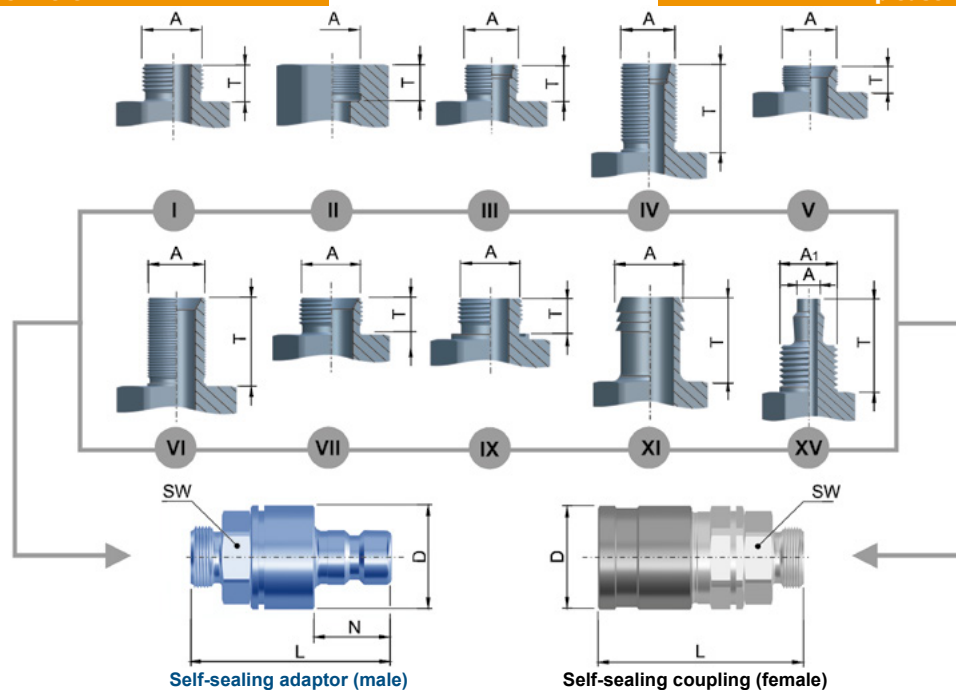
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.





Product design features

Intended use: Low pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
- Versatile, customisable series for many applications in the low pressure range - Also available in breakaway applications. LP-004 - See also LV-004 in extended, non-squirting design LP-006 / 012 - Can be coupled with KL-006 / 012 - In combination with KL, p max. of series KL must be observed! LP-006 to 019 - Non-squirting LP-032 / 050 - Not suitable for vacuum pressure	01 = Stainless steel 1.4404/1.4571 or similar 11 = Steel zinc plated 21 = Brass passivated 22 = Brass chrome plated LP-004 also 23 = Brass nickel plated (not available in 01 and 22) Optional 13 = Steel chemically nickel plated 24 = Brass chemically nickel plated LP-032 / 050 also 31 = Aluminium silver anodized	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production EX = ATEX-compliant FD = FDA-compliant FF = Oil and grease-free FL = free from paint wetting impairment substances GG = With ring grips Ø 130-220 (die-cast aluminium) GL = Smooth design GX = Smooth design with key flat-locking piece OV = Without valve TA = in line with TA-Luft SI = Secured with a safety lock LP-006 to LP-019 VH = VH = With locking aid

LP-006: SI - Outside diameter 29 mm
 LP-007: SI - Outside diameter 34 mm

LP-012: SI - Outside diameter 44 mm
 LP-019: SI - Outside diameter 58 mm

LP-032: SI - Outside diameter 89 mm
 LP-050: SI - Outside diameter 116 mm

Suitable protection elements can be found in this catalogue from p. 180.

Attention: GG and SI cannot be combined = Special version - please enquire

Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

LP-004-0-SL004-Material-Seal-Additional options-Y../Z..

Product chart



NB	Product type	A / A1	De-sign	Ran-ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
4	Self-sealing coupling (female)	4 mm	XI			3	14	19	18	50		47	LP-004-0-SL004-...-
4	Self-sealing coupling (female)	6 mm	XI				14	25	18	60.5		50	LP-004-0-SL006-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
4	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XV			3	14	16	18	51.5		60	LP-004-0-SW004-...
4	Self-sealing coupling (female)	BSPP 1/8"	I				14	8	18	43.5		50	LP-004-0-WR010-...
4	Self-sealing coupling (female)	BSPP 1/4"	I				14	11	18	46.5		55	LP-004-0-WR013-...
4	Self-sealing coupling (female)	BSPP 1/8"	II				14	9	18	45.5		55	LP-004-0-WR510-...
4	Thru-type adaptor (male)	4 mm	XI			3		18	12	37	16	9	LP-004-1-SL004-...
4	Thru-type adaptor (male)	6 mm	XI					25	12	44	16	11	LP-004-1-SL006-...
4	Thru-type adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV			3	12	16	13.2	37	16	22	LP-004-1-SW004-...
4	Thru-type adaptor (male)	BSPP 1/8"	I				14	8	16.2	29	16	15	LP-004-1-WR010-...
4	Thru-type adaptor (male)	BSPP 1/4"	I				14	11	16.2	32	16	20	LP-004-1-WR013-...
4	Thru-type adaptor (male)	BSPP 1/8"	II				14	9	16.2	29	16	18	LP-004-1-WR510-...
4	Self-sealing adaptor (male)	4 mm	XI			3	14	18	18	53	16	33	LP-004-2-SL004-...
4	Self-sealing adaptor (male)	6 mm	XI				14	25	18	60	16	36	LP-004-2-SL006-...
4	Self-sealing adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV			3	14	16	18	51	16	45	LP-004-2-SW004-...
4	Self-sealing adaptor (male)	BSPP 1/8"	I				14	8	18	43	16	36	LP-004-2-WR010-...
4	Self-sealing adaptor (male)	BSPP 1/4"	I				14	11	18	46	16	41	LP-004-2-WR013-...
4	Self-sealing adaptor (male)	BSPP 1/8"	II				14	9	18	45	16	41	LP-004-2-WR510-...
6	Self-sealing coupling (female)	M 14 x 1.5	V			6	19	10	25	57		110	LP-006-0-D0614-...
6	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	19	10	25	57		110	LP-006-0-L0612-...
6	Self-sealing coupling (female)	M 14 x 1.5	III	L	8	6	19	10	25	57		110	LP-006-0-L0814-...
6	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	19	11	25	58		110	LP-006-0-L1016-...

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	25	58		110	LP-006-0-L1218-...
6	Self-sealing coupling (female)	M 14 x 1.5	IV	L	8	6	19	32	25	79		130	LP-006-0-LV008-...
6	Self-sealing coupling (female)	M 16 x 1.5	III	S	8	4	19	12	25	59		120	LP-006-0-S0816-...
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	19	12	25	59		120	LP-006-0-S1018-...
6	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	22	12	25	59		130	LP-006-0-S1220-...
6	Self-sealing coupling (female)	6 mm	XI			4	19	25	25	72		110	LP-006-0-SL006-...
6	Self-sealing coupling (female)	9 mm	XI				19	30	25	77		110	LP-006-0-SL009-...
6	Self-sealing coupling (female)	11 mm	XI				19	30	25	77		120	LP-006-0-SL011-...
6	Self-sealing coupling (female)	13 mm	XI				19	30	25	77		130	LP-006-0-SL013-...
6	Self-sealing coupling (female)	BSPP 1/4"	VII			6	19	11	25	58		110	LP-006-0-VR013-...
6	Self-sealing coupling (female)	BSPP 3/8"	VII			6	19	12	25	59		120	LP-006-0-VR017-...
6	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	25	64		160	LP-006-0-WE017-...
6	Self-sealing coupling (female)	BSPP 1/4"	I				19	11	25	58		110	LP-006-0-WR013-...
6	Self-sealing coupling (female)	BSPP 3/8"	I				19	12	25	59		120	LP-006-0-WR017-...
6	Self-sealing coupling (female)	BSPP 1/2"	I				22	15	25	62		140	LP-006-0-WR021-...
6	Self-sealing coupling (female)	BSPP 1/4"	II				19	13	25	57		120	LP-006-0-WR513-...
6	Self-sealing coupling (female)	BSPP 3/8"	II				22	14	25	58		120	LP-006-0-WR517-...
6	Self-sealing cou- pling (female)	M 16 x 1.5	IV	L	10	8	19	32	25	79		140	LP-006-0-XX211-...
6	Thru-type adaptor (male)	6 mm	XI			4			12	46	20	16	LP-006-1-SL006-..
6	Thru-type adaptor (male)	9 mm	XI						12	51	20	20	LP-006-1-SL009-..
6	Thru-type adaptor (male)	11 mm	XI						16	53	20	31	LP-006-1-SL011-..

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Thru-type adaptor (male)	13 mm	XI						16	53	20	41	LP-006-1-SL013-..
6	Thru-type adaptor (male)	BSPP 1/8"	I			5	14	8	15.5	35	20	22	LP-006-1-WR010-..
6	Thru-type adaptor (male)	BSPP 1/4"	I				14	11	15.5	39	20	25	LP-006-1-WR013-..
6	Thru-type adaptor (male)	BSPP 3/8"	I				19	12	21	40.5	20	39	LP-006-1-WR017-..
6	Thru-type adaptor (male)	BSPP 1/8"	II				15	9	16.5	31	20	20	LP-006-1-WR510-..
6	Thru-type adaptor (male)	BSPP 1/4"	II				17	13	18.9	36	20	28	LP-006-1-WR513-..
6	Thru-type adaptor (male)	BSPP 3/8"	II				22	14	24	38	20	44	LP-006-1-WR517-..
6	Self-sealing adaptor (male)	M 14 x 1.5	V			6	19	10	25	55	20	85	LP-006-2-D0614-...-
6	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	25	55	20	80	LP-006-2-L0612-...-
6	Self-sealing Adap- tor (male)	M 14 x 1.5	III	L	8	6	19	10	25	55	20	85	LP-006-2-L0814-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	19	11	25	56	20	85	LP-006-2-L1016-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	25	56	20	85	LP-006-2-L1218-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	25	77	20	100	LP-006-2-LV008-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	S	8	4	19	12	25	57	20	90	LP-006-2-S0816-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	25	57	20	90	LP-006-2-S1018-...-
6	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	22	12	25	57	20	100	LP-006-2-S1220-...-
6	Self-sealing adaptor (male)	6 mm	XI			4	19	25	25	70	20	80	LP-006-2-SL006-...-
6	Self-sealing adaptor (male)	9 mm	XI				19	30	25	75	20	85	LP-006-2-SL009-...-
6	Self-sealing adaptor (male)	11 mm	XI				19	30	25	75	20	90	LP-006-2-SL011-...-
6	Self-sealing adaptor (male)	13 mm	XI				19	30	25	75	20	100	LP-006-2-SL013-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	VII			6	19	11	25	56	20	85	LP-006-2-VR013-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing adaptor (male)	BSPP 3/8"	VII			6	19	12	25	57	20	90	LP-006-2-VR017-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	25	62	20	130	LP-006-2-WE017-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I				19	11	25	56	20	85	LP-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I				19	12	25	57	20	90	LP-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	25	60	20	110	LP-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	25	55	20	90	LP-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	25	56	20	95	LP-006-2-WR517-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	25	77	20	110	LP-006-2-XX211-...-
7	Self-sealing coupling (female)	M 16 x 1.5	V			8	24	11	30	67		200	LP-007-0-D0816-...-
7	Self-sealing coupling (female)	M 16 x 1.5	VI			8	24	33.5	30	89.5		210	LP-007-0-DV010-...-
7	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	24	11	30	67		190	LP-007-0-L1016-...-
7	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	24	11	30	67		190	LP-007-0-L1218-...-
7	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	24	12	30	68		200	LP-007-0-S1018-...-
7	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	24	12	30	68		200	LP-007-0-S1220-...-
7	Self-sealing coupling (female)	9 mm	XI			6	24	30	30	86		200	LP-007-0-SL009-...-
7	Self-sealing coupling (female)	11 mm	XI				24	30	30	86		200	LP-007-0-SL011-...-
7	Self-sealing coupling (female)	13 mm	XI				24	30	30	86		210	LP-007-0-SL013-...-
7	Self-sealing coupling (female)	BSPP 3/8"	VII			7	24	12	30	68		190	LP-007-0-VR017-...-
7	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	30	71		220	LP-007-0-WE017-...-
7	Self-sealing coupling (female)	BSPP 3/8"	I				24	12	30	68		200	LP-007-0-WR017-...-

NB - Nominal bore [mm] **A / A1** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
7	Self-sealing coupling (female)	BSPP 1/2"	I				24	15	30	71		210	LP-007-0-WR021-...
7	Self-sealing coupling (female)	BSPP 3/8"	II				24	14	30	68		210	LP-007-0-WR517-...
7	Self-sealing coupling (female)	BSPP 1/2"	II				27	17	30	71		230	LP-007-0-WR521-...
7	Thru-type adaptor (male)	9 mm	XI			6		30	14	54.5	23.3	29	LP-007-1-SL009-...
7	Thru-type adaptor (male)	11 mm	XI					30	18	56.5	23.3	37	LP-007-1-SL011-...
7	Thru-type adaptor (male)	13 mm	XI					30	18	56.5	23.3	46	LP-007-1-SL013-...
7	Thru-type adaptor (male)	BSPP 1/4"	I				17	11	18.9	41.8	23.3	35	LP-007-1-WR013-...
7	Thru-type adaptor (male)	BSPP 3/8"	I				19	12	21.1	43.8	23.3	45	LP-007-1-WR017-...
7	Thru-type adaptor (male)	BSPP 1/2"	I				24	15	26.7	48.3	23.3	70	LP-007-1-WR021-...
7	Thru-type adaptor (male)	BSPP 1/4"	II				17	13	18.9	40.5	23.3	37	LP-007-1-WR513-...
7	Thru-type adaptor (male)	BSPP 3/8"	II				22	14	24	41.5	23.3	55	LP-007-1-WR517-...
7	Thru-type adaptor (male)	BSPP 1/2"	II				27	17	30	44.5	23.3	75	LP-007-1-WR521-...
7	Self-sealing adaptor (male)	M 16 x 1.5	V			8	24	11	30	65	23.3	150	LP-007-2-D0816-...
7	Self-sealing adaptor (male)	M 16 x 1.5	VI			8	24	33.5	30	87.5	23.3	160	LP-007-2-DV010-...
7	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	24	11	30	65	23.3	140	LP-007-2-L1016-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	24	11	30	65	23.3	140	LP-007-2-L1218-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	24	12	30	66	23.3	150	LP-007-2-S1018-...
7	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	24	12	30	66	23.3	150	LP-007-2-S1220-...
7	Self-sealing adaptor (male)	9 mm	XI			6	24	30	30	84	23.3	150	LP-007-2-SL009-...
7	Self-sealing adaptor (male)	11 mm	XI				24	30	30	84	23.3	150	LP-007-2-SL011-...
7	Self-sealing adaptor (male)	13 mm	XI				24	30	30	84	23.3	160	LP-007-2-SL013-...

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
7	Self-sealing adaptor (male)	BSPP 3/8"	VII			7	24	12	30	66	23.3	150	LP-007-2-VR017-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	30	69	23.3	170	LP-007-2-WE017-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	I				24	12	30	66	23.3	150	LP-007-2-WR017-...-
7	Self-sealing adaptor (male)	BSPP 1/2"	I				24	15	30	69	23.3	170	LP-007-2-WR021-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	II				24	14	30	66	23.3	160	LP-007-2-WR517-...-
7	Self-sealing adaptor (male)	BSPP 1/2"	II				27	17	30	69	23.3	180	LP-007-2-WR521-...-
12	Self-sealing coupling (female)	M 18 x 1.5	V			10	32	11	40	78		370	LP-012-0-D1018-...-
12	Self-sealing coupling (female)	M 22 x 1.5	V			12	32	12	40	79		380	LP-012-0-D1222-...-
12	Self-sealing coupling (female)	M 22 x 1.5	VI			12	32	39	40	106		430	LP-012-0-DV015-...-
12	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	32	11	40	78		370	LP-012-0-L1218-...-
12	Self-sealing coupling (female)	M 22 x 1.5	III	L	15	12	32	12	40	79		380	LP-012-0-L1522-...-
12	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	32	14	40	81		390	LP-012-0-S1624-...-
12	Self-sealing coupling (female)	16 mm	XI				32	35	40	102		390	LP-012-0-SL016-...-
12	Self-sealing coupling (female)	19 mm	XI				32	35	40	102		410	LP-012-0-SL019-...-
12	Self-sealing coupling (female)	BSPP 1/2"	VII			12	32	15	40	82		380	LP-012-0-VR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	VII			12	32	17	40	84		400	LP-012-0-VR026-...-
12	Self-sealing coupling (female)	BSPP 1/2"	I				32	15	40	82		380	LP-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	I				32	17	40	84		410	LP-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1"	I				36	20	40	88		470	LP-012-0-WR033-...-
12	Self-sealing coupling (female)	BSPP 1/2"	II				32	17	40	81		420	LP-012-0-WR521-...-

NB - Nominal bore [mm] **A / A1** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing coupling (female)	BSPP 3/4"	II				32	19	40	83		400	LP-012-0-WR526-...
12	Thru-type adaptor (male)	13 mm	XI			8		30	21	61	29.5	70	LP-012-1-SL013-...
12	Thru-type adaptor (male)	16 mm	XI					35	21	66	29.5	75	LP-012-1-SL016-...
12	Thru-type adaptor (male)	19 mm	XI					35	25	68.5	29.5	110	LP-012-1-SL019-...
12	Thru-type adaptor (male)	BSPP 3/8"	I			9	27	12	30	49.5	29.5	90	LP-012-1-WR017-...
12	Thru-type adaptor (male)	BSPP 1/2"	I				27	15	30	54.5	29.5	100	LP-012-1-WR021-...
12	Thru-type adaptor (male)	BSPP 3/4"	I				30	17	33	54.5	29.5	140	LP-012-1-WR026-...
12	Thru-type adaptor (male)	BSPP 1/2"	II				27	17	30	50.5	29.5	100	LP-012-1-WR521-...
12	Thru-type adaptor (male)	BSPP 3/4"	II				32	19	35.5	52.5	29.5	120	LP-012-1-WR526-...
12	Self-sealing adaptor (male)	M 18 x 1.5	V			10	32	11	40	76	29.5	280	LP-012-2-D1018-...
12	Self-sealing adaptor (male)	M 22 x 1.5	V			12	32	12	40	77	29.5	290	LP-012-2-D1222-...
12	Self-sealing adaptor (male)	M 22 x 1.5	VI			12	32	39	40	104	29.5	340	LP-012-2-DV015-...
12	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	32	11	40	76	29.5	280	LP-012-2-L1218-...
12	Self-sealing adaptor (male)	M 22 x 1.5	III	L	15	12	32	12	40	77	29.5	290	LP-012-2-L1522-...
12	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	32	14	40	79	29.5	290	LP-012-2-S1624-...
12	Self-sealing adaptor (male)	16 mm	XI				32	35	40	100	29.5	300	LP-012-2-SL016-...
12	Self-sealing adaptor (male)	19 mm	XI				32	35	40	100	29.5	320	LP-012-2-SL019-...
12	Self-sealing adaptor (male)	BSPP 1/2"	VII			12	32	15	40	80	29.5	290	LP-012-2-VR021-...
12	Self-sealing adaptor (male)	BSPP 3/4"	VII			12	32	17	40	82	29.5	310	LP-012-2-VR026-...
12	Self-sealing adaptor (male)	BSPP 1/2"	I				32	15	40	80	29.5	290	LP-012-2-WR021-...
12	Self-sealing adaptor (male)	BSPP 3/4"	I				32	17	40	82	29.5	320	LP-012-2-WR026-...

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing adaptor (male)	BSPP 1"	I				36	20	40	86	29.5	380	LP-012-2-WR033-...
12	Self-sealing adaptor (male)	BSPP 1/2"	II				32	17	40	79	29.5	330	LP-012-2-WR521-...
12	Self-sealing adaptor (male)	BSPP 3/4"	II				32	19	40	81	29.5	310	LP-012-2-WR526-...
19	Self-sealing coupling (female)	M 26 x 1.5	V			15	46	12	54	95		830	LP-019-0-D1526-...
19	Self-sealing coupling (female)	M 30 x 1.5	V			19	46	14	54	97		830	LP-019-0-D1930-...
19	Self-sealing coupling (female)	M 30 x 1.5	VI			19	46	45	54	128		920	LP-019-0-DV022-...
19	Self-sealing coupling (female)	M 26 x 1.5	III	L	18	16	46	12	54	95		830	LP-019-0-L1826-...
19	Self-sealing coupling (female)	M 30 x 2	III	L	22	20	46	14	54	97		830	LP-019-0-L2230-...
19	Self-sealing coupling (female)	M 30 x 2	III	S	20	16	46	16	54	99		850	LP-019-0-S2030-...
19	Self-sealing coupling (female)	M 36 x 2	III	S	25	20	46	18	54	101		860	LP-019-0-S2536-...
19	Self-sealing coupling (female)	19 mm	XI			13	46	35	54	118		850	LP-019-0-SL019-...
19	Self-sealing coupling (female)	25 mm	XI				46	40	54	123		870	LP-019-0-SL025-...
19	Self-sealing coupling (female)	28 mm	XI				46	45	54	128		930	LP-019-0-SL028-...
19	Self-sealing coupling (female)	BSPP 3/4"	VII			19	46	17	54	100		830	LP-019-0-VR026-...
19	Self-sealing coupling (female)	BSPP 1"	VII			19	46	20	54	103		870	LP-019-0-VR033-...
19	Self-sealing coupling (female)	BSPP 3/4"	I				46	17	54	100		840	LP-019-0-WR026-...
19	Self-sealing coupling (female)	BSPP 1"	I				46	20	54	103		870	LP-019-0-WR033-...
19	Self-sealing coupling (female)	BSPP 3/4"	II				46	19	54	94		890	LP-019-0-WR526-...
19	Self-sealing coupling (female)	BSPP 1"	II				46	23	54	98		880	LP-019-0-WR533-...
19	Thru-type adaptor (male)	19 mm	XI			12		35	32	68.5	32.5	180	LP-019-1-SL019-..

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
19	Thru-type adaptor (male)	25 mm	XI					40	32	73.5	32.5	190	LP-019-1-SL025-..
19	Thru-type adaptor (male)	BSPP 1/2"	I			13	36	15	40	57.5	32.5	210	LP-019-1-WR021-..
19	Thru-type adaptor (male)	BSPP 3/4"	I				36	17	40	59.5	32.5	220	LP-019-1-WR026-..
19	Thru-type adaptor (male)	BSPP 1"	I				36	20	40	62.5	32.5	260	LP-019-1-WR033-..
19	Thru-type adaptor (male)	BSPP 3/4"	II				36	19	40	57.5	32.5	240	LP-019-1-WR526-..
19	Thru-type adaptor (male)	BSPP 1"	II				41	23	45	61.5	32.5	250	LP-019-1-WR533-..
19	Self-sealing adaptor (male)	M 26 x 1.5	V			15	46	12	54	91	32.5	680	LP-019-2-D1526-...-
19	Self-sealing adaptor (male)	M 30 x 1.5	V			19	46	14	54	93	32.5	680	LP-019-2-D1930-...-
19	Self-sealing adaptor (male)	M 30 x 1.5	VI			19	46	45	54	124	32.5	770	LP-019-2-DV022-...-
19	Self-sealing adaptor (male)	M 26 x 1.5	III	L	18	16	46	12	54	91	32.5	680	LP-019-2-L1826-...-
19	Self-sealing adaptor (male)	M 30 x 2	III	L	22	20	46	14	54	93	32.5	670	LP-019-2-L2230-...-
19	Self-sealing adaptor (male)	M 30 x 2	III	S	20	16	46	16	54	95	32.5	690	LP-019-2-S2030-...-
19	Self-sealing adaptor (male)	M 36 x 2	III	S	25	20	46	18	54	97	32.5	710	LP-019-2-S2536-...-
19	Self-sealing adaptor (male)	19 mm	XI			13	46	35	54	114	32.5	700	LP-019-2-SL019-...-
19	Self-sealing adaptor (male)	25 mm	XI				46	40	54	119	32.5	710	LP-019-2-SL025-...-
19	Self-sealing adaptor (male)	28 mm	XI				46	45	54	124	32.5	780	LP-019-2-SL028-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	VII			19	46	17	54	96	32.5	690	LP-019-2-VR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	VII			19	46	20	54	99	32.5	720	LP-019-2-VR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	I				46	17	54	96	32.5	690	LP-019-2-WR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	I				46	20	54	99	32.5	720	LP-019-2-WR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	II				46	19	54	90	32.5	740	LP-019-2-WR526-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

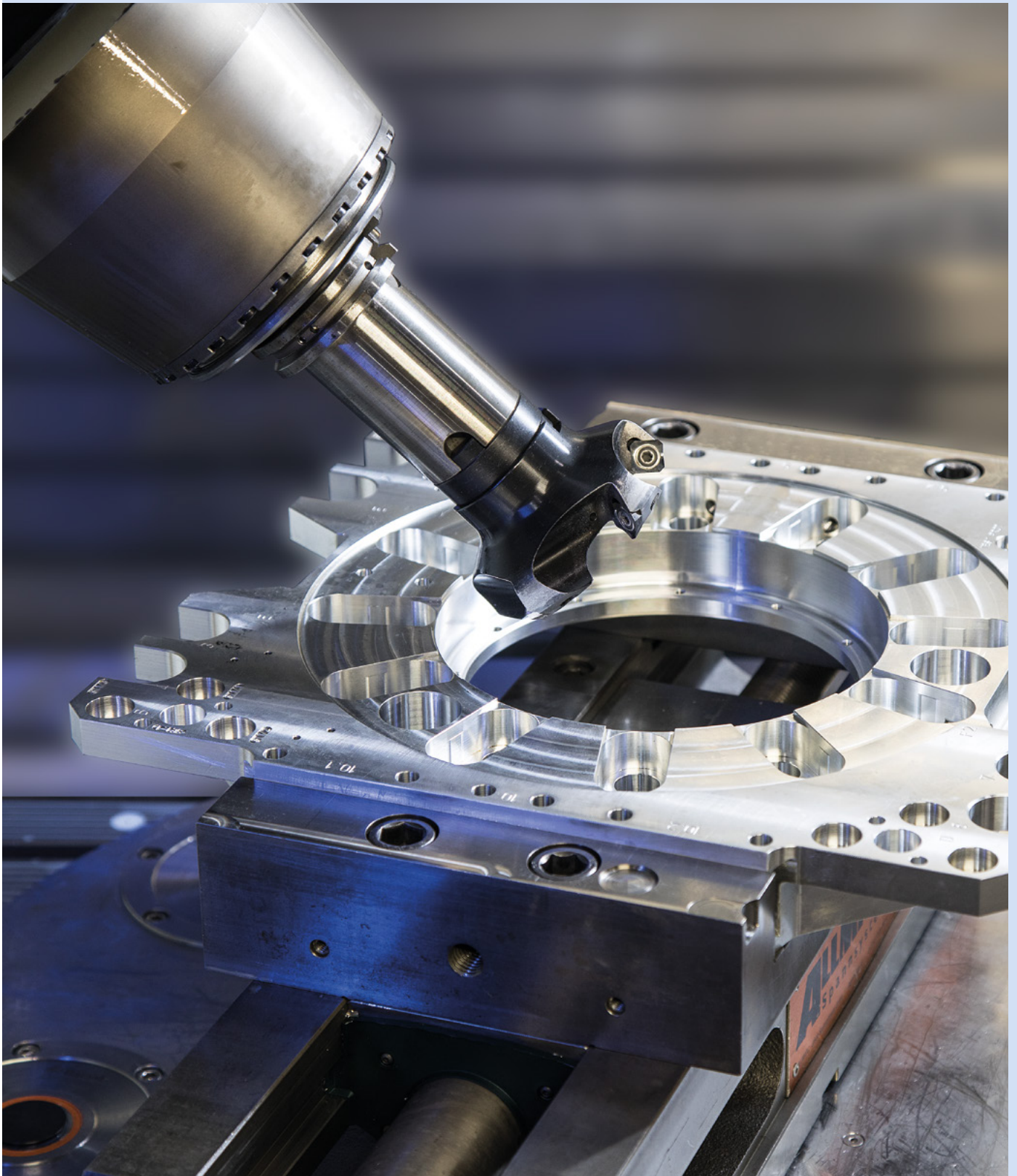
NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
19	Self-sealing adaptor (male)	BSPP 1"	II				46	23	54	94	32.5	730	LP-019-2-WR533-...
32	Self-sealing coupling (female)	M 45 x 1.5	V			32	75	16	82	128		2,720	LP-032-0-D3245-...
32	Self-sealing coupling (female)	M 52 x 2	III	S	38	32	75	22	82	134		2,770	LP-032-0-S3852-...
32	Self-sealing coupling (female)	42 mm	XI				75	61	82	178		3,090	LP-032-0-SL042-...
32	Self-sealing coupling (female)	BSPP 1 1/2"	I				75	22	82	139		2,900	LP-032-0-WR048-...
32	Self-sealing coupling (female)	BSPP 2"	I				75	26	82	143		2,980	LP-032-0-WR060-...
32	Self-sealing coupling (female)	BSPP 1 1/2"	II				75	25	82	126		2,890	LP-032-0-WR548-...
32	Self-sealing coupling (female)	BSPP 2"	II				75	29	82	130		2760	LP-032-0-WR560-...
32	Thru-type adaptor (male)	42 mm	XI					61	54	105	39	620	LP-032-1-SL042-..
32	Thru-type adaptor (male)	BSPP 1 1/2"	I				55	22	60	74.5	39	600	LP-032-1-WR048-..
32	Thru-type adaptor (male)	BSPP 2"	I				65	26	72.5	78.5	39	650	LP-032-1-WR060-..
32	Thru-type adaptor (male)	BSPP 1 1/4"	II				55	25	61.9	71	39	610	LP-032-1-WR542-..
32	Thru-type adaptor (male)	BSPP 1 1/2"	II				60	25	67	71	39	640	LP-032-1-WR548-..
32	Thru-type adaptor (male)	BSPP 2"	II				65	29	72.6	75	39	790	LP-032-1-WR560-..
32	Self-sealing adaptor (male)	M 45 x 1.5	V			32	75	16	82	124.5	39	2,220	LP-032-2-D3245-...
32	Self-sealing adaptor (male)	M 52 x 2	III	S	38	32	75	22	82	130.5	39	2,280	LP-032-2-S3852-...
32	Self-sealing adaptor (male)	42 mm	XI				75	61	82	174.5	39	2,610	LP-032-2-SL042-...
32	Self-sealing adaptor (male)	BSPP 1 1/2"	I				75	22	82	135.5	39	2,460	LP-032-2-WR048-...
32	Self-sealing adaptor (male)	BSPP 1"	I				75	26	82	139.5	39	2,500	LP-032-2-WR060-...
32	Self-sealing adaptor (male)	BSPP 1 1/2"	II				75	25	82	122.5	39	2,390	LP-032-2-WR548-...

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A / A1	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
32	Self-sealing adaptor (male)	BSPP 2"	II				75	29	82	126.5	39	2,260	LP-032-2-WR560-...-
32	Thru-type coupling (female)	42 mm	XI				70	61	82	143		2,260	LP-032-4-SL042-...-
32	Thru-type coupling (female)	BSPP 1 1/2"	I				70	22	82	109		2,230	LP-032-4-WR048-...-
32	Thru-type coupling (female)	BSPP 2"	I				70	26	82	113		2,490	LP-032-4-WR060-...-
32	Thru-type coupling (female)	BSPP 1 1/4"	II				70	25	82	89		2,000	LP-032-4-WR542-...-
32	Thru-type coupling (female)	BSPP 1 1/2"	II				70	25	82	89		1,930	LP-032-4-WR548-...-
32	Thru-type coupling (female)	BSPP 2"	II				70	29	82	89		1,690	LP-032-4-WR560-...-
50	Self-sealing coupling (female)	BSPP 2"	I			40	100	26	112	162		5,550	LP-050-0-WR060-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	I				100	30	112	164		5,560	LP-050-0-WR075-...-
50	Self-sealing coupling (female)	BSPP 2"	II				100	29	112	158		6,150	LP-050-0-WR560-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	II				100	33	122	167		5,940	LP-050-0-WR575-...-
50	Thru-type adaptor (male)	65 mm	XI					75	90	131	46	2,050	LP-050-1-SL065-...-
50	Thru-type adaptor (male)	BSPP 2"	I			45	85	26	92	88	46	1,590	LP-050-1-WR060-...-
50	Thru-type adaptor (male)	BSPP 2"	II				85	29	92	82	46	1,850	LP-050-1-WR560-...-
50	Self-sealing adaptor (male)	BSPP 2"	I				100	26	112	158	46	5,010	LP-050-2-WR060-...-
50	Self-sealing adaptor (male)	BSPP 2 1/2"	I				100	30	112	160	46	5,020	LP-050-2-WR075-...-
50	Self-sealing adaptor (male)	BSPP 2"	II			40	100	29	112	154	46	5,610	LP-050-2-WR560-...-
50	Self-sealing adaptor (male)	BSPP 2 1/2"	II				100	33	112	163	46	5,400	LP-050-2-WR575-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Series LS

Technical information

Nominal bore [mm]	Cv value		Q [m ³ /h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		Related Thru-type adaptor (male)	p max. permissible static [bar / psi]
	EA	BA	EA	BA		
					coupled with	WEDISO coupled
6	1.71		86.54		LP-006-1 	12 / 174
6	1.90		96.15		LS-E06-1	12 / 174
9	4.32		218.62		SP-009-1	12 / 174
11	5.14		260.12		LS-E11-1	12 / 174
12	7.80		394.73		LP-012-1	16 / 232
23	25.80		1,305.66		LP-019-1 	16 / 232
23	33.60		1,700.39		LS-023-1	16 / 232
38	107.00		5,414.93		LS-038-1	16 / 232

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

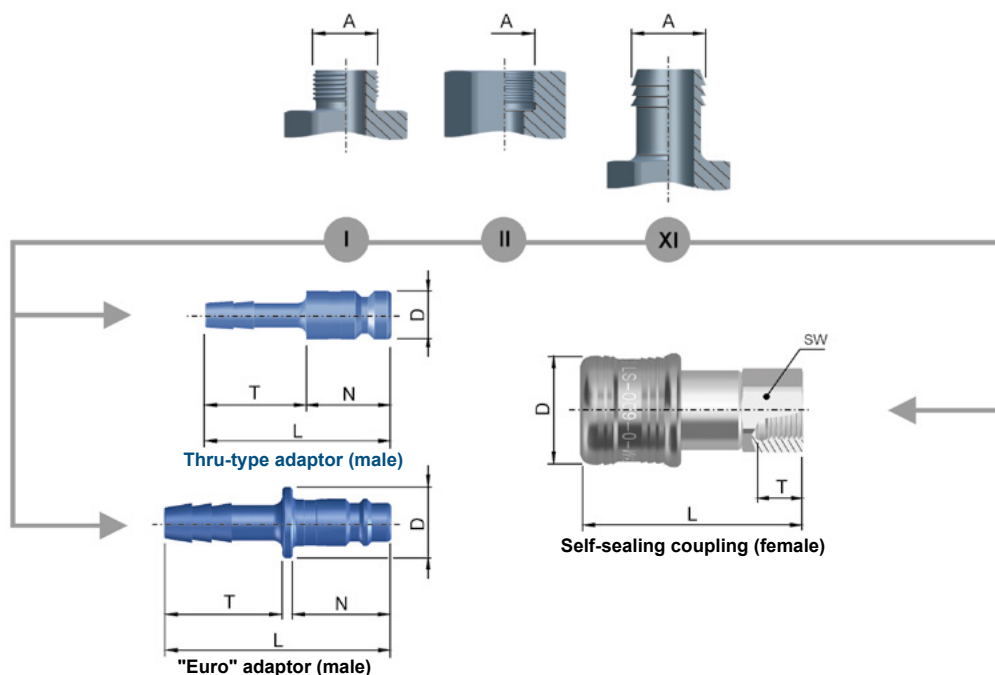
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series LS

Product design features

Intended use: Compressed air safety quick coupling system for a wide range of applications, for the transmission of compressed air in an industrial / commercial environment.

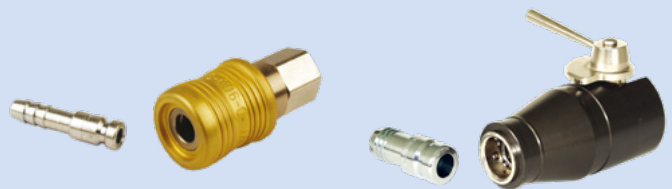
Properties	WEDISO	Additional options
- Automatic locking (One-hand operation) - Safety unlocking (depending on residual pressure) LS-006 - Can be coupled to adaptor profile LP-006-1 and Euro adaptor LS-009 - Can be coupled to adaptor profile SP-009-1 LS-E11 - Can be coupled to Euro adaptor XL From NW 12 two-stage lever locking: coupling process and valve opening separate. LS-012 - Dimensions with lever: Height: 83 mm / Width: 98 mm LS-023 - Dimensions with lever: Height: 107 mm / Width: 135 mm LS-038 - Dimensions with lever: Height: 150 mm / Width: 170 mm	LS-006 / 009 coupling housing: Chemically nickel-plated steel Locking sleeve: Passivated brass Connecting pieces: Galvanised steel Seal: NBR LS-012 / 023 / 038 Coupling housing: Nickel-plated brass Connecting link disc: Nickel-plated brass Locking sleeve: Hard-coated aluminium Seal: NBR Optional Other materials on request	FL = free from paint wetting impairment substances (Not for LS-038!)

Fully meets the safety requirements in accordance with DIN EN ISO 4414 „Pneumatic fluid power: - General rules and safety requirements for systems and their components“. This safety is achieved by a pressure-dependent two-step disconnection (avoiding the whip effect).

Order number configuration

LS-006-0-SL009-WEDISO-Additional options-Y./-Z..

Product chart



NB	Product type	A	De-sign	Pipe ID	SW	T	D	L	N	Weight WEDISO	Material-neutral part number
6	Self-sealing coupling (female)	9 mm	XI		24	30	37	91.5		265	LS-006-0-SL009-.....Z01
6	Self-sealing coupling (female)	11 mm	XI		24	30	37	91.5		265	LS-006-0-SL011-.....Z01

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Series LS

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight WEDISO	Material-neutral part number
6	Self-sealing coupling (female)	13 mm	XI		24	30	37	91.5		275	LS-006-0-SL013-....-Z01
6	Self-sealing coupling (female)	BSPP 1/4"	I		24	11	37	72.5		255	LS-006-0-WR013-....-Z01
6	Self-sealing coupling (female)	BSPP 3/8"	I		24	12	37	73.5		265	LS-006-0-WR017-....-Z01
6	Self-sealing coupling (female)	BSPP 1/2"	I		24	15	37	76.5		275	LS-006-0-WR021-....-Z01
6	Self-sealing coupling (female)	BSPP 1/4"	II		24	13	37	74.5		275	LS-006-0-WR513-....-Z01
6	Self-sealing coupling (female)	BSPP 3/8"	II		24	14	37	75.5		275	LS-006-0-WR517-....-Z01
6	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	37	78.5		295	LS-006-0-WR521-....-Z01
6	Thru-type adaptor (male)	9 mm	XI			23	12	46.1	20	16	LS-E06-1-SL009-..
6	Thru-type adaptor (male)	11 mm	XI			25.1	12	48.2	20	18	LS-E06-1-SL011-..
6	Thru-type adaptor (male)	13 mm	XI			25	15	48.3	20	20	LS-E06-1-SL013-..
6	Thru-type adaptor (male)	BSPP 1/4"	I		14	11.5	16.2	37.1	20	21	LS-E06-1-WR013-..
6	Thru-type adaptor (male)	BSPP 3/8"	I		19	8.6	21.1	34	20	27.5	LS-E06-1-WR017-..
6	Thru-type adaptor (male)	BSPP 1/4"	II		17	7.5	19.5	33	20	25.5	LS-E06-1-WR513-..
9	Self-sealing coupling (female)	13 mm	XI		25	30	40.6	94.4		298	LS-009-0-SL013-....
9	Self-sealing coupling (female)	BSPP 1/2"	I		25	15	40.6	82.6		300	LS-009-0-WR021-....
9	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	40.6	79.6		315	LS-009-0-WR521-....
9	Self-sealing coupling (female)	BSPP 3/4"	II		32	19	40.6	81.6		334	LS-009-0-WR526-....
11	Self-sealing coupling (female)	13 mm	XI	9	25	30	40.6	93		293	LS-E11-0-SL013-....
11	Self-sealing coupling (female)	BSPP 1/2"	I		25	15	40.6	81		290	LS-E11-0-WR021-....
11	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	40.6	78		305	LS-E11-0-WR521-....

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series LS

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight WEDISO	Material-neutral part number
11	Self-sealing coupling (female)	BSPP 3/4"	II		32	19	40.6	80		324	LS-E11-0-WR526-....
11	Thru-type adaptor (male)	13 mm	XI	10		25	15	48	21.4	29	LS-E11-1-SL013-..
11	Thru-type adaptor (male)	BSPP 3/8"	I	9,8	25	12	27.8	43.4	21.4	32	LS-E11-1-WR017-..
11	Thru-type adaptor (male)	BSPP 1/2"	I		25	15	27.8	46.4	21.4	53.5	LS-E11-1-WR021-..
11	Thru-type adaptor (male)	BSPP 1/2"	II		27	17	30	43.4	21.4	42	LS-E11-1-WR521-..
12	Self-sealing coupling (female)	BSPP 1/2"	II		25	17.5	58	134		1,011	LS-012-0-WR521-...-Z01
23	Self-sealing coupling (female)	BSPP 1"	II		40	21	75.8	170.4		2,695	LS-023-0-WR533-...-Z02
23	Thru-type adaptor (male)	25 mm	XI	19		40	48	81	36	230	LS-023-1-SL025-..
23	Thru-type adaptor (male)	BSPP 1"	I		36	20	40	66	36	219	LS-023-1-WR033-..
38	Self-sealing coupling (female)	BSPP 1 1/2"	II		55	43.25	105	218		11,438	LS-038-0-WR548-...-Z03
38	Thru-type adaptor (male)	53 mm	XI			70	63	129	53.9	1,040	LS-038-1-SL053-..
38	Thru-type adaptor (male)	BSPP 1 1/2"	I		55	22	61.3	93.9	53.9	641	LS-038-1-WR048-..

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series LT

Technical information

Nominal bore [mm]	Cv value		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		Related Thru-type adaptor (male)	p max. permissible static [bar / psi]
	EA	BA	EA	BA		
					coupled with 	WEDISO coupled
6	1.71		86.54		LP-006-1	12 / 174
6	1.90		96.15		LS-E06-1 (Euro adaptor)	12 / 174
9	4.32		218.62		SP-009-1	12 / 174
11	5.14		260.12		LS-E11-1 (Euro adaptor)	12 / 174

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

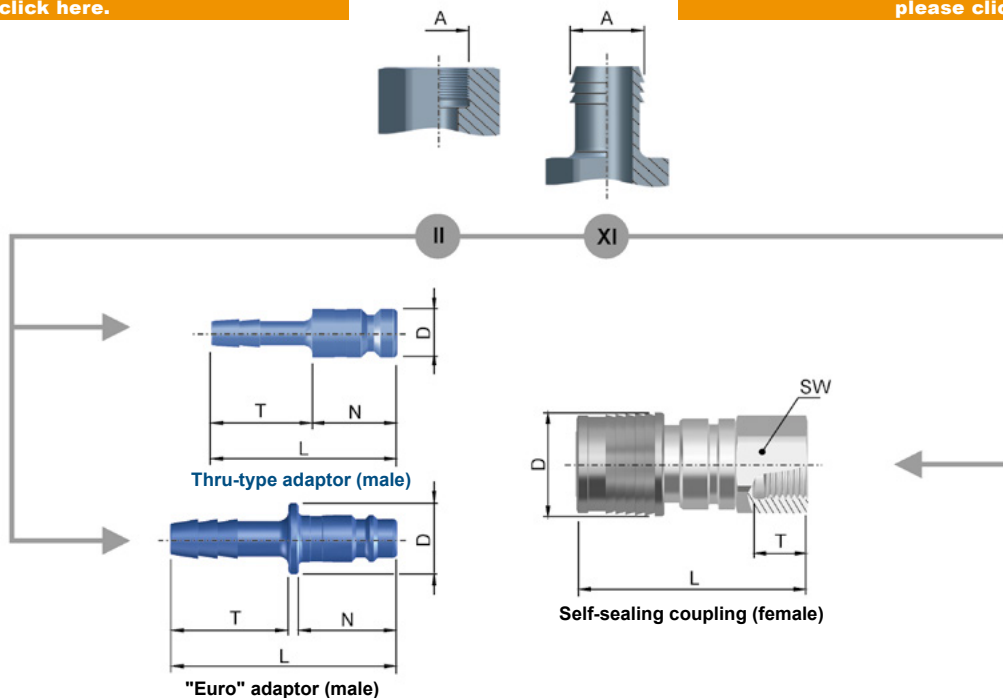
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series LT

Product design features

Intended use: Compressed air quick coupling system for a wide range of applications, for the transmission of compressed air in an industrial / commercial environment, preferably for direct connection of pneumatic tools.

Properties	WEDISO	Additional options
- Compact design - Extremely low weight LT-006 - Can be coupled to adaptor profile LP-006-1 and Euro adaptor LT-009 - Can be coupled with adaptor profile SP-009-1 LT-E11 - Can be coupled with Euro adaptor XL	Coupling housing Hard-coated aluminum Locking sleeve Plastic Locking pieces AAAA: Hard-coated aluminum, anodized and plastic Connection pieces AAAF: Hard-coated aluminum Gaskets NBR Optional Coupling housing made of anodized aluminum Other materials on request	FL = free from paint wetting impairment substances

Order number configuration

LT-006-0-WR513-WEDISO-Additional options-Y../-Z..

Product chart



NB	Product type	A	De-sign	Pipe ID	SW	T	D	L	N	Weight WEDISO	Material-neutral part number
6	Self-sealing coupling (female)	BSPP 1/4"	II		22	11	28	61		62	LT-006-0-WR513-....-Z07
6	Self-sealing coupling (female)	BSPP 3/8"	II		22	11	28	62		64	LT-006-0-WR517-....-Z07
6	Self-sealing coupling (female)	9 mm	XI		22	13	28	78		50	LT-006-0-XX009-....-Z07
6	Self-sealing coupling (female)	11 mm	XI		22	13	28	78		51	LT-006-0-XX011-....-Z07

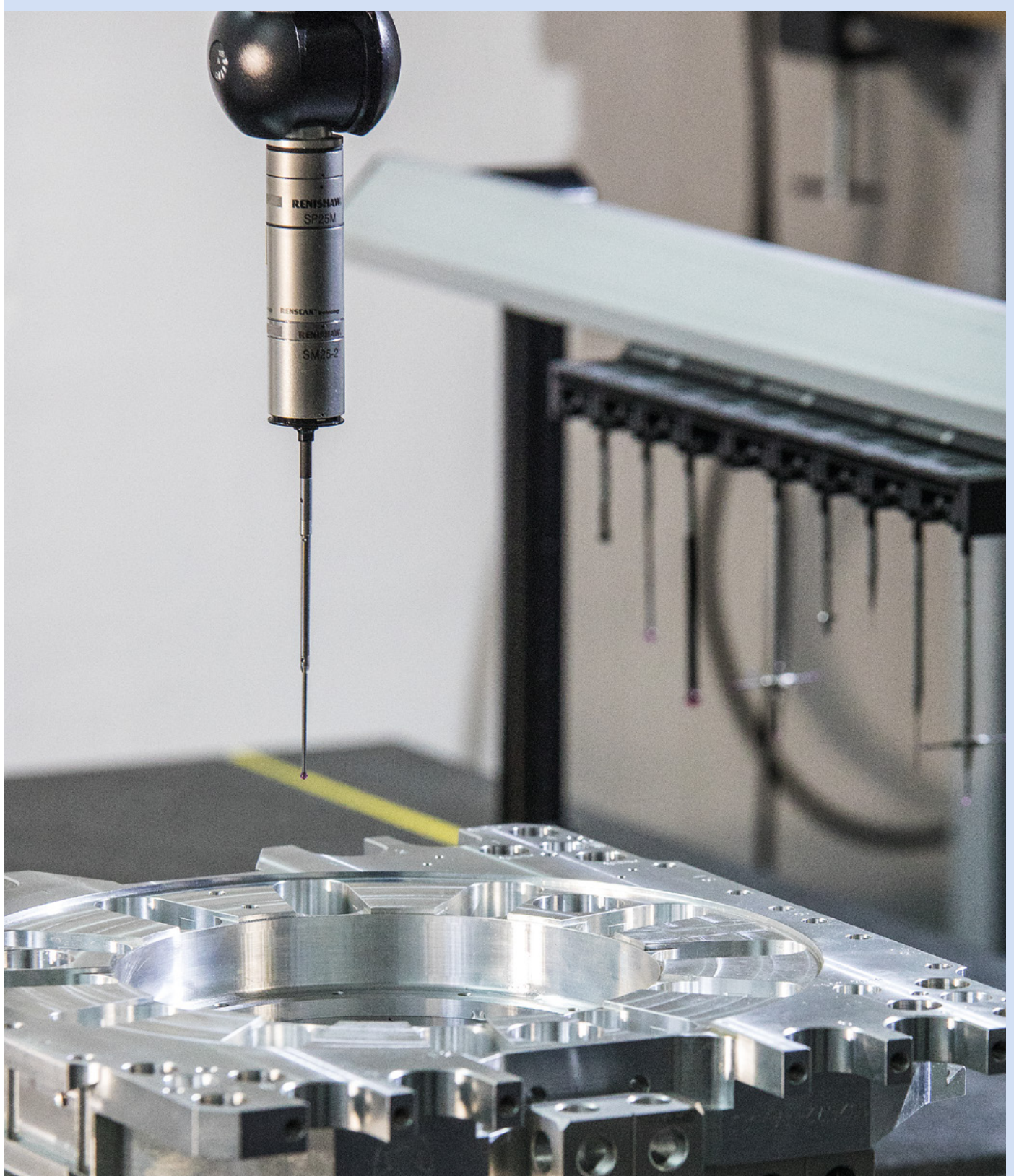
NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Series LT

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight WEDISO	Material-neutral part number
9	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	30	71		90	LT-009-0-WR521-....
9	Self-sealing coupling (female)	BSPP 3/4"	II		32	19	30	73		95	LT-009-0-WR526-....
9	Self-sealing coupling (female)	11 mm	XI	8	25	30	30	86		65	LT-009-0-XX011-....
9	Self-sealing coupling (female)	13 mm	XI		25	30	30	86		69	LT-009-0-XX013-....
11	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	30	77.5		95	LT-E11-0-WR521-....
11	Self-sealing coupling (female)	BSPP 3/4"	II		32	19	30	79.5		100	LT-E11-0-WR526-....
11	Self-sealing coupling (female)	11 mm	XI	8	25	30	30	92.5		71	LT-E11-0-XX011-....
11	Self-sealing coupling (female)	13 mm	XI		25	30	30	92.5		75	LT-E11-0-XX013-....

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Series LV

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]	
	EA	BA	EA	BA	EA	BA	Brass	Stainless steel
							coupled	coupled
4		0.30		4.28		15.18	60 / 870	100 / 1,450
9		2.02		28.85		102.23	40 / 580	

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

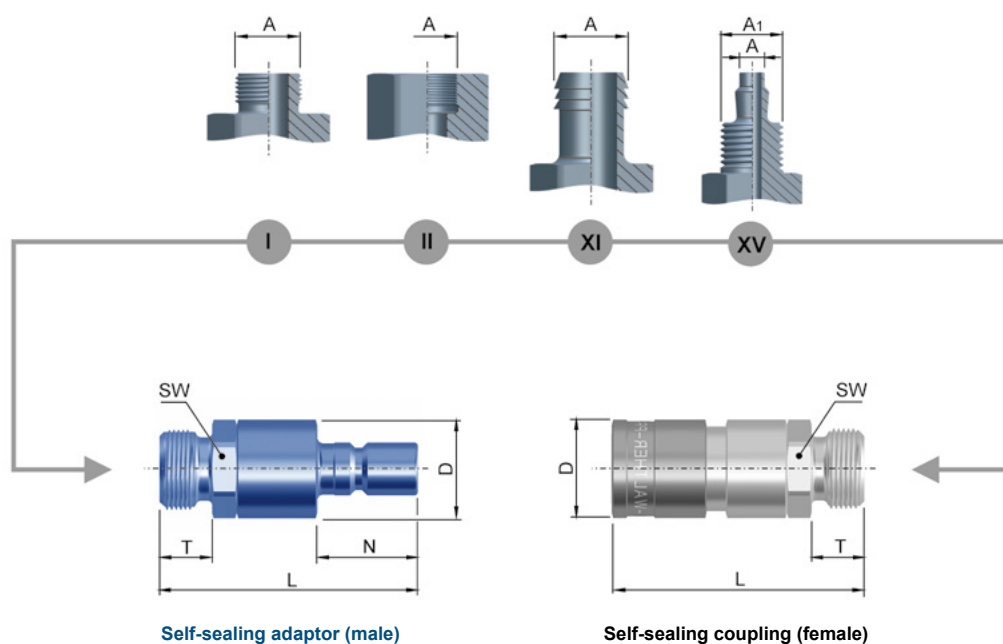
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.



Series LV

Product design features

Intended use: Non-Squirting low pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
- Non-Squirting - Elongated version (compared to LP)	21 = Brass passivated LV-004 01 = Stainless steel 1.4404/1.4571 or similar	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances GL = Smooth design GX = Smooth design with key flat-locking piece

Suitable protection elements can be found in this catalogue from p. 180.

Attention: Self-sealing coupling + OV ≙ Product type Thru-type coupling; Self-sealing adaptor + OV ≙ Product type Thru-type adaptor

Order number configuration

LV-004-0-SL004-Material-Seal-Additional options-Y./-Z..

Product chart



NB	Product type	A / A1	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
4	Self-sealing coupling (female)	4 mm	XI	3	14	18	18	58.5		55	LV-004-0-SL004-...-
4	Self-sealing coupling (female)	6 mm	XI		14	25	18	65.5		55	LV-004-0-SL006-...-
4	Self-sealing coupling (female)	OD 6 ID 4 mm M 10 x 1	XV	3	14	16	18	56.5		65	LV-004-0-SW004-...-
4	Self-sealing coupling (female)	BSPP 1/8"	I		14	8	18	50.5		55	LV-004-0-WR010-...-
4	Self-sealing coupling (female)	BSPP 1/4"	I		14	11	18	51.5		60	LV-004-0-WR013-...-

NB - Nominal bore [mm] **A / A1** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Series LV

Product chart

NB	Product type	A / A1	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
4	Self-sealing coupling (female)	BSPP 1/8"	II		14	9	18	50.5		60	LV-004-0-WR510-...-
4	Self-sealing adaptor (male)	4 mm	XI	3	14	18	18	58	21	35	LV-004-2-SL004-...-
4	Self-sealing adaptor (male)	6 mm	XI		14	25	18	65	21	38	LV-004-2-SL006-...-
4	Self-sealing adaptor (male)	OD 6 ID 4 mm M 10 x 1	XV	3	14	16	18	56	21	46	LV-004-2-SW004-...-
4	Self-sealing adaptor (male)	BSPP 1/8"	I		14	8	18	50	21	38	LV-004-2-WR010-...-
4	Self-sealing adaptor (male)	BSPP 1/4"	I		14	11	18	51	21	43	LV-004-2-WR013-...-
4	Self-sealing adaptor (male)	BSPP 1/8"	II		14	9	18	50	21	42	LV-004-2-WR510-...-
9	Self-sealing coupling (female)	13 mm	XI		25	30	28	87		199	LV-009-0-SL013-...-
9	Self-sealing coupling (female)	BSPP 3/8"	I		25	12	28	72		203	LV-009-0-WR017-...-
9	Self-sealing coupling (female)	BSPP 1/2"	I		25	15	28	72		202	LV-009-0-WR021-...-
9	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	28	72		215	LV-009-0-WR521-...-
9	Self-sealing adaptor (male)	13 mm	XI		25	30	28	88.4	28.5	152	LV-009-2-SL013-...-
9	Self-sealing adaptor (male)	BSPP 3/8"	I		25	12	28	73.4	28.5	156	LV-009-2-WR017-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	I		25	15	28	73.4	28.5	155	LV-009-2-WR021-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	II		27	17	28	73.4	28.5	168	LV-009-2-WR521-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Series SP

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]		
	EA	BA	EA	BA	EA	BA	Steel	Brass	Stainless steel
							coupled	coupled	coupled
6	1.10	0.77	15.71	11.00	55.67	38.97	120 / 1,740	60 / 870	100 / 1,450
9	2.41	2.10	34.42	29.99	121.96	106.27	100 / 1,450	40 / 580	80 / 1,160

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

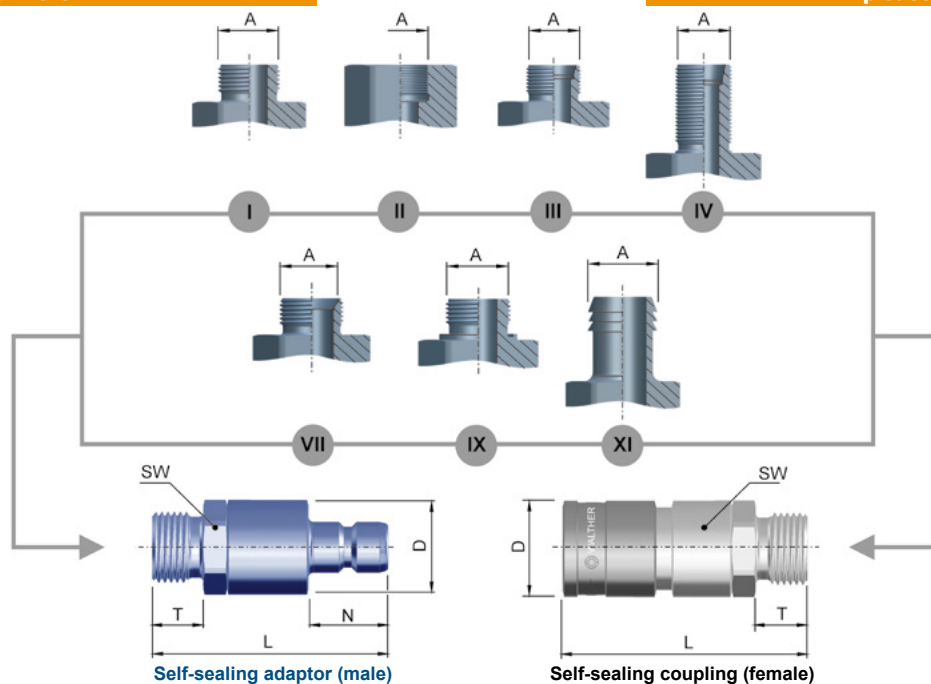
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series SP

Product design features

Intended use: Slimline low pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
- Reduced outer diameter (compared to LP)	01 = Stainless steel 1.4404/1.4571 or similar 11 = Steel zinc plated 21 = Brass passivated 22 = Brass chrome plated Optional 13 = Steel chemically nickel plated 24 = Brass chemically nickel plated	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production FD = FDA-compliant FF = Oil- and grease-free GL = Smooth design GX = Smooth design with width flat end connection OV* = Without valve

*SP-006-0-...-OV not connectable with SP-006-2-... Suitable protection elements can be found in this catalogue from p. 180.

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

SP-006-0-D0614-Material-Seal-Additional options-Y../Z..

Product chart



NB	Product type	A	De-sign	Ran-ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	19	10	22	57		85	SP-006-0-L0612-...-
6	Self-sealing coupling (female)	M 14 x 1.5	III	L	8	6	19	10	22	57		85	SP-006-0-L0814-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	19	11	22	58		90	SP-006-0-L1016-...-
6	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	22	58		90	SP-006-0-L1218-...-
6	Self-sealing coupling (female)	M 14 x 1.5	IV	L	8	6	19	32	22	79		100	SP-006-0-LV008-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	S	8	4	19	12	22	59		90	SP-006-0-S0816-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series SP

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	19	12	22	59		95	SP-006-0-S1018-...
6	Self-sealing coupling (female)	6 mm	XI			4	19	25	22	72		85	SP-006-0-SL006-...
6	Self-sealing coupling (female)	9 mm	XI				19	30	22	77		90	SP-006-0-SL009-...
6	Self-sealing coupling (female)	11 mm	XI				19	30	22	77		95	SP-006-0-SL011-...
6	Self-sealing coupling (female)	13 mm	XI				19	30	22	77		110	SP-006-0-SL013-...
6	Self-sealing coupling (female)	BSPP 3/8"	VII			6	19	12	22	59		95	SP-006-0-VR017-...
6	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	22	64		130	SP-006-0-WE017-...
6	Self-sealing coupling (female)	BSPP 1/4"	I				19	11	22	58		90	SP-006-0-WR013-...
6	Self-sealing coupling (female)	BSPP 3/8"	I				19	12	22	59		95	SP-006-0-WR017-...
6	Self-sealing coupling (female)	BSPP 1/2"	I				22	15	22	62		120	SP-006-0-WR021-...
6	Self-sealing coupling (female)	BSPP 1/4"	II				19	13	22	57		95	SP-006-0-WR513-...
6	Self-sealing coupling (female)	BSPP 3/8"	II				22	14	22	58		100	SP-006-0-WR517-...
6	Self-sealing coupling (female)	M 16 x 1.5	IV	L	10	8	19	32	22	79		110	SP-006-0-XX211-...
6	Thru-type adaptor (male)	6 mm	XI			4			11	46	20	13	SP-006-1-SL006-..
6	Thru-type adaptor (male)	9 mm	XI						11	51	20	18	SP-006-1-SL009-..
6	Thru-type adaptor (male)	BSPP 1/8"	I			4	14	8	15.5	34	20	20	SP-006-1-WR010-..
6	Thru-type adaptor (male)	BSPP 1/4"	I				14	11	15.5	37	20	23	SP-006-1-WR013-..
6	Thru-type adaptor (male)	BSPP 3/8"	I				19	12	21.9	38	20	37	SP-006-1-WR017-..
6	Thru-type adaptor (male)	BSPP 1/4"	II				17	13	19.6	36	20	26	SP-006-1-WR513-..
6	Thru-type adaptor (male)	BSPP 3/8"	II				22	14	24	37	20	40	SP-006-1-WR517-..
6	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	22	55	20	70	SP-006-2-L0612-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series SP

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing adaptor (male)	M 14 x 1.5	III	L	8	6	19	10	22	55	20	70	SP-006-2-L0814-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	19	11	22	56	20	70	SP-006-2-L1016-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	22	56	20	70	SP-006-2-L1218-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	22	77	20	85	SP-006-2-LV008-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	S	8	4	19	12	22	57	20	75	SP-006-2-S0816-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	22	57	20	75	SP-006-2-S1018-...-
6	Self-sealing adaptor (male)	6 mm	XI			4	19	25	22	70	20	70	SP-006-2-SL006-...-
6	Self-sealing adaptor (male)	9 mm	XI				19	30	22	75	20	70	SP-006-2-SL009-...-
6	Self-sealing adaptor (male)	11 mm	XI				19	30	22	75	20	80	SP-006-2-SL011-...-
6	Self-sealing adaptor (male)	13 mm	XI				19	30	22	75	20	90	SP-006-2-SL013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	VII			6	19	12	22	57	20	75	SP-006-2-VR017-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	22	62	20	110	SP-006-2-WE017-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I				19	11	22	56	20	70	SP-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I				19	12	22	57	20	75	SP-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	22	60	20	100	SP-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	22	55	20	75	SP-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	22	56	20	80	SP-006-2-WR517-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	22	77	20	95	SP-006-2-XX211-...-
9	Self-sealing coupling (female)	13 mm	XI				25	30	28	86		180	SP-009-0-SL013-...-
9	Self-sealing coupling (female)	BSPP 3/8"	I				25	12	28	71		180	SP-009-0-WR017-...-

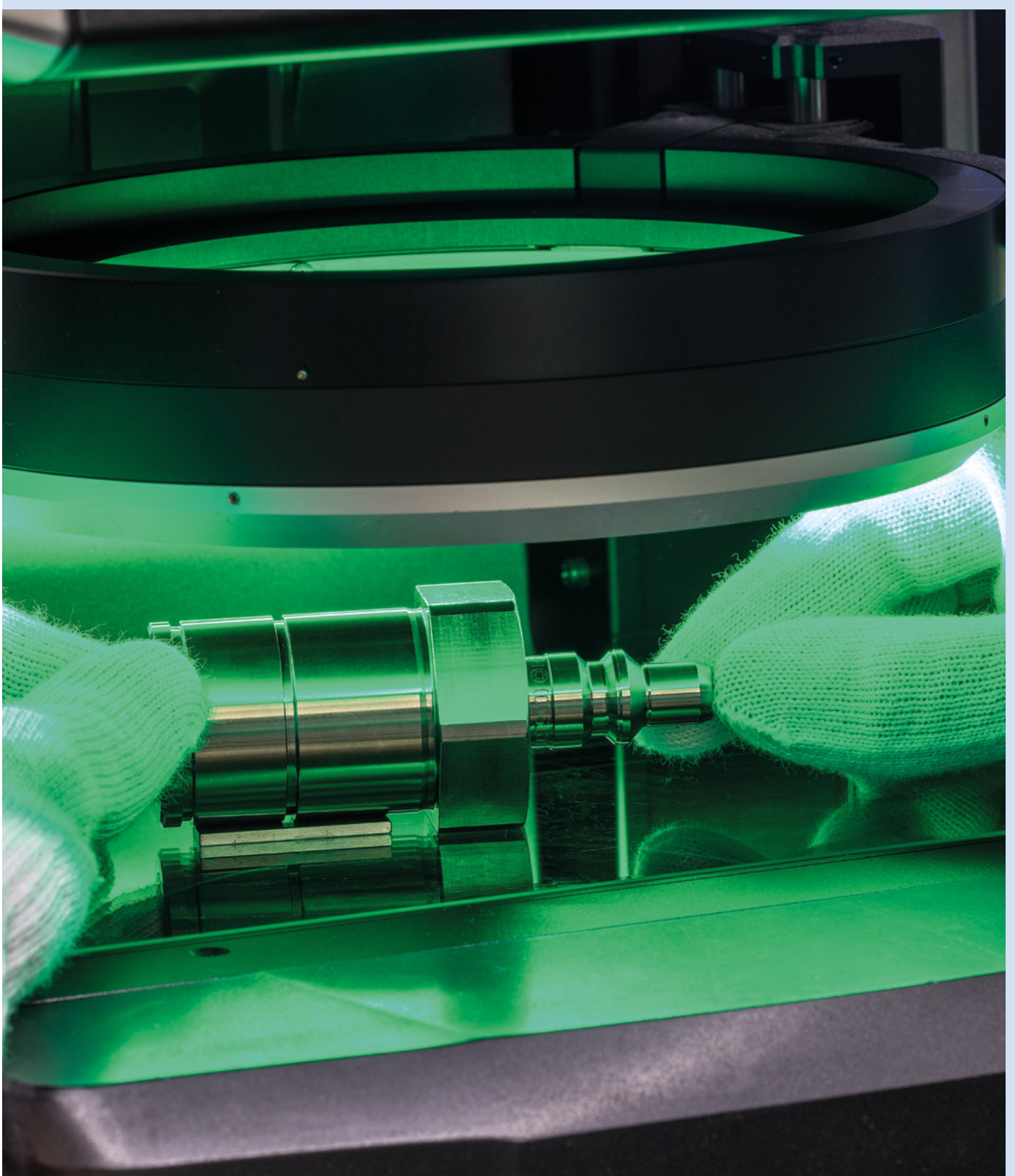
NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series SP

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
9	Self-sealing coupling (female)	BSPP 1/2"	I				25	15	28	71		190	SP-009-0-WR021-...
9	Self-sealing coupling (female)	BSPP 1/2"	II				27	17	28	71		200	SP-009-0-WR521-...
9	Thru-type adaptor (male)	13 mm	XI					30	15	55	23.5	37	SP-009-1-SL013-..
9	Thru-type adaptor (male)	BSPP 3/8"	I				19	12	21.9	41.5	23.5	40	SP-009-1-WR017-..
9	Thru-type adaptor (male)	BSPP 1/2"	I				22	15	24	46.5	23.5	60	SP-009-1-WR021-..
9	Thru-type adaptor (male)	BSPP 1/2"	II				27	17	30	45	23.5	75	SP-009-1-WR521-..
9	Self-sealing adaptor (male)	13 mm	XI				25	30	28	84.5	23.5	130	SP-009-2-SL013-... -Z02
9	Self-sealing adaptor (male)	BSPP 3/8"	I				25	12	28	69.5	23.5	120	SP-009-2-WR017-...-Z02
9	Self-sealing adaptor (male)	BSPP 1/2"	I				25	15	28	69.5	23.5	130	SP-009-2-WR021-...-Z02
9	Self-sealing adaptor (male)	BSPP 1/2"	II				27	17	28	69.5	23.5	140	SP-009-2-WR521-...-Z02

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]



Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]	
	EA	BA	EA	BA	EA	BA	Brass	Stainless steel
							coupled	coupled
6	1.10	0.77	15.71	11.00	55.67	38.97	40 / 580	40 / 580
7	1.40	1.07	19.99	15.28	70.85	54.15	40 / 580	40 / 580
12	4.34	3.25	61.98	46.41	219.63	164.47	30 / 435	30 / 435
19	11.20	8.20	159.95	117.10	566.80	414.98	30 / 435	30 / 435
32	29.40	23.80	419.86	339.89	1,487.84	1,204.44	30 / 435	30 / 435

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

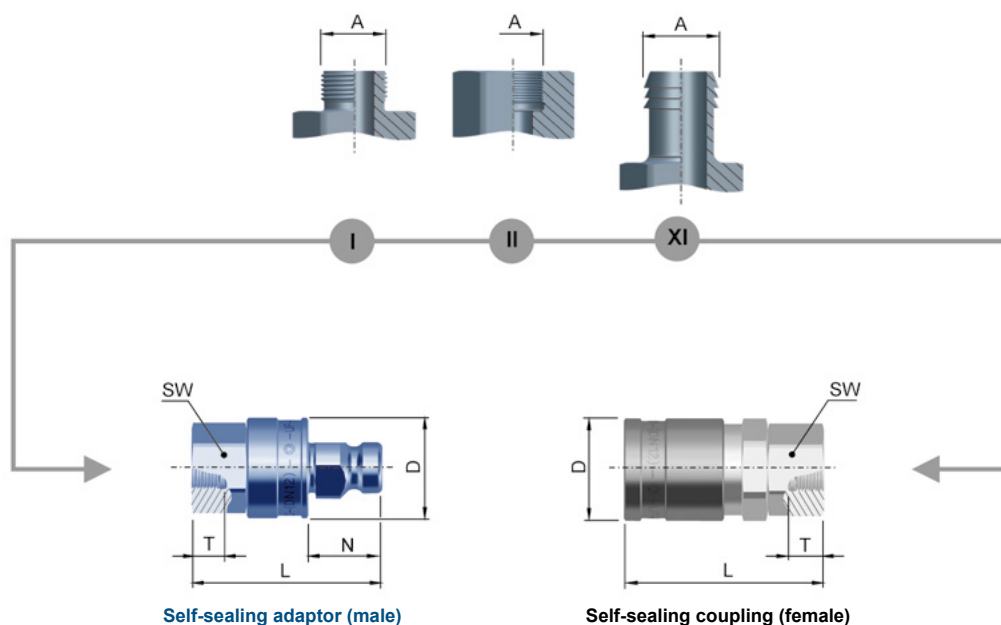
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.





Product design features

Intended use: Non-interchangeable low pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
Non-interchangeable versions (mechanical coding)	01 = Stainless steel 1.4404/1.4571 or similar 21 = Brass passivated 22 = Brass chrome plated Optional 24 = Brass chemically nickel plated	1 = NBR 2 = FKM 4 = EPDM Optional FFKM to nb 12	DR = With triangular fitting FD = FDA-konform FF = Oil- and grease-free GG = With ring grips Ø 190 (aluminium cast) OV = Without valve TA = in line with TA-Luft SI = Additional axial safety locking device VI = With square fitting More on request (see pages 19-20)

UF-006: SI – Outside diameter 29 mm

UF-007: SI – Outside diameter 34 mm

Special closures on request.

UF-012: SI – Outside diameter 44 mm

UF-019: SI – Outside diameter 62 mm

UF-032: SI – Outside diameter 89 mm

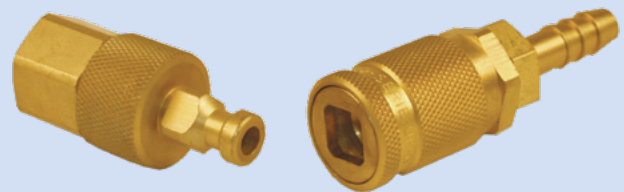
Note: The additional feature DR or VI is an integral component of the part number and must be specified!

Attention: GG and SI cannot be combined = Special version - please enquire

Self-sealing coupling + OV: Product type $\triangleq$ Thru-type coupling; Self-sealing adaptor + OV: Product type $\triangleq$ Thru-type adaptor

Order number configuration

UF-006-0-SL006-Werkstoff-Dichtung-DR/VI-Zusatzausstattung-Y../-Z..



Product chart

NB	Product type	A	De-sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
6	Self-sealing coupling (female)	6 mm	XI	4	19	25	25	72		120	UF-006-0-SL006-...-
6	Self-sealing coupling (female)	9 mm	XI		19	30	25	77		120	UF-006-0-SL009-...-
6	Self-sealing coupling (female)	11 mm	XI		19	30	25	77		130	UF-006-0-SL011-...-
6	Self-sealing coupling (female)	13 mm	XI		19	30	25	77		140	UF-006-0-SL013-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
6	Self-sealing coupling (female)	BSPP 1/4"	I		19	11	25	58		120	UF-006-0-WR013-...
6	Self-sealing coupling (female)	BSPP 3/8"	I		19	12	25	59		130	UF-006-0-WR017-...
6	Self-sealing coupling (female)	BSPP 1/2"	I		22	15	25	62		150	UF-006-0-WR021-...
6	Self-sealing coupling (female)	BSPP 1/4"	II		19	13	25	57		120	UF-006-0-WR513-...
6	Self-sealing coupling (female)	BSPP 3/8"	II		22	14	25	58		130	UF-006-0-WR517-...
6	Thru-type adaptor (male)	6 mm	XI	4		25	16	50.5	21.1	22	UF-006-1-SL006-...
6	Thru-type adaptor (male)	9 mm	XI			30	16	54.5	21.1	27	UF-006-1-SL009-...
6	Thru-type adaptor (male)	11 mm	XI			30	16	54.5	21.1	35	UF-006-1-SL011-...
6	Thru-type adaptor (male)	BSPP 1/4"	I		17	11	18.9	38.5	21.1	29	UF-006-1-WR013-...
6	Thru-type adaptor (male)	BSPP 3/8"	I		19	12	21	39.5	21.1	41	UF-006-1-WR017-...
6	Thru-type adaptor (male)	BSPP 1/4"	II		17	14	18.9	39.5	21.1	38	UF-006-1-WR513-...
6	Self-sealing adaptor (male)	6 mm	XI	4	19	25	25	70	20.1	85	UF-006-2-SL006-...
6	Self-sealing adaptor (male)	9 mm	XI		19	30	25	75	20.1	90	UF-006-2-SL009-...
6	Self-sealing adaptor (male)	11 mm	XI		19	30	25	75	20.1	95	UF-006-2-SL011-...
6	Self-sealing adaptor (male)	13 mm	XI		19	30	25	75	20.1	110	UF-006-2-SL013-...
6	Self-sealing adaptor (male)	BSPP 1/4"	I		19	11	25	56	20.1	90	UF-006-2-WR013-...
6	Self-sealing adaptor (male)	BSPP 3/8"	I		19	12	25	57	20.1	100	UF-006-2-WR017-...
6	Self-sealing adaptor (male)	BSPP 1/2"	I		22	15	25	60	20.1	120	UF-006-2-WR021-...
6	Self-sealing adaptor (male)	BSPP 1/4"	II		19	13	25	55	20.1	95	UF-006-2-WR513-...
6	Self-sealing adaptor (male)	BSPP 3/8"	II		22	14	25	56	20.1	100	UF-006-2-WR517-...
7	Self-sealing coupling (female)	9 mm	XI	6	24	30	30	86		210	UF-007-0-SL009-...
7	Self-sealing coupling (female)	11 mm	XI		24	30	30	86		210	UF-007-0-SL011-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
7	Self-sealing coupling (female)	13 mm	XI		24	30	30	86		220	UF-007-0-SL013-...-
7	Self-sealing coupling (female)	BSPP 3/8"	I		24	12	30	68		210	UF-007-0-WR017-...-
7	Self-sealing coupling (female)	BSPP 1/2"	I		24	15	30	71		230	UF-007-0-WR021-...-
7	Self-sealing coupling (female)	BSPP 3/8"	II		24	14	30	68		230	UF-007-0-WR517-...-
7	Self-sealing coupling (female)	BSPP 1/2"	II		27	17	30	71		240	UF-007-0-WR521-...-
7	Thru-type adaptor (male)	9 mm	XI	6		30	18	58.5	24.5	35	UF-007-1-SL009-..
7	Thru-type adaptor (male)	11 mm	XI			30	18	58.5	24.5	42	UF-007-1-SL011-..
7	Thru-type adaptor (male)	13 mm	XI			30	18	58.5	24.5	53	UF-007-1-SL013-..
7	Thru-type adaptor (male)	BSPP 3/8"	I		19	12	21	45	24.5	62	UF-007-1-WR017-..
7	Thru-type adaptor (male)	BSPP 3/8"	II		22	14	24	44	24.5	69	UF-007-1-WR517-..
7	Self-sealing adaptor (male)	9 mm	XI	6	24	30	30	85.5	23.5	170	UF-007-2-SL009-...-
7	Self-sealing adaptor (male)	11 mm	XI		24	30	30	85.5	23.5	170	UF-007-2-SL011-...-
7	Self-sealing adaptor (male)	13 mm	XI		24	30	30	85.5	23.5	180	UF-007-2-SL013-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	I		24	12	30	67.5	23.5	170	UF-007-2-WR017-...-
7	Self-sealing adaptor (male)	BSPP 1/2"	I		24	15	30	70.5	23.5	190	UF-007-2-WR021-...-
7	Self-sealing adaptor (male)	BSPP 3/8"	II		24	14	30	67.5	23.5	180	UF-007-2-WR517-...-
7	Self-sealing adaptor (male)	BSPP 1/2"	II		27	17	30	70.5	23,5	200	UF-007-2-WR521-...-
12	Self-sealing coupling (female)	16 mm	XI		32	35	40	102		435	UF-012-0-SL016-...-
12	Self-sealing coupling (female)	19 mm	XI		32	35	40	102		468	UF-012-0-SL019-...-
12	Self-sealing coupling (female)	BSPP 1/2"	I		32	15	40	82		420	UF-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	I		32	17	40	84		466	UF-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1"	I		32	20	40	88		546	UF-012-0-WR033-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
12	Self-sealing coupling (female)	BSPP 1/2"	II		32	17	40	81		450	UF-012-0-WR521-...
12	Self-sealing coupling (female)	BSPP 3/4"	II		32	19	40	83		475	UF-012-0-WR526-...
12	Thru-type adaptor (male)	16 mm	XI			35	25	70.5	31.5	104	UF-012-1-SL016-..
12	Thru-type adaptor (male)	BSPP 1/2"	I		27	15	30	54.5	31.5	131	UF-012-1-WR021-..
12	Thru-type adaptor (male)	BSPP 1/2"	II		30	17	33.5	54.5	31.5	183	UF-012-1-WR521-..
12	Self-sealing adaptor (male)	16 mm	XI		32	35	40	100	29.5	328	UF-012-2-SL016-...
12	Self-sealing adaptor (male)	19 mm	XI		32	35	40	100	29.5	361	UF-012-2-SL019-...
12	Self-sealing adaptor (male)	BSPP 1/2"	I		32	15	40	80	29.5	312	UF-012-2-WR021-...
12	Self-sealing adaptor (male)	BSPP 3/4"	I		32	17	40	82	29.5	359	UF-012-2-WR026-...
12	Self-sealing adaptor (male)	BSPP 1"	I		36	20	40	86	29.5	440	UF-012-2-WR033-...
12	Self-sealing adaptor (male)	BSPP 1/2"	II		32	17	40	79	29.5	344	UF-012-2-WR521-...
12	Self-sealing adaptor (male)	BSPP 3/4"	II		32	19	40	81	29.5	375	UF-012-2-WR526-...
19	Self-sealing coupling (female)	19 mm	XI	13	46	35	60	118		1,110	UF-019-0-SL019-...
19	Self-sealing coupling (female)	25 mm	XI		46	40	60	123		1,170	UF-019-0-SL025-...
19	Self-sealing coupling (female)	28 mm	XI		46	45	60	128		1,200	UF-019-0-SL028-...
19	Self-sealing coupling (female)	BSPP 3/4"	I		46	17	60	100		1,080	UF-019-0-WR026-...
19	Self-sealing coupling (female)	BSPP 1"	I		46	20	60	103		1,110	UF-019-0-WR033-...
19	Self-sealing coupling (female)	BSPP 3/4"	II		46	19	60	94		1,130	UF-019-0-WR526-...
19	Self-sealing coupling (female)	BSPP 1"	II		46	23	60	98		1,120	UF-019-0-WR533-...
19	Thru-type adaptor (male)	25 mm	XI			40	38	83	34.5	289	UF-019-1-SL025-..
19	Thru-type adaptor (male)	BSPP 3/4"	I		41	17	45.5	61.5	34.5	320	UF-019-1-WR026-..
19	Thru-type adaptor (male)	BSPP 1"	II		41	23	45.5	63.5	34.5	365	UF-019-1-WR533-..

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Pipe ID	SW	T	D	L	N	Weight Brass	Material-neutral part number
19	Self-sealing adaptor (male)	19 mm"	XI	13	46	35	54	114	32.5	790	UF-019-2-SL019-...-
19	Self-sealing adaptor (male)	25 mm"	XI		46	40	54	119	32.5	860	UF-019-2-SL025-...-
19	Self-sealing adaptor (male)	28 mm"	XI		46	45	54	124	32.5	890	UF-019-2-SL028-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	I		46	17	54	96	32.5	760	UF-019-2-WR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	I		46	20	54	99	32.5	790	UF-019-2-WR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	II		46	19	54	90	32.5	810	UF-019-2-WR526-...-
19	Self-sealing adaptor (male)	BSPP 1"	II		46	23	54	94	32.5	800	UF-019-2-WR533-...-
32	Self-sealing coupling (female)	42 mm	XI		75	61	82	178		3,460	UF-032-0-SL042-...-
32	Self-sealing coupling (female)	53 mm	XI		75	70	82	182		3,840	UF-032-0-SL053-...-
32	Self-sealing coupling (female)	BSPP 1 1/2"	I		75	22	82	139		3,290	UF-032-0-WR048-...-
32	Self-sealing coupling (female)	BSPP 2"	I		75	26	82	143		3,510	UF-032-0-WR060-...-
32	Self-sealing coupling (female)	BSPP 1 1/2"	II		75	25	82	126		3,280	UF-032-0-WR548-...-
32	Self-sealing coupling (female)	BSPP 2"	II		75	29	82	130		3,130	UF-032-0-WR560-...-
32	Thru-type adaptor (male)	42 mm	XI			61	60	108	39	730	UF-032-1-SL042-...-
32	Thru-type adaptor (male)	BSPP 1 1/2"	I		55	22	61.3	74.5	39	680	UF-032-1-WR048-...-
32	Thru-type adaptor (male)	BSPP 1 1/2"	II		60	25	66.5	72	39	720	UF-032-1-WR548-...-
32	Self-sealing adaptor (male)	42 mm	XI		75	61	82	174.5	39	2,940	UF-032-2-SL042-...-
32	Self-sealing adaptor (male)	53 mm	XI		75	70	82	178.5	39	3,320	UF-032-2-SL053-...-
32	Self-sealing adaptor (male)	BSPP 1 1/2"	I		75	22	82	135.5	39	2,750	UF-032-2-WR048-...-
32	Self-sealing adaptor (male)	BSPP 2"	I		75	26	82	139.5	39	2,980	UF-032-2-WR060-...-
32	Self-sealing adaptor (male)	BSPP 1 1/2"	II		75	25	82	122.5	39	2,740	UF-032-2-WR548-...-
32	Self-sealing adaptor (male)	BSPP 2"	II		75	29	82	126.5	39	2,600	UF-032-2-WR560-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series UM

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]	
	EA	BA	EA	BA	EA	BA	Brass	Stainless steel
							coupled	coupled
4	0.36		5.14		18.22		20 / 290	20 / 290
6		0.77		11.00		38.97		20 / 290
12		3.25		46.41		164.47		20 / 290

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

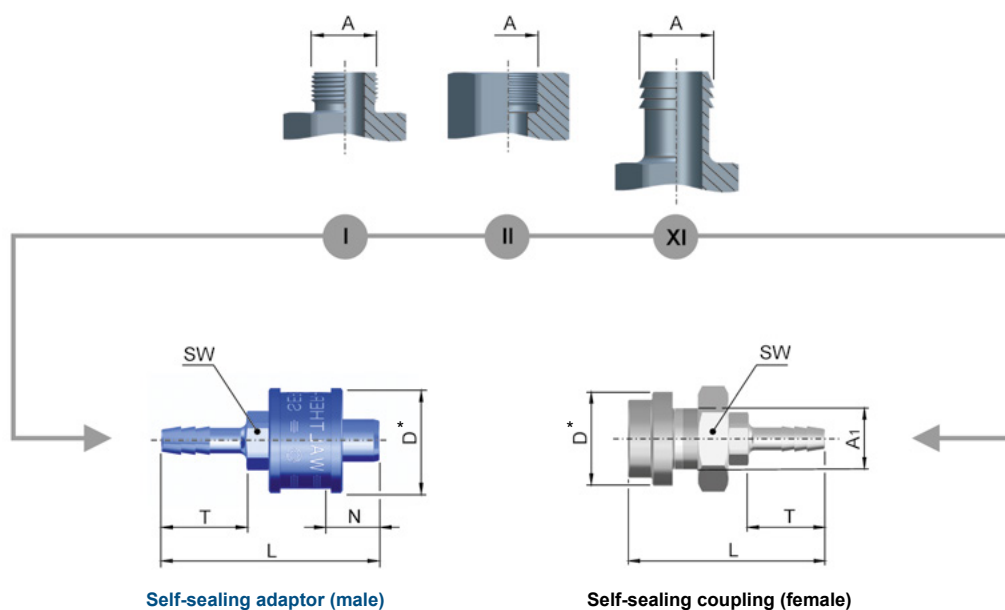
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the **performance diagram**
please click here.

To view the **connection description** ▶▶▶
please click here.



D* - Diameter depending on selected round fitting R1 to R5

Series UM

Product design features

Intended use: Non-interchangeable low pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment, especially for use in robots or handling systems.

Properties	Materials	Seals	Additional options
- Automatic locking (One-hand operation) - Can be operated by manipulators - Non-interchangeable round fittings R1-R5 - Coupling connection for installation in bulkhead wall	23 = Brass nickel plated Closing bush and locking sleeve: Aluminium, color coding Optional From DN 6 01 = Stainless steel 1.4404/1.4571 or similar	1 = NBR 2 = FKM 4 = EPDM	OV = without valve R1 bis R5 = coding variants Optional - Character and color coding depending on NW. - Color coding for UM-004 R1 = yellow R2 = red R3 = black R4 = green R5 = white / silver anodized - Available from DN 6 with general plug (version -R0, for R1 to R5)

Maximum bulkhead thickness: NB 4 = 5 mm, NB 6 = 10 mm, NB 12 = 18 mm

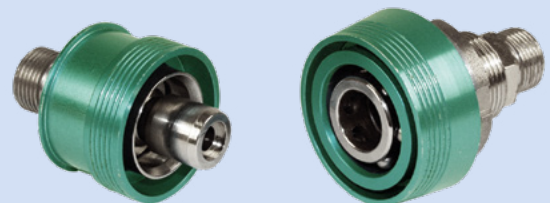
Note: The additional feature R0 or R1-R5 is an integral component of the part number and must be specified!

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

UM-004-0-WR010-Material-Seal-Additional options-Y../Z..

Product chart



NB	Product type	A / A1	Design	SW	T	D	L	N	Weight Brass	Material-neutral part number
4	Self-sealing coupling (female)	BSPP 1/8" M 18 x 0.75	I	22	10	36	45.5		115	UM-004-0-WR010-...-
4	Thru-type adaptor (male)	6 mm	XI	14	20	27-31	63.5	15.5	110	UM-004-1-SL006-..

NB - Nominal bore [mm] **A / A1** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D*** - Diameter [mm] in relation to selected coding variant **L** - Length [mm]
N - Adaptor length [mm] Weight [g]

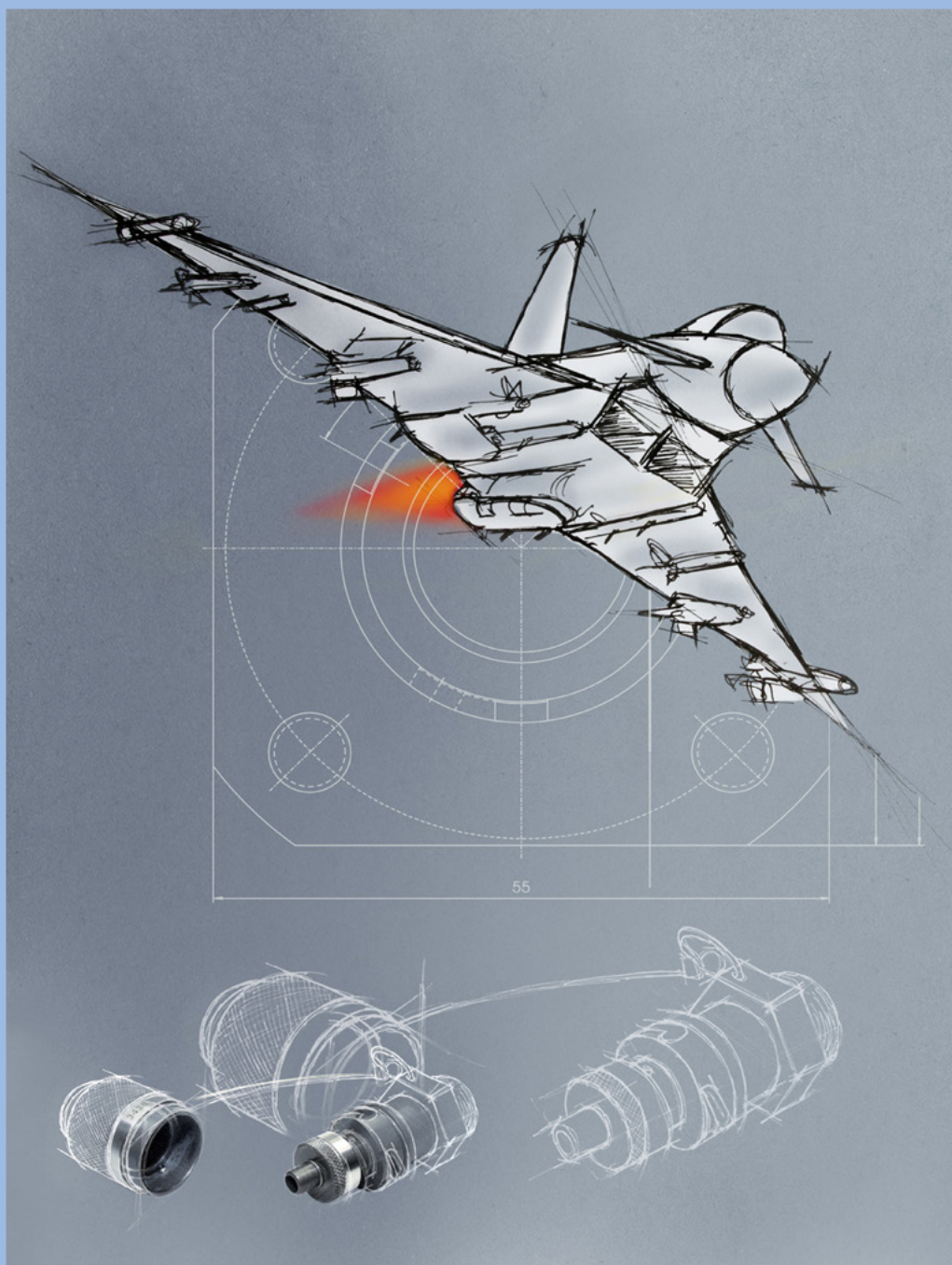
Series UM

Product chart

NB	Product type	A / A1	Range	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
6	Self-sealing coupling (female)	9 mm M 24 x 1.5	XI	36	30	37-46	77.5		223	UM-006-0-SL009-...-
6	Self-sealing coupling (female)	11 mm M 24 x 1.5	XI	36	30	37-46	77.5		231	UM-006-0-SL011-...-
6	Self-sealing coupling (female)	13 mm M 24 x 1.5	XI	36	30	37-46	78		239	UM-006-0-SL013-...-
6	Self-sealing coupling (female)	BSPP 1/4" M 24 x 1.5	I	36	11	37-46	58.5		222	UM-006-0-WR013-...-
6	Self-sealing coupling (female)	BSPP 3/8" M 24 x 1.5	I	36	12	37-46	59.5		230	UM-006-0-WR017-...-
6	Self-sealing coupling (female)	BSPP 1/4" M 24 x 1.5	II	36	13	37-46	57.5		231	UM-006-0-WR513-...-
6	Self-sealing adaptor (male)	9 mm	XI	19	30	37-38	78.5	22.5	171	UM-006-2-SL009-...-
6	Self-sealing adaptor (male)	11 mm	XI	19	30	37-38	78.5	22.5	179	UM-006-2-SL011-...-
6	Self-sealing adaptor (male)	13 mm	XI	19	30	37-38	79	22.5	187	UM-006-2-SL013-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I	19	11	37-38	60	22.5	170	UM-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I	19	12	37-38	61	22.5	178	UM-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II	19	13	37-38	58.5	22.5	179	UM-006-2-WR513-...-
12	Self-sealing coupling (female)	16 mm M 38 x 1.5	XI	32	35	55-66	103.5		1,764	UM-012-0-SL016-...-
12	Self-sealing coupling (female)	BSPP 1/2" M 38 x 1.5	I	32	15	55-66	83.5		1,752	UM-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4" M 38 x 1.5	I	32	17	55-66	85.5		1,766	UM-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1/2" M 38 x 1.5	II	32	17	55-66	82.5		1,797	UM-012-0-WR521-...-
12	Self-sealing coupling (female)	BSPP 3/4" M 38 x 1.5	II	32	19	55-66	84.5		1,766	UM-012-0-WR526-...-
12	Self-sealing adaptor (male)	16 mm	XI	32	35	55-56	104	33	896	UM-012-2-SL016-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	I	32	15	55-56	84	33	884	UM-012-2-WR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	I	32	17	55-56	86	33	898	UM-012-2-WR026-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	II	32	17	55-56	83	33	926	UM-012-2-WR521-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	II	32	19	55-56	85	33	898	UM-012-2-WR526-...-

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D* - See p.109 [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]





Medium pressure quick coupling systems are frequently used in hydraulic applications and in the supply of gas in higher pressure ranges. While steel designs are usually sufficient in oil hydraulics, stainless steel is used in some gas applications and in the field of water hydraulics. A variety of connection types, sealing materials and valve systems (also leakage minimized clean break) are also installed here. Your use is our success!

Quick coupling systems up to 250 bar / 3,625 psi

Series Finder

Clean break valve designs marked in green

Typical applications	Features + options	Maximum permissible static pressure* [bar / psi]	Standard temperature** [°C]	Series	Page
Hydraulics	Squirt- and drip-free, Safety locking device (-ST) against unintentional disconnection, Dirt-proof locking sleeve (-Z12), ATEX version (-EX)	250 / 3,625	-15 to +200	CP	112
Hydraulic training units	Automatic locking	130 / 1,885	-15 to +200	FF / 15	116
Hydraulics, water, steam, gases, mechanical engineering	Nominal bores 6 to 25 are available in stainless steel, as well as in a smooth design without knurling (-GL/-GX).	250 / 3,625	-30 to +200	MD	118
Hydraulic controls training units, general hydraulics	Compact dimensions	250 / 3,625	-15 to +200	SG 	128

* The max. permissible static pressure depends on the chosen technical version.

** The suitability for temperature depends on the medium, operating pressure and the quick coupling materials used.

We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000



tk@walther-praezision.de



Series CP

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, $\Delta p = 1 \text{ bar} / 15 \text{ psi}$		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, $\Delta p = 1 \text{ bar} / 15 \text{ psi}$		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Stainless steel coupled
6		1.00		14.28		50.61	250 / 3,625
9		3.20		45.70		161.94	250 / 3,625
12		4.50		64.26		227.73	250 / 3,625
16		8.20		117.10		414.98	250 / 3,625

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

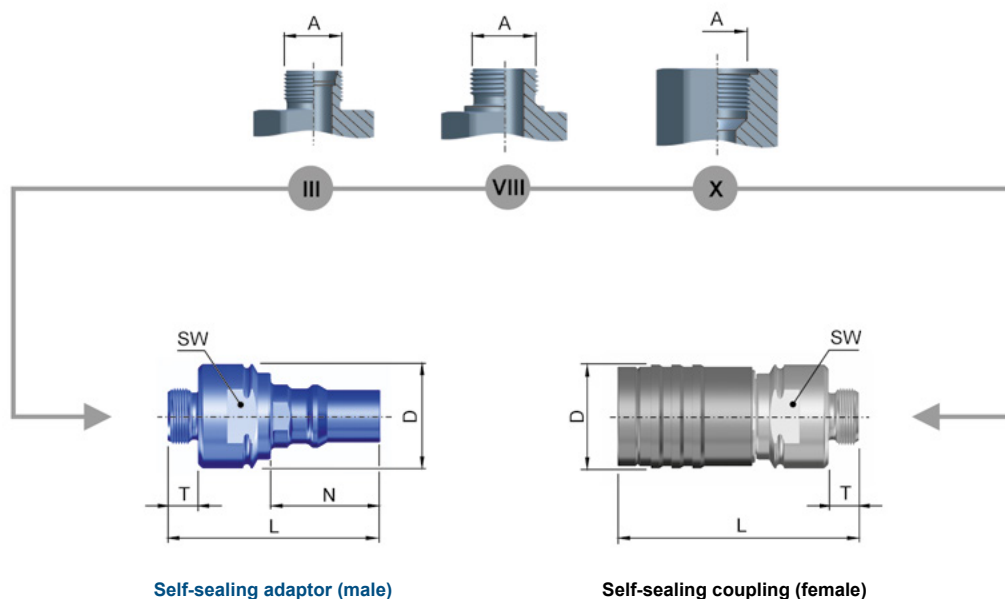
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Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series CP

Product design features

Intended use: Medium pressure clean break quick coupling system for the transmission of fluid or gaseous media in an industrial / commercial environment, especially for the chemical industry.

Properties	Materials	Seals	Additional options
- Low leakage volume during disconnection - Non-squirting - Minimal air inclusion when connecting - Automatic locking (one-hand operation) - Connecting against residual pressure possible	01 = Stainless steel 1.4307	2 = FKM Optional FFKM	BB = 3.1 production EF = 1935/2004-compliant EX = ATEX-compliant FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances ST = Safety lock TA = in line with TA-Luft Z12 = Dirt-proof locking sleeve

Recommendation: To protect the sealing faces, the self-sealing adaptors should be firmly mounted and the self-sealing couplings should be used as loose parts.

Suitable protection elements can be found in this catalogue from p. 180.

Order number configuration

CP-006-0-S1018-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	4	32	12	35.5	86.5		380	CP-006-0-S1018-...-
6	Self-sealing coupling (female)	BSPP 3/8"	VIII				32	12	35.5	87.5		390	CP-006-0-WB017-...-
6	Self-sealing coupling (female)	BSPP 3/8"	X				32	14	35.5	94		435	CP-006-0-WX517-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	4	32	12	35.5	76	37.6	230	CP-006-2-S1018-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	VIII				32	12	35.5	78.5	37.6	235	CP-006-2-WB017-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	X				32	14	35.5	84	37.6	285	CP-006-2-WX517-...-

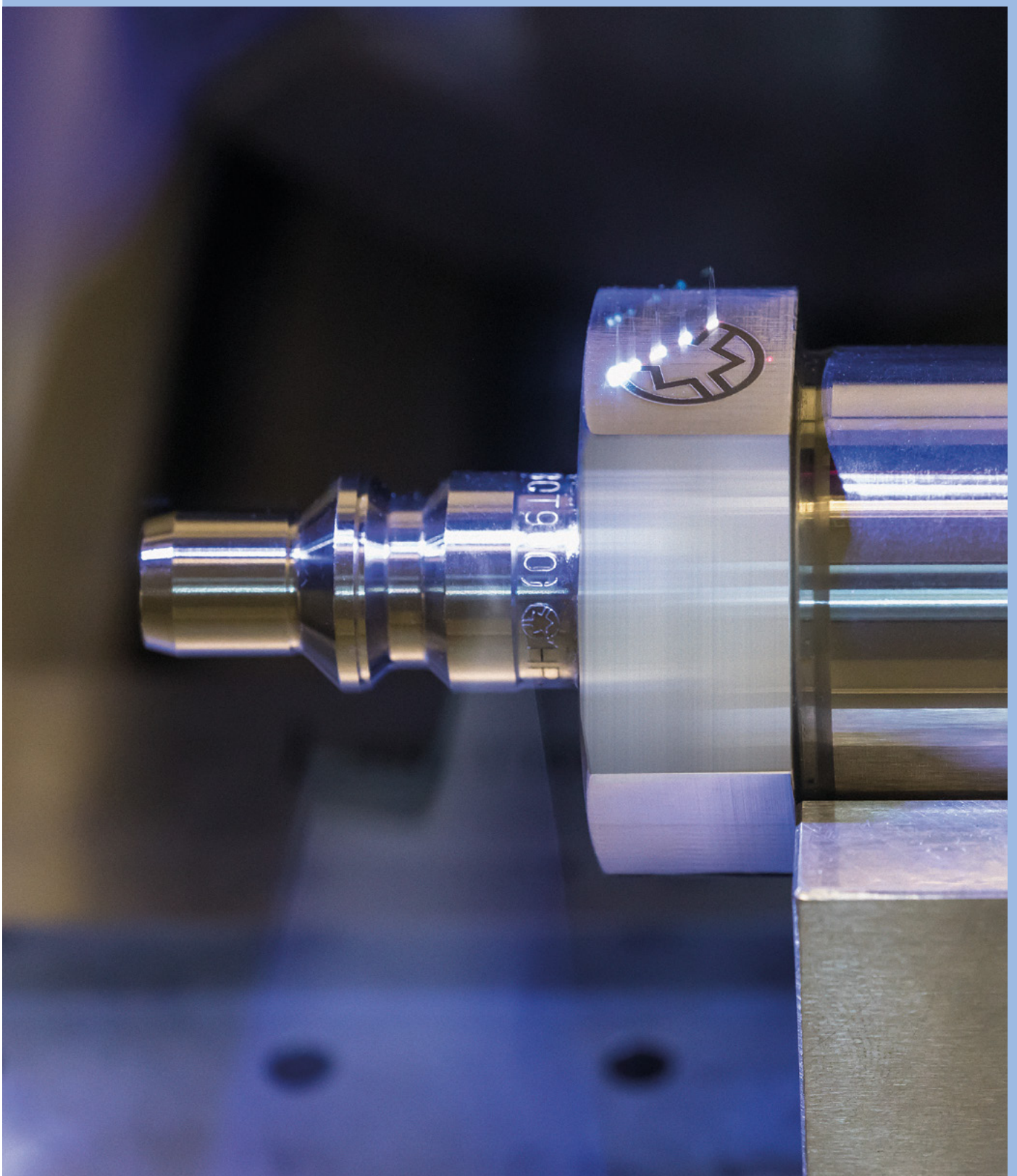
NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series CP

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
9	Self-sealing coupling (female)	M 22 x 1.5	III	S	14	10	36	14	42	101.5		610	CP-009-0-S1422-...
9	Self-sealing coupling (female)	BSPP 1/2"	VIII				36	14	42	104.5		625	CP-009-0-WB021-...
9	Self-sealing coupling (female)	BSPP 1/2"	X				36	16.5	42	111		705	CP-009-0-WX521-...
9	Self-sealing adaptor (male)	M 22 x 1.5	III	S	14	10	36	14	42	90.5	45	370	CP-009-2-S1422-...
9	Self-sealing adaptor (male)	BSPP 1/2"	VIII				36	14	42	93.5	45	380	CP-009-2-WB021-...
9	Self-sealing adaptor (male)	BSPP 1/2"	X				36	16.5	42	100	45	460	CP-009-2-WX521-...
12	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	41	14	48	112		885	CP-012-0-S1624-...
12	Self-sealing coupling (female)	BSPP 1/2"	VIII				41	14	48	115		890	CP-012-0-WB021-...
12	Self-sealing coupling (female)	BSPP 1/2"	X				41	16.5	48	120.5		970	CP-012-0-WX521-...
12	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	41	14	48	98.5	50.5	510	CP-012-2-S1624-...
12	Self-sealing adaptor (male)	BSPP 1/2"	VIII				41	14	48	101.5	50.5	515	CP-012-2-WB021-...
12	Self-sealing adaptor (male)	BSPP 1/2"	X				41	16.5	48	107	50.5	595	CP-012-2-WX521-...
16	Self-sealing coupling (female)	M 30 x 2	III	S	20	16	55	16	63	136		1,980	CP-016-0-S2030-...
16	Self-sealing coupling (female)	BSPP 3/4"	VIII				55	16	63	139		2,000	CP-016-0-WB026-...
16	Self-sealing coupling (female)	BSPP 3/4"	X				55	18.5	63	145		2,220	CP-016-0-WX526-...
16	Self-sealing adaptor (male)	M 30 x 2	III	S	20	16	55	16	63	114.5	57.5	1,010	CP-016-2-S2030-...
16	Self-sealing adaptor (male)	BSPP 3/4"	VIII				55	16	63	117.5	57.5	1,020	CP-016-2-WB026-...
16	Self sealing adaptor (male)	BSPP 3/4"	X				55	18.5	63	123.5	57.5	1235	CP-016-2-WX526-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Series FF / 15

Technical information

Nominal bore [mm]	Cv value		Q [L/min] oil (6,1 mm ² /s; 900 kg/m ³) 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	WEDISO
					coupled
5		0.72		9.61	130 / 1,885

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

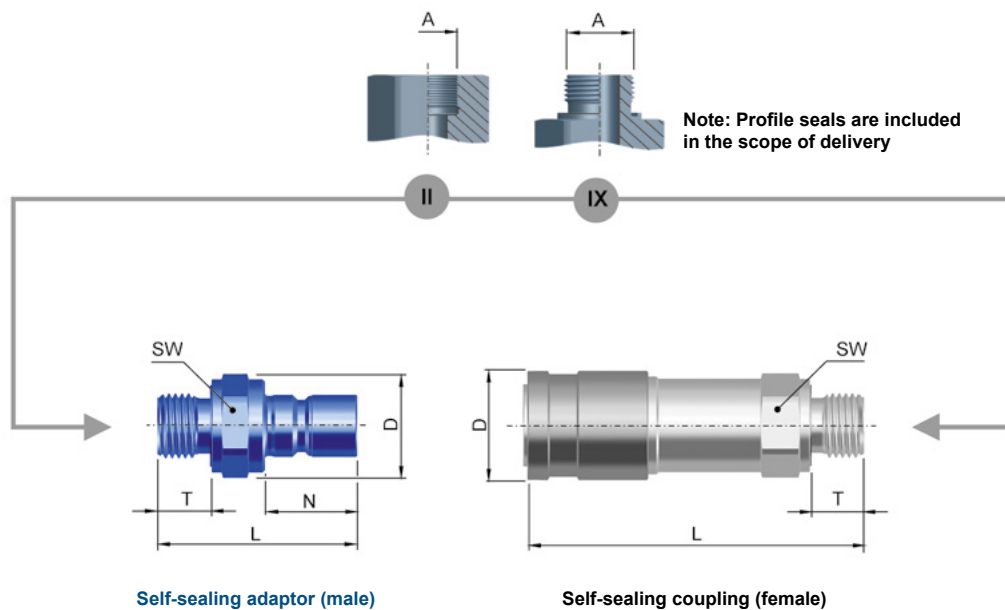
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Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

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◀◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.



Series FF / 15

Product design features

Intended use: Medium pressure clean break quick coupling system for the transmission of fluid media in an industrial / commercial environment, especially for sample fluid circuits / teaching operations.

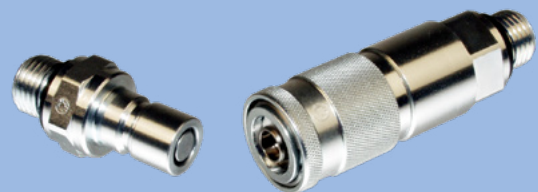
Properties	WEDISO	Additional options
- Low leakage volume during disconnection - Minimal air inclusion when connecting - Automatic locking (One-hand operation) - Non-squirting - High flow rate - Connecting against residual pressure possible	Self-sealing coupling 15-005-0-XX001 AAAA: Galvanised steel, chemically nickel-plated steel, stainless steel 1.4571 and 1.4305, NBR, AU70 15-005-0-XX010 AAAA: Galvanised steel, chemically nickel-plated brass, stainless steel 1.4571, NBR, AU70 Self-sealing adaptor AAA: Stainless steel 1.4305, zinc die-casting, NBR	On request (see pages 19-20)

Note: The additional feature Y01 or Z05 is an integral component of the part number and must be specified!

Order number configuration

15-005-0-XX001-WEDISO-Additional options-Y01/-Z05

Product chart



NB	Product type	A	Design	SW	T	D	L	N	Weight Steel	Material-neutral part number
5	Self-sealing coupling (female)	BSPP 1/4"	II	18	8	22.2	62.8		113	15-005-0-XX001-.....Z05
5	Self-sealing coupling (female)	BSPP 1/4"	IX	19	11	22.2	67.3		110	15-005-0-XX010-.....Z05
5	Self-sealing adaptor (male)	BSPP 1/4"	IX	19	11	21.1	40.5	18.7	35	FF-005-2-XX014-.....Y01

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bars / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]		
	EA	BA	EA	BA	EA	BA	Steel	Brass	Stainless steel
							coupled	coupled	coupled
6		0.73		10.43		36.94	200 / 2,900	40 / 580	100 / 1,450
7		1.07		15.28		54.15	250 / 3,625	40 / 580	100 / 1,450
12		3.25		46.41		164.47	250 / 3,625	40 / 580	100 / 1,450
19		8.20		117.10		414.98	250 / 3,625	40 / 580	50 / 725
25		13.50		192.79		683.19	220 / 3,190	40 / 580	50 / 725
32	29.40	23.80	419.86	339.89	1,487.84	1,204.44	200 / 2,900	40 / 580	40 / 580
50	68.00	59.00	971.11	842.58	3,441.26	2,985.80	100 / 1,450	30 / 435	30 / 435

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

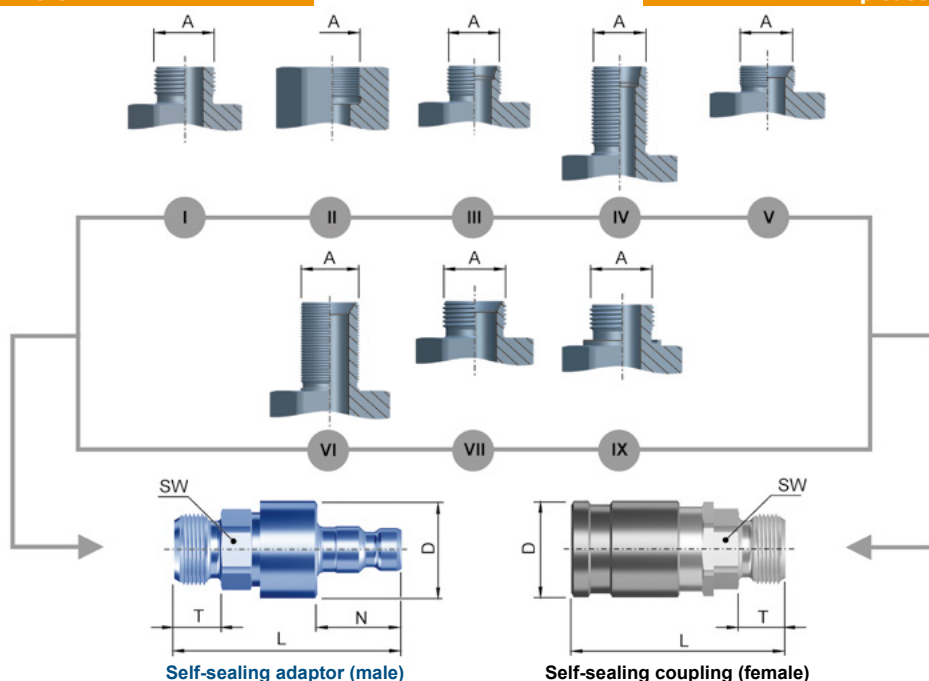
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Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly.

◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.





Series MD

Product design features

Intended use: Robust medium pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Materials	Seals	Additional options
Applications: hydraulics, gases, and many others Also available in breakaway applications	01 = Stainless steel 1.4404/1.4571 or similar 19 = Steel zinc plated, partially oil burnished 21 = Brass passivated Stecknippel 12 = Steel oil burnished Optional 13 = Steel chemically nickel plated 22 = Brass chrome plated 24 = Brass chemically nickel plated MD-032 / 050 31 = Aluminium silver anodized	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	BB = 3.1 production EF = 1935/2004-compliant EX = ATEX-compliant FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances GG = With ring grips (aluminium cast): MD-019 = Ø 130 mm, MD-025 / 032 = Ø 190 mm, MD-050 = Ø 220 mm GL = Smooth design GX = Smooth design with width flat end connection OV = Without valve SI = Additional axial safety locking device
MD-006: SI – Outside diameter 29 mm MD-007: SI – Outside diameter 34 mm MD-050: SI – Outside diameter 116 mm	MD-012: SI – Outside diameter 44 mm MD-019: SI – Outside diameter 58 mm	MD-025: SI – Outside diameter 58 mm MD-032: SI – Outside diameter 89 mm	

Suitable plastic - dust caps and pressure-tight protection elements can be found in this catalogue from p. 184.

Attention: GG and SI cannot be combined = Special version - please enquire

Self-sealing coupling + OV ≙ Product type Thru-type coupling; Self-sealing adaptor + OV ≙ Product type Thru-type adaptor

Order number configuration

MD-006-0-D0614-Material-Seal-Additional options-Y./-Z..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 14 x 1.5	V			6	19	10	25	57		110	MD-006-0-D0614-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	19	10	25	57		110	MD-006-0-L0612-...-
6	Self-sealing coupling (female)	M 14 x 1.5	III	L	8	6	19	10	25	57		110	MD-006-0-L0814-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	19	11	25	58		110	MD-006-0-L1016-...-
6	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	25	58		110	MD-006-0-L1218-...-
6	Self-sealing coupling (female)	M 14 x 1.5	IV	L	8	6	19	32	25	79		130	MD-006-0-LV008-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	S	8	4	19	12	25	59		120	MD-006-0-S0816-...-
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	19	12	25	59		120	MD-006-0-S1018-...-
6	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	22	12	25	59		130	MD-006-0-S1220-...-
6	Self-sealing coupling (female)	BSPP 1/4"	VII			6	19	11	25	58		110	MD-006-0-VR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	VII			6	19	12	25	59		120	MD-006-0-VR017-...-
6	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	25	64		157	MD-006-0-WE017-...-
6	Self-sealing coupling (female)	BSPP 1/4"	I				19	11	25	58		110	MD-006-0-WR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	I				19	12	25	59		120	MD-006-0-WR017-...-
6	Self-sealing coupling (female)	BSPP 1/2"	I				22	15	25	62		140	MD-006-0-WR021-...-
6	Self-sealing coupling (female)	BSPP 1/4"	II				19	13	25	57		120	MD-006-0-WR513-...-
6	Self-sealing coupling (female)	BSPP 3/8"	II				22	14	25	58		130	MD-006-0-WR517-...-
6	Self-sealing coupling (female)	M 16 x 1.5	IV	L	10	8	19	32	25	79		140	MD-006-0-XX211-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	V			6	19	10	25	56.5	21.7	85	MD-006-2-D0614-...-
6	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	25	56.5	21.7	85	MD-006-2-L0612-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	III	L	8	6	19	10	25	56.5	21.7	85	MD-006-2-L0814-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	19	11	25	57.5	21.7	85	MD-006-2-L1016-...-
6	Self sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	25	57.5	21.7	85	MD-006-2-L1218-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	25	78.5	21.7	100	MD-006-2-LV008-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	III	S	8	4	19	12	25	58.5	21.7	90	MD-006-2-S0816-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	25	58.5	21.7	90	MD-006-2-S1018-...-
6	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	22	12	25	58.5	21.7	100	MD-006-2-S1220-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	VII			6	19	11	25	57.5	21.7	85	MD-006-2-VR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	VII			6	19	12	25	58.5	21.7	95	MD-006-2-VR017-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	25	63	21.7	127	MD-006-2-WE017-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I				19	11	25	57.5	21.7	85	MD-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I				19	12	25	58.5	21.7	90	MD-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	25	61.5	21.7	110	MD-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	25	56.5	21.7	90	MD-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	25	57.5	21.7	95	MD-006-2-WR517-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	25	78.5	21.7	110	MD-006-2-XX211-...-
7	Self-sealing coupling (female)	M 16 x 1.5	V			8	24	11	30	67		200	MD-007-0-D0816-...-
7	Self-sealing coupling (female)	M 16 x 1.5	VI			8	24	33.5	30	89.5		220	MD-007-0-DV010-...-
7	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	24	11	30	67		190	MD-007-0-L1016-...-
7	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	24	11	30	67		190	MD-007-0-L1218-...-
7	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	24	11	30	68		200	MD-007-0-S1018-...-
7	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	24	12	30	68		200	MD-007-0-S1220-...-
7	Self-sealing coupling (female)	BSPP 3/8"	VII			7	24	12	30	68		210	MD-007-0-VR017-...-
7	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	30	71		220	MD-007-0-WE017-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
7	Self-sealing coupling (female)	BSPP 3/8"	I				24	12	30	68		200	MD-007-0-WR017-...
7	Self-sealing coupling (female)	BSPP 1/2"	I				24	15	30	71		220	MD-007-0-WR021-...
7	Self-sealing coupling (female)	BSPP 3/8"	II				24	14	30	68		210	MD-007-0-WR517-...
7	Self-sealing coupling (female)	BSPP 1/2"	II				27	17	30	71		230	MD-007-0-WR521-...
7	Self-sealing adaptor (male)	M 16 x 1.5	V			8	24	11	30	66.5	25	140	MD-007-2-D0816-...
7	Self-sealing adaptor (male)	M 16 x 1.5	VI			8	24	33.5	30	88	25	170	MD-007-2-DV010-...
7	Self-sealing adaptor (male)	M 16 x 1.5	III	L	10	8	24	11	30	65.5	25	150	MD-007-2-L1016-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	24	11	30	65.5	25	150	MD-007-2-L1218-...
7	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	24	12	30	66.5	25	160	MD-007-2-S1018-...
7	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	24	12	30	66.5	25	160	MD-007-2-S1220-...
7	Self-sealing adaptor (male)	BSPP 3/8"	VII			7	24	12	30	66.5	25	150	MD-007-2-VR017-...
7	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	30	68	25	170	MD-007-2-WE017-...
7	Self-sealing adaptor (male)	BSPP 3/8"	I				24	12	30	66.5	25	150	MD-007-2-WR017-...
7	Self-sealing adaptor (male)	BSPP 1/2"	I				24	15	30	69.5	25	170	MD-007-2-WR021-...
7	Self-sealing adaptor (male)	BSPP 3/8"	II				24	14	30	66.5	25	160	MD-007-2-WR517-...
7	Self-sealing adaptor (male)	BSPP 1/2"	II				27	15	30	69.5	25	180	MD-007-2-WR521-...
12	Self-sealing coupling (female)	M 18 x 1.5	V			10	32	11	40	78		380	MD-012-0-D1018-...
12	Self-sealing coupling (female)	M 22 x 1.5	V			12	32	12	40	79		390	MD-012-0-D1222-...
12	Self-sealing coupling (female)	M 22 x 1.5	VI			13	32	39	40	106		440	MD-012-0-DV015-...
12	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	32	11	40	78		380	MD-012-0-L1218-...
12	Self-sealing coupling (female)	M 22 x 1.5	III	L	15	12	32	12	40	79		390	MD-012-0-L1522-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	32	14	40	81		400	MD-012-0-S1624-...-
12	Self-sealing coupling (female)	BSPP 1/2"	VII			12	32	15	40	82		390	MD-012-0-VR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	VII			12	32	17	40	84		410	MD-012-0-VR026-...-
12	Self-sealing coupling (female)	BSPP 1/2"	IX				32	14	40	84		400	MD-012-0-WE021-...-
12	Self-sealing coupling (female)	BSPP 1/2"	I				32	15	40	82		390	MD-012-0-WR021-...-
12	Self-sealing coupling (female)	BSPP 3/4"	I				32	17	40	84		420	MD-012-0-WR026-...-
12	Self-sealing coupling (female)	BSPP 1"	I				36	20	40	88		480	MD-012-0-WR033-...-
12	Self-sealing coupling (female)	BSPP 1/2"	II				32	17	40	81		430	MD-012-0-WR521-...-
12	Self-sealing coupling (female)	BSPP 3/4"	II				32	19	40	83		410	MD-012-0-WR526-...-
12	Self-sealing adaptor (male)	M 18 x 1.5	V			10	32	11	40	78	31.5	290	MD-012-2-D1018-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	V			12	32	12	40	79	31.5	300	MD-012-2-D1222-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	IX			13	32	39	40	106	31.5	350	MD-012-2-DV015-...-
12	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	32	11	40	78	31.5	290	MD-012-2-L1218-...-
12	Self-sealing adaptor (male)	M 22 x 1.5	III	L	15	12	32	12	40	79	31.5	300	MD-012-2-L1522-...-
12	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	32	14	40	81	31.5	310	MD-012-2-S1624-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	VII			12	32	15	40	82	31.5	300	MD-012-2-VR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	VI			12	32	17	40	84	31.5	320	MD-012-2-VR026-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	IX				32	14	40	84	31.5	310	MD-012-2-WE021-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	I				32	15	40	82	31.5	300	MD-012-2-WR021-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	I				32	17	40	84	31.5	330	MD-012-2-WR026-...-
12	Self-sealing adaptor (male)	BSPP 1"	I				36	20	40	88	31.5	390	MD-012-2-WR033-...-
12	Self-sealing adaptor (male)	BSPP 1/2"	II				32	17	40	81	31.5	340	MD-012-2-WR521-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing adaptor (male)	BSPP 3/4"	II				32	19	40	83	31.5	320	MD-012-2-WR526-...-
19	Self-sealing coupling (female)	M 26 x 1.5	V			15	46	12	54	95		830	MD-019-0-D1526-...-
19	Self-sealing coupling (female)	M 30 x 1.5	V			19	46	14	54	97		830	MD-019-0-D1930-...-
19	Self-sealing coupling (female)	M 30 x 1.5	VI			19	46	45	54	128		920	MD-019-0-DV022-...-
19	Self-sealing coupling (female)	M 26 x 1.5	III	L	18	16	46	12	54	95		830	MD-019-0-L1826-...-
19	Self-sealing coupling (female)	M 30 x 2	III	L	22	20	46	14	54	97		830	MD-019-0-L2230-...-
19	Self-sealing coupling (female)	M 30 x 2	III	S	20	16	46	16	54	99		850	MD-019-0-S2030-...-
19	Self-sealing coupling (female)	M 36 x 2	III	S	25	20	46	18	54	101		870	MD-019-0-S2536-...-
19	Self-sealing coupling (female)	BSPP 3/4"	VII			19	46	17	54	100		850	MD-019-0-VR026-...-
19	Self-sealing coupling (female)	BSPP 1"	VII			19	46	20	54	103		880	MD-019-0-VR033-...-
19	Self-sealing coupling (female)	BSPP 3/4"	IX				46	16	54	102		850	MD-019-0-WE026-...-
19	Self-sealing coupling (female)	BSPP 3/4"	I				46	17	54	100		840	MD-019-0-WR026-...-
19	Self-sealing coupling (female)	BSPP 1"	I				46	20	54	103		870	MD-019-0-WR033-...-
19	Self-sealing coupling (female)	BSPP 3/4"	II				46	19	54	94		900	MD-019-0-WR526-...-
19	Self-sealing coupling (female)	BSPP 1"	II				46	23	54	98		880	MD-019-0-WR533-...-
19	Self-sealing adaptor (male)	M 26 x 1.5	V			15	46	12	54	94	35.5	700	MD-019-2-D1526-...-
19	Self-sealing adaptor (male)	M 30 x 1.5	V			19	46	14	54	96	35.5	700	MD-019-2-D1930-...-
19	Self-sealing adaptor (male)	M 30 x 1.5	VI			19	46	45	54	127	35.5	790	MD-019-2-DV022-...-
19	Self-sealing adaptor (male)	M 26 x 1.5	III	L	18	16	46	12	54	94	35.5	700	MD-019-2-L1826-...-
19	Self-sealing adaptor (male)	M 30 x 2	III	L	22	20	46	14	54	96	35.5	700	MD-019-2-L2230-...-
19	Self-sealing adaptor (male)	M 30 x 2	III	S	20	16	46	16	54	98	35.5	720	MD-019-2-S2030-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
19	Self-sealing adaptor (male)	M 36 x 2	III	S	25	20	46	18	54	100	35.5	740	MD-019-2-S2536-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	VII			19	46	17	54	99	35.5	710	MD-019-2-VR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	VII			19	46	20	54	102	35.5	740	MD-019-2-VR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	IX				46	16	54	101	35.5	720	MD-019-2-WE026-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	I				46	17	54	99	35.5	710	MD-019-2-WR026-...-
19	Self-sealing adaptor (male)	BSPP 1"	I				46	20	54	102	35.5	740	MD-019-2-WR033-...-
19	Self-sealing adaptor (male)	BSPP 3/4"	II				46	19	54	93	35.5	770	MD-019-2-WR526-...-
19	Self-sealing adaptor (male)	BSPP 1"	II				46	23	54	97	35.5	750	MD-019-2-WR533-...-
25	Self-sealing coupling (female)	M 38 x 1.5	V			25	55	14	62	124		1,650	MD-025-0-D2538-...-
25	Self-sealing coupling (female)	M 42 x 2	III	S	30	25	55	20	62	130		1,610	MD-025-0-S3042-...-
25	Self-sealing coupling (female)	BSPP 1 1/2"	I				55	22	62	132		1,710	MD-025-0-WR048-...-
25	Self-sealing coupling (female)	BSPP 1 1/2"	II				55	25	62	138.5		1,740	MD-025-0-WR548-...-
25	Self-sealing adaptor (male)	M 38 x 1.5	V				55	14	62	125	45	1,310	MD-025-2-D2538-...-
25	Self-sealing adaptor (male)	M 42 x 2	III	S	30	25	55	20	62	131	45	1,280	MD-025-2-S3042-...-
25	Self-sealing adaptor (male)	BSPP 1 1/2"	I				55	22	62	133	45	1,370	MD-025-2-WR048-...-
25	Self-sealing adaptor (male)	BSPP 1 1/2"	II				55	25	62	139.5	45	1,400	MD-025-2-WR548-...-
32	Self-sealing coupling (female)	M 45 x 1.5	V			32	75	16	82	128		2,880	MD-032-0-D3245-...-
32	Self-sealing coupling (female)	M 52 x 2	III	S	38	32	75	22	82	134		2,940	MD-032-0-S3852-...-
32	Self-sealing coupling (female)	BSPP 1 1/2"	I				75	22	82	139		3,080	MD-032-0-WR048-...-
32	Self-sealing coupling (female)	BSPP 2"	I				75	26	82	143		3,290	MD-032-0-WR060-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
32	Self-sealing coupling (female)	BSPP 1 1/2"	II				75	25	82	126		3,050	MD-032-0-WR548-...
32	Self-sealing coupling (female)	BSPP 2"	II				75	29	82	130		2,920	MD-032-0-WR560-...
32	Thru-type adaptor (male)	M 45 x 1.5	V			32	55	16	61.3	70.5	41	510	MD-032-1-D3245-...
32	Thru-type adaptor (male)	M 52 x 2	III	S	38	32	60	22	66.9	82	41	630	MD-032-1-S3852-...
32	Thru-type adaptor (male)	BSPP 1 1/2"	I				55	22	60	82	41	620	MD-032-1-WR048-...
32	Thru-type adaptor (male)	BSPP 2"	I				65	26	72.5	88	41	670	MD-032-1-WR060-...
32	Thru-type adaptor (male)	BSPP 1 1/2"	II				60	25	66	75	41	700	MD-032-1-WR548-...
32	Thru-type adaptor (male)	BSPP 2"	II				70	27	78	77	41	820	MD-032-1-WR560-...
32	Self-sealing adaptor (male)	M 45 x 1.5	V			32	75	16	82	126.5	41	2,400	MD-032-2-D3245-...
32	Self-sealing adaptor (male)	M 52 x 2	III	S	38	32	75	22	82	132.5	41	2,460	MD-032-2-S3852-...
32	Self-sealing adaptor (male)	BSPP 1 1/2"	I				75	22	82	137.5	41	2,600	MD-032-2-WR048-...
32	Self-sealing adaptor (male)	BSPP 2"	I				75	26	82	141.5	41	2,810	MD-032-2-WR060-...
32	Self-sealing adaptor (male)	BSPP 1 1/2"	II				75	25	82	124.5	41	2,570	MD-032-2-WR548-...
32	Self-sealing adaptor (male)	BSPP 2"	II				75	29	82	128.5	41	2,440	MD-032-2-WR560-...
32	Thru-type coupling (female)	M 45 x 1.5"	V			32	70	16	82	103		2,140	MD-032-4-D3245-...
32	Thru-type coupling (female)	M 52 x 2"	III	S	38	32	70	22	82	109		2,200	MD-032-4-S3852-...
32	Thru-type coupling (female)	BSPP 1 1/2"	I				70	23	82	110		2,190	MD-032-4-WR048-...
32	Thru-type coupling (female)	BSPP 2"	I				70	26	82	113		2,390	MD-032-4-WR060-...
32	Thru-type coupling (female)	BSPP 1 1/2"	II				70	25	82	87		1,890	MD-032-4-WR548-...
32	Thru-type coupling (female)	BSPP 2"	II				70	27	82	87		1,700	MD-032-4-WR560-...
50	Self-sealing coupling (female)	M 65 x 2	V			49	100	18	112	159		5,460	MD-050-0-D4965-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]


Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
50	Self-sealing coupling (female)	M 52 x 2	III	L	42	36	100	16	112	158		5,410	MD-050-0-L4252-...-
50	Self-sealing coupling (female)	BSPP 2"	I				100	26	112	162		5,530	MD-050-0-WR060-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	I				100	30	112	164		5,540	MD-050-0-WR075-...-
50	Self-sealing coupling (female)	BSPP 2"	II				100	29	112	158		6,140	MD-050-0-WR560-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	II				100	33	112	167		5,930	MD-050-0-WR575-...-
50	Thru-type adaptor (male)	M 65 x 2	V			49	85	18	92	93	50	1,550	MD-050-1-D4965-..
50	Thru-type adaptor (male)	M 52 x 2	III	L	42	36	85	16	92	91	50	1,510	MD-050-1-L4252-..
50	Thru-type adaptor (male)	BSPP 2"	I				85	26	92	92	50	1,660	MD-050-1-WR060-..
50	Thru-type adaptor (male)	BSPP 2 1/2"	I				85	30	92	96	50	1,720	MD-050-1-WR075-..
50	Thru-type adaptor (male)	BSPP 2"	II				85	29	92	86	50	1,930	MD-050-1-WR560-..
50	Thru-type adaptor (male)	BSPP 2 1/2"	II				85	33	92	89	50	1,580	MD-050-1-WR575-..
50	Self-sealing adaptor (male)	M 65 x 2	V			49	100	18	112	159	50	4,940	MD-050-2-D4965-...-
50	Self-sealing adaptor (male)	M 52 x 2	III	L	42	36	100	16	112	158	50	4,890	MD-050-2-L4252-...-
50	Self-sealing adaptor (male)	BSPP 2"	I				100	26	112	162	50	5,010	MD-050-2-WR060-...-
50	Self-sealing adaptor (male)	BSPP 2 1/2"	I				100	30	112	164	50	5,020	MD-050-2-WR075-...-
50	Self-sealing adaptor (male)	BSPP 2"	II				100	29	112	158	50	5,620	MD-050-2-WR560-...-
50	Self-sealing adaptor (male)	BSPP 2 1/2"	II				100	33	112	167	50	5,410	MD-050-2-WR575-...-
50	Thru-type coupling (female)	M 65 x 2	V			49	100	18	112	125.5		3,980	MD-050-4-D4965-...-
50	Thru-type coupling (female)	M 52 x 2	III	L	42	36	100	16	112	122		3,920	MD-050-4-L4252-...-
50	Thru-type coupling (female)	BSPP 2"	I				100	26	112	132.5		4,090	MD-050-4-WR060-...-
50	Thru-type coupling (female)	BSPP 2 1/2"	I				100	30	112	137.5		4,340	MD-050-4-WR075-...-
50	Thru-type coupling (female)	BSPP 2 1/2"	II				100	33	112	112		4,100	MD-050-4-WR575-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Series SG

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
6	1,00	0.73	14.28	10.43	50.61	36.94	250 / 3,625

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

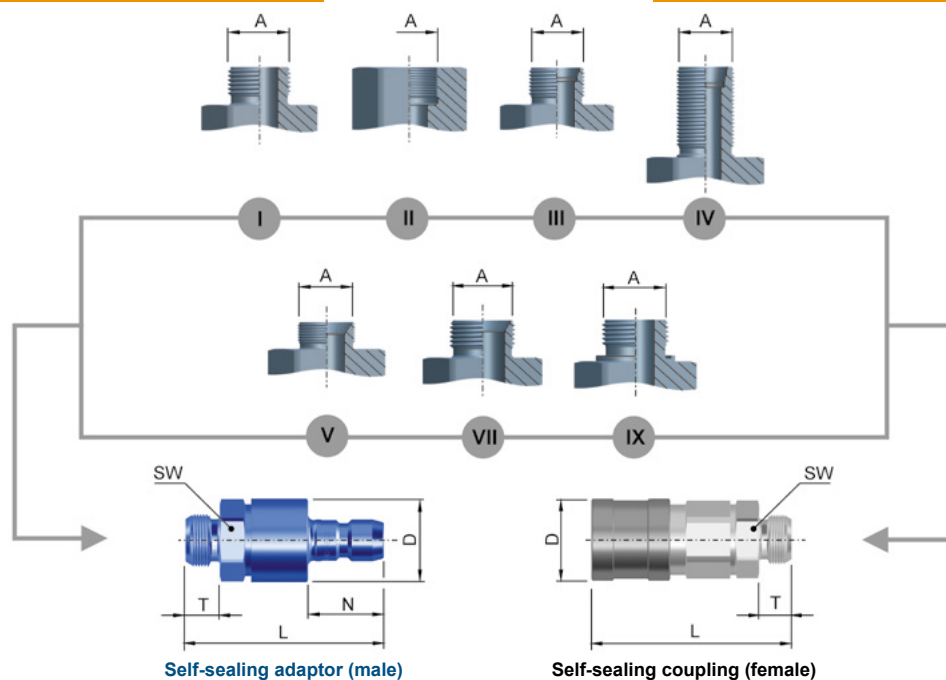
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀ To view the **performance diagram**
please click here.

To view the **connection description** ▶▶
please click here.



Series SG

Product design features

Intended use: Slimline medium pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

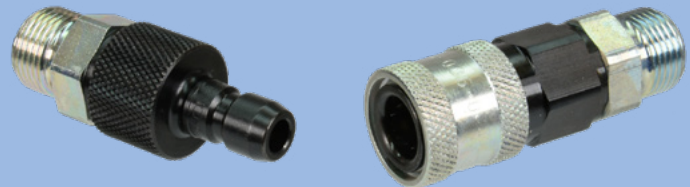
Properties	Materials	Seals	Additional options
Outside diameter of NB 6: 22 mm	19 = Steel zinc plated, partially oil burnished Through type adaptor 12 = Oil-burnished steel Optional 13 = Steel chemically nickel plated	1 = NBR 2 = FKM 4 = EPDM	OV = Without valve

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

Order number configuration

SG-006-0-D0614-Material-Seal-Additional options-Y./-Z..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 14 x 1.5	V			6	19	10	22	57		90	SG-006-0-D0614-...-
6	Self-sealing coupling (female)	M 12 x 1.5	III	L	6	4	19	10	22	57		85	SG-006-0-L0612-...-
6	Self-sealing coupling (female)	M14 x 1.5	III	L	8	6	19	10	22	57		85	SG-006-0-L0814-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	L	10	8	19	11	22	58		90	SG-006-0-L1016-...-
6	Self-sealing coupling (female)	M 18 x 1.5	III	L	12	10	19	11	22	58		90	SG-006-0-L1218-...-
6	Self-sealing coupling (female)	M 14 x 1.5	IV	L	8	6	19	32	22	79		110	SG-006-0-LV008-...-
6	Self-sealing coupling (female)	M 16 x 1.5	III	S	8	4	19	12	22	59		90	SG-006-0-S0816-...-

NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] **Weight** [g]

Series SG

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	19	12	22	59		95	SG-006-0-S1018-...-
6	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	22	12	22	59		100	SG-006-0-S1220-...-
6	Self-sealing coupling (female)	BSPP 1/4"	VII			6	19	11	22	58		90	SG-006-0-VR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	VII			6	19	12	22	59		95	SG-006-0-VR017-...-
6	Self-sealing coupling (female)	BSPP 3/8"	IX				27	12	22	64		130	SG-006-0-WE017-...-
6	Self-sealing coupling (female)	BSPP 1/4"	I				19	11	22	58		90	SG-006-0-WR013-...-
6	Self-sealing coupling (female)	BSPP 3/8"	I				19	12	22	59		95	SG-006-0-WR017-...-
6	Self-sealing coupling (female)	BSPP 1/2"	I				22	15	22	62		120	SG-006-0-WR021-...-
6	Self-sealing coupling (female)	BSPP 1/4"	II				19	13	22	57		95	SG-006-0-WR513-...-
6	Self-sealing coupling (female)	BSPP 3/8"	II				22	14	22	58		100	SG-006-0-WR517-...-
6	Self-sealing coupling (female)	M 16 x 1.5	IV	L	10	8	19	32	22	79		120	SG-006-0-XX211-...-
6	Thru-type adaptor (male)	BSPP 1/8 "	I			4	14	8	15.5	34	20	23	SG-006-1-WR010-..
6	Thru-type adaptor (male)	BSPP 1/4 "	I				14	11	19.6	37	20	26	SG-006-1-WR013-..
6	Thru-type adaptor (male)	BSPP 3/8 "	I				19	12	21.9	38	20	37	SG-006-1-WR017-..
6	Thru-type adaptor (male)	BSPP 1/4"	II				17	13	19.6	36	20	26	SG-006-1-WR513-..
6	Thru-type adaptor (male)	BSPP 3/8"	II				22	14	24	37	20	40	SG-006-1-WR517-..
6	Self-sealing adaptor (male)	M 14 x 1.5	V			6	19	10	22	55	20	70	SG-006-2-D0614-...-
6	Self-sealing adaptor (male)	M 12 x 1.5	III	L	6	4	19	10	22	55	20	70	SG-006-2-L0612-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	III	L	8	6	19	10	22	55	20	70	SG-006-2-L0814-...-
6	Self-sealing adaptor (male)	M 16 x 1.6	III	L	10	8	19	11	22	56	20	75	SG-006-2-L1016-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	L	12	10	19	11	22	56	20	75	SG-006-2-L1218-...-
6	Self-sealing adaptor (male)	M 14 x 1.5	IV	L	8	6	19	32	22	77	20	90	SG-006-2-LV008-...-

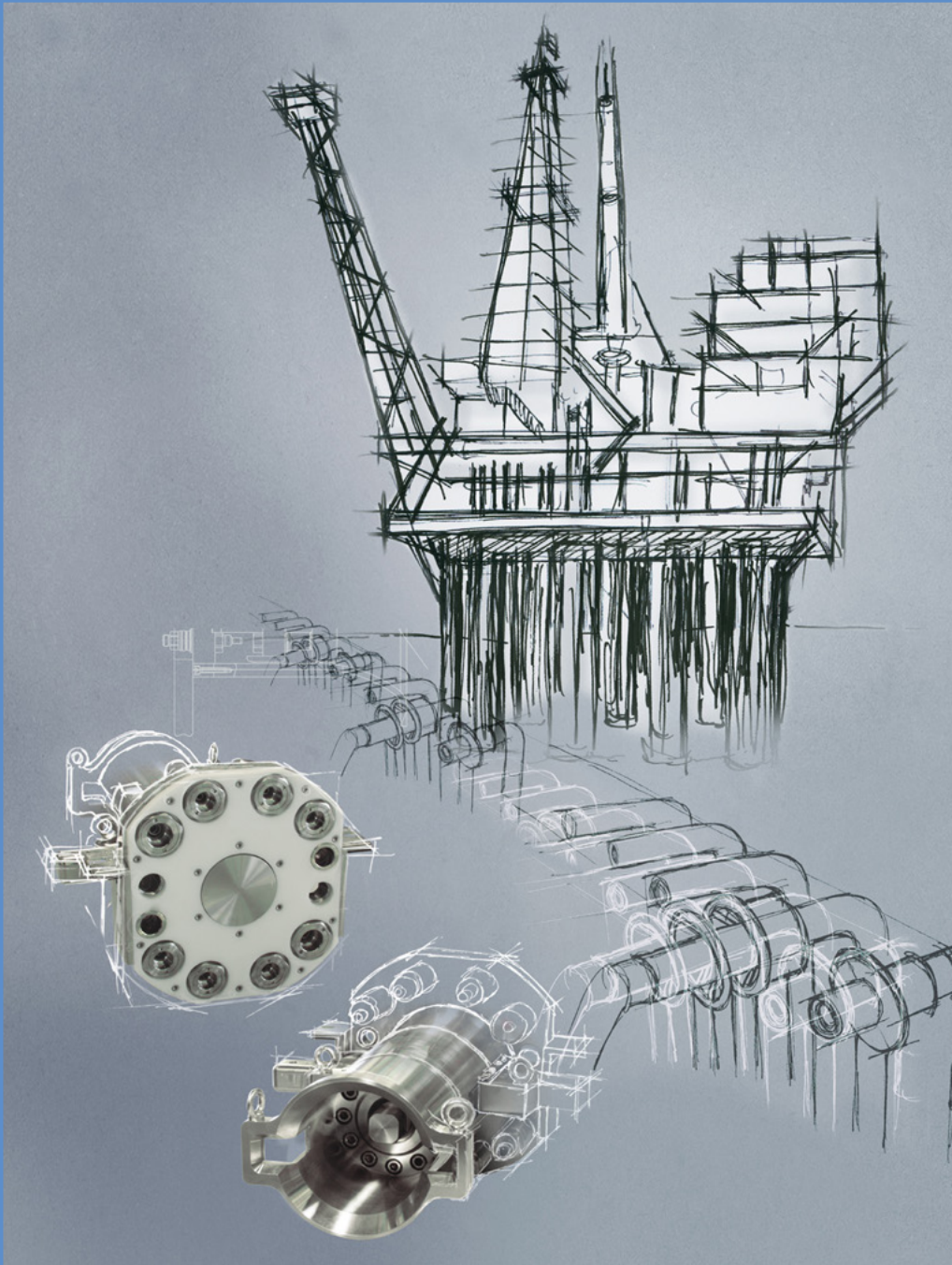
NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Series SG

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing adaptor (male)	M 16 x 1.5	III	S	8	4	19	12	22	57	20	75	SG-006-2-S0816-...-
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	19	12	22	57	20	80	SG-006-2-S1018-...-
6	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	22	12	22	57	20	85	SG-006-2-S1220-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	VII			6	19	11	22	56	20	70	SG-006-2-VR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	VII			6	19	12	22	57	20	75	SG-006-2-VR017-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	IX				27	12	22	62	20	110	SG-006-2-WE017-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	I				19	11	22	56	20	70	SG-006-2-WR013-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	I				19	12	22	57	20	75	SG-006-2-WR017-...-
6	Self-sealing adaptor (male)	BSPP 1/2"	I				22	15	22	60	20	100	SG-006-2-WR021-...-
6	Self-sealing adaptor (male)	BSPP 1/4"	II				19	13	22	55	20	75	SG-006-2-WR513-...-
6	Self-sealing adaptor (male)	BSPP 3/8"	II				22	14	22	56	20	80	SG-006-2-WR517-...-
6	Self-sealing adaptor (male)	M 16 x 1.5	IV	L	10	8	19	32	22	77	20	100	SG-006-2-XX211-...-

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



The highest pressures require the highest quality, since the potential for danger in applications in the field of high pressure hydraulics or high pressure gas applications is enormous due to the corresponding energy density. Sturdy, thousandfold-proven valve technology with a robust design distinguishes our high pressure fittings that often reach exceptionally long service life even under the harshest of environments. Ring valves and low-leakage clean break valves are utilized for high pulsation applications as well as pointed valves for standard applications.

Quick coupling systems up to 2,000 bar / 29,000 psi

Series Finder

Clean break valve designs marked in green

Typical applications	Features + options	Maximum permissible static pressure* [bar / psi]	Standard temperature** [°C]	Series	Page
High pressure hydraulic mechanical and plant engineering	Flat-face, pressure relief valve (-Z11) from nominal bore 12; dirt-protected locking sleeve (-Z12)	650 / 9,430	-15 to +130	HC	134
High pressure hydraulic mechanical and plant engineering, offshore	Ring valve recommended for high pulsating pressures, seawater-resistant stainless steels, non-interchangeable version, axial safety locking device	2,000 / 29,000	-30 to +200	HP 	138

* The max. permissible static pressure depends on the chosen technical version.

** The suitability for temperature depends on the medium, operating pressure and the quick coupling materials used.

We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000



tk@walther-praezision.de



Series HC

Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Steel coupled
6		0.61		8.71		30.87	650 / 9,430
8		1.47		20.99		74.39	600 / 8,700
12		2.93		41.85		148.28	600 / 8,700
16		5.03		71.84		254.55	600 / 8,700
20		7.37		105.26		372.97	600 / 8,700

One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20 °C. Please inquire about other temperature ranges.

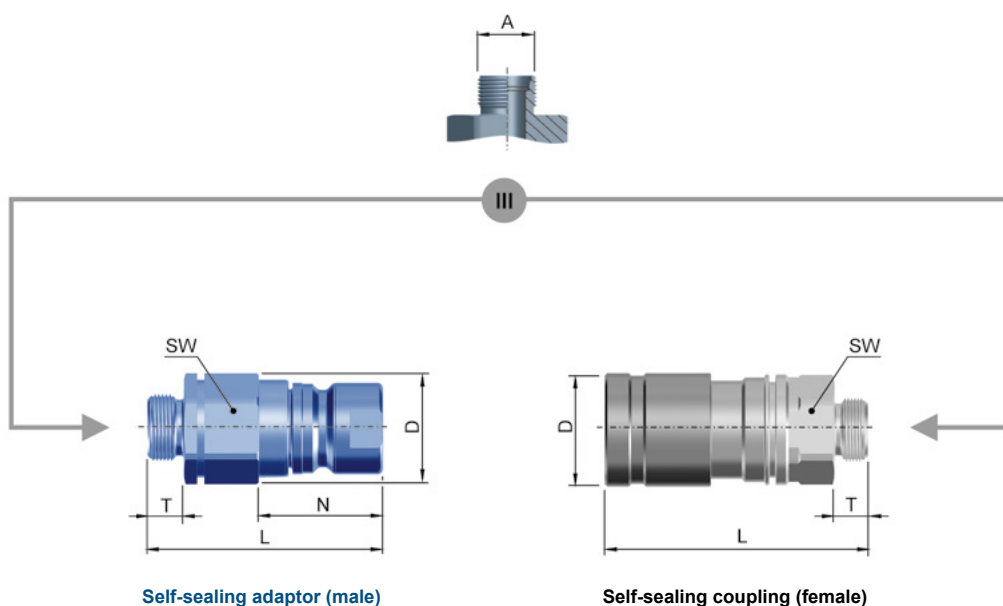
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRAZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRAZISION directly.

◀◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.



Series HC

Product design features

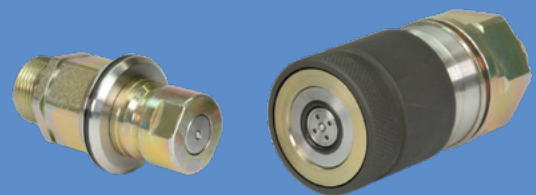
Intended use: Robust high pressure clean break quick coupling system in flat-face design for the transmission of fluid media in an industrial / commercial environment.

Properties	WEDISO	Additional options
- Low leakage volume during disconnection - Automatic locking (One-hand operation) - Non-Squirting - Minimal air inclusion when connecting - Full operating pressure even while disconnected - Flat surfaces for easy cleaning	Material Zinc-plated steel, yellow chromated steel, stainless steel Locking sleeve: phosphated black = WEDISO → all self-sealing couplings AABA, all self-sealing adaptors AABB Special seals suitable for pressurized liquids on mineral oil basis, HFA- and HFB-liquids Optional Complete stainless-steel version (p max. permissible, static: 325 bar)	Z10 = Base version Z11 = Pressure relief valve Additional options for harsh environments: Z12 = Additional dirt protection Z13 = Z11 + Z12 Z15 = Z13 + additional dirt sleeve

Order number configuration

HC-G06-0-S1018-WEDISO-Additional options-Y../-Z..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	27	12	34	98.8		455	HC-G06-0-S1018-....-Z10
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	27	12	30.1	69	23.4	177	HC-G06-2-S1018-....-Z10
8	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	32	12	42.4	104.8		660	HC-G08-0-S1220-....-Z10
8	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	27	12	30.1	69.2	26.8	220	HC-G08-2-S1220-....-Z10

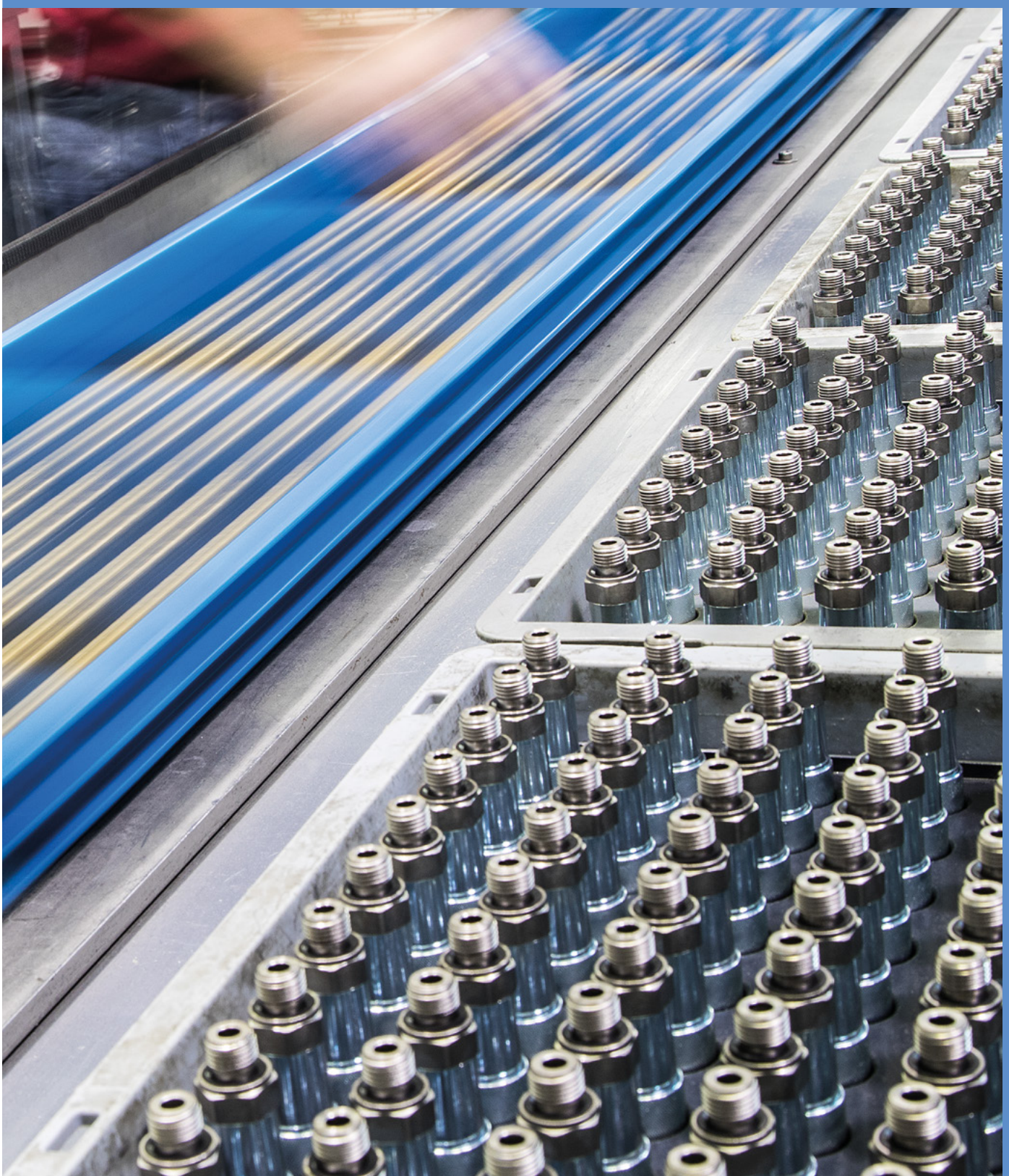
NB - Nominal bore [mm] **A** - Connection **SW** - Wrench size [mm] **T** - Thread length [mm] **D** - Diameter [mm] **L** - Length [mm] **N** - Adaptor length [mm] Weight [g]

Series HC

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
12	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	41	14	47.2	102.6		818	HC-G12-0-S1624-.....Z10
12	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	30	14	33.5	74.2	28.5	251	HC-G12-2-S1624-.....Z10
16	Self-sealing coupling (female)	M 30 x 2	III	S	20	16	50	16	57.8	112.4		1,406	HC-G16-0-S2030-.....Z10
16	Self-sealing adaptor (male)	M 30 x 2	III	S	20	16	41	16	45.6	80.4	31	487	HC-G16-2-S2030-.....Z10
20	Self-sealing coupling (female)	M 36 x 2	III	S	25	20	50	18	63.2	145.6		2,005	HC-G20-0-S2536-.....Z10
20	Self-sealing adaptor (male)	M 36 x 2	III	S	25	20	46	18	51.2	111.5	36	909	HC-G20-2-S2536-.....Z10

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar/15 psi		Q [m³/h] air 6 bar abs / 87psia, 20 °C, Δp = 1 bar/15 psi		p max. permissible static [bar / psi]		
	EA	BA	EA	BA	EA	BA	Steel	Stainless steel	Stainless steel 1.4404/1.4571 with 1.4418 QT900*
							coupled	coupled	coupled
4	0.40	0.20	5.71	3.43	20.24	12.15	2,000 / 29,000**	520 / 7,540	1,000 / 14,500
6	1.00	0.70	14.28	9.28	50.61	32.89	1,000 / 14,500	345 / 5,000	690 / 10,000
10	2.50	1.90	35.70	27.13	126.52	96.15	600 / 8,700	345 / 5,000	520 / 7,540
16	8.10	5.50	115.68	78.55	409.92	278.34	500 / 7,250	250 / 3,625	450 / 6,530
20	13.00	8.50	185.65	121.39	657.89	430.16	400 / 5,800	210 / 3,045	350 / 5,080
32	29.40	23.80	419.86	339.89	1,487.84	1,204.44	300 / 4,350	210 / 3,045	250 / 3,625
50		65.00		928.27		3,289.44	200 / 2,900		

Sealing on one side (EA); sealing on both sides (BA). The pressure specifications apply at a temperature of 20 °C. Other temperature ranges on request.

* For seawater-resistant versions the material 1.4418 can be replaced with S 20910 / 1.3964. Special designs for 1000 bar / 15.000 psi or 690 bar / 10.000 psi up to NW16. ** 3,000 bar / 43,500 psi optional.

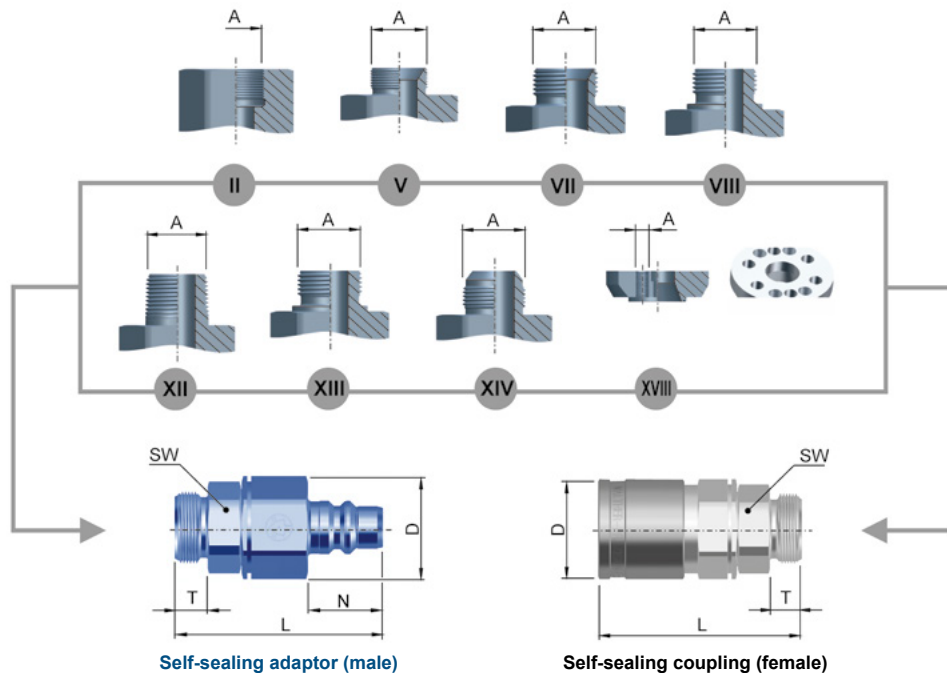
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Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly.

◀◀ To view the performance diagram
please click here.

To view the connection description ▶▶▶
please click here.





Product design features

Intended use: High pressure quick coupling system for a wide range of applications, for the transmission of fluid or gaseous media in an industrial / commercial environment.

Properties	Werkstoffe	Dichtungen	Zusatzausstattungen
- Vibration protection - Suitable for a very high number of load cycles (up to 1 million) - Higher pressure version on request Also available in breakaway applications.	12 = Steel oil burnished Optional 01 = Stainless steel 1.4404/1.4571 or similar 13 = Steel chemically nickel plated W1 = 1.4404/1.4571, Self-sealing adaptor-forepart 1.4418 QT900	1 = NBR 2 = FKM Optional 4 = EPDM (not for 12 = oil-burnished steel) FFKM	From HP-006 optional: OV* = Without valve SI** = Additional axial safety locking device RV = With ring valve (Cannot be coupled with standard valves) Recommended for high pulsating pressures and harsh operating conditions HP-020 GG = With ring grips Ø 130 (aluminium cast) HP-032 GG = With ring grips Ø 190 (aluminium cast) HP-050 GG = With ring grips Ø 220 (aluminium cast)

* HP-004-2-...-OV not connectable with HP-004-0-...

**HP-006: SI – Outside diameter 38 mm HP-010: SI – Outside diameter 50 mm HP-016: SI – Outside diameter 62 mm
HP-020: SI – Outside diameter 68 mm HP-032: SI – Outside diameter 96 mm

Note: For Type HP-010, Type 12-010 is the second non-interchangeable version available.
Suitable protection elements can be found in this catalogue from p. 180.

Attention: GG and SI cannot be combined = Special version - please enquire
Self-sealing coupling + OV ≙ Product type Thru-type coupling; Self-sealing adaptor + OV ≙ Product type Thru-type adaptor

Order number configuration

HP-004-0-NP013-Material-Seal-Additional options-Y../-Z..

Product chart



NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
4	Self-sealing coupling (female)	NPT 1/4"	XII				22	14	30	71.5		220	HP-004-0-NP013-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
4	Self-sealing coupling (female)	NPT 1/4"	XIII				22	14	30	68.5		230	HP-004-0-NP513-...
4	Self-sealing coupling (female)	BSPP 1/4 A with 60° sealing cone	VII			2	22	12	30	69.5		220	HP-004-0-XX001-...
4	Self-sealing coupling (female)	UNF 9/16 with 58° sealing cone	XIV			2	22	18	30	75.5		220	HP-004-0-XX002-...
4	Thru-type adaptor (male)	UNF 9/16 with 58° sealing cone	XIV			2	17	18	18.9	51	25.5	45	HP-004-1-XX002-..
4	Self-sealing adaptor (male)	NPT 1/4"	XII				22	14	30	71.5	25.5	160	HP-004-2-NP013-...
4	Self-sealing adaptor (male)	NPT 1/4"	XIII				22	14	30	68.5	25.5	170	HP-004-2-NP513-...
4	Self-sealing adaptor (male)	BSPP 1/4 A with 60° sealing cone	VII			2	22	12	30	69.5	25.5	160	HP-004-2-XX001-...
4	Self-sealing adaptor (male)	UNF 9/16 with 58° sealing cone	XIV			2	22	18	30	75.5	25.5	160	HP-004-2-XX002-...
6	Self-sealing coupling (female)	M 14 x 1.5	V			6	30	10	34	75.5		300	HP-006-0-D0614-...
6	Self-sealing coupling (female)	M 16 x 1.5	V			8	30	11	34	76.5		300	HP-006-0-D0816-...
6	Self-sealing coupling (female)	NPT 3/8"	XII			6	30	15	34	80.5		260	HP-006-0-NP017-...
6	Self-sealing coupling (female)	NPT 3/8"	XIII			6	30	15	34	81.5		320	HP-006-0-NP517-...
6	Self-sealing coupling (female)	M 16 x 1.5	III	S	8	4	30	12	34	77.5		320	HP-006-0-S0816-...
6	Self-sealing coupling (female)	M 18 x 1.5	III	S	10	6	30	12	34	77.5		310	HP-006-0-S1018-...
6	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	30	12	34	77.5		330	HP-006-0-S1220-...
6	Self-sealing coupling (female)	BSPP 3/8"	VII			6	30	12	34	77.5		250	HP-006-0-VR017-...
6	Self-sealing coupling (female)	BSPP 3/8"	VIII			6	30	12	34	80		320	HP-006-0-WB017-...
6	Self-sealing coupling (female)	BSPP 3/8"	II			6	30	15	34	75		350	HP-006-0-WR517-...
6	Thru-type adaptor (male)	BSPP 3/8"	VIII			6	22	12	25	54	30.5	70	HP-006-1-WB017-..
6	Self sealing adaptor (male)	M 14 x 1.5	V			6	30	10	34	75.5	30.5	190	HP-006-2-D0614-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
6	Self-sealing adaptor (male)	M 16 x 1.5	V			8	30	11	34	76.5	30.5	190	HP-006-2-D0816-...
6	Self-sealing adaptor (male)	NPT 3/8"	XII			6	30	15	34	80.5	30.5	220	HP-006-2-NP017-...
6	Self-sealing adaptor (male)	NPT 3/8"	XIII			6	30	15	34	81.5	30.5	240	HP-006-2-NP517-...
6	Self-sealing adaptor (male)	M 16 x 1.5	III	S	8	4	30	12	34	77.5	30.5	210	HP-006-2-S0816-...
6	Self-sealing adaptor (male)	M 18 x 1.5	III	S	10	6	30	12	34	77.5	30.5	200	HP-006-2-S1018-...
6	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	30	12	34	77.5	30.5	220	HP-006-2-S1220-...
6	Self-sealing adaptor (male)	BSPP 3/8"	VII			6	30	12	34	77.5	30.5	210	HP-006-2-VR017-...
6	Self-sealing adaptor (male)	BSPP 3/8"	VIII			6	30	12	34	80	30.5	210	HP-006-2-WB017-...
6	Self-sealing adaptor (male)	BSPP 3/8"	II			6	30	15	34	75	30.5	270	HP-006-2-WR517-...
10	Self-sealing coupling (female)	M 18 x 1.5	V			10	41	11	46	91.5		670	HP-010-0-D1018-...
10	Self-sealing coupling (female)	M 22 x 1.5	V			12	41	12	46	92.5		670	HP-010-0-D1222-...
10	Self-sealing coupling (female)	NPT 1/2"	XIII			10	41	18	46	100.5		850	HP-010-0-NP521-...
10	Self-sealing coupling (female)	M 20 x 1.5	III	S	12	8	41	12	46	92.5		670	HP-010-0-S1220-...
10	Self-sealing coupling (female)	M 22 x 1.5	III	S	14	10	41	14	46	94.5		670	HP-010-0-S1422-...
10	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	41	14	46	94.5		680	HP-010-0-S1624-...
10	Self-sealing coupling (female)	BSPP 1/2"	VII			10	41	15	46	95.5		680	HP-010-0-VR021-...
10	Self-sealing coupling (female)	BSPP 1/2"	VIII			10	41	17	46	97.5		690	HP-010-0-WB021-...
10	Self-sealing coupling (female)	BSPP 1/2"	II			10	41	17	46	96.5		840	HP-010-0-WR521-...
10	Thru-type adaptor (male)	BSPP 1/2"	VIII			10	27	17	30	63	36	130	HP-010-1-WB021-..
10	Self-sealing adaptor (male)	M 18 x 1.5	V			10	41	11	46	91.5	36	450	HP-010-2-D1018-...
10	Self-sealing adaptor (male)	M 22 x 1.5	V			12	41	12	46	92.5	36	450	HP-010-2-D1222-...
10	Self-sealing adaptor (male)	NPT 1/2"	XIII			18	41	18	46	100.5	36	630	HP-010-2-NP521-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
10	Self-sealing adaptor (male)	M 20 x 1.5	III	S	12	8	41	12	46	92.5	36	460	HP-010-2-S1220-...
10	Self-sealing adaptor (male)	M 22 x 1.5	III	S	14	10	41	14	46	94.5	36	460	HP-010-2-S1422-...
10	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	41	14	46	94.5	36	470	HP-010-2-S1624-...
10	Self-sealing adaptor (male)	BSPP 1/2"	VII			10	41	15	46	95.5	36	460	HP-010-2-VR021-...
10	Self-sealing adaptor (male)	BSPP 1/2"	VIII			10	41	17	46	97.5	36	470	HP-010-2-WB021-...
10	Self-sealing adaptor (male)	BSPP 1/2"	II			10	41	17	46	96.5	36	620	HP-010-2-WR521-...
16	Self-sealing coupling (female)	M 22 x 1.5	V			12	46	12	56	108.5		1,110	HP-016-0-D1222-...
16	Self-sealing coupling (female)	M 24 x 1.5	III	S	16	12	46	14	56	110.5		1,120	HP-016-0-S1624-...
16	Self sealing coupling (female)	M 30 x 2	III	S	20	16	46	16	56	112.5		1,140	HP-016-0-S2030-...
16	Self-sealing coupling (female)	BSPP 3/4"	VII			16	46	17	56	113.5		1,130	HP-016-0-VR026-...
16	Self-sealing coupling (female)	BSPP 3/4"	VIII			16	46	19	56	115.5		1,140	HP-016-0-WB026-...
16	Self-sealing coupling (female)	BSPP 3/4"	II			16	46	19	56	110.5		1,360	HP-016-0-WR526-...
16	Thru-type adaptor (male)	BSPP 3/4"	VIII			12	36	19	41	72	41	250	HP-016-1-WB026-...
16	Self-sealing adaptor (male)	M 22 x 1.5	V			12	46	12	56	107.5	41	760	HP-016-2-D1222-...
16	Self-sealing adaptor (male)	M 24 x 1.5	III	S	16	12	46	14	56	109.5	41	770	HP-016-2-S1624-...
16	Self-sealing adaptor (male)	M 30 x 2	III	S	20	16	46	16	56	111.5	41	790	HP-016-2-S2030-...
16	Self-sealing adaptor (male)	BSPP 3/4"	VII			16	46	17	56	112.5	41	780	HP-016-2-VR026-...
16	Self-sealing adaptor (male)	BSPP 3/4"	VIII			16	46	19	56	114.5	41	790	HP-016-2-WB026-...
16	Self-sealing adaptor (male)	BSPP 3/4"	II			16	46	19	56	109.5	41	1,000	HP-016-2-WR526-...
20	Self-sealing coupling (female)	M 26 x 1.5	V			15	55	12	62	110.5		1,400	HP-020-0-D1526-...
20	Self-sealing coupling (female)	M 30 x 1.5	V			19	55	14	62	112.5		1,410	HP-020-0-D1930-...
20	Self-sealing coupling (female)	M 36 x 2	III	S	25	20	55	18	62	116.5		1,440	HP-020-0-S2536-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Product chart

NB	Product type	A	De- sign	Ran- ge	Pipe AD	Pipe ID	SW	T	D	L	N	Weight Steel	Material-neutral part number
20	Self-sealing coupling (female)	BSPP 1"	VII			20	55	20	62	118.5		1,450	HP-020-0-VR033-...
20	Self-sealing coupling (female)	BSPP 1"	VIII			20	55	21	62	119.5		1,450	HP-020-0-WB033-...
20	Self-sealing coupling (female)	BSPP 1"	II			20	55	23	62	123		1,720	HP-020-0-WR533-...
20	Thru-type adaptor (male)	BSPP 1"	VIII			20	41	21	45	74	43	310	HP-020-1-WB033-...
20	Self-sealing adaptor (male)	M 26 x 1.5	V			15	55	12	62	110.5	43	1,030	HP-020-2-D1526-...
20	Self-sealing adaptor (male)	M 30 x 1.5	V			19	55	14	62	112.5	43	1,040	HP-020-2-D1930-...
20	Self-sealing adaptor (male)	M 36 x 2	III	S	25	20	55	18	62	116.5	43	1,060	HP-020-2-S2536-...
20	Self-sealing adaptor (male)	BSPP 1"	VII			20	55	20	62	118.5	43	1,070	HP-020-2-VR033-...
20	Self-sealing adaptor (male)	BSPP 1"	VIII			20	55	21	62	119.5	43	1,070	HP-020-2-WB033-...
20	Self-sealing adaptor (male)	BSPP 1"	II			20	55	23	62	123	43	1,340	HP-020-2-WR533-...
32	Self-sealing coupling (female)	M 38 x 2	V			25	80	14	90	133.5		3,690	HP-032-0-D2538-...
32	Self-sealing coupling (female)	M 45 x 1.5	V			32	80	16	90	135.5		3,680	HP-032-0-D3245-...
32	Self-sealing coupling (female)	M 52 x 2	III	S	38	32	80	22	90	141.5		3,790	HP-032-0-S3852-...
32	Self-sealing coupling (female)	BSPP 1 1/2"	VIII			32	80	25	90	144.5		3,790	HP-032-0-WB048-...
32	Thru-type adaptor (male)	BSPP 1 1/2"	VIII			32	55	25	61.5	90.5	49.5	690	HP-032-1-WB048-...
32	Thru-type adaptor (male)	BSPP 2"	VIII			32	75	27	86	92.5	49.5	1,190	HP-032-1-WB060-...
32	Self-sealing adaptor (male)	M 38 x 1.5	V			25	80	14	90	133	49.5	2,630	HP-032-2-D2538-...
32	Self-sealing adaptor (male)	M 45 x 1.5	V			32	80	16	90	135	49.5	2,620	HP-032-2-D3245-...
32	Self-sealing adaptor (male)	M 52 x 2	III	S	38	32	80	22	90	141	49.5	2,730	HP-032-2-S3852-...
32	Self-sealing adaptor (male)	BSPP 1 1/2"	VIII			32	80	25	90	144	49.5	2,740	HP-032-2-WB048-...
50	Self-sealing coupling (female)	SAE-flange	XVIII		65	50			150	219		15,300	HP-050-0-XX007-...
50	Self-sealing adaptor (male)	SAE-flange	XVIII		65	50			150	217.5	87.5	11,400	HP-050-2-XX007-...

NB - Nominal bore [mm] A - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



Our tailor-made systems are used wherever unusual requirements for quick coupling systems are presented, such as temperatures (-273°C up to +310°C), purity grades (SIP or CIP capability), special media (steam, lacquers, glues, medical gases, alkalis and acids), information technology (indicators or "proximity", RFID), where customers want to use their existing cavities, for emergency release units, and much more.

We develop quick coupling systems - specifically for you!

Tailor-made quick coupling systems

Product Finder

Clean break valve designs marked in green

Typical applications	Features + options	Maximum permissible static pressure* [bar / psi]	Standard temperature** [°C]	Product	Page
Lacquer coupling	For synthetic resin-, nitro- and water-based paints and lacquers, Byonet latching	140 / 2,030	+10 to +40	03-005	146
Breathing air, protection masks	With pull-off safety device, automatic locking (one-hand operation), ATEX-compliant	23 / 333	-30 to +150	04-005	146
Water supply for dialysis filter	Color coding for inlet outlet identification	6 / 87	+10 to +40	22-006	147
Sterile applications	CIP/SIP, for sample collection, FDA compliant, with automatic locking	16 / 232	+20 to +130	33-005	147
Subassembly elements for hydraulics and emulsion	For direct incorporation into customer cavities	240 / 3,480	-15 to +200	57 / 85	148
Medical gas supply	Different closures depending on the profiles of gas, to international standards	35 / 508	+10 to +40	89-006	148
High-temperature / high pressure chemistry	Stainless steel with special seals	350 / 5,075	+250	DD	149
Optical non-interchangeability	Colour coding			Various series	149
Fuelling, chemistry, steel industry	Non-destructive emergency release			Various series	150
Chemistry, fuelling, loading	RFID technology			Various series	150
Refueling system for gaseous hydrogen	Heat-insulated outer shell, according to SAE J2600 and SAE J2799	875 / 12,690	-40 to +85	HG	151
Offshore	Quick coupling systems / screw systems / installation elements and more	690 / 10,000	-15 to +200	Various series	151
Steam cleaning, sterilisation	All seals made of PTFE	40 / 580	-196 to +250	TE	152
Cryogenics, low-temperature	With catch-locking, specifically for liquefied gases	16 / 232	-196 to +80	TT	152
Quick connect coupling	With automatic locking, replacement for screwed connection	250 / 3,625	-20 to +200	WK	153

* The max. permissible static pressure depends on the chosen technical version.

** The suitability for temperature depends on the medium, operating pressure and the quick coupling materials used.

We would be happy to provide you with support and advice. Please contact us:



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Tailor-made quick coupling systems

Lacquer coupling Type 03-005

Description:

Suitable for synthetic resins, nitrocellulose and water soluble lacquers in paint shops, paint, lacquer and solvent processing companies, the automotive industry, the furniture industry, machine and apparatus construction, handcraft and repair shops

Advantages:

Easy to clean, robust coupling with self-closing ball valve and bayonet locking, free of lacquer flow disturbing substances

Options:

Various connection types, optionally also available as high pressure version up to 200 bar / 2,900 psi

Construction:

Material combinations of stainless steel, brass or chemically nickel-plated steel

Seal: Polyamide (PA)



Breathing air coupling Type 04-005

Description:

For breathing air applications in various sectors, e.g., on fire service respirators, in dust-polluted environments, in laboratories and research institutes, or for diver equipment.

Advantages:

One side sealing coupling unit with automatic locking and integrated automatic pull-off safety device.

Disconnection is only possible by pressing in the thru-type adaptor into the coupling housing while simultaneously pulling back the locking sleeve (safety feature against unintentional disconnection), grip beads facilitate handling with gloves.

Options:

Different end connection types, non-interchangeable variants (coding), ATEX compliant, FDA compliant

Construction:

Material: Stainless steel 1.4404/1.4571 or equivalent or chromium-plated brass

Seal: EPDM



Tailor-made quick coupling systems



Dialysis coupling Type 22-006

Description:

Suitable for safe and easy-to-use filter change on dialysis machines or for the simple implementation of work processes (cleaning procedures)

Advantages:

Long-lasting and easy-to-clean design, FDA compliant, can be connected with internationally standardised adaptors

Options:

Different colour marking possible (flow and return flow) integrated connected/disconnected request options available

Construction:

Material: Polypropylene (PP), Polyvinylidene fluoride (PVDF), partly with stainless steel

Seal: EPDM and FKM / VQM, FDA compliant



Sterile coupling Type 33-005

Description:

Suitable for sampling, supply, transfer of various highly sensitive liquids and process gases in the food and pharmaceutical industries

Advantages:

CIP (Cleaning-In-Place) / SIP (Sterilization-In-Place) -capable quick coupling systems with almost dead-space-free internal design, also suitable for process media in the pharmaceutical industry

Options:

One side and both sides closing versions, different connection types (welding connection, tri-clamp, ...), special version with flushing function, FDA compliant

Construction:

Material: Stainless steel 1.4404, 1.4539, special materials on request

Seal: EPDM or FFKM

Tailor-made quick coupling systems

Clean break installation elements Series 57 and Series 85

Description:

For clamping hydraulics, blow-off air, cooling lubricant emulsions etc. and for installation in customer-specific cavities; specially adapted to the requirements of machine tools, versatile installation options due to high centre-deviation tolerance during connection and in space-saving construction

Advantages:

Compensation of customer misalignments by integral, high, centre and angular deviation tolerances, low-leakage valve technology, non-squirting, high coupling frequency possible, applicable for differential pressures up to 40 bar / 580 psi, compact and robust construction

Options:

Special materials on request

Construction:

Material: Burnished or chemically nickel-plated steel, stainless steel 1.4104

Seal: FKM

Note: Residual leakage quantities or coupling input volumes on request



Medical gas supply Type 89-006

Description:

For medical gas supply in hospitals, wards, medical practices. Self-sealing coupling and thru-type adaptor with 45° hose outlet according to German, French, British and other standards

Advantages:

Solid metallic construction, elegant, various standards (DIN, BS, AFNOR, and many more), FDA compliant materials, free of oil and grease (FF)

Options:

Non-interchangeable variants for O₂, air, vacuum, N₂O, CO₂, angled adaptor optional with venting check valve, antibacterial version

Construction:

Material: Nickel-plated brass, stainless steel, hard-coated aluminium

Seal: EPDM



Tailor-made quick coupling systems



Clean break high pressure and high temperature coupling Series DD

Description:

Designed for use in high-temperature chemistry, for high-temperature hydraulic applications, for synthesis processes and for special areas of petrochemistry and - depending on the nominal bore - for operating pressures up to 350 bar / 5,075 psi

Advantages:

Applicable for critical gases and liquids up to 250°C, especially when combined with high pressures and high temperatures

Options:

Different connection types, unlocking safety device ST, ring grips (from NB 16 mm), ATEX compliant

Construction:

Material: Stainless steel 1.4404/1.4571 or higher

Seal: FFKM



Colour coding of coupling systems

Description:

Color coding can be an advantage in the differentiation of different line systems. Accordingly, both the coupling and adaptor ends can be supplied with a corresponding color code. However, this does not completely prevent any potential confusion. We therefore strongly advise the use of mechanical coding (such as series UF)!

Advantages:

Optical coding of different lines reduces the frequency of errors and resulting costs.

Options:

Ideally supplemented with mechanical coding that absolutely rules out any confusion!

Construction:

Available in assorted variants for different series

Tailor-made quick coupling systems

Emergency release couplings

Description:

Emergency release couplings (sometimes also referred to as breakaway couplings) disconnect fully automatically and non-destructively once a defined separation force has been exceeded. The valves close automatically immediately upon separation and prevent the medium from leaking out of the separated line segments. Separation without a traction cable: Unanticipated tractive forces that occur are routed through a hose onto the locking/unlocking sleeve designed for this purpose. Separation via a separate traction cable: Unanticipated tractive forces that occur are routed to the locking/unlocking sleeve via a traction cable that runs parallel to the hose.

Advantages:

Significant reduction in risks to people and the environment, non-destructive (operational again immediately after use), tailored to the relevant customer situation in terms of nominal bore, valve technology and version

Emergency release technology can be also adapted for your choice of multi-coupling.



Special versions with RFID

Description:

Almost all variants of Walther quick coupling systems can be combined with innovative Radio Frequency Identification (RFID) technology. This allows data from one part of the coupling point to be transmitted wirelessly to the other parts of the coupling point.

Advantages:

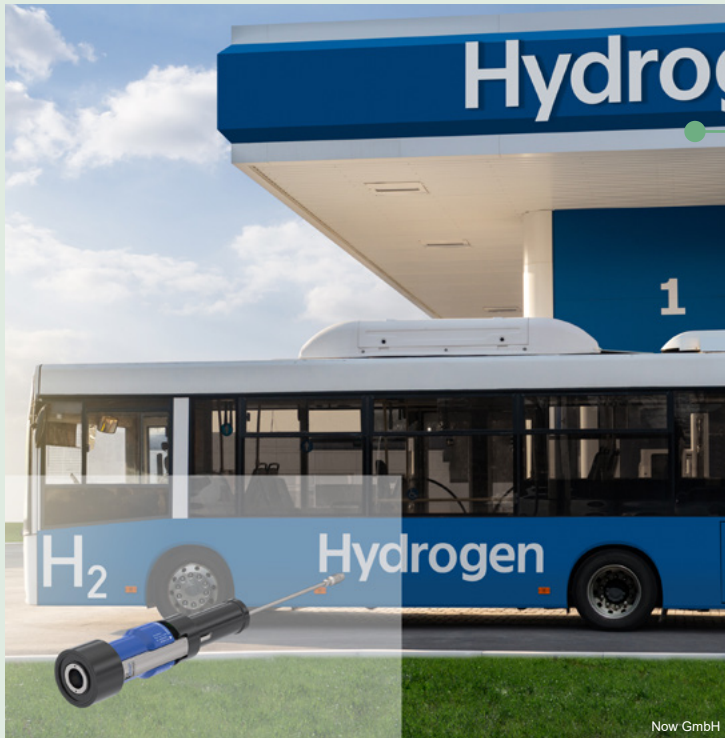
The wireless connection enables a direct connection to be established with the plant control system. No additional energy supply is needed for the transponder side to achieve this (supply via antenna). Both retrieval and storage of data can be carried out on the transponder. This opens up completely new horizons of the plant control system and documentation.

Construction:

Different material and design versions depending on the coupling type



Tailor-made quick coupling systems



Hydrogen refueling systems with validated emergency release - series HG

Description:

The high pressure refueling systems have been developed for refueling vehicles of all types with gaseous hydrogen up to an operating pressure of 875 bar (700 bar technology).

Advantages:

Maximum safety due to validated emergency release (Breakaway). Suitable for ULTRA COLD FILL (Gas temperature -40 °C), pressure-active axial safety locking device, easy and reliable operation due to push-pull technology, robust electro plugs for transmitting infra-red signals.

Options:

Different end connection types, pressure levels, hose lengths available for a CE compliant complete system consisting of a high pressure refueling adaptor, high pressure coupling, emergency release coupling (Breakaway) and hose line.

Version:

Material: stainless steel, insulator made of special plastic

Sealing: Special sealing technology



Offshore - proven quick coupling systems

Description:

Extensive range of quick couplings, screw-type connection systems, installation elements and multi-couplings - diver-operated or ROV-actuated

Pressure- and type-dependent advantages:

Long service life, easy operation and proven - configurable in multiple ways and thus optimized for the application: Connecting and disconnection possible under pressure, redundant sealing with metallic gaskets, blind coupling possible due to special ergonomic construction, easy handling due to low torque

Tailor-made quick coupling systems

High temperature coupling Series TE

Description:

For the highest stresses; robust, both sides self-sealing quick connect (self-sealing) coupling for extreme temperatures/media (-50°C to + 250°C) in the low pressure range (max. 100 bar, depending on the nominal bore and material version). Also suitable for steam up to 250°C and nitrogen down to -196°C.

Advantages:

Different connection types available, durable thanks to special sealing technology, resistant to aggressive media, e.g. non-squirting

Options:

Temperature-protected ring grips - marked in red, special elastomer-steam hose design (with venting feature) avoids the "popcorn effect"

Construction:

Material: Chemically nickel-plated steel, brass, stainless steel 1.4404/1.4571 or equivalent

Seal: PTFE



Low temperature coupling Series TT

Description:

For cryogenic applications at low temperatures down to -196°C (e.g. for liquid nitrogen) in the low pressure range (up to 16 bar / 232 psi)

Advantages:

Non-squirting, ergonomic simple handling due to automatic locking by means of catch locking, free of oil and grease (FF), robust and durable

Options:

Available with self-venting valve (VE), dust caps and plugs

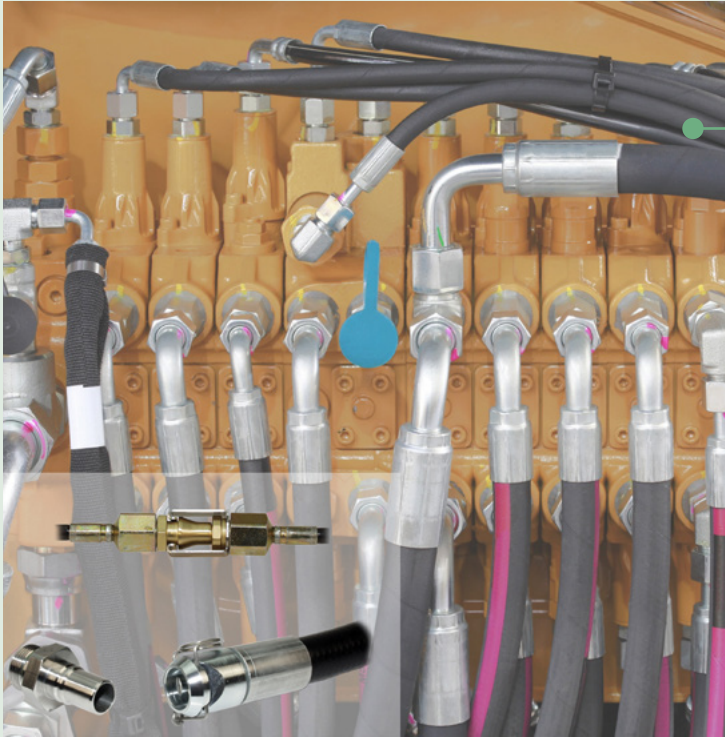
Construction:

Material: Stainless steel, brass, plastic

Seal: PTFE



Tailor-made quick coupling systems



Quick assembly coupling Series **WK**

Description:

For the easy connection of fluidic lines, especially in hard-to-reach areas, viable alternative to conventional screw connections

Advantages:

Faster, more efficient and secure connection of fluidic lines

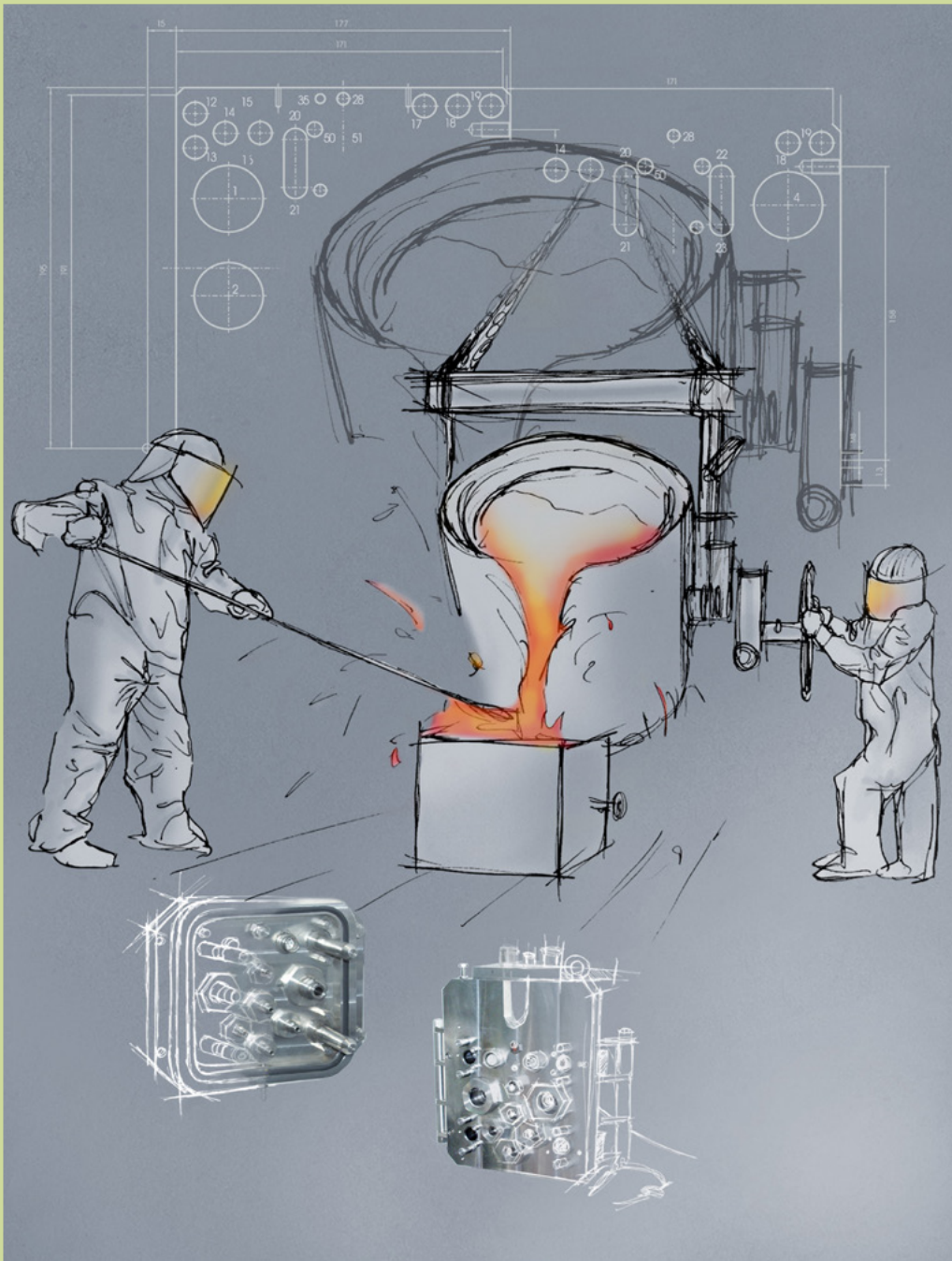
Options:

Clear passage or one side or both sides closing, for low and medium pressure applications (up to 250 bar / 3,625 psi)

Construction:

Material: Galvanised steel, brass, hard-coated aluminium

Seal: NBR, FKM



As soon as many different lines need to be connected together quickly, precisely and safely (and also non-interchangeably), multi-couplings (manually operable) or docking systems (power assisted operation) are the first choice. Elements for a variety of media and pressure ranges can be combined on the customised plates - increasingly often with electric control and power lines including information transfer (bus systems, fibre optic cables, etc.).

Multi-couplings, docking systems and tool changing systems

Multi-couplings for manual operation

Modular system Fluidic	156
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Docking systems for automatic operation

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Tool changing systems for robots

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Parking station / accessories	163

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Multi-couplings for manual operation

Multi-coupling in housing design

The modular and highly flexible configurable plug system is used for quick and simple connection and separation of pneumatic compressed air and/or electric signal lines. For cooling lines, a both sides self-sealing clean break coupling element is available. The robust design with housing allows for use even in harsh environments.



Modular system Fluidic

Multi-coupling in compact design with central lock

A bundle of compressed air piping is quickly, simply and non-interchangeably interconnected in a compact design. The mechanical coupling process takes place centrally via an automatically engaging lock located in the centre of the plate.



Customer-specific configurable solutions

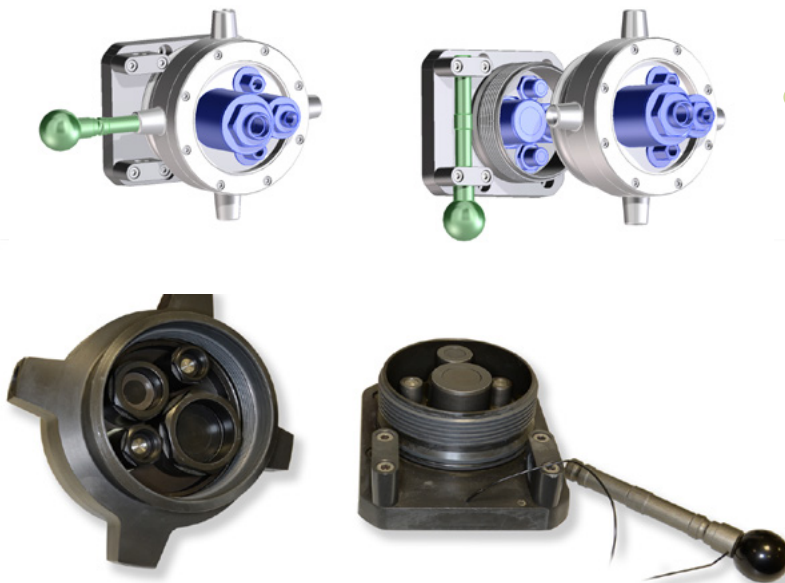
Multi-couplings for manual operation



Multi-coupling available with simple handles and decentralised locking elements

A wide variety of fluidic media are quickly, simply and non-interchangeably combined in a compact design. The coupling process takes place centrally via the carrier plate. The decentralised, mechanical locks absorb the reaction forces of the coupling elements. This design generally requires an unpressurised coupling and uncoupling process. Additional mechanical coding is possible.

Customer-specific configurable solutions



Multi-coupling available in plate construction with screw lock

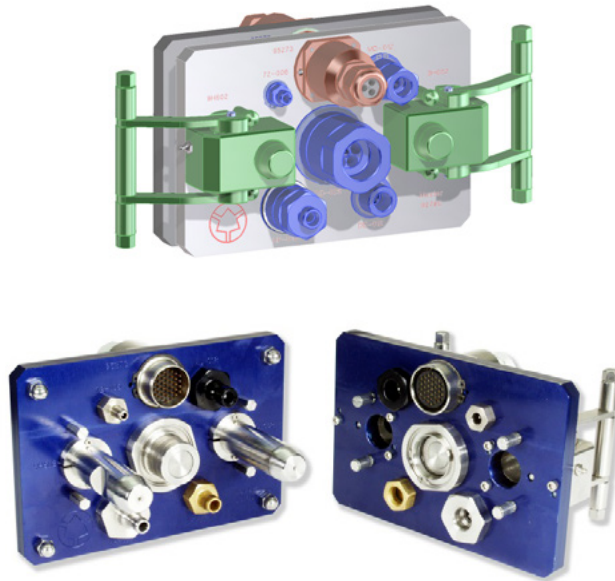
In manual multi-couplings with a screw lock, locking can take place mechanically via one or several screws arranged on the plate. It is nonetheless also possible to integrate an external screw sleeve connection in the case of a compact multi-coupling design.

Customer-specific configurable solutions

Multi-couplings for manual operation

Multi-coupling available with power-assisted lever lock with / without unlocking assistance

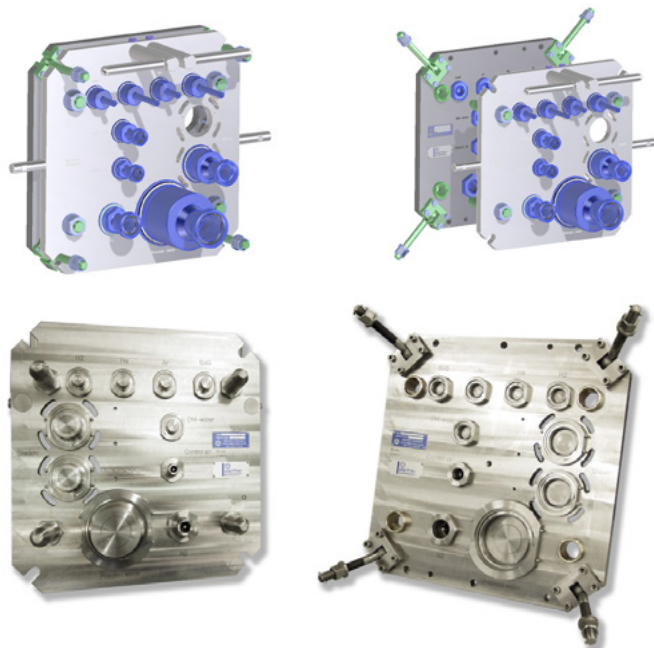
Manual multi-couplings with a manual lever lock are generally couplings developed individually according to customer needs for all media and parameters. A wide variety of couplings are available, up to nominal bore 25 and electro plugs. Options such as mechanical coding, sensor scanning of the connection status, parking halves and protection covers are also available. To simplify the separation process, the use of an unlocking assistance is possible.



Customer-specific configurable solutions

Multi-coupling available in plate construction with a swinging bolt lock

The manual multi-coupling with a swinging bolt lock is a special screw lock variant. This type of screw lock has proven itself in adverse conditions such as in the offshore industry.



Customer-specific configurable solutions

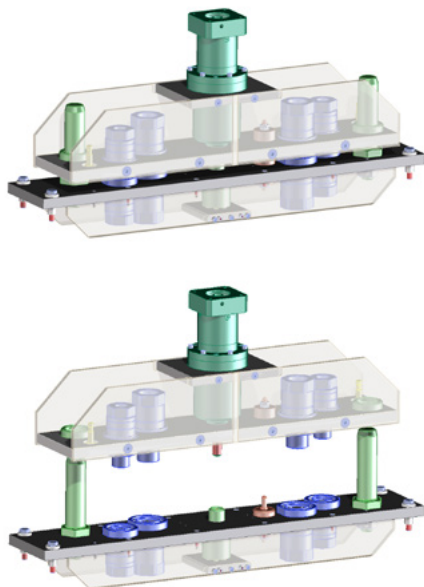
Docking systems for automatic operation



Customer-specific configurable solutions

Power-assisted docking systems without a feed unit

Existing on-site motion sequences can be used for the coupling process in automation. Robust plate designs are chosen for this reason. Deviations in the feed movement must nonetheless be compensated for using suitable guidance and centering devices. A wide variety of coupling and electrical elements can also be combined with this design. The absorption of reaction forces of individual coupling elements takes place in the plant.



Customer-specific configurable solutions

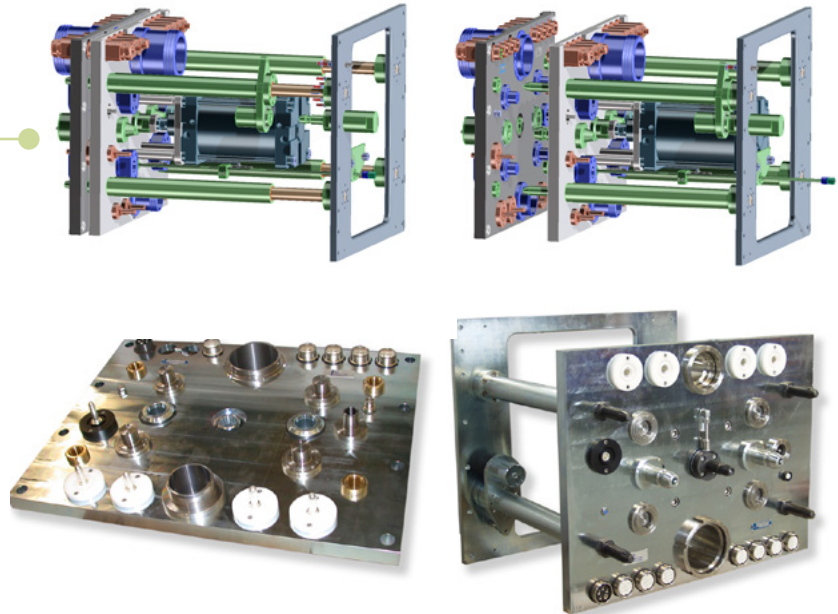
Automatically operated docking systems with spindle drive

When motion sequences in automation need to be controlled very precisely, docking systems are equipped with a spindle drive. The spindle can be driven servo-pneumatically, hydraulically or electrically. Depending on the type of spindle, the reaction forces can be absorbed by the spindle itself or by separate mechanical locks. A wide variety of coupling elements can also be combined with this design.

Docking systems for automatic operation

Automatically operated docking systems with feeding technique

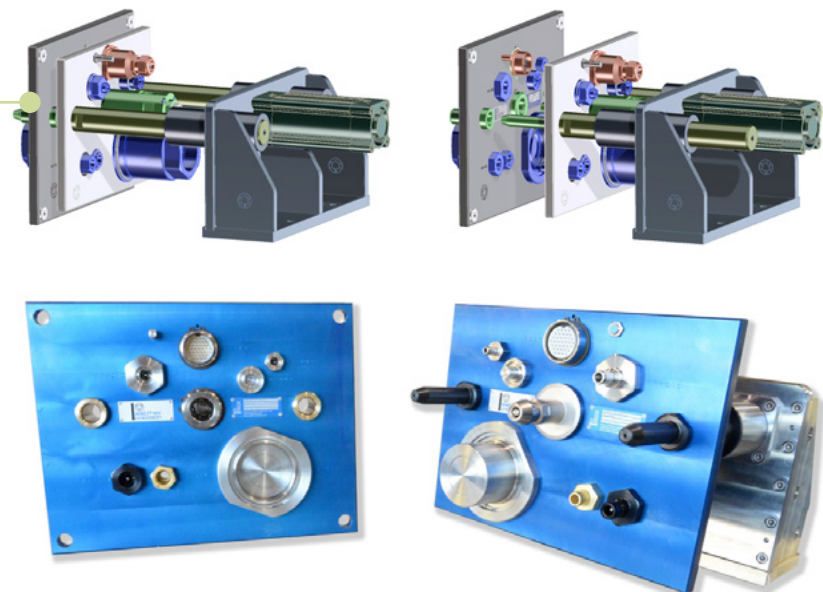
If the coupling and separating forces of a separately-powered docking system become too large and the on-site plant peripherals are unable to absorb these, docking systems with a special feeding technique are available. This means that only the dead weight and docking force of the feed unit affect the plant peripherals. A wide variety of coupling and electrical elements can also be combined with this design. Mechanical locks are used in the case of enhanced reaction forces in order to hold the plates together under full pressure loads.



Customer-specific configurable solutions

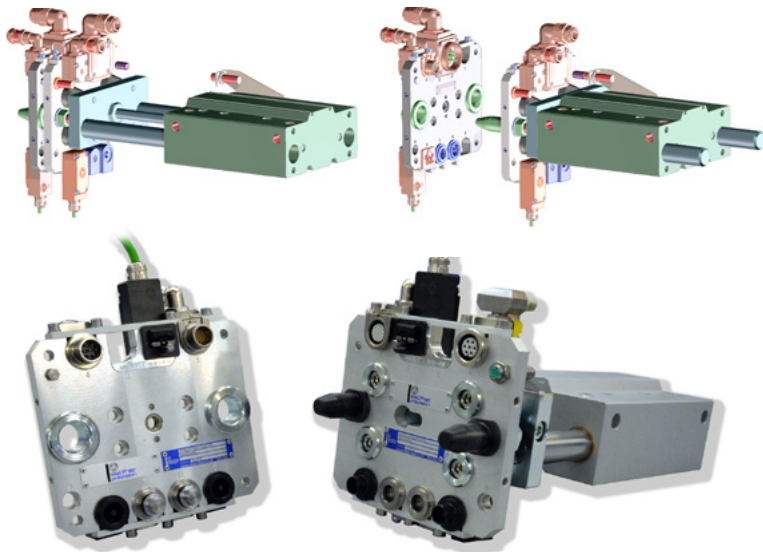
Automatically operated docking systems with a feed unit

When motion sequences of the existing plant peripherals cannot be relied upon during automation, the docking systems must be equipped with their own drives. Pneumatic or hydraulic cylinders or electric servomotors are generally used for this purpose. A wide variety of coupling and electrical elements can be combined even with such a design. Additional mechanical locks, which hold the plates together under full pressure loads, can be considered in the case of enhanced reaction forces. To integrate such a docking system into the control process of a customer plant, proximity switches can be provided to query the status of the coupling.



Customer-specific configurable solutions

Docking systems for automatic operation



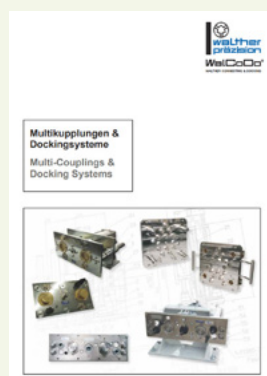
Modular construction system

Docking systems for flexible media transfer

With the progressive automation of production processes, the simultaneous and safe combination of different media such as compressed air, vacuum, cooling water and electrical connections for line current and signal data is becoming increasingly necessary.

WALTHER has developed a multi-coupling system available in different sizes for a wide variety of applications that is flexibly and modularly applicable and configurable based on a modular design.

Different plate sizes can combine the desired media quickly and non-interchangeably with or without a feed unit. Our system meets the applicable regulations of the automotive industry for the supply of clamping frames, rotary tables and for GeoSkid applications as well as automation tasks in mechanical and plant engineering.



Tool changing systems for robots

Robot and tool sides - TOOLmaster TM 500, TM 800, TM 1000

Tool changers are perfectly adapted to the requirements of modern industrial robots and highly efficient production cells. Our robots equipped with changers are capable of fulfilling different work tasks without a manual set-up time and of ensuring the maximum process safety with redundant tool concepts.

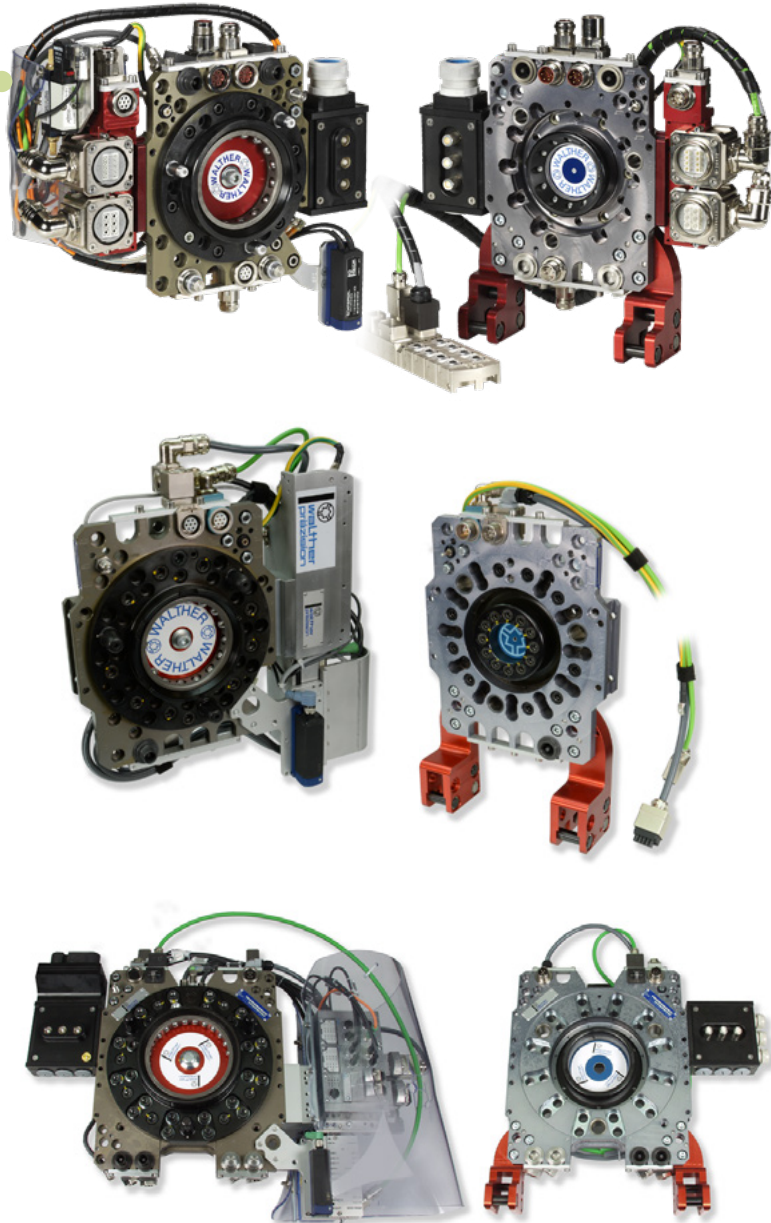
The modular design guarantees the realisation of individual customer requirements. Applications exist in the automotive industry, as well as in other sectors. The changer can be optionally equipped with different electrical or fluidic elements depending on the intended use. For applications with an elevated load capacity, TOOLmaster 800 and/or 1000 are available.

Thanks to a modular design, a diverse range of add-on elements to the TOOLmaster 500 are available.

- Static load capacity 25 kN - 60 kN
- Safety system 1 or 2 channels
- Max. height 96 mm coupled
- Change repetition accuracy of 0.03 mm
- Change cycle < 2.5 s

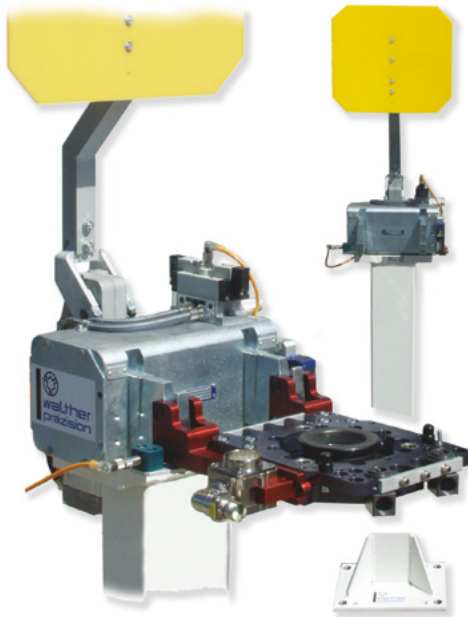
Installation and start-up

Optional set-up devices are available for safely putting system components into service and perfectly calibrating the system. In addition, WALTHER service technicians are available for support as needed for commissioning, training employees or providing consultation in the event of changes to customer systems / retooling activities.



Modular robot and tool interface

Tool changing systems for robots

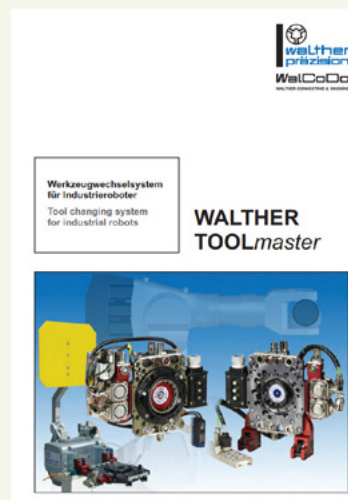


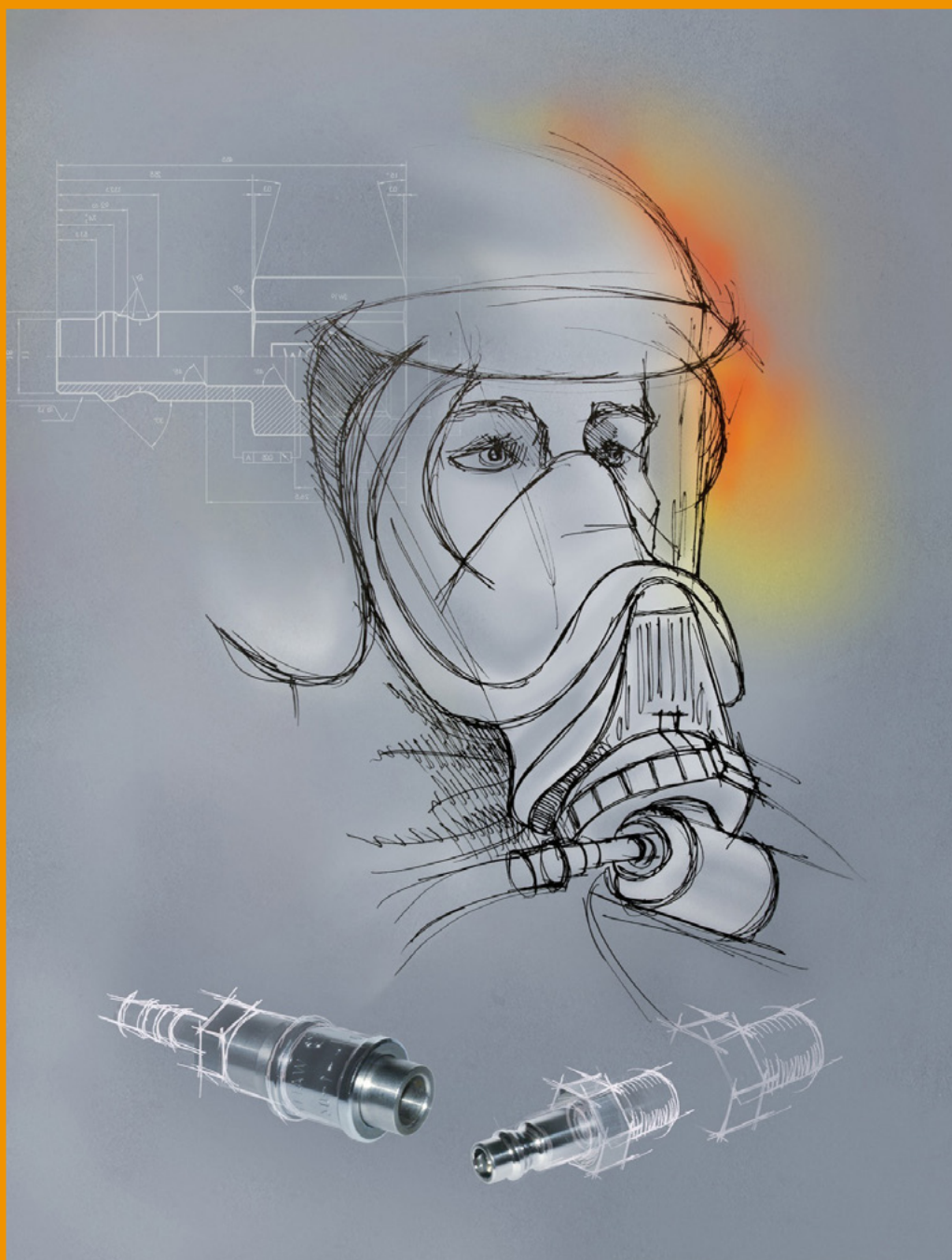
Parking station / accessories

Tool parking stations for TOOLmaster TM 500, TM 800, TM 1000

Various tool parking stations are available for a wide variety of TOOLmaster toolsets that allow for quick and safe tool parking. Just like the tool changer, the tool parking station is constructed modularly and can be assembled from individual components according to customer specifications.

- Equalisation tolerance of the tool holder ± 0.5 mm
- Cover protects parked tools from dirt ingress (such a welding spatter)
- Initiators monitor the position of the cover and tool in the parking station
- Horizontal and vertical parking
- Different stand heights
- Double or individual parking





Diverse accessories such as protection elements in simple or pressure-tight designs, airguns, manifolds and hose lines complement our range and partly ensure the increased longevity of our high-quality products!

Accessories

Connecting and reducing adaptors	166
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Compressed air - accessories	172
Multi-way manifolds	178
Protection elements	180
Pressure-tight protection elements	184
Universal protection elements	188

We would be happy to provide you with support and advice. Please contact us:



+49 (0) 2129 / 567-4000

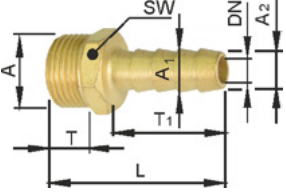
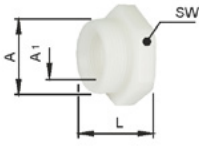
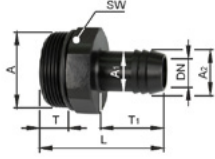


tk@walther-praezision.de



Connecting and reducing adaptors

Design chart

Design	Delivery	Technical features
B61		Connecting adaptor, material: passivated brass = 21 Optional Zinc-plated steel = 11 Permissible operating pressure 25 bar / 360 psi (at 20° C)
B62		Reducing connector, material: POM (polyacetal resin) white = 45 Optional POM grey = 40 Permissible operating pressure 12 bar / 175 psi (at 20° C)
B63		Connecting adaptor, material: POM (polyacetal resin) grey = 40 Optional POM black = 46 Permissible operating pressure 12 bar / 175 psi (at 20° C)

Adaptors for connecting to coupling systems, resp. customer-sided structures. When connecting, the proper alignment and the observance of the operating pressures shall be ensured, in consideration of the end connections.

Connecting and reducing adaptors

Order number configuration
5-AN-00-SL025-WR048-Material

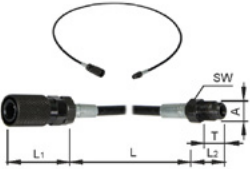
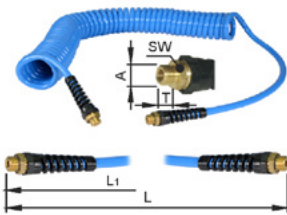
Product chart

Nominal bore NB	Design	A	A1	A2	L	SW	T	T1	Weight	Base material	Material-neutral part number
4	B61	BSPP 1/8"	6	7.5	38	11	8	25	10	Brass	5-AN-00-SL006-WR010-..
4	B61	BSPP 1/4"	6	7.5	39	14	9	25	15	Brass	5-AN-00-SL006-WR013-..
4	B61	BSPP 3/8"	6	7.5	39	17	9	25	21	Brass	5-AN-00-SL006-WR017-..
4	B61	BSPP 1/2"	6	7.5	42	22	11	25	32	Brass	5-AN-00-SL006-WR021-..
6	B61	BSPP 1/8"	8	9.5	38	11	8	25	12	Brass	5-AN-00-SL009-WR010-..
6	B61	BSPP 1/4"	8	9.5	39	14	9	25	19	Brass	5-AN-00-SL009-WR013-..
6	B61	BSPP 3/8"	8	9.5	39	17	9	25	24	Brass	5-AN-00-SL009-WR017-..
6	B61	BSPP 1/2"	8	9.5	42	22	11	25	34	Brass	5-AN-00-SL009-WR021-..
7	B61	BSPP 1/4"	10	11.5	39	14	9	25	22	Brass	5-AN-00-SL011-WR013-..
7	B61	BSPP 3/8"	10	11.5	39	17	9	25	27	Brass	5-AN-00-SL011-WR017-..
7	B61	BSPP 1/2"	10	11.5	42	22	11	25	39	Brass	5-AN-00-SL011-WR021-..
10	B61	BSPP 1/4"	13	14.5	44	17	9	30	30	Brass	5-AN-00-SL013-WR013-..
10	B61	BSPP 3/8"	13	14.2	44	17	9	30	29	Brass	5-AN-00-SL013-WR017-..
10	B61	BSPP 1/2"	13	14.2	47	22	11	30	40	Brass	5-AN-00-SL013-WR021-..
12	B61	BSPP 1/2"	16	17.5	47	22	11	30	50	Brass	5-AN-00-SL016-WR021-..
25	B62	BSPP 1 1/2"	G 1		30.5	60	18		73	POM white	5-AN-00-XX008-WR533-..
8	B63	BSPP 1/2"	13	14	52.5	24	14.5	30	10	POM	5-AN-00-SL013-WR021-..
19	B63	BSPP 1 1/2"	25	27	78	50	18	45	63	POM	5-AN-00-SL025-WR048-..
22	B63	BSPP 1 1/2"	32	34	77	50	18	44	101	POM	5-AN-00-SL032-WR048-..
32	B63	BSPP 1 1/2"	42	45	94	50	18	61	99	POM	5-AN-00-SL042-XX004-..

Nominal bore NB [mm] A - Connection A1 - Connection [mm] A2 - Connection [mm] L - Length [mm] SW - Wrench size [mm] T / T1 - Thread length [mm] Weight [g]

Pre-assembled hose lines

Design chart

Design	Delivery	Technical features
B41		Hydraulic high pressure set of hose, completely assembled Version: self-sealing coupling 02-003-0 + hose + self-sealing adaptor 02-003-2
B42		Hydraulic high pressure set of hose, completely assembled Version: self-sealing coupling 02-003-0 + hose + connection (see table)
B43		Hydraulic high pressure set of hose, completely assembled Version: self-sealing adaptor 02-003-2 + hose + connection (see table)
B44		WALPRESTA polyurethane spiral hoses are available in nominal bores of 6.5 to 11 mm and in lengths of 4.5 to 10 m. They combine the reliability of our compressed air couplings with the special properties of the high-grade polyurethane of the spiral hose. • High flow rate at permissible operating pressures of up to 10 bar (at room temperature) • Large operating range with a low space requirement due to a small coil diameter • Elastic, flexible and bend-resistant due to the use of special polyurethane and bend protection • High abrasion, pressure and wear resistance • Extremely durable recoil force of the spiral • Completely silicone-free; contains no plasticizers or heavy metals; benzene-, oil- and antifreeze-resistant • Straight outgoing feeders 100 and 500 mm

Pre-assembled hose lines

Features chart

Properties	Materials	Seals	Additional options
- B41 only usable with both sides self-sealing	95020 / 95021 Hose: PA = Polyamide End connection: 12 = Steel oil burnished SW Hose: PU = Polyurethane End connection: Brass Optional 95020 / 95021 End connection: 13 = Steel chemically nickel plated	1 = NBR 2 = FKM 4 = EPDM Optional FFKM	On request (see pages 19-20)

The integrated coupling fittings type 02-003 with the technical details can be found in the section Mini-couplings up to 500 bar.

Order number configuration

95020-0-LG020-Material-Seal-Additional options

Product chart

Nominal bore NB	Design	A	L	L1	L2	SW	T	Weight	Base material	Material-neutral part number
2.5	B41	02-003-2	200	38	37.5			75	Polyamid / steel	95021-0-LG020-...-
2.5	B41	02-003-2	400	38	37.5			80	Polyamid / steel	95021-0-LG040-...-
2.5	B41	02-003-2	630	38	37.5			80	Polyamid / steel	95021-0-LG063-...-
2.5	B41	02-003-2	800	38	37.5			85	Polyamid / steel	95021-0-LG080-...-
2.5	B41	02-003-2	1,000	38	37.5			90	Polyamid / steel	95021-0-LG100-...-

Nominal bore NB [mm] A - Connection L/L1/L2- Length [mm] SW - Wrench size [mm] T - Thread length [mm] Weight [g]

Pre-assembled hose lines

Product chart

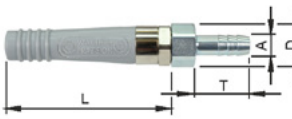
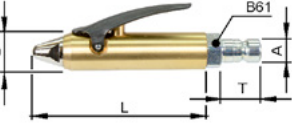
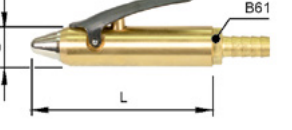
Nominal bore NB	Design	A	L	L1	L2	SW	T	Weight	Base material	Material-neutral part number
2.5	B42	M 10 x 1	200	38	19	11	11	60	Polyamid / steel	95020-0-LG020-...-
2.5	B42	M 10 x 1	400	38	19	11	11	65	Polyamid / steel	95020-0-LG040-...-
2.5	B42	M 10 x 1	630	38	19	11	11	65	Polyamid / steel	95020-0-LG063-...-
2.5	B42	M 10 x 1	800	38	19	11	11	70	Polyamid / steel	95020-0-LG080-...-
2.5	B42	M 10 x 1	1,000	38	19	11	11	75	Polyamid / steel	95020-0-LG100-...-
2.5	B43	M 10 x 1	200	37.5	19	11	11	44	Polyamid / steel	95020-2-LG020-...-
2.5	B43	M 10 x 1	400	37.5	19	11	11	48	Polyamid / steel	95020-2-LG040-...-
2.5	B43	M 10 x 1	630	37.5	19	11	11	50	Polyamid / steel	95020-2-LG063-...-
2.5	B43	M 10 x 1	800	37.5	19	11	11	55	Polyamid / steel	95020-2-LG080-...-
2.5	B43	M 10 x 1	1,000	37.5	19	11	11	60	Polyamid / steel	95020-2-LG100-...-
6.5	B44	BSPP 1/4"	4,500	3,000		17	14	460	Polyurethane / Brass	SW-007-9-WR013-PU- -Z03
6.5	B44	BSPP 1/4"	7,500	6,000		17	14	650	Polyurethane / Brass	SW-007-9-WR013-PU- -Z06
8	B44	BSPP 3/8"	4,500	3,000		22	12	610	Polyurethane / Brass	SW-008-9-WR017-PU- -Z03
8	B44	BSPP 3/8"	7,500	6,000		22	12	980	Polyurethane / Brass	SW-008-9-WR017-PU- -Z06
8	B44	BSPP 3/8"	10,000	8,000		22	12	1,110	Polyurethane / Brass	SW-008-9-WR017-PU- -Z08
8.9	B44	BSPP 3/8"	4,500	3,000		22	12	630	Polyurethane / Brass	SW-009-9-WR017-PU- -Z03
8.9	B44	BSPP 3/8"	7,500	6,000		22	12	1,040	Polyurethane / Brass	SW-009-9-WR017-PU- -Z06
8.9	B44	BSPP 3/8"	10,000	8,000		22	12	1,220	Polyurethane / Brass	SW-009-9-WR017-PU- -Z08
8.9	B44	BSPP 1/2"	7,500	6,000		27	15	1,800	Polyurethane / Brass	SW-011-9-WR021-PU- -Z06

Nominal bore NB [mm] A - Connection L/L1/L2- Length [mm] SW - Wrench size [mm] T - Thread length [mm] Weight [g]



Compressed air - accessories

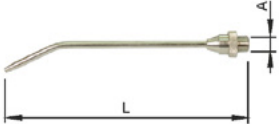
Design chart

Design	Delivery	Technical features
B51		Blast pipe, flexible with thru-type adaptor connection
B52		Blast pipe, flexible with hose connection
B53		Lever air blower with thru-type adaptor connection 2 mm nozzle bore. Other bore holes of 5 mm, 6 mm and 8 mm are available according to order details.
B54		Lever air blower with hose connection 2 mm nozzle bore. Other bore holes of 5 mm, 6 mm and 8 mm are available according to order details.
B55		Lever air blower with thru-type adaptor connection 2 mm nozzle bore. Other bore holes of 2.5 mm, 3 mm, 4 mm and 5 mm are available according to order details.
B56		Lever air blower with hose connection 2 mm nozzle bore. Other bore holes of 2.5 mm, 3 mm, 4 mm and 5 mm are available according to order details.

Pressurized air gun for blow-out and cleaning of manufacturing parts and machines. The ergonomic shape allows a simple cleaning, even places which are difficult to access. Several accessories available. The relevant Health and Safety Regulations (HSR) are to be observed and wearing an according safety equipment is required.

Compressed air - accessories

Design chart

Design	Delivery	Technical features
B569		Compressed air gun Connection: LP-006-1 • Light version • Quiet • Compressed air quantity easy to regulate
B57		Compressed air gun with nozzle bore 1.5 mm Connection: LP-006-1 or LP-007-1 • Robust and reliable • Quiet • Compressed air quantity easily dosed • Long service life
B58		Compressed air gun with nozzle bore 1.5 mm Hose connection of 6 mm - 13 mm • Robust and reliable • Quiet • Compressed air quantity easy to regulate • Long service life
B59		Air ejection tube compatible with B57 and B58 For targeted blowing out of hard-to-access places, air consumption like that of regular nozzles.
B510		Air nozzle compatible with B57 and B58 A conical air jacket is located around the blowing jet to prevent stirred up particles from bouncing back.
B511		Air nozzle compatible with B57 and B58 Muffling nozzles considerably reduce the noise level without lowering the blowing force. The air consumption is therefore about 50% higher than with the regular nozzle.

Pressurized air gun for blow-out and cleaning of manufacturing parts and machines. The ergonomic shape allows a simple cleaning, even places which are difficult to access. Several accessories available. The relevant Health and Safety Regulations (HSR) are to be observed and wearing an according safety equipment is required.

Compressed air - accessories

Design chart

Design	Delivery	Technical features
B512		Air nozzle compatible with B57 and B58 These nozzles increase the volume of blast air by 3- or 4-fold through air intake. The full jet is especially suitable for blowing off large areas (such as dry areas). The air consumption is about the same as with the muffling nozzle.
B513		Protective shield compatible with B57 and B58 70 mm Ø, made of plastic to protect the eyes from rebounding solid particles (trade association recommendation)

Pressurized air gun for blow-out and cleaning of manufacturing parts and machines. The ergonomic shape allows a simple cleaning, even places which are difficult to access. Several accessories available. The relevant Health and Safety Regulations (HSR) are to be observed and wearing an according safety equipment is required.

Compressed air - accessories

Product chart

Design	Material	A	D	L	T	Weight	Part number
B51	Soft PVC	LP-006-1	24	123	20	100	95000-9-ST006-74
B51	Soft PVC	LP-007-1	24	126.5	23.3	110	95000-9-ST007-74
B52	Soft PVC	9 mm	24	135	30	100	95000-9-SL009-74
B52	Soft PVC	11 mm	24	135	30	100	95000-9-SL011-74
B52	Soft PVC	13 mm	24	135	30	110	95000-9-SL013-74
B53	Polyamide	LP-006-1	33	143	20	180	95001-9-ST006-PA
B53	Polyamide	LP-007-1	33	146.5	23.3	190	95001-9-ST007-PA
B53	Polyamide	LP-012-1	33	152.5	29.5	220	95001-9-ST012-PA
B54	Polyamide	9 mm	33	153	30	180	95001-9-SL009-PA
B54	Polyamide	11 mm	33	153	30	180	95001-9-SL011-PA
B54	Polyamide	13 mm	33	153	30	190	95001-9-SL013-PA
B54	Polyamide	16 mm	33	158	35	220	95001-9-SL016-PA
B54	Polyamide	19 mm	33	158	35	220	95001-9-SL019-PA
B55	Brass passivated	LP-006-1	21	128	20	220	95002-9-ST006-21
B55	Brass passivated	LP-007-1	21	133	23.3	230	95002-9-ST007-21
B56	Brass passivated	6 mm	22	126	25	200	95002-9-SL006-21
B56	Brass passivated	9 mm	22	138	30	210	95002-9-SL009-21
B56	Brass passivated	11 mm	22	138	30	220	95002-9-SL011-21
B56	Brass passivated	13 mm	22	138	30	220	95002-9-SL013-21
B569	Gun body: robust plastics Nozzel: Brass nickel plated Plug connector (thru-type adaptor): brass alloy passivated	LP-006-1		235		150	95400-9-ST006

A - Connection D - Diameter [mm] L - Length [mm] T - Thread length [mm] Weight [g]

Compressed air - accessories

Product chart

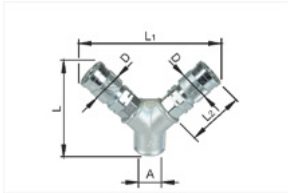
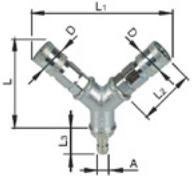
Design	Material	A	D	L	T	Weight	Part number
B57	Gun body: Aluminium Nozzel: Brass nickel plated Plug connector (thru-type adaptor): Steel hardened, zinc plated	LP-006-1		140		250	95003-9-ST006-30
B57	Gun body: Aluminium Nozzel: Brass nickel plated Plug connector (thru-type adaptor): Steel hardened, zinc plated	LP-007-1		140		260	95003-9-ST007-30
B58	Gun body: Aluminium Nozzel: Brass nickel plated Hose connection: Brass passivated	6 mm		140	25	250	95003-9-SL006-30
B58	Gun body: Aluminium Nozzel: Brass nickel plated Hose connection: Brass passivated	9 mm		140	30	250	95003-9-SL009-30
B58	Gun body: Aluminium Nozzel: Brass nickel plated Hose connection: Brass passivated	11 mm		140	30	260	95003-9-SL011-30
B58	Gun body: Aluminium Nozzel: Brass nickel plated Hose connection: Brass passivated	13 mm		140	30	270	95003-9-SL013-30
B59	Brass nickel plated	M12 x 1.25		100		40	95004-9-LG100-21
B59	Brass nickel plated	M12 x 1.25		150		46	95004-9-LG150-21
B59	Brass nickel plated	M12 x 1.25		250		60	95004-9-LG250-21
B510	Aluminium	M12 x 1.25				6	95014
B511	Aluminium	M12 x 1.25				6	95012
B512	Polyamide	M12 x 1.25				12	95013
B513	Polyamide		70			9	95015

A - Connection D - Diameter [mm] L - Length [mm] T - Thread length [mm] Weight [g]



Multi-way manifolds

Design chart

Design	Delivery	Technical features
B71		Two-way pipe connection - Y version, including two self-sealing couplings (VK) from series LP
B72		Two-way plug connection - Y version, including thru-type adaptor (STN) and two self-sealing couplings (VK) from series LP
B73		Two-way connection - T version Please ask for technical details.
B74		Three-way connection - Cross version Please ask for technical details.

Multiway distributors can be manufactured in shape of Y-, T- and cross pieces in combination with all fittings of our standard program.

Multi-way manifolds

Features chart

Properties	Materials	Seals
- Option FF (oil and grease free) on request	11 = Steel zinc plated Optional 01 = Stainless steel 1.4404/1.4571 or similar 21 = Brass passivated 50 = Polyamide 11/12, grey	1 = NBR 2 = FKM 4 = EPDM

Order number configuration
2R-006-0-WR517-Material-Seal

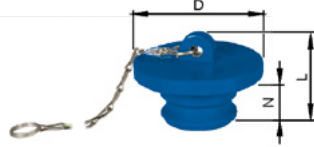
Product chart

Design	A	D	L	L1	L2	L3	Pipe ID	Weight	Base material	Material-neutral part number
B71	BSPP 3/8" und 2 x SSC LP-006	25	81	116	47.5		6	350	Steel	2R-006-0-WR517-...-
B71	BSPP 1/2" und 2 x SSC LP-007	30	96	140	56		7	630	Steel	2R-007-0-WR521-...-
B71	BSPP 1" und 2 x SSC LP-012	40	128	178	68		12	1,240	Steel	2R-012-0-WR533-...-
B72	TTA LP-006 und 2 x SSC LP-006	25	81	116	47.5	28.5	26	390	Steel	2S-006-0-WR517-...-

A - Connection D - Diameter [mm] L/L1/L2/L3 - Length [mm] Pipe ID [mm] Weight [g]

Protection elements

Design chart

Design	Delivery	Technical features
B21		Dust caps for self-sealing adaptors and thru-type adaptors with a plastic strap and ring.
B22		Dust caps for self-sealing adaptors and thru-type adaptors with a chain and ring
B23		Dust plug for self-sealing couplings and thru-type couplings with a plastic strap and ring
B24		Dust plug for self-sealing couplings and thru-type couplings with a chain and ring

The dust caps / plugs consist of a soft, flexible plastic which is resistant against the most water- and oil-containing media. Since they are stuck on top of the external and internal contours of the coupling parts, they protect the plug surfaces and internal bores of the fittings from contaminations and damage. Not suitable for pressure-tight applications.

Protection elements

Features chart

Properties	Materials	Additional options
- Weather-resistant - Strain crack-resistant	71 = soft PVC blue 73 = soft PVC black 74 = soft PVC grey Polyurethane (only LP-004)	KK = Chain fastening KU = Plastic strap

Product chart

Design	Material	For type	D	L	L1	N	Weight	Part number
B21	Soft PVC black	HP-004	23	27.5			7	HP-004-5-73-KU
B21	Soft PVC black	HP-006	30	33			11	HP-006-5-73-KU
B21	Soft PVC black	HP-010	34	38			16	HP-010-5-73-KU
B21	Soft PVC black	HP-016	41	43			20	HP-016-5-73-KU
B21	Soft PVC black	HP-020	45	45			25	HP-020-5-73-KU
B21	Polyurethane grey	LP-004 LV-004	18	23			4	LP-004-5-74-KU
B21	Soft PVC grey or blue	LP-006	22	24			5	LP-006-5-....-KU
B21	Soft PVC grey or blue	LP-007	25	27			7	LP-007-5-....-KU
B21	Soft PVC grey or blue	LP-012	32	33.5			12	LP-012-5-....-KU
B21	Soft PVC grey or blue	LP-019 MD-019	44	37.5			20	LP-019-5-....-KU
B21	Soft PVC grey or blue	MD-006	22	24			7	MD-006-5-....-KU
B21	Soft PVC grey or blue	MD-007	25	27			7	MD-007-5-....-KU
B21	Soft PVC grey or blue	MD-012	32	33.5			11	MD-012-5-....-KU
B21	Soft PVC grey or blue	SG-006 SP-006	22	24			7	SP-006-5-....-KU

D - Diameter [mm] L/L1 - Length [mm] N - Adaptor length [mm] Weight [g]

Protection elements

Product chart

Design	Material	For type	D	L	L1	N	Weight	Part number
B22	Soft PVC grey or blue Chains and rings: nickel-plated steel	LP-032 MD-032	73	76	58		65	LP-032-5-...-KK
B22	Soft PVC grey or blue Chains and rings: nickel-plated steel	HP-050 LP-050 MD-050	114.5	110	92		110	LP-050-5-...-KK
B22	Soft PVC grey or blue Chains and rings: nickel-plated steel	SP-009	25.5	46	31		16	SP-009-5-...-KK
B23	Soft PVC black	HP-004	20	27.5		15.5	7	HP-004-6-73-KU
B23	Soft PVC black	HP-006	30	33		17	13	HP-006-6-73-KU
B23	Soft PVC black	HP-010	34	42		22	23	HP-010-6-73-KU
B23	Soft PVC black	HP-016	41	45		25	32	HP-016-6-73-KU
B23	Soft PVC black	HP-020	45	47		27	40	HP-020-6-73-KU
B23	Soft PVC grey or blue	LP-004 LV-004	18	24		12	5	LP-004-6-...-KU
B23	Soft PVC grey or blue	LP-006	22	30		18	8	LP-006-6-...-KU
B23	Soft PVC grey or blue	LP-007	25	34		18	10	LP-007-6-...-KU
B23	Soft PVC grey or blue	LP-012	32	43		23	19	LP-012-6-...-KU
B23	Soft PVC grey or blue	LP-019 MD-019	44	46		26	34	LP-019-6-...-KU
B23	Soft PVC grey or blue	MD-006	22	30		18	8	MD-006-6-...-KU
B23	Soft PVC grey or blue	MD-007	25	34		18	9	MD-007-6-...-KU
B23	Soft PVC grey or blue	MD-012	32	43		23	19	MD-012-6-...-KU
B23	Soft PVC grey or blue Soft PVC grey	SG-006 SP-006	22	25		13	7	SP-006-6-...-KU
B24	Soft PVC grey or blue Chains and rings: nickel-plated steel	HP-032 LP-032 MD-032	82	60		32	160	LP-032-6-...-KK
B24	Soft PVC black or blue Chains and rings: nickel-plated steel	HP-050 LP-050 MD-050	112	66		37	240	LP-050-6-...-KK
B24	Soft PVC grey or blue Chains and rings: nickel-plated steel	SP-009	34	35		19	19	SP-009-6-...-KK

D - Diameter [mm] L/L1 - Length [mm] N - Adaptor length [mm] Weight [g]



Pressure-tight protection elements

Technical information

Nominal bore [mm]	p max. permissible static [bar / psi]			Series
	Steel	Brass	Stainless steel	
	coupled	coupled	coupled	
3			64 / 928	CT
5			64 / 928	CT
7			64 / 928	CT
9			64 / 928	CT
12			64 / 928	CT
19			40 / 580	CT
6	1,000 / 14,500		345 / 5,000	HP
10	600 / 8,700		345 / 5,000	HP
16	500 / 7,250		250 / 3,625	HP
20	400 / 5,800		210 / 3,045	HP
32	300 / 4,350		210 / 3,045	HP
4		60 / 870		LP
6	100 / 1,450		90 / 1,305	LP
7	70 / 1,015		60 / 870	LP
12	60 / 870		50 / 725	LP
19	60 / 870		40 / 580	LP
32	30 / 435		30 / 435	LP
50	30 / 435		30 / 435	LP
6	200 / 2,900		100 / 1,450	MD
7	250 / 3,625		100 / 1,450	MD
12	250 / 3,625		100 / 1,450	MD
19	250 / 3,625		50 / 725	MD
32	200 / 2,900		40 / 580	MD
50	100 / 1,450		30 / 435	MD
6	120 / 1,740		100 / 1,450	SP

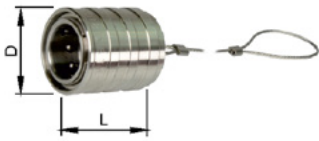
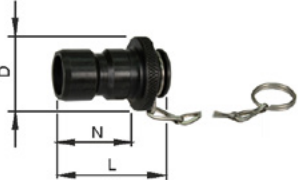
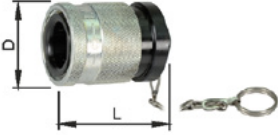
The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

Stated maximum permissible operating pressures (p max. permissible static) only apply to materials specified by us and to operation with group II media according to directive 2014/68/EU. Material combinations, optional materials, as well as other media or other temperature ranges can lead to divergent maximum permissible operating pressures and must be requested separately.

Please note that the maximum permissible operating pressure of the connection and quick coupling system must be considered when determining the plant operating pressure. Our safety instructions must be followed.

Pressure-tight protection elements

Design chart

Design	Delivery	Technical features
B11		Dust cap with stainless steel line for series CT self-sealing adaptors
B12		Dust plug with chain and ring for self-sealing couplings for the series HP, LP, MD and SP
B13		Dust cap with chain and ring for self-sealing adaptors and thru-type adaptors for the series HP, LP, MD and SP

Features chart

Properties	Materials	Seals
Optional - Can optionally be used as a parking station - Option FF (oil and grease free) on request	CT N2 = Stainless Steel 1.4307 LP / SP 11 = Steel zinc plated / nickel plated 21 = Brass passivated MD 12 = Black nickel plated 19 = Steel zinc plated / black nickel plated 21 = Brass passivated HP 12 = Steel oil burnished (Locking sleeve: Steel oil burnished; Coupling housing: black nickel plated) nippel: Black nickel plated Optional 13 = Steel chemically nickel plated	1 = NBR 2 = FKM 4 = EPDM CT 2 = FKM 4 = EPDM

Pressure-tight protection elements

Order number configuration

SP-006-5-Material-Seal

Product chart

Design	Base material	For type	D	L	N	Weight	Material-neutral part number
B11	Stainless Steel	CT-003	21,4	30,9		47	CT-003-5-...-
B11	Stainless Steel	CT-005	26,2	31,9		75	CT-005-5-...-
B11	Stainless Steel	CT-007	32,7	37,6		186	CT-007-5-...-
B11	Stainless Steel	CT-009	35,4	45,4		118	CT-009-5-...-
B11	Stainless Steel	CT-012	40	44,9		205	CT-012-5-...-
B11	Stainless Steel	CT-019	58	60,3		507	CT-019-5-...-
B12	Black nickel plated	HP-006	34	52		250	HP-006-6-...-
B12	Black nickel plated	HP-010	46	60		400	HP-010-6-...-
B12	Black nickel plated	HP-016	56	73		870	HP-016-6-...-
B12	Black nickel plated	HP-020	62	73		1.000	HP-020-6-...-
B12	Black nickel plated	HP-032	90	94		2.650	HP-032-6-...-
B12	Steel zinc plated / nickel plated	LP-006	25	45		120	LP-006-6-...-
B12	Steel zinc plated / nickel plated	LP-007	30	52		200	LP-007-6-...-
B12	Steel zinc plated / nickel plated	LP-012	40	58		340	LP-012-6-...-
B12	Steel zinc plated / nickel plated	LP-019	54	64		610	LP-019-6-...-
B12	Steel zinc plated / nickel plated	LP-032	82	88		2.150	LP-032-6-...-
B12	Steel zinc plated / nickel plated	LP-050	112	103		4.400	LP-050-6-...-
B12	Steel zinc plated / black nickel plated	MD-006	25	45		120	MD-006-6-...-
B12	Steel zinc plated / black nickel plated	MD-007	30	52		200	MD-007-6-...-
B12	Steel zinc plated / black nickel plated	MD-012	40	58		350	MD-012-6-...-
B12	Zinc-plated / nickel-plated steel	MD-019	54	64		610	MD-019-6-...-
B12	Steel zinc plated / black nickel plated	MD-032	82	88		2.150	MD-032-6-...-
B12	Steel zinc plated / black nickel plated	MD-050	112	103		4.400	MD-050-6-...-

D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Pressure-tight protection elements

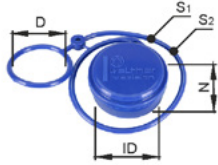
Product chart

Design	Base material	For type	D	L	N	Weight	Material-neutral part number
B12	Zinc-plated / nickel-plated steel	SP-006	22	46		100	SP-006-5-..
B13	Black nickel plated	HP-006	30	48	30.5	100	HP-006-5-..
B13	Black nickel plated	HP-010	40	50	36	150	HP-010-5-..
B13	Black nickel plated	HP-016	40	58	41	210	HP-016-5-..
B13	Black nickel plated	HP-020	40	60	43	250	HP-020-5-..
B13	Black nickel plated	HP-032	62	71.5	49.5	570	HP-032-5-..
B13	Brass passivated	LP-004	18	28	16	36	LP-004-5-..
B13	Steel zinc plated / nickel plated	LP-006	25	38	20	75	LP-006-5-..
B13	Steel zinc plated / nickel plated	LP-007	25	38	23.3	70	LP-007-5-..
B13	Steel zinc plated / nickel plated	LP-012	30	44	29.5	110	LP-012-5-..
B13	Steel zinc plated / nickel plated	LP-019	40	50	32.5	200	LP-019-5-..
B13	Steel zinc plated / nickel plated	LP-032	65	58	39	580	LP-032-5-..
B13	Steel zinc plated / nickel plated	LP-050	100	66	46	1,650	LP-050-5-..
B13	Steel zinc plated / black nickel plated	MD-006	25	38	21.7	70	MD-006-5-..
B13	Steel zinc plated / black nickel plated	MD-007	25	38	25	60	MD-007-5-..
B13	Steel zinc plated / black nickel plated	MD-012	30	44	31.5	95	MD-012-5-..
B13	Steel zinc plated / black nickel plated	MD-019	40	50	35.5	200	MD-019-5-..
B13	Steel zinc plated / black nickel plated	MD-032	65	58	41	520	MD-032-5-..
B13	Steel zinc plated / black nickel plated	MD-050	100	70	50	1,630	MD-050-5-..
B13	Steel zinc plated / nickel plated	SP-006	22	33	20	60	SP-006-5-..

D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]

Universal protection elements

Design chart

Design	Delivery	Technical features
B31		The dust caps are equipped with a collar on the end that ensures a better grip. - They have a strap and can be directly fastened to coupling or adaptor housings of primary types - The strap can also be used on the hose or an additional chain, for example, in the case of other coupling types as an alternative means of fastening

The dust caps consist of a soft, flexible polyurethane plastic (blue) which is resistant against the most water- and oil-containing media. Since they are stuck on top of the external and internal contours of the coupling parts, they protect the plug surfaces of the fittings from contaminations and damage. Due to a specific determination of the stretch measure, the caps are designed for several coupling types, but not for pressure-tight applications.

Features chart

Properties	Materials
- These dust caps have been developed for the listed primary types, but can also be used with secondary types due to their elasticity. - ATEX on request - Version FF on request	Available in PUR, material codes: PUBE = blue PUBR =grey (on request)

Universal protection elements

Product chart

Design	Material	For type		D	ID	N	S	S1	Weight	Part number
		Primary types	Secondary types							
B31	Polyurethane blue	CT-005-0	04-005-0 KM-006-0 LP-006-0 MD-006-0 UF-006-0	17-25	28	15	175	3	12	SK-028-9-17325-PUBE-T015
B31	Polyurethane blue	CT-007-0	06-006-0 CK-G09-0 HC-G06-0 HP-006-0 LP-019-2 MD-019-2 UF-007-0-SI TE-009-0	22-28	33	17	210	3	16	SK-033-9-22328-PUBE-T017
B31	Polyurethane blue	CT-009-0	CP-006-0 HC-G16-2 LS-006-0 MD-025-2	24-30	36	17	240	4	20	SK-036-9-24430-PUBE-T017
B31	Polyurethane blue	CT-012-0	HC-G20-2 HP-032-2 KL-012-0 LP-012-0 MD-012-0 TE-012-0 UF-012-0	35-42	40	17	270	4	27	SK-040-9-35442-PUBE-T017
B31	Polyurethane blue	CP-012-0	HC-G12-0 MD-032-2	40-47	48	30	320	4	49	SK-048-9-41447-PUBE-T030
B31	Polyurethane blue	CT-019-0	HC-G16-0	47-55	58	20	350	4	49	SK-058-9-47455-PUBE-T020
B31	Polyurethane blue	CP-016-0	BF-012-0 HC-G20-0	55-60	63	32	405	4	50	SK-065-9-55460-PUBE-T032
B31	Polyurethane blue	HP-032-0 LP-032-0 LP-032-0-SI MD-032-0 MD-032-0-SI UF-032-0 UF-032-0-SI	22-032-0-Y04 22-032-2-Y04 BF-025-0 BF-050-2 EH-050-4 NA-040-0 TE-032-0	81-95	90	74	330	3.5	118	SK-090-9-80492-PUBE-T074
B31	Polyurethane blue	CT-005-2	02-003-0 06-006-2 07-003-0 22-006-1 BF-005-2 CP-006-2 HP-010-2 LP-003-0 UF-007-1-DR/VI UF-007-2-DR/VI	17-25	14	22	155	3	9	SL-014-9-17325-PUBE-T022

D - Diameter [mm] ID - Clamping diameter [mm] N - Internal depth [mm] S - Cord length [mm] S1 - Cord thickness [mm] Weight [g]

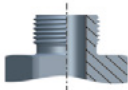
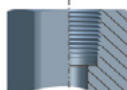
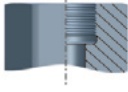
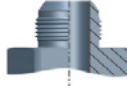
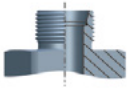
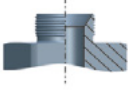
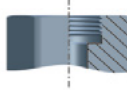
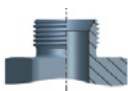
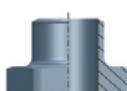
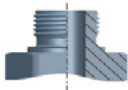
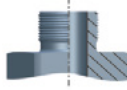
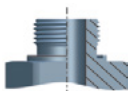
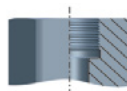
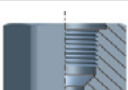
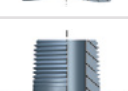
Universal protection elements

Product chart

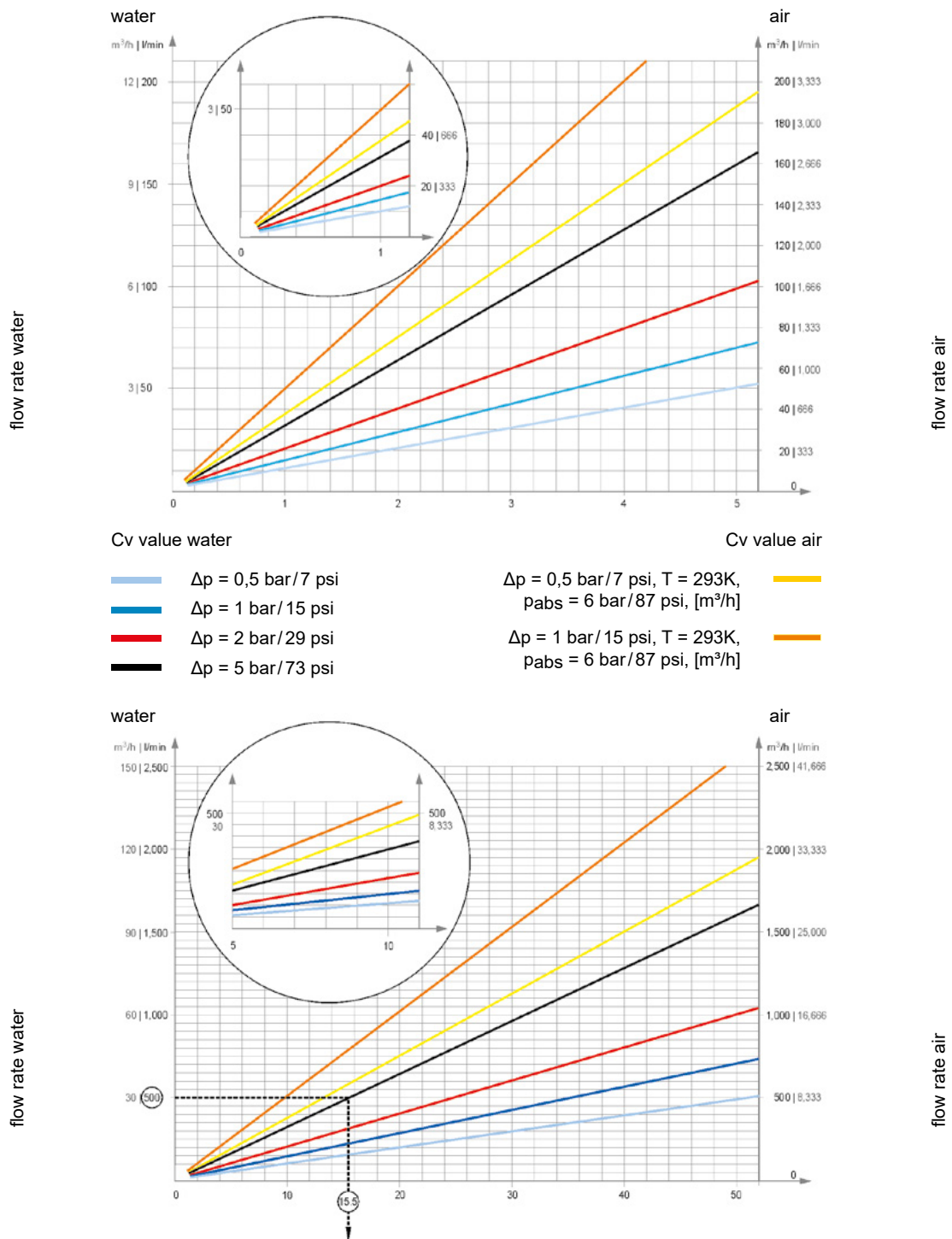
Design	Material	For type		D	ID	N	S	S1	Weight	Part number
		Primary types	Secondary types							
B31	Polyurethane blue	CT-007-2	03-005-0 31-006-0-Y36 BF-009-2 CK-G09-2 CP-009-2 HC-G06-2 KL-012-2 LP-012-2 MD-012-2 UF-012-2-DR/VI	17-25	18	28	180	3	12	SL-018-9-17325-PUBE-T028
B31	Polyurethane blue	CT-009-2	MD-012-2 SP-006-0	24-30	20	30	190	4	18	SL-020-9-24430-PUBE-T030
B31	Polyurethane blue	CT-012-2	04-005-0 HC-G12-2 HP-016-2 KL-006-0 KM-006-0 LP-006-0 LT-006-0 MD-006-0 UF-006-0	34-42	22	30	210	4	23	SL-022-9-35442-PUBE-T030
B31	Polyurethane blue	CP-012-2	BF-012-2 HP-016-2 LP-007-0 LP-019-2 MD-019-2 TE-016-2-Z02 TE-019-2	43-50	23	52	220	4	41	SL-023-9-43450-PUBE-T052
B31	Polyurethane blue	CP-016-2	HC-G16-2 UF-019-2-DR/VI	59-66	33	58	247	4	53	SL-030-9-59466-PUBE-T058
B31	Polyurethane blue	CT-019-2	CG-G20-2 HC-G16-2 HC-G20-2 MD-025-2 TE-012-0	44-50	35	46	260	4	46	SL-035-9-44450-PUBE-T046
B31	Polyurethane blue	HP-032-2 LP-032-2 MD-032-2 UF-032-2	04-032-2 05-032-2	79-90	48	51	340	3.5	59	SL-048-9-78484-PUBE-T050

D - Diameter [mm] ID - Clamping diameter [mm] N - Internal depth [mm] S - Cord length [mm] S1 - Cord thickness [mm] Weight [g]

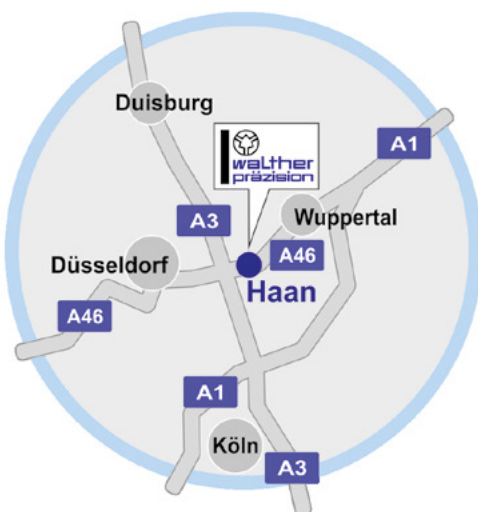
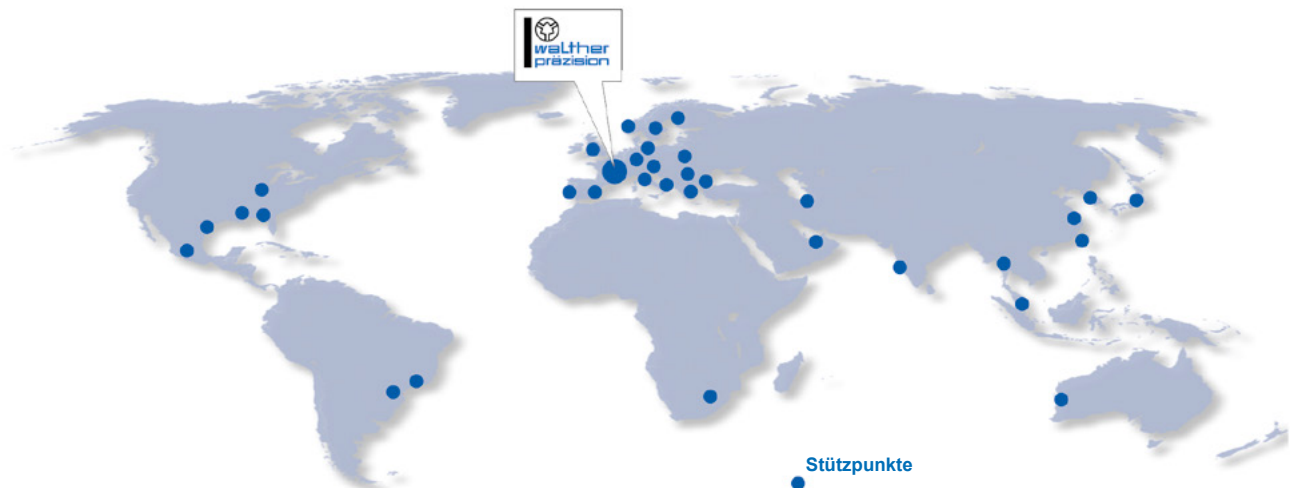
Connection types

Design	Image	Description	Design	Image	Description
I		Cylindrical BSP thread, male thread to DIN EN ISO 228	XIII		Conical female NPT thread to US standard in accordance with ASME B1.20.1
II		Cylindrical BSP thread, female thread to DIN EN ISO 228	XIV		Male thread to SAE J 514-JIC 37° taper coupling (other taper couplings available)
III		Metric male thread with 24° sealing cone to DIN 2353/8434, for cutting ring and union nut to DIN EN ISO 8434-1 (no scope of supply), light- or heavy-duty series	XV		Reusable hose connection for plastic pipe, complete with union nut
IV		Metric male thread with 24° sealing cone to DIN 2353/8434, for cutting ring and union nut to DIN EN ISO 8434-1 (no scope of supply), elongated for 10 mm bulkhead mounting, light- or heavy-duty series	XVI		Reusable hose connection for plastic pipe, complete with spring washer, locknut, and union nut, elongated
V		Metric male thread with 60° sealing cone to DIN 7631, for taper coupling to DIN 3863 and union nut to DIN 3870	XVII		Cylindrical BSP thread, female thread to DIN EN ISO 228, flat-sealing, short
VI		Metric male thread with 60° sealing cone to DIN 7631, thread elongated for max. 10 mm bulkhead thickness	XVIII		SAE flange for pipe AD 64 4 x M 20 44.5 x 96.8
VII		Cylindrical BSP thread, male thread to DIN EN ISO 228/BS 5200 with 60° sealing cone	XIX		Welding connection adapted to DIN 2559
VIII		Cylindrical BSP thread, male thread to DIN EN ISO 228, screwed end to DIN 3852-2 Form B	XXI		Metric ISO standard thread, male thread to DIN 13
IX		Cylindrical BSP thread, male thread to DIN EN ISO 228, screwed end to DIN 3852-11 Form E for profile sealing ring or O-ring (no scope of supply)	XXII		Metric ISO standard thread, female thread to DIN 13
X		Cylindrical BSP thread, female thread to DIN EN ISO 228, screwed end to DIN 3852-2 Form X for profile sealing ring or O-ring (no scope of supply)	XXIII		Through type adaptor
XI		Hose connection, from single to multiple ribbed depending on the type and size	XXIV		Self-sealing adaptor
XII		Tapered male NPT thread to US standard in accordance with ASME B1.20.1	Additional connections for your individual application might be possible on request!		

Cv value determination: approximate values



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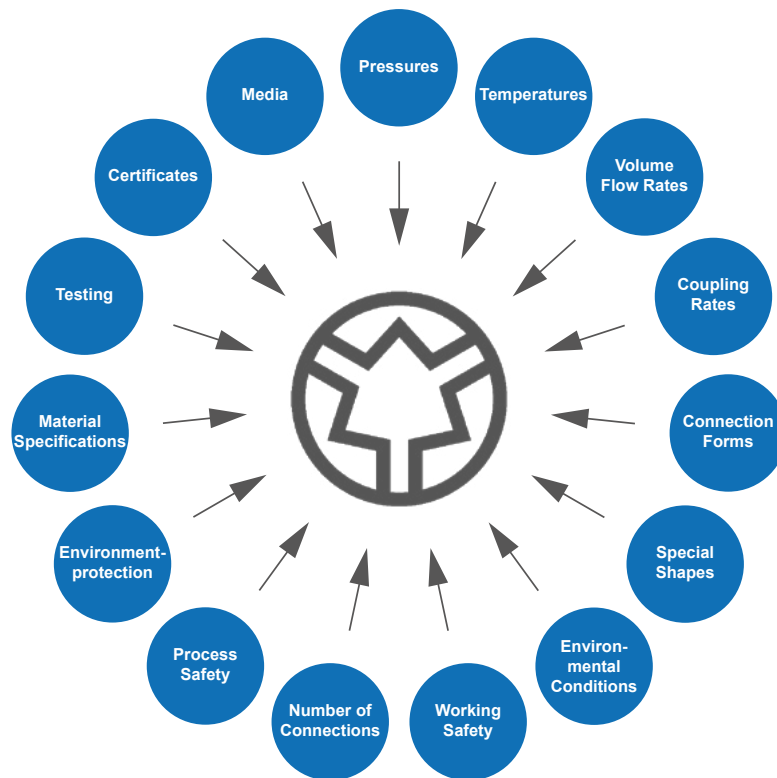
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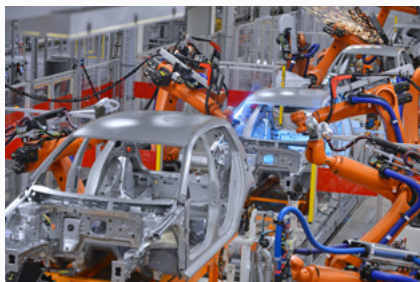
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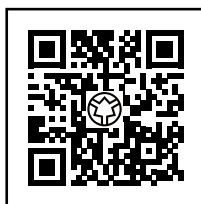
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