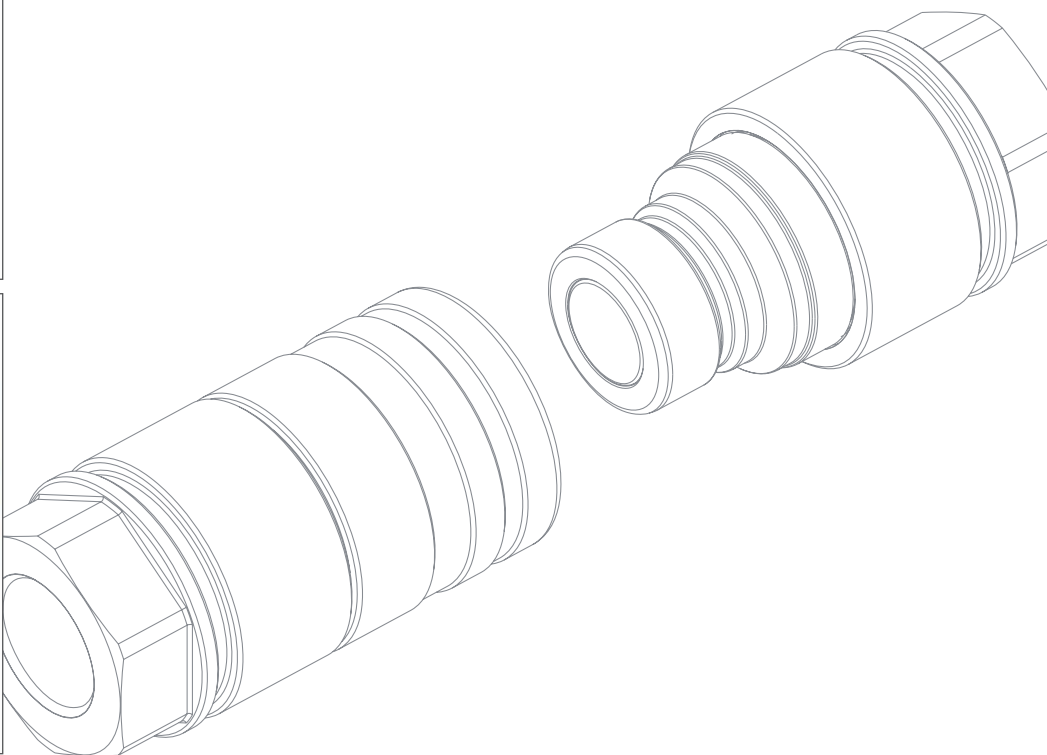
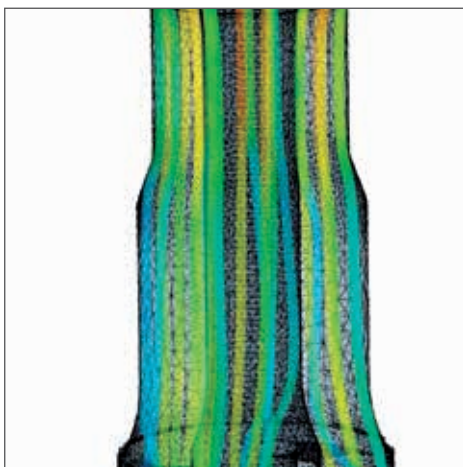
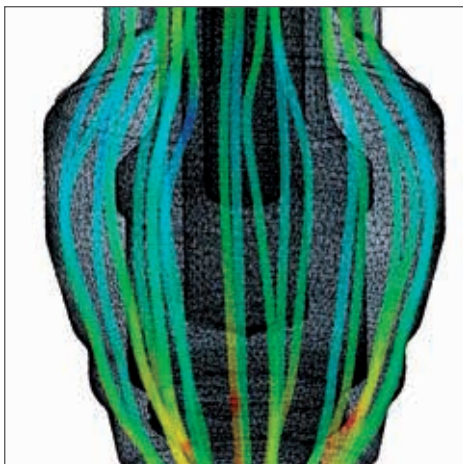




QUICK RELEASE COUPLINGS



ARGUS  **ALFAGOMMA GROUP**



For fast and easy connections of hydraulic hoses, the Alfagomma range of fluid components includes the ARGUS series of quick disconnect couplings, with products complying to international standards ISO 7241-1 A & B, ISO 5675 and ISO 16028, having poppet and flat face valve respectively.

The standardised design assures the complete interchangeability with corresponding couplings currently in use.

Made from high strength carbon steel as the basic material, hardened in parts subject to wear, ARGUS couplings feature a chrome-III zinc plating with a long lasting resistance to oxidation.

The mechanical and fluid dynamic performance are maximised by means of specific geometries defined through CFD calculations. Additional extensive testing is carried out after production following the requirements of ISO 7241-2 standard.

ISO-A range includes the true general purpose quick release couplings, with sizes from 1/4" to 1 1/2", BSPP, NPTF and metric threaded connections, and working pressure up to 350 bar. Agricultural machinery is the main application for ISO-A couplings. ISO 7241-1 B series is more employed in the industrial sector (pressures can reach 400 bar), for equipment powered and controlled by hydraulic systems.

The Flat Faced range is the optimal choice to avoid circuit contamination and oil leakage when connecting and disconnecting.

Flat Faced couplings are widely used on construction equipment, but also in hostile environments where spillage can constitute a danger.

They have sizes from 1/4" to 1", constant working pressure of 350 bar and minimised flow losses.

Screw quick couplings are also included in the ARGUS family. Connection under residual pressure is made possible by specific couplings with poppet or flat face valve. Further sizes and types, including customised multi-coupling systems, are available on request.

	SVK-ISO-A5 POPPET STANDARD ISO 7241 A DN 6 to 50 - to max. WP 350 bar
	SVK-ISO-A SS 11 POPPET STANDARD ISO 7241 A DN 6 to 40 - to max. WP 140 bar
	SVK-ISO-B13 POPPET STANDARD ISO 7241 B DN 6 to 25 - to max. WP 250 bar
	SNK 17 POPPET INDUSTRY STANDARD DN 6 to 25 - to max. WP 350 bar - Normal series
	SNKB 21 BALL INDUSTRY STANDARD DN 6 to 25 - to max. WP 350 bar - Normal series
	SVK-1H 23 POPPET STANDARD ISO 5675 DN 10 to 19 - to max. WP 400 bar - Push pull
	PVK-RACING 31 POPPET DN 8 to 13 - WP 20 bar - Push pull
	SPK-1H 33 POPPET STANDARD ISO 5675 DN 13 - WP 250 bar - Push pull connection under pressure
	SRK-1H 35 POPPET RIGID PIPES DN 13 - WP 250 bar - Connection under pressure
	ACCESSORIES FOR SVK-1H, RV and LBS 37 Threaded adapters
	QUICK RELEASE ADAPTER 39
	QUICK RELEASE ADAPTER 41 CONNECTION UNDER PRESSURE
	FPK 43 FLAT FACE STANDARD ISO 16028 DN 6 to 25 - WP 350 bar
	FPP 49 FLAT FACE STANDARD ISO 16028 DN 10 to 19 - WP 350 bar - Connection under pressure
	HDK 51 SCREW TYPE POPPET DN 8 to 32 - to max. WP 450 bar - German standard



RK **57**
SCREW TYPE FLAT FACE
DN 10 to 25 - to max. WP 315 bar



RPK **61**
SCREW TYPE FLAT FACE
DN 25 to 32 - to max. WP 450 bar



AK **63**
SCREW TYPE FLAT FACE
DN 6 to 25 - WP 315 bar



PTK **67**
SCREW TYPE POPPET
DN 6 to 10 - WP 700 bar



SHK **69**
HIFLOW TRUCK TYPE POPPET
DN 25 - WP 240 bar



SLK **71**
LOCKABLE TYPE POPPET
DN 13 - WP 240 bar



MULTI-COUPLING **73**
MULTI-K 4x3/8"



RV **75**
NON RETURN VALVE
DN 6 to 25 - to max. WP 400 bar



PRV **77**
CARTRIDGE NON RETURN VALVE
DN 6 to 25 - to max. WP 400 bar



LBS **79**
EXCESS FLOW CHECK VALVE
DN 6 to 25 - to max. WP 400 bar

Poppet valve	Flat face valve	Screw type		Multi-coupling	Check valves
		Poppet	Flat face		
Product series					
SVK-ISO-A	(*) FPK 350 bar	HDK	RK	(*) MULTI-K	RV
SVK-ISO-A SS	(*) FPP MP	PTK	RPK		PRV
SVK-ISO-B			AK		PRV SPECIAL
SNK					LBS
SNKB					
SVK-1H - FLEX					
PVK-RACING (ALU)					
SPK-1H - FLEX					
SRK-1H					
SHK					
SLK					
Quick Release Adapter (*) SVK-ISO-A -1/2" <=> FPK (*) SVK-ISO-A -1/2" <=> FPK under pressure					

* Patent pending

ARGUS TAILOR MADE

Argus can develop every kind of quick release and multi-coupling system according to customer's needs or specifications.

DN 6 to 50
to max. WP 350 bar

- Quick and simple coupling and uncoupling
- Cost effective



ARGUS ISO 7241-1 series “A” quick release couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The SVK-ISO-A quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves.

Materials

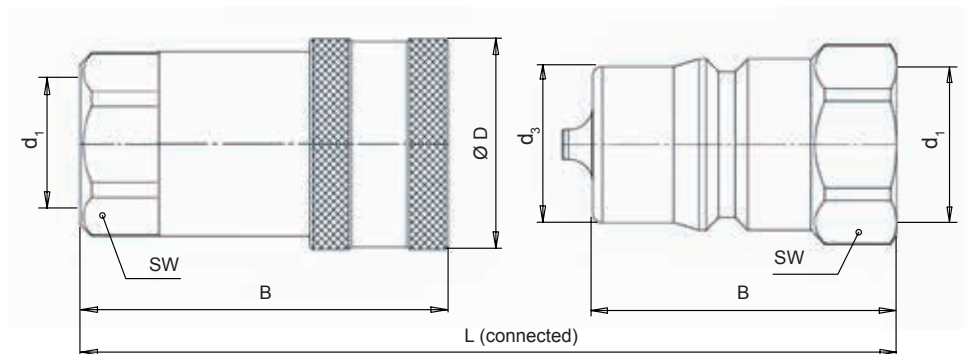
Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug.

Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.



STANDARD ISO 7241 A - Poppet SVK-ISO-A

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	ø D	L	SW
1219613	R1QEPAF06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	50	26	74,2	19
1219607	R1QEPAF06F-0606	-6	10	3/8"	31,5	126	BSPP	3/8"	57,1	31,5	78,5	22
1232129	R1QEPAF06F-0608	-6	10	3/8"	31,5	126	BSPP	1/2"	56	32	74,5	27
1219617	R1QEPAF06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	66	38,5	88,2	27
1219609	R1QEPAF06F-1212	-12	19	3/4"	25	100	BSPP	3/4"	82,5	48	110,4	34
1219619	R1QEPAF06F-1616	-16	25	1"	20	80	BSPP	1"	100	56	132,9	41
1223504	R1QEPAF06F-2020	-20	32	1 1/4"	20	80	BSPP	1 1/4"	117	70	150	50
1219620	R1QEPAF06F-2424	-24	40	1 1/2"	16	64	BSPP	1 1/2"	133	84,5	167	60
1223392	R1QEPAF06F-3232	-32	50	2"	10	40	BSPP	2"	165	99	210	75
1219612	R1QEPAF28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	50	26	74,2	19
1222491	R1QEPAF28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	57,1	31,5	78,5	22
1222488	R1QEPAF28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	66	38,5	88,2	27
1222494	R1QEPAF28F-1212	-12	19	3/4"	25	100	NPTF	3/4"	82,5	48	110,4	34
1222495	R1QEPAF28F-1616	-16	25	1"	20	80	NPTF	1"	100	56	132,9	41
1229489	R1QEPAF28F-2424	-24	40	1 1/2"	16	64	NPTF	1 1/2"	133	84,5	167	60
1229490	R1QEPAF28F-3232	-32	50	2"	10	40	NPTF	2"	165	99	210	75
1229466	R1QEPAF52F-0822	-8	13	1/2"	27	108	MET	M22x1,5	66	38,5	88,2	27

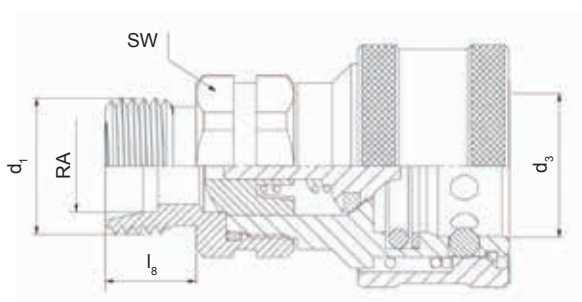
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

STANDARD ISO 7241 A - Poppet SVK-ISO-A

Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
1219611	R1QEPAM06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	38,5	11,8	74,2	19
1219606	R1QEPAM06F-0606	-6	10	3/8"	31,5	126	BSPP	3/8"	39	17,3	78,5	22
1219615	R1QEPAM06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	44	20,5	88,2	27
1219608	R1QEPAM06F-1212	-12	19	3/4"	25	100	BSPP	3/4"	55	29	110,4	34
1219618	R1QEPAM06F-1616	-16	25	1"	20	80	BSPP	1"	66	34,3	132,9	41
1223512	R1QEPAM06F-2020	-20	32	1 1/4"	20	80	BSPP	1 1/4"	75	45	150	50
1223511	R1QEPAM06F-2424	-24	40	1 1/2"	16	64	BSPP	1 1/2"	83,5	55	167	60
1223395	R1QEPAM06F-3232	-32	50	2"	10	40	BSPP	2"	105	65	210	75
1219610	R1QEPAM28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	38,5	11,8	74,2	19
1222492	R1QEPAM28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	39	17,3	78,5	22
1222489	R1QEPAM28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	44	20,5	88,2	27
1222490	R1QEPAM28F-1212	-12	19	3/4"	25	100	NPTF	3/4"	55	29	110,4	34
1222487	R1QEPAM28F-1616	-16	25	1"	20	80	NPTF	1"	66	34,3	132,9	41
1229496	R1QEPAM28F-2424	-24	40	1 1/2"	16	64	NPTF	1 1/2"	83,5	55	167	60
1229497	R1QEPAM28F-3232	-32	50	2"	10	40	NPTF	2"	105	65	210	75
1229477	R1QEPAM52F-0822	-8	13	1/2"	27	108	MET	M22x1,5	44	20,5	88,2	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

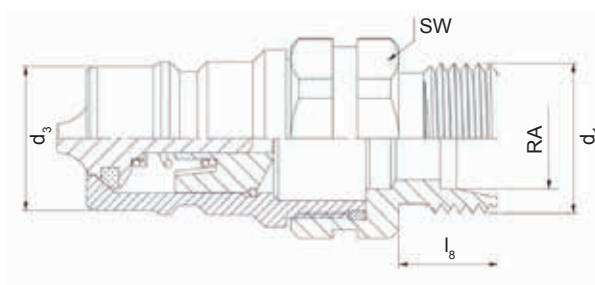


STANDARD ISO 7241 A - Poppet SVK-ISO-A

Female coupling - metric 24° light/heavy series

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	d ₁	RA	d ₃	L ₈	SW
		DASH	DN	inch								
	R1Q-341849	-4	6	1/4"	35	140	CEL	M12x1,5	6	11,8	12	19
	R1Q-341850	-4	6	1/4"	35	140	CEL	M14x1,5	8	11,8	12	19
	R1Q-341852	-6	10	3/8"	31,5	126	CEL	M14x1,5	8	17,3	12	22
	R1Q-341853	-6	10	3/8"	31,5	126	CEL	M16x1,5	10	17,3	12	22
	R1Q-341854	-8	13	1/2"	27	108	CEL	M14x1,5	8	20,6	12	27
	R1Q-341855	-8	13	1/2"	27	108	CEL	M16x1,5	10	20,6	12	27
	R1Q-341856	-8	13	1/2"	27	108	CEL	M18x1,5	12	20,6	12	27
	R1Q-341857	-8	13	1/2"	27	108	CEL	M22x1,5	15	20,6	12	27
	R1Q-341858	-8	13	1/2"	27	108	CEL	M26x1,5	18	20,6	12	27
	R1Q-341859	-12	19	3/4"	25	100	CEL	M18x1,5	12	29	12	36
	R1Q-341860	-12	19	3/4"	25	100	CEL	M22x1,5	15	29	12	36
	R1Q-341861	-12	19	3/4"	25	100	CEL	M26x1,5	18	29	12	36
	R1Q-341862	-12	19	3/4"	25	100	CEL	M30x2,0	22	29	18	36
	R1Q-341863	-16	25	1"	20	80	CEL	M26x1,5	18	34,3	12	41
	R1Q-341864	-16	25	1"	20	80	CEL	M30x2,0	22	34,3	18	41
	R1Q-341865	-16	25	1"	20	80	CEL	M36x2,0	28	34,3	18	41
	R1Q-341866	-16	25	1"	20	80	CEL	M45x2,0	35	34,3	16	41
	R1Q-341867	-6	10	3/8"	31,5	126	CES	M16x1,5	8	17,3	12	22
	R1Q-341868	-6	10	3/8"	31,5	126	CES	M18x1,5	10	17,3	12	22
	R1Q-341869	-6	10	3/8"	31,5	126	CES	M20x1,5	12	17,3	12	22
	R1Q-341870	-8	13	1/2"	27	108	CES	M18x1,5	10	20,6	12	27
	R1Q-341871	-8	13	1/2"	27	108	CES	M20x1,5	12	20,6	12	27
	R1Q-341872	-8	13	1/2"	27	108	CES	M22x1,5	14	20,6	12	27
	R1Q-341873	-8	13	1/2"	27	108	CES	M24x1,5	16	20,6	12	27
	R1Q-341874	-12	19	3/4"	25	100	CES	M24x1,5	20	29	12	36
	R1Q-341875	-12	19	3/4"	25	100	CES	M30x2,0	20	29	16	36
	R1Q-341876	-16	25	1"	20	80	CES	M30x2,0	20	34,3	18	41
	R1Q-341877	-16	25	1"	20	80	CES	M36x2,0	25	34,3	18	41
	R1Q-341878	-16	25	1"	20	80	CES	M42x2,0	30	34,3	18	46
	R1Q-341879	-16	25	1"	20	80	CES	M52x2,0	38	34,3	20	55

Metric connection according to DIN EN ISO 8434-1

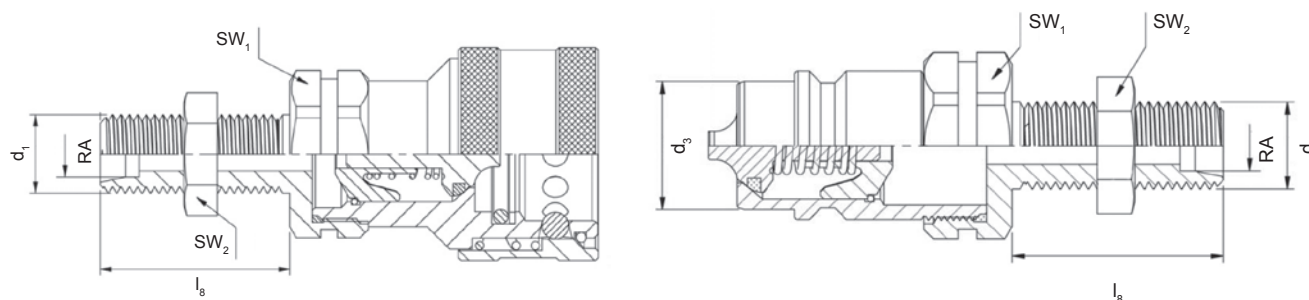


STANDARD ISO 7241 A - Poppet SVK-ISO-A

Male coupling - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	d ₁	RA	d ₃	I ₈	SW
	R1Q-341818	-4	6	1/4"	35	140	CEL	M12x1,5	6	11,8	12	19
	R1Q-341819	-4	6	1/4"	35	140	CEL	M14x1,5	8	11,8	12	19
	R1Q-341821	-6	10	3/8"	31,5	126	CEL	M14x1,5	8	17,3	12	22
	R1Q-341822	-6	10	3/8"	31,5	126	CEL	M16x1,5	10	17,3	12	22
	R1Q-341823	-8	13	1/2"	27	108	CEL	M14x1,5	8	20,6	12	27
	R1Q-341824	-8	13	1/2"	27	108	CEL	M16x1,5	10	20,6	12	27
	R1Q-341825	-8	13	1/2"	27	108	CEL	M18x1,5	12	20,6	12	27
	R1Q-341826	-8	13	1/2"	27	108	CEL	M22x1,5	15	20,6	12	27
	R1Q-341827	-8	13	1/2"	27	108	CEL	M26x1,5	18	20,6	12	27
	R1Q-341828	-12	19	3/4"	25	100	CEL	M18x1,5	12	29	12	36
	R1Q-341829	-12	19	3/4"	25	100	CEL	M22x1,5	15	29	12	36
	R1Q-341830	-12	19	3/4"	25	100	CEL	M26x1,5	18	29	12	36
	R1Q-341831	-12	19	3/4"	25	100	CEL	M30x2,0	22	29	18	36
	R1Q-341832	-16	25	1"	20	80	CEL	M26x1,5	18	34,3	12	41
	R1Q-341833	-16	25	1"	20	80	CEL	M30x2,0	22	34,3	18	41
	R1Q-341834	-16	25	1"	20	80	CEL	M36x2,0	28	34,3	18	41
	R1Q-341835	-16	25	1"	20	80	CEL	M45x2,0	35	34,3	16	41
	R1Q-341836	-6	10	3/8"	31,5	126	CES	M16x1,5	8	17,3	12	22
	R1Q-341837	-6	10	3/8"	31,5	126	CES	M18x1,5	10	17,3	12	22
	R1Q-341838	-6	10	3/8"	31,5	126	CES	M20x1,5	12	17,3	12	22
	R1Q-341839	-8	13	1/2"	27	108	CES	M18x1,5	10	20,6	12	27
	R1Q-341840	-8	13	1/2"	27	108	CES	M20x1,5	12	20,6	12	27
	R1Q-341841	-8	13	1/2"	27	108	CES	M22x1,5	14	20,6	12	27
	R1Q-341842	-8	13	1/2"	27	108	CES	M24x1,5	16	20,6	12	27
	R1Q-341843	-12	19	3/4"	25	100	CES	M24x1,5	20	29	12	36
	R1Q-341844	-12	19	3/4"	25	100	CES	M30x2,0	20	29	16	36
	R1Q-341845	-16	25	1"	20	80	CES	M30x2,0	20	34,3	18	41
	R1Q-341846	-16	25	1"	20	80	CES	M36x2,0	25	34,3	18	41
	R1Q-341847	-16	25	1"	20	80	CES	M42x2,0	30	34,3	18	46
	R1Q-341848	-16	25	1"	20	80	CES	M52x2,0	38	34,3	20	55

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 7241 A - Poppet SVK-ISO-A

Female coupling - metric 24° light series bulkhead

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	d ₁	RA	d ₃	l ₈	SW ₁	SW ₂
	R1Q-341897	-4	6	1/4"	35	140	CEL	M12x1,5	6	11,8	25	19	19
	R1Q-341898	-4	6	1/4"	35	140	CEL	M14x1,5	8	11,8	34	19	19
	R1Q-341899	-6	10	3/8"	31,5	126	CEL	M14x1,5	8	17,3	34	22	19
	R1Q-341900	-6	10	3/8"	31,5	126	CEL	M16x1,5	10	17,3	26	22	22
	R1Q-341902	-8	13	1/2"	27	108	CEL	M14x1,5	8	20,6	34	27	19
	R1Q-341903	-8	13	1/2"	27	108	CEL	M16x1,5	10	20,6	35	27	22
	R1Q-341904	-8	13	1/2"	27	108	CEL	M18x1,5	12	20,6	24	27	24
	R1Q-341905	-8	13	1/2"	27	108	CEL	M22x1,5	15	20,6	33	27	27
	R1Q-341906	-8	13	1/2"	27	108	CEL	M26x1,5	18	20,6	33	27	30
	R1Q-341907	-12	19	3/4"	25	100	CEL	M18x1,5	12	29	26	36	24
	R1Q-341908	-12	19	3/4"	25	100	CEL	M22x1,5	15	29	33	36	27
	R1Q-341909	-12	19	3/4"	25	100	CEL	M26x1,5	18	29	33	36	30
	R1Q-341910	-12	19	3/4"	25	100	CEL	M30x2,0	22	29	34	36	36
	R1Q-341911	-16	25	1"	20	80	CEL	M30x2,0	22	34,3	34	41	36
	R1Q-341912	-16	25	1"	20	80	CEL	M36x2,0	28	34,3	34	41	41
	R1Q-341913	-16	25	1"	20	80	CEL	M45x2,0	35	34,3	36	41	55

Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 7241 A - Poppet SVK-ISO-A

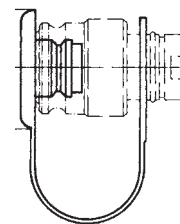
Male coupling - metric 24° light series bulkhead

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	d ₁	RA	d ₁	l ₈	SW ₁	SW ₂
	R1Q-381880	-4	6	1/4"	35	140	CEL	M12x1,5	6	11,8	25	19	19
	R1Q-381881	-4	6	1/4"	35	140	CEL	M14x1,5	8	11,8	34	19	19
	R1Q-381882	-6	10	3/8"	31,5	126	CEL	M14x1,5	8	17,3	34	22	19
	R1Q-381883	-6	10	3/8"	31,5	126	CEL	M16x1,5	10	17,3	26	22	22
	R1Q-381885	-8	13	1/2"	27	108	CEL	M14x1,5	8	20,6	34	27	19
	R1Q-381886	-8	13	1/2"	27	108	CEL	M16x1,5	10	20,6	35	27	22
	R1Q-381887	-8	13	1/2"	27	108	CEL	M18x1,5	12	20,6	24	27	24
	R1Q-381888	-8	13	1/2"	27	108	CEL	M22x1,5	15	20,6	33	27	27
	R1Q-381889	-8	13	1/2"	27	108	CEL	M26x1,5	18	20,6	33	27	30
	R1Q-381890	-12	19	3/4"	25	100	CEL	M18x1,5	12	29	26	36	24
	R1Q-381891	-12	19	3/4"	25	100	CEL	M22x1,5	15	29	33	36	27
	R1Q-381892	-12	19	3/4"	25	100	CEL	M26x1,5	18	29	33	36	30
	R1Q-381893	-12	19	3/4"	25	100	CEL	M30x2,0	22	29	34	36	36
	R1Q-381894	-16	25	1"	20	80	CEL	M30x2,0	22	34,3	34	41	36
	R1Q-381895	-16	25	1"	20	80	CEL	M36x2,0	28	34,3	34	41	41
	R1Q-381896	-16	25	1"	20	80	CEL	M45x2,0	35	34,3	36	41	55

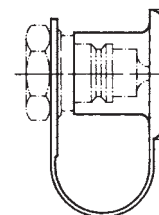
Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 7241 A - Poppet SVK-ISO-A**Red dust plug (for female coupling)**

Item Code	Part Number	DASH	 DN	inch
1219283	RT-1219283	-4	6	1/4"
1219281	RT-1219281	-6	10	3/8"
1219284	RT-1219284	-8	13	1/2"
1219282	RT-1219282	-12	19	3/4"
1219285	RT-1219285	-16	25	1"

**STANDARD ISO 7241 A - Poppet SVK-ISO-A****Red dust cap (for male coupling)**

Item Code	Part Number	DASH	 DN	inch
1219446	RT-1219446	-4	6	1/4"
1219444	RT-1219444	-6	10	3/8"
1219447	RT-1219447	-8	13	1/2"
1219445	RT-1219445	-12	19	3/4"
1219448	RT-1219448	-16	25	1"



DN 6 to 40
to max. WP 140 bar

- Quick and simple coupling and uncoupling
- Stainless steel AISI 316



ARGUS ISO 7241-1 series “A” quick release couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The SVK-ISO-A SS quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

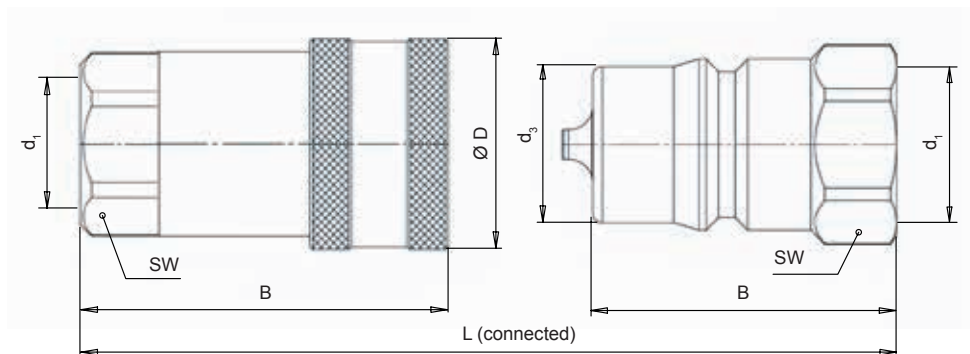
Materials

Stainless steel AISI 316 - FKM O-rings (other materials optional) - Polyethylene dust cap and dust plug.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2, water or other aggressive fluids. Resistant to outdoor and harsh environments.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.



STANDARD ISO 7241 A - Poppet SVK-ISO-A SS

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	ø D	L	SW
	R3QEPAF06F-0404	-4	6	1/4"	14	72	BSPP	1/4"	50	26	74,2	19
	R3QEPAF06F-0606	-6	10	3/8"	14	72	BSPP	3/8"	57,1	31,5	78,5	22
	R3QEPAF06F-0808	-8	13	1/2"	10	40	BSPP	1/2"	66	38,5	88,2	27
	R3QEPAF06F-1212	-12	19	3/4"	10	40	BSPP	3/4"	82,5	48	110,4	34
	R3QEPAF06F-1616	-16	25	1"	7	28	BSPP	1"	100	56	132,9	41
	R3QEPAF06F-2020	-20	32	1 1/4"	7	28	BSPP	1 1/4"	117	70	150	50
	R3QEPAF06F-2424	-24	40	1 1/2"	7	28	BSPP	1 1/2"	133	84,5	167	60
	R3QEPAF28F-0404	-4	6	1/4"	14	72	NPTF	1/4"	50	26	74,2	19
	R3QEPAF28F-0606	-6	10	3/8"	14	72	NPTF	3/8"	57,1	31,5	78,5	22
	R3QEPAF28F-0808	-8	13	1/2"	10	40	NPTF	1/2"	66	38,5	88,2	27
	R3QEPAF28F-1212	-12	19	3/4"	10	40	NPTF	3/4"	82,5	48	110,4	34
	R3QEPAF28F-1616	-16	25	1"	7	7	NPTF	1"	100	56	132,9	41
	R3QEPAF28F-2020	-20	32	1 1/4"	7	28	NPTF	1 1/4"	117	70	150	50
	R3QEPAF28F-2424	-24	40	1 1/2"	7	7	NPTF	1 1/2"	133	84,5	167	60

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

STANDARD ISO 7241 A - Poppet SVK-ISO-A SS

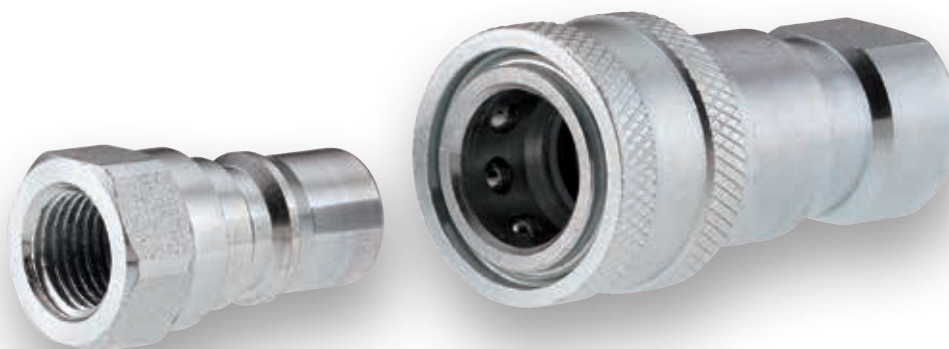
Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
	R3QEPAM06F-0404	-4	6	1/4"	14	72	BSPP	1/4"	38,5	11,8	74,2	19
	R3QEPAM06F-0606	-6	10	3/8"	14	72	BSPP	3/8"	39	17,3	78,5	22
	R3QEPAM06F-0808	-8	13	1/2"	10	40	BSPP	1/2"	44	20,5	88,2	27
	R3QEPAM06F-1212	-12	19	3/4"	10	40	BSPP	3/4"	55	29	110,4	34
	R3QEPAM06F-1616	-16	25	1"	7	28	BSPP	1"	66	34,3	132,9	41
	R3QEPAM06F-2020	-20	32	1 1/4"	7	28	BSPP	1 1/4"	75	45	150	50
	R3QEPAM06F-2424	-24	40	1 1/2"	7	28	BSPP	1 1/2"	83,5	55	167	60
	R3QEPAM28F-0404	-4	6	1/4"	14	72	NPTF	1/4"	38,5	11,8	74,2	19
	R3QEPAM28F-0606	-6	10	3/8"	14	72	NPTF	3/8"	39	17,3	78,5	22
	R3QEPAM28F-0808	-8	13	1/2"	10	40	NPTF	1/2"	44	20,5	88,2	27
	R3QEPAM28F-1212	-12	19	3/4"	10	40	NPTF	3/4"	55	29	110,4	34
	R3QEPAM28F-1616	-16	25	1"	7	28	NPTF	1"	66	34,3	132,9	41
	R3QEPAM28F-2020	-20	32	1 1/4"	7	28	NPTF	1 1/4"	75	45	150	50
	R3QEPAM28F-2424	-24	40	1 1/2"	7	28	NPTF	1 1/2"	83,5	55	167	60

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

DN 6 to 25
to max. WP 300 bar

- Quick and simple coupling and uncoupling



ARGUS ISO 7241-1 series “B” quick release couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated. The SVK-ISO-B quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

Materials

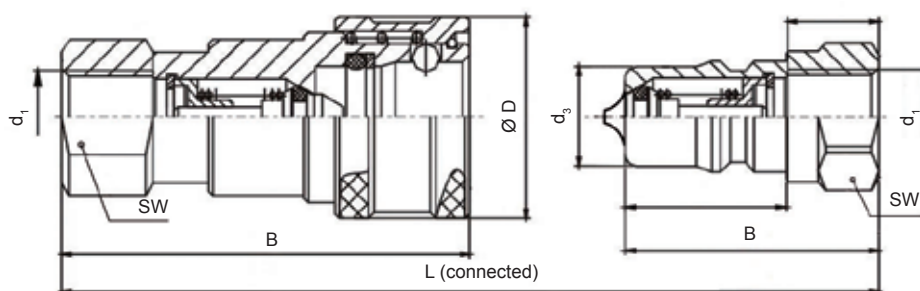
Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug.

Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.



STANDARD ISO 7241 B - Poppet SBK-ISO-B

Female coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	ø D	L	SW
		DASH	DN	inch								
1223633	R1QEPBF06F-0404	-4	6	1/4"	30	120	BSPP	1/4"	58	28.5	72	19
1223636	R1QEPBF06F-0606	-6	10	3/8"	28	112	BSPP	3/8"	65	35	81	24
1223632	R1QEPBF06F-0808	-8	13	1/2"	25	100	BSPP	1/2"	74	44.5	93.5	28.5
1223635	R1QEPBF06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	92	54	113	36
1223631	R1QEPBF06F-1616	-16	25	1"	15	60	BSPP	1"	103	63.5	127	41
	R1QEPBF28F-0404	-4	6	1/4"	30	120	NPTF	1/4"	58	28.5	72	19
	R1QEPBF28F-0606	-6	10	3/8"	28	112	NPTF	3/8"	65	35	81	24
	R1QEPBF28F-0808	-8	13	1/2"	25	100	NPTF	1/2"	74	44.5	93.5	28.5
	R1QEPBF28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	92	54	113	36
	R1QEPBF28F-1616	-16	25	1"	15	60	NPTF	1"	103	63.5	127	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

STANDARD ISO 7241 B - Poppet SBK-ISO-B

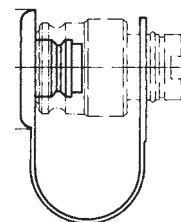
Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
		DASH	DN	inch								
1223639	R1QEPBM06F-0404	-4	6	1/4"	30	120	BSPP	1/4"	36	14.15	72	19
1223642	R1QEPBM06F-0606	-6	10	3/8"	28	112	BSPP	3/8"	40	19.05	81	24
1223638	R1QEPBM06F-0808	-8	13	1/2"	25	100	BSPP	1/2"	46.5	23.5	93.5	28.5
1223641	R1QEPBM06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	56	31.4	113	36
1223637	R1QEPBM06F-1616	-16	25	1"	15	60	BSPP	1"	63	37.75	127	41
	R1QEPBM28F-0404	-4	6	1/4"	30	120	NPTF	1/4"	36	14.15	72	19
	R1QEPBM28F-0606	-6	10	3/8"	28	112	NPTF	3/8"	40	19.05	81	24
	R1QEPBM28F-0808	-8	13	1/2"	25	100	NPTF	1/2"	46.5	23.5	93.5	28.5
	R1QEPBM28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	56	31.4	113	36
	R1QEPBM28F-1616	-16	25	1"	15	60	NPTF	1"	63	37.75	127	41

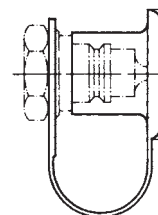
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

STANDARD ISO 7241 B - Poppet SVK-ISO-B**Red dust plug (for female coupling)**

Item Code	Part Number	DASH	 DN	inch
1224400	RT-1224400	-4	6	1/4"
1224401	RT-1224401	-6	10	3/8"
1224402	RT-1224402	-8	13	1/2"
1224403	RT-1224403	-12	19	3/4"
1224404	RT-1224404	-16	25	1"

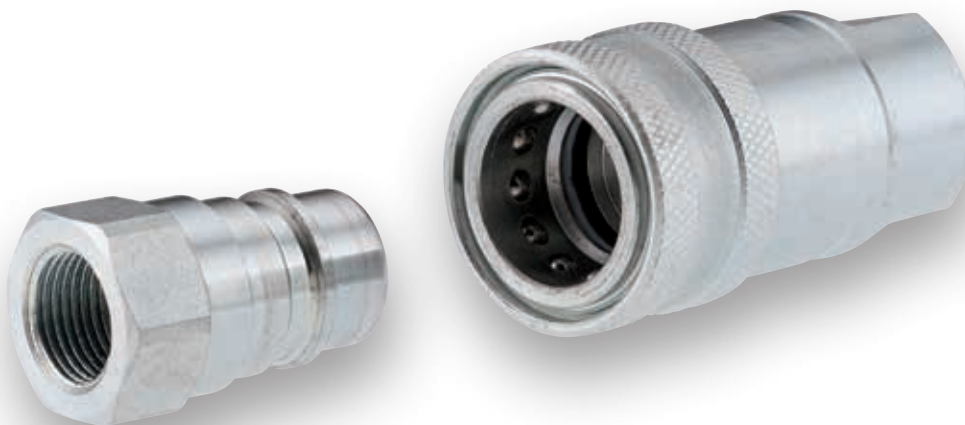
**STANDARD ISO 7241 B - Poppet SVK-ISO-B****Red dust cap (for male coupling)**

Item Code	Part Number	DASH	 DN	inch
1224394	RT-1224394	-4	6	1/4"
1224395	RT-1224395	-6	10	3/8"
1224396	RT-1224396	-8	13	1/2"
1224397	RT-1224397	-12	19	3/4"
1224398	RT-1224398	-16	25	1"



DN 6 to 25
to max. WP 350 bar

- Agricultural/normal series
- Compatibility with other couplings in-use
- DN 12 compatible with ISO 7241-1-A



ARGUS Agricultural/Normal quick release couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The SNK quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves.

Materials

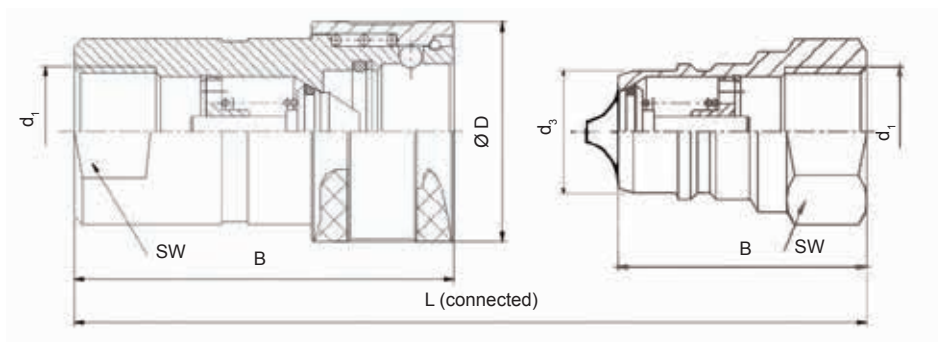
Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug.

Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.



INDUSTRY STANDARD - Poppet SNK

Female coupling - female thread

Item Code	Part Number				WP Conn./disconn. MPa	Min BP Conn./disconn. MPa	Thread	d ₁	B	ø D	L	SW
		DASH	DN	inch								
1223670	R1QEPRF06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	53.5	27.6	72	19
1223672	R1QEPRF06F-0606	-6	10	3/8"	27	108	BSPP	3/8"	63	34	83	24
1219617	R1QEPAF06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	66	38,5	88,2	27
1223671	R1QEPRF06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	82.5	48.2	108	34
1223669	R1QEPRF06F-1616	-16	25	1"	20	80	BSPP	1"	96.5	56.5	127	41
	R1QEPRF28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	53.5	27.6	72	19
	R1QEPRF28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	63	34	83	24
	R1QEPAF28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	66	38,5	88,2	27
	R1QEPRF28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	82.5	48.2	108	34
	R1QEPRF28F-1616	-16	25	1"	20	80	NPTF	1"	96.5	56.5	127	41
1229466	R1QEPAF52F-0822	-8	13	1/2"	27	108	MET	M22x1,5	66	38,5	88,2	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

INDUSTRY STANDARD - Poppet SNK

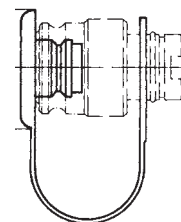
Male coupling - female thread

Item Code	Part Number				WP Conn./disconn. MPa	Min BP Conn./disconn. MPa	Thread	d ₁	B	d ₃	L	SW
		DASH	DN	inch								
1223674	R1QEPRM06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	36	14,1	72	19
1223676	R1QEPRM06F-0606	-6	10	3/8"	27	108	BSPP	3/8"	40	18,9	83	24
1219615	R1QEPAM06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	44	20,5	88,2	27
1223675	R1QEPRM06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	53.5	27,9	108	34
1223673	R1QEPRM06F-1616	-16	25	1"	20	80	BSPP	1"	63	31,3	127	41
	R1QEPRM28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	36	14	72	19
	R1QEPRM28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	40	19	83	24
	R1QEPAM28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	44	20,5	88,2	27
	R1QEPRM28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	49	28	108	34
	R1QEPRM28F-1616	-16	25	1"	20	80	NPTF	1"	64	31	127	41
1229477	R1QEPAM52F-0822	-8	13	1/2"	27	108	MET	M22x1,5	44	20,5	88,2	27

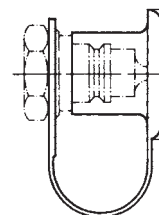
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

INDUSTRY STANDARD - Poppet SNK**Red dust plug (for female coupling)**

Item Code	Part Number	DASH	 DN	inch
1224385	RT-1224385	-4	6	1/4"
1223630	RT-1223630	-6	10	3/8"
1219284	RT-1219284	-8	13	1/2"
1223629	RT-1223629	-12	19	3/4"
1223626	RT-1223626	-16	25	1"

**INDUSTRY STANDARD - Poppet SNK****Red dust cap (for male coupling)**

Item Code	Part Number	DASH	 DN	inch
1224383	RT-1224383	-4	6	1/4"
1223625	RT-1223625	-6	10	3/8"
1219447	RT-1219447	-8	13	1/2"
1223624	RT-1223624	-12	19	3/4"
1223621	RT-1223621	-16	25	1"



DN 6 to 25
to max. WP 350 bar

- Ball valve
- Agricultural/normal series
- Compatibility with other couplings in-use
- DN 12 compatible with ISO 7241-1-A



ARGUS Agricultural/Normal quick release couplings with ball valve are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated. The SNK-B quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve.

Materials

Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug.

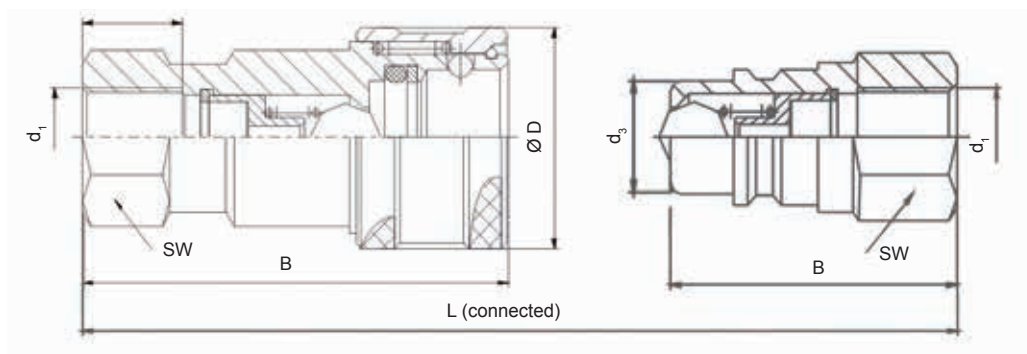
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.

Only available in selected countries.



INDUSTRY STANDARD - Poppet SNKB

Female coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	ø D	L	SW
		DASH	DN	inch								
1223611	R1QEBRF06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	53,5	27,6	72	19
1223614	R1QEBRF06F-0606	-6	10	3/8"	27	108	BSPP	3/8"	63	34	83	24
1223610	R1QEBAF06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	66	38,5	88,2	27
1223612	R1QEBRF06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	82,5	48,2	108	34
1223609	R1QEBRF06F-1616	-16	25	1"	20	80	BSPP	1"	96,5	56,5	127	41
	R1QEBRF28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	53,5	27,6	72	19
	R1QEBRF28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	63	34	83	24
	R1QEBAF28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	66	38,5	88,2	27
	R1QEBRF28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	82,5	48,2	108	34
	R1QEBRF28F-1616	-16	25	1"	20	80	NPTF	1"	96,5	56,5	127	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

INDUSTRY STANDARD - Poppet SNKB

Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
		DASH	DN	inch								
1223617	R1QEBRM06F-0404		6	1/4"	35	140	BSPP	1/4"	36	14,1	72	19
1223620	R1QEBRM06F-0606	-6	10	3/8"	27	108	BSPP	3/8"	40	18,9	83	24
1223616	R1QEBAM06F-0808	-8	13	1/2"	27	108	BSPP	1/2"	44	20,5	88,2	27
1223618	R1QEBRM06F-1212	-12	19	3/4"	20	80	BSPP	3/4"	53,5	27,9	108	34
1223615	R1QEBRM06F-1616	-16	25	1"	20	80	BSPP	1"	63	31,3	127	41
	R1QEBRM28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	36	14	72	19
	R1QEBRM28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	40	19	83	24
	R1QEBAM28F-0808	-8	13	1/2"	27	108	NPTF	1/2"	44	20,5	88,2	27
	R1QEBRM28F-1212	-12	19	3/4"	20	80	NPTF	3/4"	49	28	108	34
	R1QEBRM28F-1616	-16	25	1"	20	80	NPTF	1"	64	31	127	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3

DN 8 to 19
to max. WP 400 bar
SAE J 1036

- Quick and simple coupling and uncoupling
- Break-away function
- One-hand push pull operation
- Low pressure drop
- DN 12 compatible with ISO 7241-1-A



ARGUS SVK-1H quick release couplings

are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated. The SVK-1H quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves. SVK-1H quick release couplings can be used as pull-off couplings by panel mounting the sleeve bush.

Materials

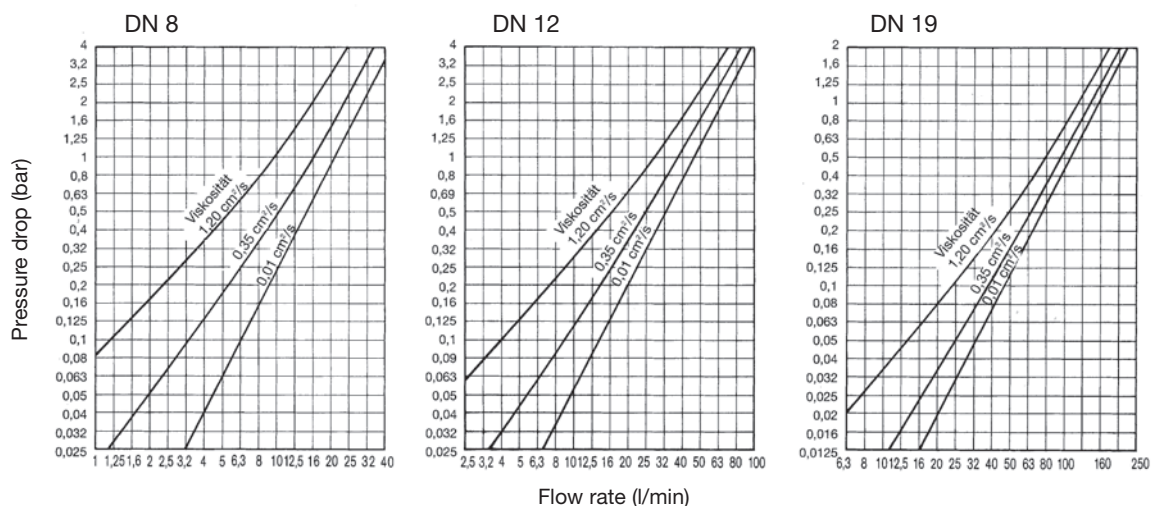
Galvanised steel with hardened parts subject to wear – Brass valve stem guide – TPE poppet valve seal (PTFE optional) – NBR O-rings (other materials optional) – Galvanised steel threaded adapters for various connection types – Polyethylene dust cap and dust plug. Cr-III zinc plating through additional passivation for improved surface protection.

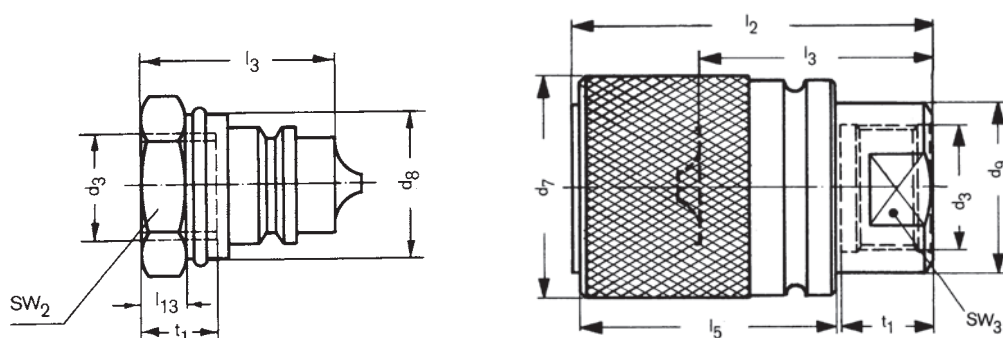
Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.





STANDARD ISO 5675 - Poppet SVK-1H

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Thread	d ₃	d ₇	d ₉	l ₂	l ₃	l ₅	t ₁	SW ₃
1219634	R1Q-340008	-5	8	5/16"	40	BSPP	3/8"	32	24	54	36	45	9	19
1219632	R1Q-340010	-8	13	1/2"	25	BSPP	1/2"	39	30	63	41	45	16	27
1229069	R1Q-340013	-12	19	3/4"	25	BSPP	1"	51	43	88,5	55	68	18	36
1229982	R1Q-340004	-5	8	5/16"	40	NPTF	3/8"	32	24	54	36	45	9	19
1229984	R1Q-340011	-8	13	1/2"	25	NPTF	1/2"-14	39	30	63	41	45	16	27
1229986	R1Q-340012	-12	19	3/4"	25	NPTF	1"	51	43	88,5	55	68	18	36
1229992	R1Q-340160	-5	8	5/16"	40	SAE/UNF	9/16"-18	32	24	54	36	45	9	19
1229994	R1Q-340166	-8	13	1/2"	25	SAE/UNF	3/4"-16	39	30	63	41	45	16	27
1229996	R1Q-340167	-12	19	3/4"	25	SAE/UN	1"5/16-12	51	43	88,5	55	68	18	36
1229089	R1Q-340007	-5	8	5/16"	40	MET	M16x1,5	32	24	54	36	45	9	19
1229090	R1Q-340009	-8	13	1/2"	25	MET	M22x1,5	39	30	63	41	45	16	27
1229091	R1Q-340130	-12	19	3/4"	25	MET	M30x1,5	51	43	88,5	55	68	18	36

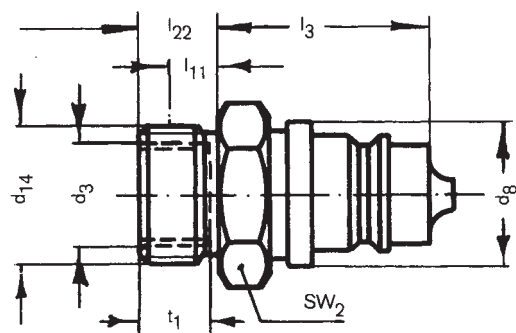
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Thread	d ₃	d ₈	l ₃	l ₁₃	t ₁	SW ₂
1219633	R1Q-340002	-5	8	5/16"	40	BSPP	3/8"	22	36	10	14	22
1219631	R1Q-340003	-8	13	1/2"	25	BSPP	1/2"	27	45	18	16	27
1229020	R1Q-340006	-12	19	3/4"	25	BSPP	1"	41	55	20	18	41
1229987	R1Q-340176	-5	8	5/16"	40	NPTF	3/8"	22	36	10	14	22
1229989	R1Q-340131	-8	13	1/2"	25	NPTF	1/2"-14	27	45	18	16	27
1229991	R1Q-340183	-12	19	3/4"	25	NPTF	1"	41	55	20	18	41
1230002	R1Q-340184	-5	8	5/16"	40	SAE/UNF	9/16"-18	22	36	10	14	22
1230004	R1Q-340208	-8	13	1/2"	25	SAE/UNF	3/4"-16	27	45	18	16	27
1230006	R1Q-340211	-12	19	3/4"	25	SAE/UN	1"5/16-12	41	55	20	18	41
1229061	R1Q-340000	-5	8	5/16"	40	MET	M16x1,5	22	36	10	14	22
1229062	R1Q-340001	-8	13	1/2"	25	MET	M22x1,5	27	45	18	16	27
1229063	R1Q-340005	-12	19	3/4"	25	MET	M30x1,5	41	55	20	18	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

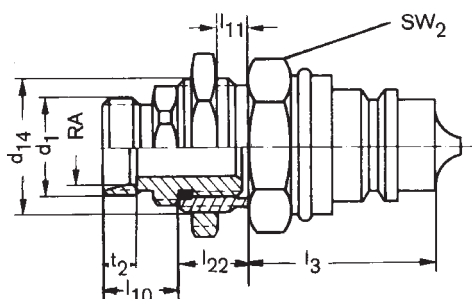


STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - internal/external thread panel mounting

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Thread	d ₃	d ₁₄	d ₈	l ₃	l ₁₁ **	l ₂₂	t ₁	SW ₂
1229058	R1Q-340132	-5	8	5/16"	40	MET	M16x1,5	M26x1,5	22	36	9	15	14	27
1229059	R1Q-340133	-8	13	1/2"	25	MET	M22x1,5	M30x1	27	33	9	15	16	32
1229060	R1Q-340134	-12	19	3/4"	25	MET	M30x1,5	M45x1,5	41	55	18	28	18	46

Metric connection according to DIN 3852



STANDARD ISO 5675 - Poppet SVK-1H

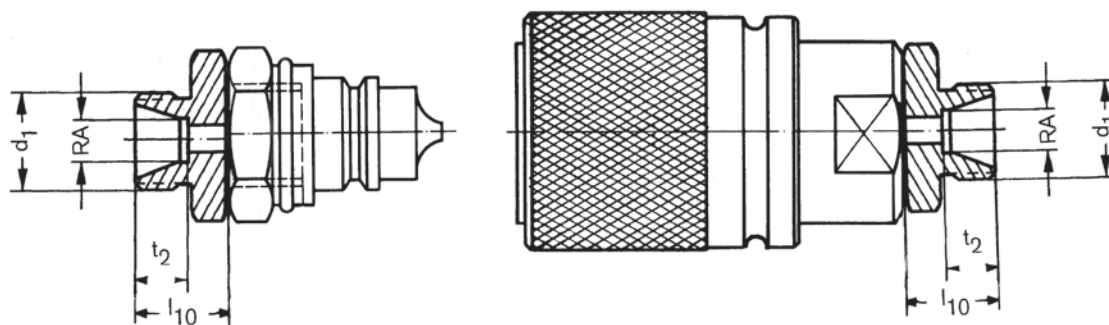
Male coupling - metric 24° light/heavy series panel mounting

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting	RA	d ₁	d ₁₄	l ₃	l ₁₀	l ₁₁ **	l ₂₂	t ₂	SW ₂
1229022	R1Q-340112	-5	8	5/16"	40	CEL	5	6	M12x1,5	M26x1,5	36	15	9	15	7	27
1229024	R1Q-340113	-5	8	5/16"	40	CEL	6	8	M14x1,5	M26x1,5	36	15	9	15	7	27
1229026	R1Q-340114	-5	8	5/16"	40	CEL	8	10	M16x1,5	M26x1,5	36	16	9	15	7	27
1229028	R1Q-340115	-8	13	1/2"	25	CEL	8	10	M16x1,5	M30x1,0	33	17	9	15	7	32
1229030	R1Q-340116	-8	13	1/2"	25	CEL	10	12	M18x1,5	M30x1,0	33	17	9	15	7	32
1229031	R1Q-340117	-8	13	1/2"	25	CEL	12	15	M22x1,5	M30x1,0	33	18	9	15	7	32
1229034	R1Q-340118	-12	19	3/4"	25	CEL	12	15	M22x1,5	M45x1,5	55	19	18	28	7	46
1229036	R1Q-340119	-12	19	3/4"	25	CEL	16	18	M26x1,5	M45x1,5	55	21	18	28	7,5	46
1229037	R1Q-340120	-12	19	3/4"	25	CEL	20	22	M30x2	M45x1,5	55	21	18	28	7,5	46
1229041	R1Q-340121*	-5	8	5/16"	40	CES	5	8	M16x1,5	M26x1,5	36	17	9	15	7	27
1229043	R1Q-340122*	-5	8	5/16"	40	CES	6	10	M18x1,5	M26x1,5	36	17	9	15	7,5	27
1229044	R1Q-340123*	-5	8	5/16"	40	CES	8	12	M20x1,5	M26x1,5	36	17	9	15	7,5	27
1229047	R1Q-340124*	-8	13	1/2"	25	CES	8	12	M20x1,5	M30x1,0	33	18	9	15	7,5	32
1229049	R1Q-340125*	-8	13	1/2"	25	CES	10	14	M22x1,5	M30x1,0	33	20	9	15	8	32
1229050	R1Q-340126*	-8	13	1/2"	25	CES	12	16	M24x1,5	M30x1,0	33	20	9	15	8,5	32
1229053	R1Q-340127*	-12	19	3/4"	25	CES	12	16	M24x1,5	M45x1,5	55	21	18	28	8,5	46
1229054	R1Q-340128*	-12	19	3/4"	25	CES	16	20	M30x2	M45x1,5	55	23	18	28	10,5	46
1229055	R1Q-340129*	-12	19	3/4"	25	CES	20	25	M36x2	M45x1,5	55	25	18	28	12	46

Metric connection according to DIN EN ISO 8434-1

* on request

** max panel width



STANDARD ISO 5675 - Poppet SVK-1H

Female coupling - metric 24° light series

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
		DASH	DN	inch							
1229070	R1Q-340046	-5	8	5/16"	40	CEL	5	6	M12x1,5	15	7
1229071	R1Q-340047	-5	8	5/16"	40	CEL	6	8	M14x1,5	15	7
1229072	R1Q-340048	-5	8	5/16"	40	CEL	8	10	M16x1,5	16	7
1229073	R1Q-340049	-8	13	1/2"	25	CEL	8	10	M16x1,5	17	7
1229074	R1Q-340050	-8	13	1/2"	25	CEL	10	12	M18x1,5	17	7
1229075	R1Q-340051	-8	13	1/2"	25	CEL	12	15	M22x1,5	18	7
1229076	R1Q-340052	-12	19	3/4"	25	CEL	12	15	M22x1,5	19	7
1229077	R1Q-340053	-12	19	3/4"	25	CEL	16	18	M26x1,5	19	7,5
1229078	R1Q-340054	-12	19	3/4"	25	CEL	20	22	M30x2,0	21	7,5

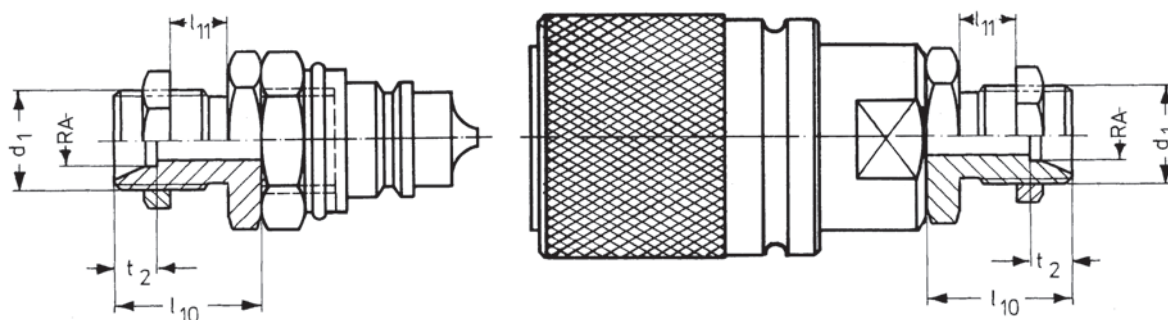
Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - metric 24° light series

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
		DASH	DN	inch							
1229021	R1Q-340037	-5	8	5/16"	40	CEL	5	6	M12x1,5	15	7
1229023	R1Q-340038	-5	8	5/16"	40	CEL	6	8	M14x1,5	15	7
1229025	R1Q-340039	-5	8	5/16"	40	CEL	8	10	M16x1,5	16	7
1229027	R1Q-340040	-8	13	1/2"	25	CEL	8	10	M16x1,5	17	7
1229029	R1Q-340041	-8	13	1/2"	25	CEL	10	12	M18x1,5	17	7
1229032	R1Q-340042	-8	13	1/2"	25	CEL	12	15	M22x1,5	18	7
1229033	R1Q-340043	-12	19	3/4"	25	CEL	12	15	M22x1,5	19	7
1229035	R1Q-340044	-12	19	3/4"	25	CEL	16	18	M26x1,5	19	7,5
1229038	R1Q-340045	-12	19	3/4"	25	CEL	20	22	M30x2,0	21	7,5

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 5675 - Poppet SVK-1H

Female coupling - metric 24° light series bulkhead

Item Code	Part Number		DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
1229079	R1Q-341415		-8	13	1/2"	25	CEL	10	12	M18x1,5	31	7

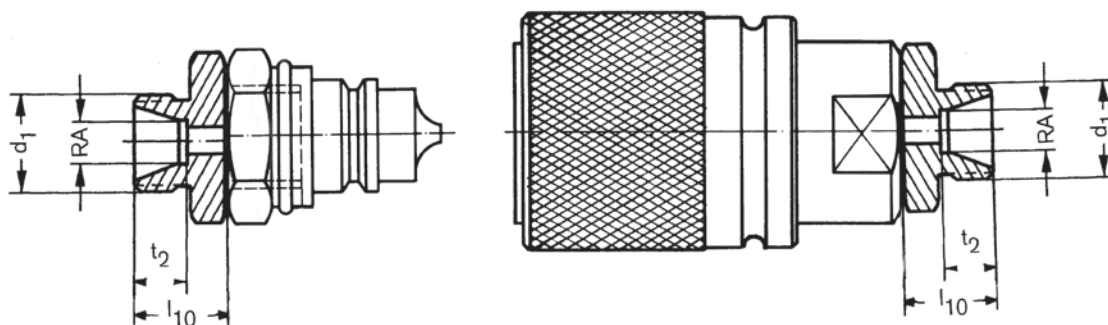
Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - metric 24° light series bulkhead

Item Code	Part Number		DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
1229039	R1Q-341414		-8	13	1/2"	25	CEL	10	12	M18x1,5	31	7

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 5675 - Poppet SVK-1H

Female coupling - metric 24° heavy series

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
		DASH	DN	inch							
1229080	R1Q-340085	-5	8	5/16"	40	CES	5	8	M16x1,5	17	7
1229081	R1Q-340086	-5	8	5/16"	40	CES	6	10	M18x1,5	17	7,5
1229082	R1Q-340087	-5	8	5/16"	40	CES	8	12	M20x1,5	17	7,5
1229083	R1Q-340088	-8	13	1/2"	25	CES	8	12	M20x1,5	18	7,5
1229084	R1Q-340089	-8	13	1/2"	25	CES	10	14	M22x1,5	20	8
1229085	R1Q-340090	-8	13	1/2"	25	CES	12	16	M24x1,5	20	8,5
1229086	R1Q-340091	-12	19	3/4"	25	CES	12	16	M24x1,5	21	8,5
1229087	R1Q-340092	-12	19	3/4"	25	CES	16	20	M30x2,0	23	10,5
1229088	R1Q-340093	-12	19	3/4"	25	CES	20	25	M36x2,0	25	12

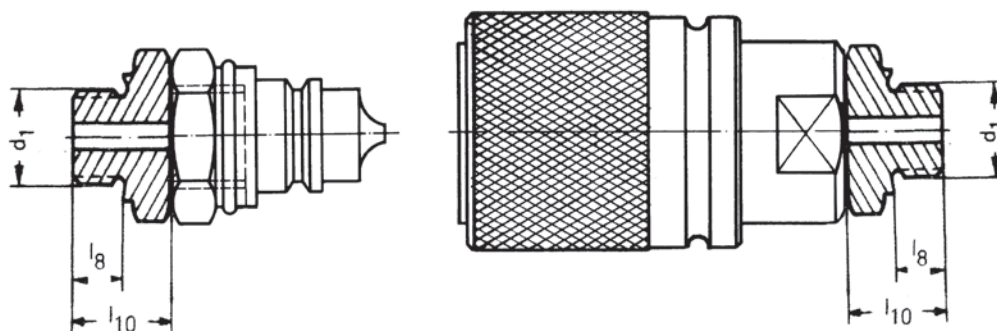
Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - metric 24° heavy series

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting mm	RA mm	d ₁	l ₁₀ mm	t ₂ mm
		DASH	DN	inch							
1229040	R1Q-340067	-5	8	5/16"	40	CES	5	8	M16x1,5	17	7
1229042	R1Q-340068	-5	8	5/16"	40	CES	6	10	M18x1,5	17	7,5
1229045	R1Q-340069	-5	8	5/16"	40	CES	8	12	M20x1,5	17	7,5
1229046	R1Q-340070	-8	13	1/2"	25	CES	8	12	M20x1,5	18	7,5
1229048	R1Q-340071	-8	13	1/2"	25	CES	10	14	M22x1,5	20	8
1229051	R1Q-340072	-8	13	1/2"	25	CES	12	16	M24x1,5	20	8,5
1229052	R1Q-340073	-12	19	3/4"	25	CES	12	16	M24x1,5	21	8,5
1229056	R1Q-340074	-12	19	3/4"	25	CES	16	20	M30x2,0	23	10,5
1229057	R1Q-340075	-12	19	3/4"	25	CES	20	25	M36x2,0	25	12

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 5675 - Poppet SVK-1H

Female coupling - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	d ₁	l ₈ mm	l ₁₀ mm
		DASH	DN	inch					
1229064	R1Q-340094	-5	8	5/16"	40	AGF	1/4"	12	19
1229065	R1Q-340095	-5	8	5/16"	40	AGF	3/8"	12	19
1229066	R1Q-340096	-8	13	1/2"	25	AGF	1/2"	14	23
1229068	R1Q-340097	-12	19	3/4"	25	AGF	3/4"	16	29
1229067	R1Q-340098	-12	19	3/4"	25	AGF	1"	18	31

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

STANDARD ISO 5675 - Poppet SVK-1H

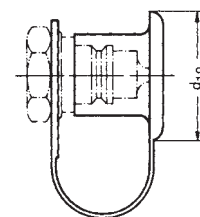
Male coupling - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	d ₁	l ₈ mm	l ₁₀ mm
		DASH	DN	inch					
1229015	R1Q-340076	-5	8	5/16"	40	AGF	1/4"	12	19
1229016	R1Q-340077	-5	8	5/16"	40	AGF	3/8"	12	19
1229017	R1Q-340078	-8	13	1/2"	25	AGF	1/2"	14	23
1229019	R1Q-340079	-12	19	3/4"	25	AGF	3/4"	16	29
1229018	R1Q-340080	-12	19	3/4"	25	AGF	1"	18	31

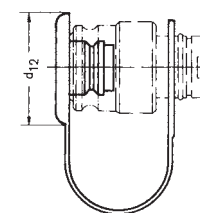
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

STANDARD ISO 5675 - Poppet SVK-1H
Black dust cap (for male coupling)

Item Code	Part Number	DASH		DN	inch	d ₁₂
						mm
1228896	RT-NE00002	-5		8	5/16"	45
1228891	RT-P900001	-8		13	1/2"	50
1228893	RT-NE00001	-12		19	3/4"	65


STANDARD ISO 5675 - Poppet SVK-1H
Black dust plug (for female coupling)

Item Code	Part Number	DASH		DN	inch	d ₁₂
						mm
1228903	RT-NE00007	-5		8	5/16"	45
1228898	RT-P600006	-8		13	1/2"	50
1228900	RT-NE00006	-12		19	3/4"	65



DN 8 to 13**WP 20 bar**

- **Base material aluminium**
- **Break-away function**
- **One-hand push pull operation**
- **Low pressure drop**

**ARGUS PVK-Racing quick release couplings**

are used for quick coupling and uncoupling of fluid lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The PVK-Racing quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves. PVK-Racing quick release couplings can be used as pull-off couplings by panel mounting the sleeve bush.

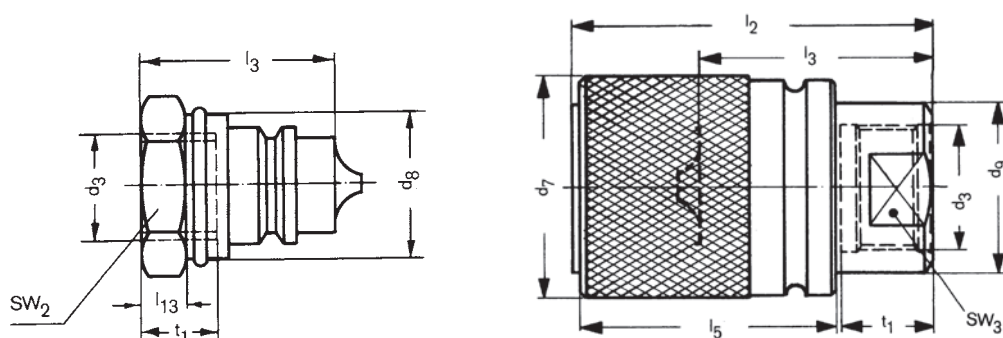
Materials

Aluminium – Brass valve stem guide – TPE poppet valve seal (PTFE optional) – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug.

Temperature range: from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.



STANDARD ISO 5675 - Poppet PVK-RACING

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Thread	d ₃	d ₇	d ₉	l ₂	l ₃	l ₅	t ₁	SW ₃
	R5Q-340008	-5	8	5/16"	2	BSPP	3/8"	32	24	54	36	45	9	19
	ON REQUEST	-8	13	1/2"	2	BSPP	1/2"	39	30	63	41	45	16	27

BSPP connection according to DIN 3852-2-X

STANDARD ISO 5675 - Poppet PVK-RACING

Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Thread	d ₃	d ₈	l ₃	l ₁₃	t ₁	SW ₂
	R5Q-340002	-5	8	5/16"	2	BSPP	3/8"	22	36	10	14	22
	ON REQUEST	-8	13	1/2"	2	BSPP	1/2"	-	45	18	16	27

BSPP connection according to DIN 3852-2-X

DN 13
WP 250 bar
SAE J 1036

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

**Connectable under pressure ARGUS**

SPK-1H quick release couplings are not only for coupling to hydraulic auxiliary equipment under residual pressure, but they also prevent from unintentional closing through the intervening backflow effect (i.e. through quickly reducing loads).

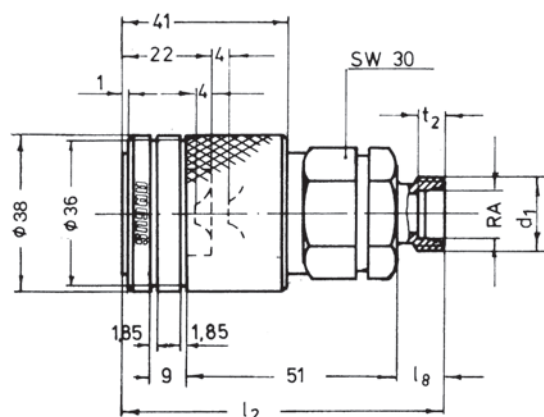
The double valve stroke required for the coupling to a pressurized plug is limited in the operating condition by a lock, which is not disengaged until decoupling occurs. This prevents any uncontrolled blocking of the hydraulic flow.

The sleeve must be relieved during the coupling action. The pressurized cartridge valve is opened by applying pressure on the socket side.

Materials, flow losses and temperatures are comparable to ARGUS SVK-1H quick release couplings. The two couplings can be interchanged, coupled and used as a pull-off coupling. For use with SVK-ISO-A or SVK-1H coupling plugs. Not recommended for direct connection to rigid pipes or distributors (in that specific case please use SRK-1H).

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.

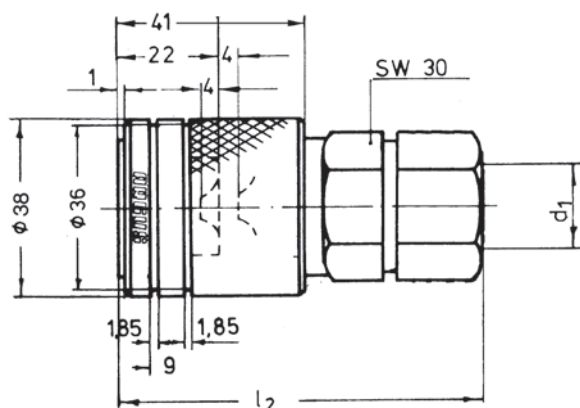


STANDARD ISO 5675 - Poppet SPK-1H

Female coupling - metric 24° light series

					WP Conn./ disconn.	Fitting	DN Fitting	RA	d ₁	I ₂	I ₃	t ₂
Item Code	Part Number	DASH	DN	inch	MPa		mm	mm		mm	mm	
1229008	R1Q-341400	-8	13	1/2"	25	CEL	8	10	M16x1,5	80	11	7
1229009	R1Q-340389	-8	13	1/2"	25	CEL	10	12	M18x1,5	78	11	7
1229010	R1Q-340399	-8	13	1/2"	25	CEL	12	15	M22x1,5	78	12	7

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 5675 - Poppet SPK-1H

Female coupling - female thread

					WP Conn./ disconn. MPa	Thread	d ₁	l ₂
Item Code	Part Number	DASH	DN	inch				mm
1231470	R1Q-1231470	-8	13	1/2"	25	BSPP	1/2"	80
1231471	R1Q-1231471	-8	13	1/2"	25	NPTF	1/2"	80
1231472	R1Q-1231472	-8	13	1/2"	25	SAE/UNF	3/4"-16	80
1231473	R1Q-1231473	-8	13	1/2"	25	MET	M22x1.5	80

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

DN 13
WP 250 bar
ISO 5675

- Connectable with male part under pressure
- One-hand operation
- Compatible with ISO 7241-1-A
- Break-away function



Connectable under pressure ARGUS SRK-1H quick release couplings are specifically designed to be directly connected to rigid pipes or distributors.

Materials

Galvanised steel with hardened parts subject to wear – Brass valve stem guide – TPE poppet valve seal (PTFE optional) – NBR O-rings (other materials optional) – Polyethylene dust cap and dust plug. Cr-III zinc plating through additional passivation for improved surface protection.

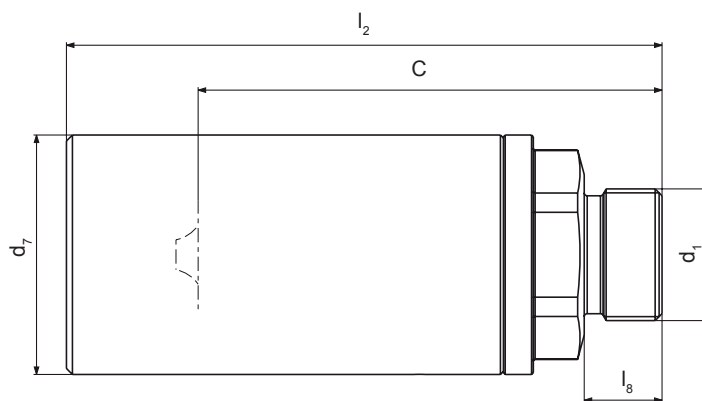
Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.



STANDARD ISO 5675 - Poppet SRK-1H

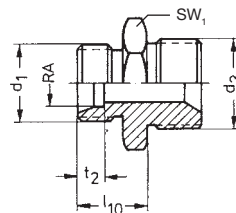
Female coupling - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	d ₇	l ₂	l ₈	C
		DASH	DN	inch							
1232324	R1Q-1232324	-8	13	1/2"	250	MET	M22x1,5	42	123,5	13	101

Threaded adapters for types SVK-1H, RV and LBS

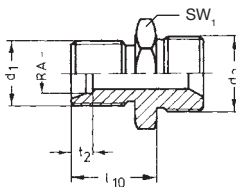
Item Code	Part Number				DN Fitting	RA	Fitting	d ₁	Fitting	d ₃	l ₁₀	t ₂	SW ₁
		DASH	DN	inch									
1228860	RA-SI00011	-5	8	5/16"	5	6	CEL	M12x1,5	MET	M16x1,5	15	7	19
1228862	RA-SI00007	-5	8	5/16"	6	8	CEL	M14x1,5	MET	M16x1,5	15	7	19
1228863	RA-MA00003	-5	8	5/16"	8	10	CEL	M16x1,5	MET	M16x1,5	16	7	19
1228842	RA-SI00012	-8	13	1/2"	8	10	CEL	M16x1,5	MET	M22x1,5	17	7	24
1228843	RA-MA00002	-8	13	1/2"	10	12	CEL	M18x1,5	MET	M22x1,5	17	7	24
1228845	RA-SI00009	-8	13	1/2"	12	15	CEL	M22x1,5	MET	M22x1,5	18	7	24
1228851	RA-IN00001	-12	19	3/4"	12	15	CEL	M22x1,5	MET	M30x1,5	19	7	32
1228853	RA-SI00008	-12	19	3/4"	16	18	CEL	M26x1,5	MET	M30x1,5	19	7,5	32
1228854	RA-SI00010	-12	19	3/4"	20	22	CEL	M30x2,0	MET	M30x1,5	21	7,5	32

Metric connection according to DIN EN ISO 8434-1



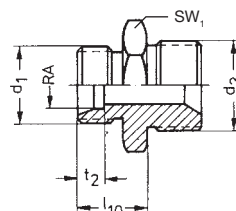
Item Code	Part Number				DN Fitting	RA	Fitting	d ₁	Fitting	d ₃	l ₁₀	t ₂	SW ₁
		DASH	DN	inch									
1228861	RA-SI00013	-8	13	1/2"	10	12	CEL BH	M18x1,5	MET	M22x1,5	31	7	24

Metric connection according to DIN EN ISO 8434-1



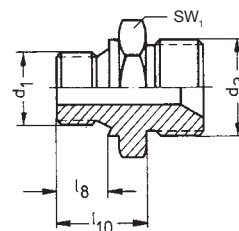
Item Code	Part Number				DN Fitting	RA	Fitting	d ₁	Fitting	d ₃	l ₁₀	t ₂	SW ₁
		DASH	DN	inch									
1228864	RA-SI00005	-5	8	5/16"	5	8	CES	M16x1,5	MET	M16x1,5	17	7	19
1228865	RA-SI00016	-5	8	5/16"	6	10	CES	M18x1,5	MET	M16x1,5	17	7,5	19
1228866	RA-SI00017	-5	8	5/16"	8	12	CES	M20x1,5	MET	M16x1,5	17	7,5	22
1228844	RA-SI00020	-8	13	1/2"	8	12	CES	M20x1,5	MET	M22x1,5	18	7,5	24
1228846	RA-SI00015	-8	13	1/2"	10	14	CES	M22x1,5	MET	M22x1,5	20	8	24
1228847	RA-MA00001	-8	13	1/2"	12	16	CES	M24x1,5	MET	M22x1,5	20	8,5	24
1228852	RA-SI00019	-12	19	3/4"	12	16	CES	M24x1,5	MET	M30x1,5	21	8,5	32
1228855	RA-SI00006	-12	19	3/4"	16	20	CES	M30x2,0	MET	M30x1,5	23	10,5	32
1228856	RA-SI00018	-12	19	3/4"	20	25	CES	M36x2,0	MET	M30x1,5	25	12	36

Metric connection according to DIN EN ISO 8434-1



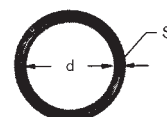
Threaded adapters for types SVK-1H, RV and LBS

Item Code	Part Number				DN Fitting	Fitting	d ₁	Fitting	d ₃	l ₈	l ₁₀	SW ₁
		DASH	DN	inch								
1228858	RA-MA00004	-5	8	5/16"	5	AGF	1/4"	MET	M16x1,5	12	19	19
1228859	RA-SI00044	-5	8	5/16"	6	AGF	3/8"	MET	M16x1,5	12	20	22
1228859	RA-SI00044	-5	8	5/16"	8	AGF	3/8"	MET	M16x1,5	12	20	22
1228841	RA-SI00043	-8	13	1/2"	8	AGF	1/2"	MET	M22x1,5	14	23	27
1228841	RA-SI00043	-8	13	1/2"	10	AGF	1/2"	MET	M22x1,5	14	23	27
1228841	RA-SI00043	-8	13	1/2"	12	AGF	1/2"	MET	M22x1,5	14	23	27
1228850	RA-SI00030	-12	19	3/4"	12	AGF	3/4"	MET	M30x1,5	16	29	32
1228850	RA-SI00030	-12	19	3/4"	16	AGF	3/4"	MET	M30x1,5	16	29	32
1228849	RA-BU00007	-12	19	3/4"	20	AGF	1"	MET	M30x1,5	18	31	41



AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

Item Code	Part Number				O-Ring
		DASH	DN	inch	
1209221	HN0J0800-120200	-5	8	5/16"	12 x 2
1214466	HN0J0800-180200	-8	13	1/2"	18 x 2
1209227	HN0J0800-260200	-12	19	3/4"	26 x 2



NBR 80SH O-Rings

DN 13
WP 350 bar

- To easily adapt flat face to ISO A couplings

Patent Pending



ARGUS Quick Release Adapters provide an easy and reliable connection between female poppet ISO 7241 A and male flat face ISO 16028 couplings, or between female flat face ISO 16028 and male poppet ISO 7241 A couplings.

This allows the user to adapt an already existing quick release part to a new type of connection.

Materials

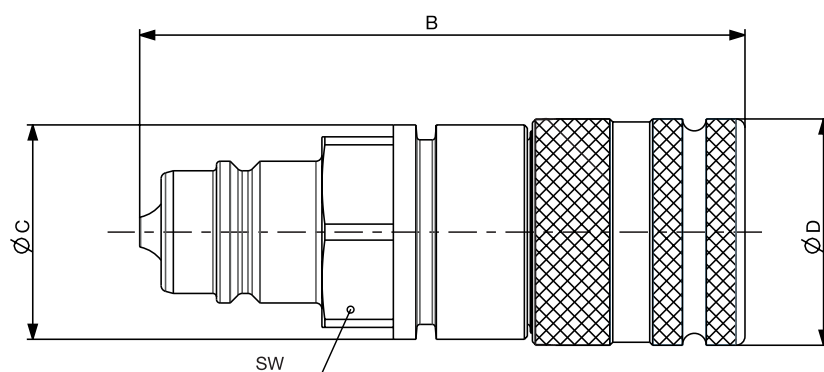
Housing and valves galvanised steel with hardened parts subject to wear. Seals HNBR (other materials on request) – backup rings PTFE – Polyethylene dust cap and dust plug. Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for fluid lines with mineral oil based hydraulic fluids according DIN 51524 T1 + T2. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

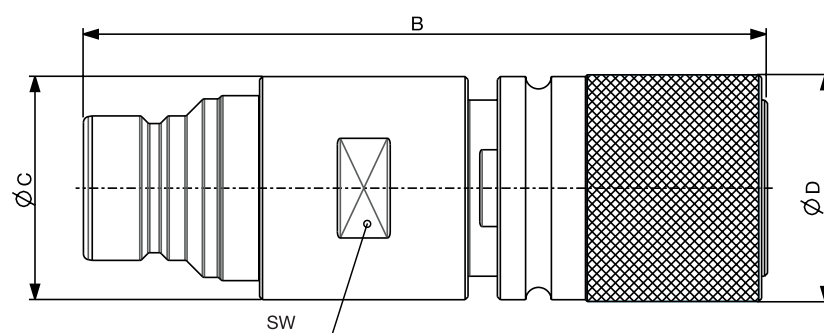
Temperature range from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.


QUICK RELEASE ADAPTER - Flat Face - ISO A 1/2"
Female flat face ISO 16028 - Male poppet ISO 7241 A

Item Code	Part Number				WP Connected MPa	Min BP Connected MPa	Ø C	Ø D	B	SW
		DASH	DN	inch			mm	mm	mm	mm
1230322	R1Q-1230322	-8	13	1/2	35	140	38	38	102,1	32


QUICK RELEASE ADAPTER - Flat Face - ISO A 1/2"
Male flat face ISO 16028 - Female poppet ISO 7241 A

Item Code	Part Number				WP Connected MPa	Min BP Connected MPa	Ø C	Ø D	B	SW
		DASH	DN	inch			mm	mm	mm	mm
1230323	R1Q-1230323	-8	13	1/2	35	140	38	38,6	116,5	34

DN 13
WP 350 bar

- To easily adapt flat face to ISO A couplings
- Male flat face part connectable under pressure

Patent Pending



Connectable under pressure ARGUS Quick Release Adapter provide an easy and reliable connection between female poppet ISO 7241 A and male flat face ISO 16028 couplings, or between female flat face ISO 16028 and male poppet ISO 7241 A couplings.

This allows the user to adapt an already existing quick release part to a new type of connection.

Materials

Housing and valves galvanised steel with hardened parts subject to wear.
Seals HNBR (other materials on request) – backup rings PTFE – Polyethylene dust cap and dust plug.

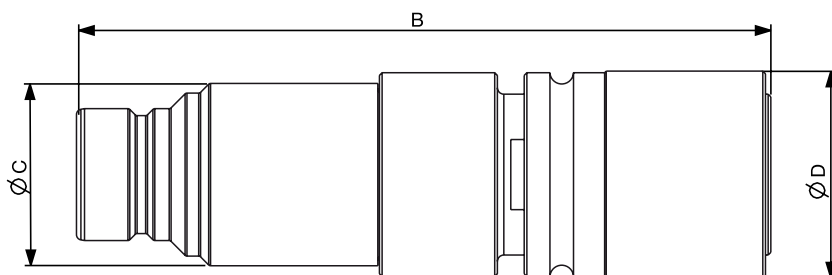
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for fluid lines with mineral oil based hydraulic fluids according DIN 51524 T1 + T2. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.



QUICK RELEASE ADAPTER - Flat Face - ISO A 1/2"

Male flat face ISO 16028 - Female poppet ISO 7241 A

Item Code	Part Number				WP Connected	Min BP Connected	Ø C	Ø D	B	SW
		DASH	DN	inch	MPa	MPa	mm	mm	mm	mm
1232286	R1Q-1232286	-8	13	1/2	35	140	38	38,6	129,5	34

DN 6 to 25
WP 350 bar

- Flow performance optimized by CFD
- Low leak-oil rates, eco-friendly
- Robust, compact and lightweight
- Extended temperature range

Patent Pending



ARGUS FPK flat face quick release

couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated. The FPK flat face quick release coupling, formed by a coupling plug and a coupling socket, is coupled by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

The sleeve is designed to be moved in the relevant direction for disconnecting or connecting the coupling halves.

A safety system against accidental uncoupling is present on the female part.

Materials

Galvanised steel with hardened parts subject to wear.

HNBR seals (other materials on request) – backup rings PTFE – Polyethylene dust cap and dust plug.

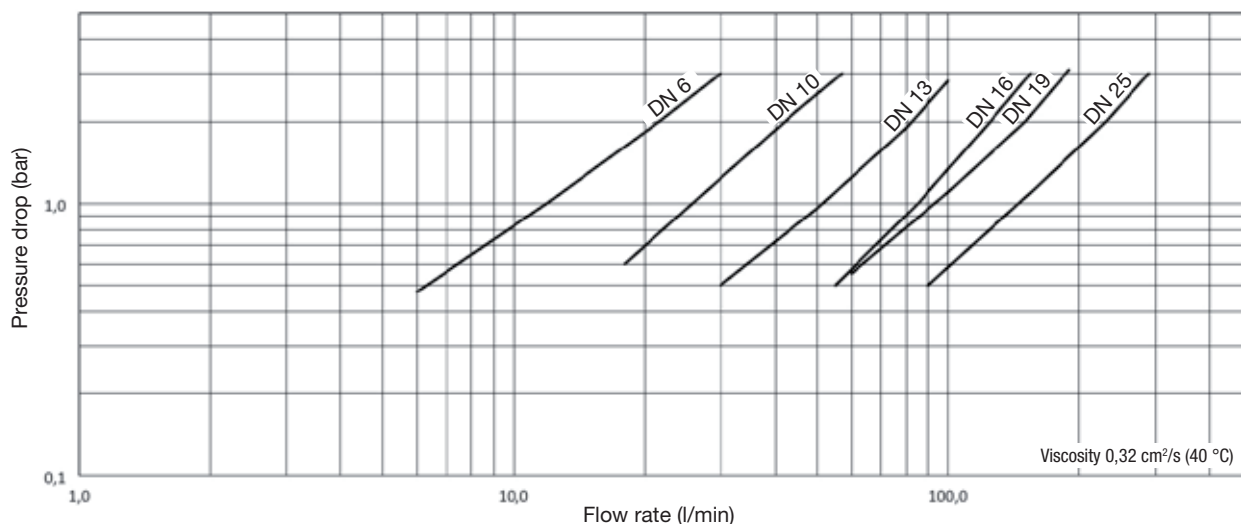
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for fluid lines with mineral oil based hydraulic fluids according DIN 51524 T1+T2. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range from -30 °C to +125 °C.

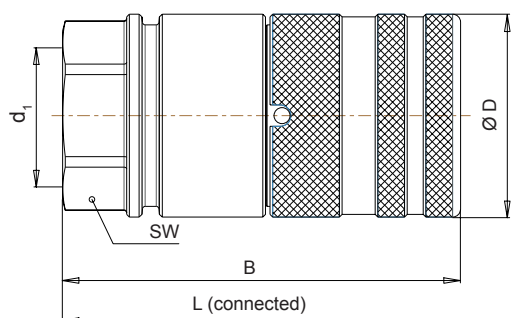
Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.



Values obtained with the same nominal size of coupling and connection (e.g. coupling 1/2", connection BSP 1/2").

For the evaluation of the actual pressure drops and for the comparison among different quick couplings, it is strictly needed to be aware of the test conditions those values have been determined at.

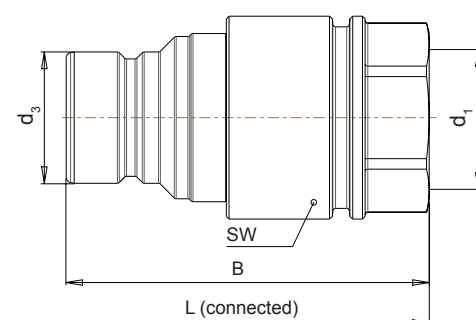


STANDARD ISO 16028 - Flat Face FPK

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	Ø D	L	SW
1229101	R1Q-1229101	-4	6	1/4"	35	140	BSPP	1/4"	49,2	28	96,3	20
1229102	R1Q-1229102	-6	10	3/8"	35	140	BSPP	3/8"	67	32	129	27
1224380	R1Q-1224380	-6	10	3/8"	35	140	BSPP	1/2"	67	32	129	27
1229103	R1Q-1229103	-8	13	1/2"	35	140	BSPP	1/2"	74,6	38	142,6	32
1224381	R1Q-1224381	-8	13	1/2"	35	140	BSPP	3/4"	74,6	38	142,6	32
1232287	R1Q-1232287	-10	16	5/8"	35	140	BSPP	3/4"	81,3	40	133,5	34
1229105	R1Q-1229105	-12	19	3/4"	35	140	BSPP	3/4"	92,5	48	177,5	42
1224382	R1Q-1224382	-12	19	3/4"	35	140	BSPP	1"	92,5	48	177,5	42
1231464	R1Q-1231464	-16	25	1"	35	140	BSPP	1"	100,5	55	199,5	50
1229106	R1Q-1229106	-16	25	1"	35	140	BSPP	1 1/4"	100,5	55	199,5	50
1229213	R1Q-1229213	-4	6	1/4"	35	140	NPTF	1/4"	49,2	28	96,3	20
1229214	R1Q-1229214	-6	10	3/8"	35	140	NPTF	3/8"	67	32	129	27
1229216	R1Q-1229216	-8	13	1/2"	35	140	NPTF	1/2"	74,6	38	142,6	32
1232382	R1Q-1232382	-10	16	5/8"	35	140	NPTF	3/4"	81,3	40	133,5	34
1229219	R1Q-1229219	-12	19	3/4"	35	140	NPTF	3/4"	92,5	48	177,5	42
1231467	R1Q-1231467	-16	25	1"	35	140	NPTF	1"	100,5	55	199,5	50
1229236	R1Q-1229236	-6	10	3/8"	35	140	SAE/UNF	9/16"-18	67	32	129	27
1229238	R1Q-1229238	-8	13	1/2"	35	140	SAE/UNF	3/4"-16	74,6	38	142,6	32
1232384	R1Q-1232384	-10	16	5/8"	35	140	SAE/UN	1"1/16-12	81,3	40	133,5	34
1229241	R1Q-1229241	-12	19	3/4"	35	140	SAE/UN	1"1/16-12	92,5	48	177,5	42
1229243	R1Q-1229243	-16	25	1"	35	140	SAE/UN	1"5/16-12	100,5	55	199,5	50
1231469	R1Q-1231469	-6	10	3/8"	35	140	MET	M22x1,5	67	32	129	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1

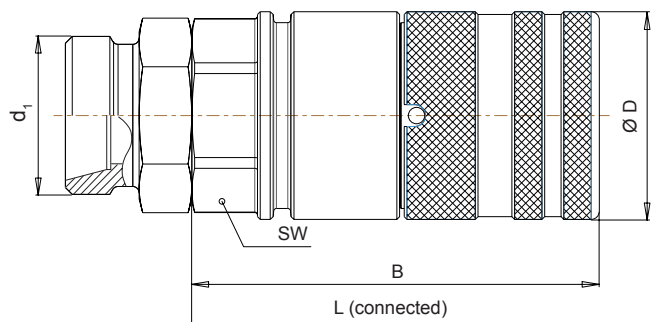


STANDARD ISO 16028 - Flat Face FPK

Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
1229109	R1Q-1229109	-4	6	1/4"	35	140	BSPP	1/2"	49,2	16,2	96,3	20
1229110	R1Q-1229110	-6	10	3/8"	35	140	BSPP	3/8"	62	19,7	129	27
1229111	R1Q-1229111	-6	10	3/8"	35	140	BSPP	1/2"	62	19,7	129	27
1229112	R1Q-1229112	-8	13	1/2"	35	140	BSPP	1/2"	68	24,6	142,6	32
1224377	R1Q-1224377	-8	13	1/2"	35	140	BSPP	3/4"	68	24,6	142,6	32
1232288	R1Q-1232288	-10	16	5/8"	35	140	BSPP	3/4"	70	27	133,5	34
1229113	R1Q-1229113	-12	19	3/4"	35	140	BSPP	3/4"	85	29,9	177,5	42
1224378	R1Q-1224378	-12	19	3/4"	35	140	BSPP	1"	85	29,9	177,5	42
1231463	R1Q-1231463	-16	25	1"	35	140	BSPP	1"	99	36	199,5	50
1229114	R1Q-1229114	-16	25	1"	35	140	BSPP	1 1/4"	99	36	199,5	50
1229224	R1Q-1229224	-4	6	1/4"	35	140	NPTF	1/2"	49,2	28	96,3	20
1229225	R1Q-1229225	-6	10	3/8"	35	140	NPTF	3/8"	62	19,7	129	27
1229227	R1Q-1229227	-8	13	1/2"	35	140	NPTF	1/2"	68	24,6	142,6	32
1232383	R1Q-1232383	-10	16	5/8"	35	140	NPTF	3/4"	70	27	133,5	34
1229230	R1Q-1229230	-12	19	3/4"	35	140	NPTF	3/4"	85	29,9	177,5	42
1231466	R1Q-1231466	-16	25	1"	35	140	NPTF	1"	99	36	199,5	50
1229247	R1Q-1229247	-6	10	3/8"	35	140	SAE/UNF	9/16"-18	62	19,7	129	27
1229249	R1Q-1229249	-8	13	1/2"	35	140	SAE/UNF	3/4"-16	68	24,6	142,6	32
1232385	R1Q-1232385	-10	16	5/8"	35	140	SAE/UN	1"1/16-12	70	27	133,5	34
1229252	R1Q-1229252	-12	19	3/4"	35	140	SAE/UN	1"1/16-12	85	29,9	177,5	42
1229254	R1Q-1229254	-16	25	1"	35	140	SAE/UN	1"5/16-12	99	36	199,5	50
1231468	R1Q-1231468	-6	10	3/8"	35	140	MET	M22x1,5	62	19,7	129	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1

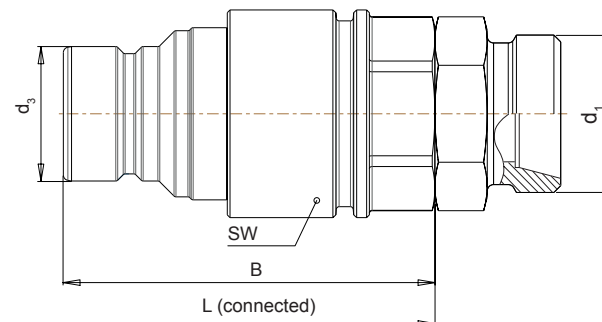


STANDARD ISO 16028 - Flat Face FPK

Female coupling - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	DN Fitting	RA mm	d ₁	SW mm	B mm	Ø D mm	L mm
	R1Q-341977	-6	10	3/8"	35	140	CEL	8	10	M16x1,5	27	101	32	147
	R1Q-341978	-6	10	3/8"	35	140	CEL	10	12	M18x1,5	27	101	32	147
	R1Q-341979	-6	10	3/8"	35	140	CEL	12	15	M22x1,5	27	103	32	149
	R1Q-341980	-8	13	1/2"	35	140	CEL	10	12	M18x1,5	32	110,6	38	161
	R1Q-341981	-8	13	1/2"	35	140	CEL	20	15	M22x1,5	32	112,6	38	163
	R1Q-341985	-12	19	3/4"	35	140	CEL	16	18	M26x1,5	41	124	47	190
	R1Q-341986	-12	19	3/4"	35	140	CEL	20	22	M30x2,0	41	128	47	194
	R1Q-341987	-16	25	1"	35	140	CEL	20	22	M30x2,0	50	142	56	207
	R1Q-341988	-16	25	1"	35	140	CEL	25	28	M36x2,0	50	148	56	213
	R1Q-341992	-6	10	3/8"	35	140	CES	8	12	M20x1,5	27	103	32	149
	R1Q-341993	-6	10	3/8"	35	140	CES	10	14	M22x1,5	27	107	32	153
	R1Q-341994	-6	10	3/8"	35	140	CES	12	16	M24x1,5	27	107	32	153
	R1Q-341995	-8	13	1/2"	35	140	CES	10	14	M22x1,5	32	114,6	38	165
	R1Q-341996	-8	13	1/2"	35	140	CES	12	16	M24x1,5	32	116,6	38	167
	R1Q-342000	-12	19	3/4"	35	140	CES	16	20	M30x2,0	41	132	47	198
	R1Q-342001	-12	19	3/4"	35	140	CES	20	25	M36x2,0	41	136	47	202
	R1Q-342002	-12	19	3/4"	35	140	CES	25	30	M42x2,0	41	140	47	206
	R1Q-342003	-16	25	1"	35	140	CES	20	25	M36x2,0	50	158	56	223
	R1Q-342004	-16	25	1"	35	140	CES	25	30	M42x2,0	50	162	56	227

Metric connection according to DIN EN ISO 8434-1



STANDARD ISO 16028 - Flat Face FPK

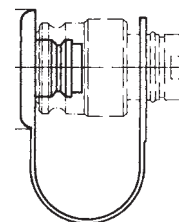
Male coupling - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Fitting	DN Fitting	RA mm	d_1	SW mm	B mm	d_3 mm	L mm
	R1Q-341948	-6	10	3/8"	35	140	CEL	10	12	M18x1,5	27	96	19,7	147
	R1Q-341949	-6	10	3/8"	35	140	CEL	12	15	M22x1,5	27	98	19,7	149
	R1Q-341950	-8	13	1/2"	35	140	CEL	10	12	M18x1,5	32	104	24,6	161
	R1Q-341951	-8	13	1/2"	35	140	CEL	20	15	M22x1,5	32	106	24,6	163
	R1Q-341955	-12	19	3/4"	35	140	CEL	16	18	M26x1,5	41	118	30	190
	R1Q-341956	-12	19	3/4"	35	140	CEL	20	22	M30x2,0	41	122	30	194
	R1Q-341957	-16	25	1"	35	140	CEL	20	22	M30x2,0	50	137	36	207
	R1Q-341958	-16	25	1"	35	140	CEL	25	28	M36x2,0	50	143	36	213
	R1Q-341962	-6	10	3/8"	35	140	CES	8	12	M20x1,5	27	98	19,7	149
	R1Q-341963	-6	10	3/8"	35	140	CES	10	14	M22x1,5	27	102	19,7	153
	R1Q-341964	-6	10	3/8"	35	140	CES	12	16	M24x1,5	27	102	19,7	153
	R1Q-341965	-8	13	1/2"	35	140	CES	10	14	M22x1,5	32	108	24,6	165
	R1Q-341966	-8	13	1/2"	35	140	CES	12	16	M24x1,5	32	110	24,6	167
	R1Q-341970	-12	19	3/4"	35	140	CES	16	20	M30x2,0	41	126	30	198
	R1Q-341971	-12	19	3/4"	35	140	CES	20	25	M36x2,0	41	130	30	202
	R1Q-341972	-12	19	3/4"	35	140	CES	25	30	M42x2,0	41	134	30	206
	R1Q-341973	-16	25	1"	35	140	CES	20	25	M36x2,0	50	153	36	223
	R1Q-341974	-16	25	1"	35	140	CES	25	30	M42x2,0	50	157	36	227

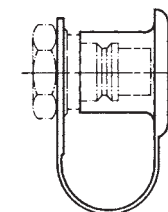
Metric connection according to DIN EN ISO 8434-1

STANDARD ISO 16028 - Flat Face FPK**Red dust cap for female coupling**

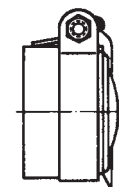
Item Code	Part Number	DASH	 DN	inch
1224407	RT-1224407	-4	6	1/4"
1224408	RT-1224408	-6	10	3/8"
1224409	RT-1224409	-8	13	1/2"
1223544	RT-1223544	-10	16	5/8"
1223537	RT-1223537	-12	19	3/4"
1223539	RT-1223539	-16	25	1"

**STANDARD ISO 16028 - Flat Face FPK****Red dust cap for male coupling**

Item Code	Part Number	DASH	 DN	inch
1223532	RT-1223532	-4	6	1/4"
1223536	RT-1223536	-6	10	3/8"
1223531	RT-1223531	-8	13	1/2"
1223535	RT-1223535	-10	16	5/8"
1223528	RT-1223528	-12	19	3/4"
1223530	RT-1223530	-16	25	1"

**STANDARD ISO 16028 - Flat Face FPK****Red dust cap with clip for female coupling**

Item Code	Part Number	DASH	 DN	inch
1219264	RT-1219264	-8	13	1/2"



DN 10 to 19
WP 350 bar

- Connectable under pressure with patented system
- Robust, compact and lightweight
- Low leak-oil rates, eco-friendly
- Low pressure drop

Patent Pending



Connectable under pressure ARGUS FPP flat face quick release couplings are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated. The FPP flat face quick release coupling, formed by a coupling plug and a coupling socket, is coupled by pushing on a sleeve. This guarantees a flush connection between the two coupling halves. The sleeve is designed to be moved in the relevant direction for disconnecting or connecting the coupling halves.

Materials

Galvanised steel with hardened parts subject to wear.
HNBR seals (other materials on request) – backup rings PTFE – Polyethylene dust cap and dust plug.
Cr-III zinc plating through additional passivation for improved surface protection.

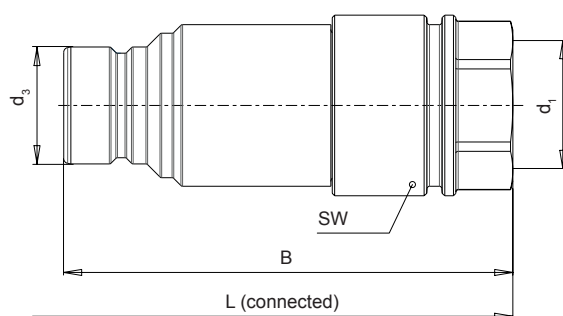
Suitable for fluid lines with mineral oil based hydraulic fluids according DIN 51524 T1+T2. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range from -30 °C to +125 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.

Maximum pressure drop at rated flow compliant with ISO 16028 standard



STANDARD ISO 16028 - Flat Face FPP connectable under pressure

Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	SW	B	d ₃	L
		DASH	DN	inch								
1232283	ON REQUEST	-6	10	3/8"	35	140	BSPP	3/8"	27	82,5	19,7	134
1231474	R1Q-1231474	-8	13	1/2"	35	140	BSPP	1/2"	32	94,5	24,6	152
1232284	ON REQUEST	-12	19	3/4"	35	140	BSPP	3/4"	42	118,5	29,9	189,5

BSPP connection according to DIN 3852-2-X

DN 8 to 32
to max. WP 450 bar

- For high pressure load
- Robust construction
- Excellent flow rate
- Can be coupled at up to 50 bar
- German standard



ARGUS HDK high pressure couplings can be used for connecting and disconnecting hydraulic lines. Their robust construction and tested components make them ideally suited for **high and intermittent pressure loads**. During the coupling action, valves that release and/or block the flow are automatically activated. The HDK quick release coupling, formed by coupling plug and coupling socket, is coupled by a screwing action with the hand nut of the plug component.

Can be coupled to a max. of 50 bar residual pressure.

Materials

Galvanised steel – Brass valve stem guide – TPE poppet valve seal (PTFE optional) – NBR O-rings (other materials optional) – Stainless steel compression spring.

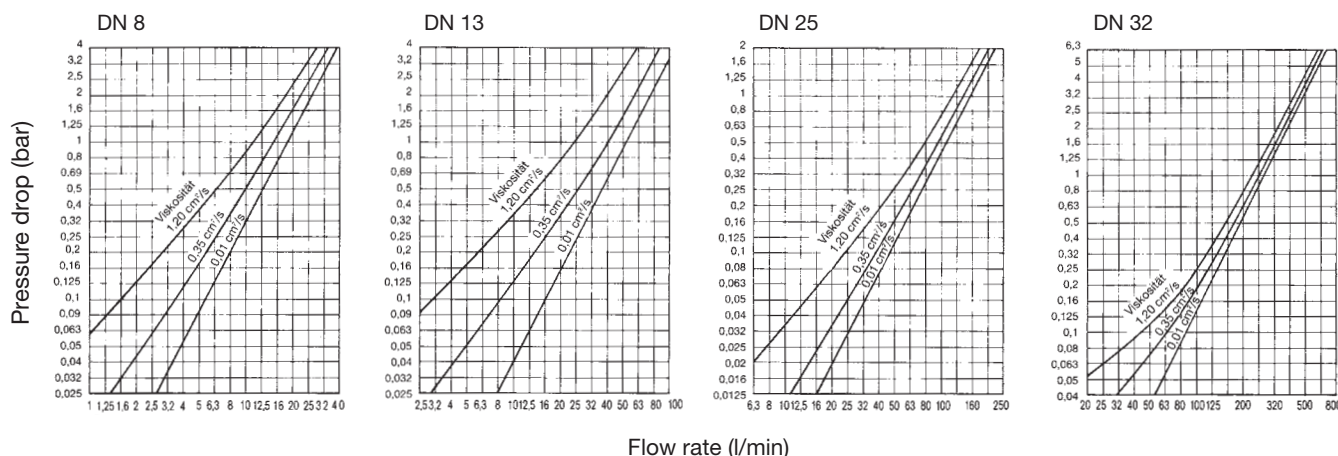
Cr-III zinc plating through additional passivation for improved surface protection.

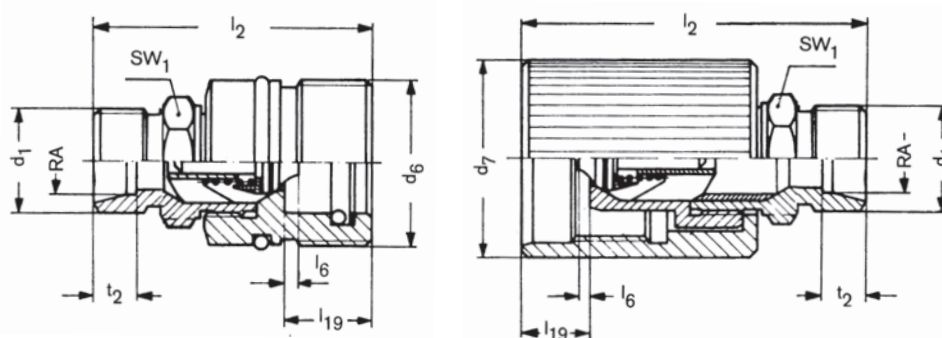
Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.





SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting	RA mm	d ₁	d ₆	l ₂ mm	l ₆ mm	l ₁₉ mm	t ₂ mm	SW ₁ mm
1228941	R1Q-340406	-5	8	5/16"	45	CEL	6	8	M14x1,5	Rd 28x2	53	3	14,5	7	22
1228942	R1Q-340407	-5	8	5/16"	45	CEL	8	10	M16x1,5	Rd 28x2	53	3	14,5	7	22
1228943	R1Q-340408	-8	13	1/2"	40	CEL	10	12	M18x1,5	Rd 36x2	56,5	3,1	17	7	24
1228944	R1Q-340409	-8	13	1/2"	40	CEL	12	15	M22x1,5	Rd 36x2	57,2	3,1	17	7	24
1228945	R1Q-340410	-16	25	1"	31,5	CEL	16	18	M26x1,5	Rd 48x3	80,5	7,6	26	7,5	41
1228946	R1Q-340411	-16	25	1"	31,5	CEL	20	22	M30x2,0	Rd 48x3	82,5	7,6	26	7,5	41
1228953	R1Q-340413	-5	8	5/16"	45	CES	6	10	M18x1,5	Rd 28x2	54	3	14,5	7,5	22
1228954	R1Q-340414	-5	8	5/16"	45	CES	8	12	M20x1,5	Rd 28x2	54	3	14,5	7,5	22
1228955	R1Q-340415	-8	13	1/2"	40	CES	10	14	M22x1,5	Rd 36x2	59,5	3,1	17	8	24
1228956	R1Q-340416	-8	13	1/2"	40	CES	12	16	M24x1,5	Rd 36x2	59,5	3,1	17	8,5	24
1228957	R1Q-340417	-16	25	1"	31,5	CES	16	20	M30x2,0	Rd 48x3	84,5	7,6	26	10,5	41
1219533	R1Q-340418	-16	25	1"	31,5	CES	20	25	M36x2,0	Rd 48x3	86,5	7,6	26	12	41
1219532	R1Q-340419	-20	32	1 1/4"	31,5	CES	25	30	M42x2,0	Rd 70x3	113	12	36	13,5	55
1219531	R1Q-340420	-20	32	1 1/4"	31,5	CES	32	38	M52x2,0	Rd 70x3	115	12	36	16	55

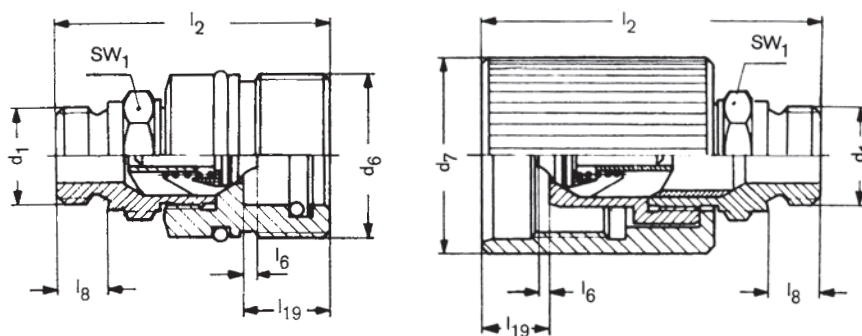
Metric connection according to DIN EN ISO 8434-1

SCREW COUPLING - Poppet HDK

Male coupling (loose part) - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting	RA mm	d ₁	d ₇	l ₂ mm	l ₆ mm	l ₁₉ mm	t ₂ mm	SW ₁ mm
1228925	R1Q-340431	-5	8	5/16"	45	CEL	6	8	M14x1,5	34	63	3	12,5	7	22
1228926	R1Q-340432	-5	8	5/16"	45	CEL	8	10	M16x1,5	34	63	3	12,5	7	22
1228927	R1Q-340433	-8	13	1/2"	40	CEL	10	12	M18x1,5	42	70,5	4	15,5	7	24
1228928	R1Q-340434	-8	13	1/2"	40	CEL	12	15	M22x1,5	42	72,5	4	15,5	7	24
1228929	R1Q-340435	-16	25	1"	31,5	CEL	16	18	M26x1,5	55	89	9	11	7,5	41
1228930	R1Q-340436	-16	25	1"	31,5	CEL	20	22	M30x2,0	55	91	9	11	7,5	41
1228931	R1Q-340437	-5	8	5/16"	45	CES	6	10	M18x1,5	34	64	3	12,5	7,5	22
1228932	R1Q-340438	-5	8	5/16"	45	CES	8	12	M20x1,5	34	64	3	12,5	7,5	22
1228933	R1Q-340439	-8	13	1/2"	40	CES	10	14	M22x1,5	42	73,5	4	15,5	8	24
1219525	R1Q-340440	-8	13	1/2"	40	CES	12	16	M24x1,5	42	73,5	4	15,5	8,5	24
1228934	R1Q-340441	-16	25	1"	31,5	CES	16	20	M30x2,0	55	93	9	11	10,5	41
1219524	R1Q-340442	-16	25	1"	31,5	CES	20	25	M36x2,0	55	95	9	11	12	41
1219523	R1Q-340443	-20	32	1 1/4"	31,5	CES	25	30	M42x2,0	80	114	12	10	13,5	55
1219522	R1Q-340444	-20	32	1 1/4"	31,5	CES	32	38	M52x2,0	80	117	12	10	16	55

Metric connection according to DIN EN ISO 8434-1



SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - male thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting	d ₁	d ₆	l ₂	l ₆	l ₈	l ₁₉	SW ₁
1228935	R1Q-340477	-5	8	5/16"	45	AGF	8	3/8"	Rd 28x2	54	3	12	14,5	22
1219534	R1Q-340478	-8	13	1/2"	40	AGF	12	1/2"	Rd 36x2	61,5	3,1	14	17	27
1228936	R1Q-340479	-16	25	1"	31,5	AGF	16	3/4"	Rd 48x3	87,5	7,6	16	26	41
1228937	R1Q-340480	-16	25	1"	31,5	AGF	20	1"	Rd 48x3	90	7,6	18	26	41

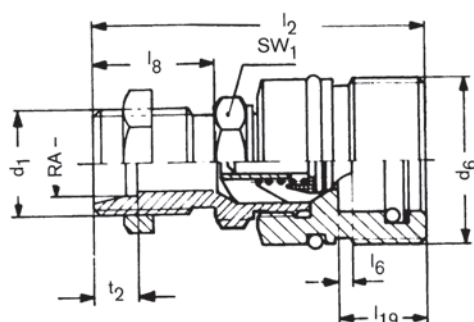
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

SCREW COUPLING - Poppet HDK

Male coupling (loose part) - male thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Fitting	DN Fitting	d ₁	d ₇	l ₂	l ₆	l ₈	l ₁₉	SW ₁
1228919	R1Q-340445	-5	8	5/16"	45	AGF	8	3/8"	34	64	3	12	12,5	22
1219526	R1Q-340446	-8	13	1/2"	40	AGF	12	1/2"	42	75,5	4	14	15,5	27
1228920	R1Q-340447	-16	25	1"	31,5	AGF	16	3/4"	55	91	9	16	11	41
1228921	R1Q-340448	-16	25	1"	31,5	AGF	20	1"	55	91	9	18	11	41

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

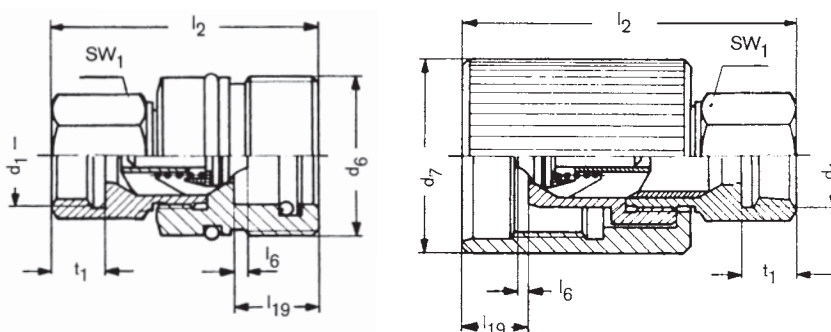


SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - metric 24° light/heavy series bulkhead

					WP Conn./ disconn.	Fitting	DN Fitting	RA	d ₁	d ₆	l ₂	l ₆	l ₈	l ₁₉	t ₂	SW
Item Code	Part Number	DASH	DN	inch	MPa			mm			mm	mm	mm	mm	mm	mm
1228947	R1Q-340456	-5	8	5/16"	45	CEL	6	8	M14x1,5	Rd 28x2	67	3	25	14,5	7	22
1228948	R1Q-340457	-5	8	5/16"	45	CEL	8	10	M16x1,5	Rd 28x2	67	3	26	14,5	7	22
1228949	R1Q-340458	-8	13	1/2"	40	CEL	10	12	M18x1,5	Rd 36x2	70,5	4	25	17	7	24
1228950	R1Q-340459	-8	13	1/2"	40	CEL	12	15	M22x1,5	Rd 36x2	72,5	4	27	17	7	24
1228951	R1Q-340460	-16	25	1"	31,5	CEL	16	18	M26x1,5	Rd 48x3	102,5	9	34	26	7,5	41
1228952	R1Q-340461	-16	25	1"	31,5	CEL	20	22	M30x2,0	Rd 48x3	104,5	9	36	26	7,5	41
1228958	R1Q-340462	-5	8	5/16"	45	CES	6	10	M18x1,5	Rd 28x2	69	3	27	14,5	7,5	22
1228959	R1Q-340463	-5	8	5/16"	45	CES	8	12	M20x1,5	Rd 28x2	69	3	27	14,5	7,5	22
1228960	R1Q-340464	-8	13	1/2"	40	CES	10	14	M22x1,5	Rd 36x2	73	4	27	17	8	24
1228961	R1Q-340465	-8	13	1/2"	40	CES	12	16	M24x1,5	Rd 36x2	73	4	27	17	8,5	27
1219539	R1Q-340466	-16	25	1"	31,5	CES	16	20	M30x2,0	Rd 48x3	104,5	9	36	26	10,5	41
1228962	R1Q-340467	-16	25	1"	31,5	CES	20	25	M36x2,0	Rd 48x3	106,5	9	38	26	12	41
1228963	R1Q-340468	-20	32	1 1/4"	31,5	CES	25	30	M42x2,0	Rd 70x3	131	12	40	36	13,5	55
1228964	R1Q-340469	-20	32	1 1/4"	31,5	CES	32	38	M52x2,0	Rd 70x3	134	12	40	36	16	55

Metric connection according to DIN EN ISO 8434-1



SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	d ₆	l ₂	l ₆	l ₁₉	t ₁	SW ₁
		DASH	DN	inch									
1219538	R1Q-340449	-5	8	5/16"	45	BSPP	3/8"	Rd 28x2	55	3	14,5	14	22
1219537	R1Q-340450	-8	13	1/2"	40	BSPP	1/2"	Rd 36x2	60,5	4	17	16	27
1219536	R1Q-340451	-16	25	1"	31,5	BSPP	3/4"	Rd 48x3	89,5	9	26	18	41
1219535	R1Q-340452	-16	25	1"	31,5	BSPP	1"	Rd 48x3	92,5	9	26	20	41
1230056	R1Q-340421	-20	32	1 1/4"	31,5	BSPP	1 1/4"	Rd 70x3	115	12	36	-	55
1228938	R1Q-340453	-8	13	1/2"	4	NPTF	1/2"-14	Rd 36x2	61,5	4	17	16,5	27
1228939	R1Q-340454	-16	25	1"	3,15	NPTF	3/4"-14	Rd 48x3	84,5	9	26	17	41
1228940	R1Q-340455	-16	25	1"	3,15	NPTF	1"-11,5	Rd 48x3	88,5	9	26	20,5	41
1232387	R1Q-340422	-20	32	1 1/4"	31,5	NPTF	1 1/4"	Rd 70x3	115	12	36	-	55
1231479	R1Q-340412	-16	25	1"	31,5	SAE UN	1 1/16"-12	Rd 48x3	89,5	9	26	18	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

SCREW COUPLING - Poppet HDK

Male coupling (loose part) - female thread

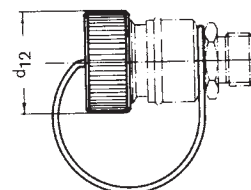
Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	d ₇	l ₂	l ₆	l ₁₉	t ₁	SW ₁
		DASH	DN	inch									
1219530	R1Q-340470	-5	8	5/16"	45	BSPP	3/8"	34	65	3	12,5	14	22
1219529	R1Q-340471	-8	13	1/2"	40	BSPP	1/2"	42	74,5	4	15,5	16	27
1219528	R1Q-340472	-16	25	1"	31,5	BSPP	3/4"	55	98	9	11	18	41
1219527	R1Q-340473	-16	25	1"	31,5	BSPP	1"	55	101	9	11	20	41
1230063	R1Q-340423	-20	32	1 1/4"	31,5	BSPP	1 1/4"	80	117	12	10	-	55
1228922	R1Q-340474	-8	13	1/2"	40	NPTF	1/2"-14	42	75,5	4	15,5	16,5	27
1228923	R1Q-340475	-16	25	1"	31,5	NPTF	3/4"-14	55	93	9	11	17	41
1228924	R1Q-340476	-16	25	1"	31,5	NPTF	1"-11,5	55	97	9	11	20,5	41
1232388	R1Q-340424	-20	32	1 1/4"	31,5	NPTF	1 1/4"	80	117	12	10	-	55
1231480	R1Q-340486	-16	25	1"	31,5	SAE UN	1 1/16"-12	55	98	9	11	18	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

SCREW COUPLING - Poppet HDK

Black cap for female coupling (fixed part)

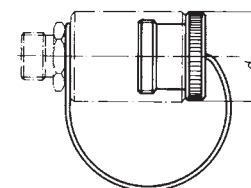
Item Code	Part Number	DASH		DN	inch	d ₁₂
						mm
1228904	RT-P600002	-5		8	5/16"	34
1228899	RT-P600003	-8		13	1/2"	42
1228901	RT-P600004	-16		25	1"	55
1228902	RT-P600005	-20		32	1 1/4"	80



SCREW COUPLING - Poppet HDK

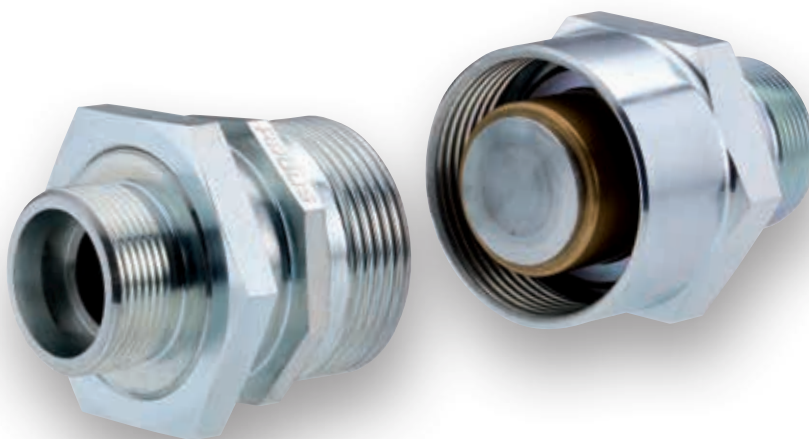
Black plug for male coupling (loose part)

Item Code	Part Number	DASH		DN	inch	d ₁₂
						mm
1228897	RT-P600007	-5		8	5/16"	34
1228892	RT-P600008	-8		13	1/2"	42
1228894	RT-P600009	-16		25	1"	55
1228895	RT-P600010	-20		32	1 1/4"	80



DN 10 to 25
to max. WP 315 bar

- Very low leak-oil rates, eco-friendly
- Highly robust construction
- Low pressure drop
- Can be coupled by hand at up to 20 bar



ARGUS RK pipe couplings enable oil leak-free connection and disconnection of hydraulic lines. The coupling consists of one fixed and one loose half. The two halves are coupled by a screwing action with hand nuts and/or hand wheel. During this process, valves in the two halves open against spring force.

During decoupling, these valves close before the coupling halves separate. This prevents air intake into the lines, eliminating the need of secondary venting.

Coupling can be carried out by hand **while pressurised** at up to approx. 20 bar, or by means of tools under higher pressures.

In the uncoupled status, the coupling halves are protected from contamination and damage with the components indicated as accessories.

Materials

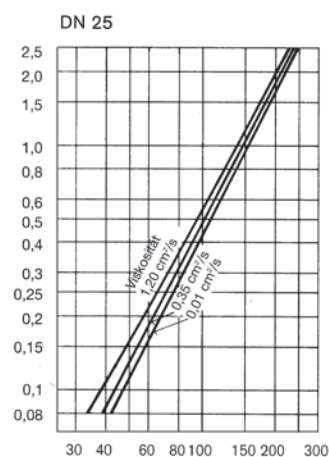
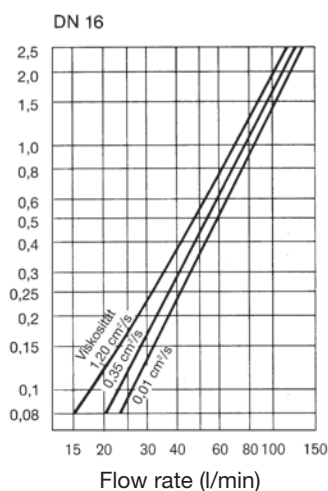
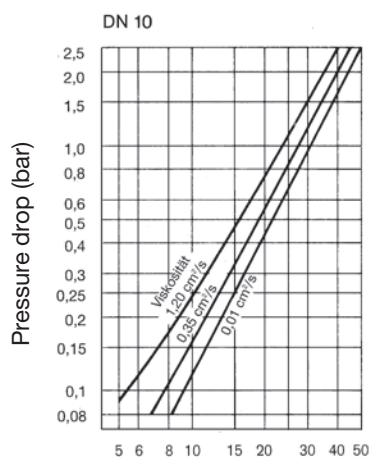
Galvanised steel housing and internal components – Brass vent sleeve in the loose half – all seals NBR (FPM seals optional). Cr-III zinc plating through additional passivation for improved surface protection.

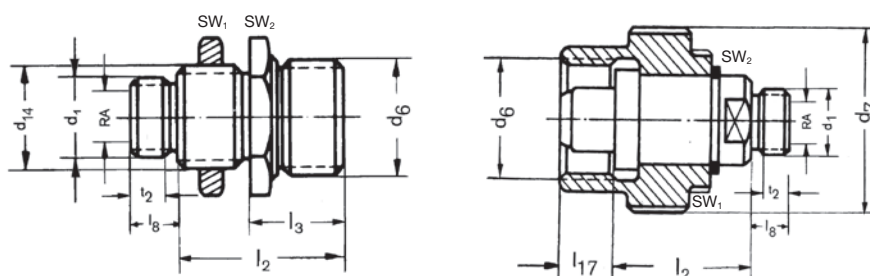
Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C (and/or with FPM seals up to +200 °C).

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.





SCREW COUPLING - Flat Face RK

Female coupling (fixed part with hexagon nut) - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Fitting	DN Fitting	RA	d ₁	d ₆	d ₁₄	l ₂	l ₃	SW ₁	SW ₂	l ₈	t ₂
1228973	R1Q-340838	-6	10	3/8"	31,5	CEL	6	8	M14x1,5	Rd 32x3	M30x1,0	44	24	36	36	10	7
1228975	R1Q-340839	-6	10	3/8"	31,5	CEL	8	10	M16x1,5	Rd 32x3	M30x1,0	44	24	36	36	11	7
1228977	R1Q-340840	-6	10	3/8"	31,5	CEL	10	12	M18x1,5	Rd 32x3	M30x1,0	44	24	36	36	11	7
1228979	R1Q-340841	-10	16	5/8"	31,5	CEL	12	15	M22x1,5	Rd 48x3	M45x1,5	63	35	55	55	12	7
1228981	R1Q-340842	-10	16	5/8"	31,5	CEL	16	18	M26x1,5	Rd 48x3	M45x1,5	63	35	55	55	12	7,5
1228983	R1Q-340843	-16	25	1"	16	CEL	20	22	M30x2,0	Rd 60x3	M56x1,5	60	34	70	64	14	7,5
1228985	R1Q-340844	-16	25	1"	16	CEL	25	28	M36x2,0	Rd 60x3	M56x1,5	60	34	70	64	14	7,5
1228987	R1Q-340859	-6	10	3/8"	31,5	CES	6	10	M18x1,5	Rd 32x3	M30x1,0	44	24	36	36	12	7,5
1228989	R1Q-340860	-6	10	3/8"	31,5	CES	8	12	M20x1,5	Rd 32x3	M30x1,0	44	24	36	36	12	7,5
1228990	R1Q-340861	-6	10	3/8"	31,5	CES	10	14	M22x1,5	Rd 32x3	M30x1,0	44	24	36	36	14	8
1222558	R1Q-340862	-10	16	5/8"	31,5	CES	12	16	M24x1,5	Rd 48x3	M45x1,5	63	35	55	55	14	8,5
1228993	R1Q-340863	-10	16	5/8"	31,5	CES	16	20	M30x2,0	Rd 48x3	M45x1,5	63	35	55	55	16	10,5
1228995	R1Q-340864	-16	25	1"	16	CES	20	25	M36x2,0	Rd 60x3	M56x1,5	60	34	70	64	18	12
1228997	R1Q-340865	-16	25	1"	16	CES	25	30	M42x2,0	Rd 60x3	M56x1,5	60	34	70	64	20	13,5

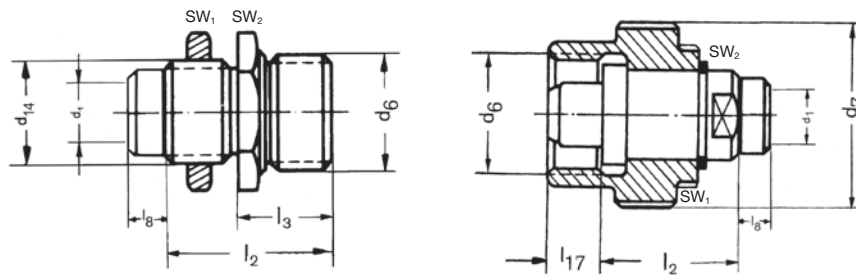
Metric connection according to DIN 8434-1

SCREW COUPLING - Flat Face RK

Male coupling (loose part) - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Fitting	DN Fitting	RA	d ₁	d ₆	d ₁₄	l ₂	l ₁₇	SW ₁	SW ₂	l ₈	t ₂
1229629	R1Q-340845	-6	10	3/8"	31,5	CEL	6	8	M14x1,5	Rd 32x3	40	37	14	32	32	10	7
1229630	R1Q-340846	-6	10	3/8"	31,5	CEL	8	10	M16x1,5	Rd 32x3	40	37	14	32	32	11	7
1229631	R1Q-340847	-6	10	3/8"	31,5	CEL	10	12	M18x1,5	Rd 32x3	40	37	14	32	32	11	7
1229632	R1Q-340848	-10	16	5/8"	31,5	CEL	12	15	M22x1,5	Rd 48x3	60	43	24	50	32	12	7
1229633	R1Q-340849	-10	16	5/8"	31,5	CEL	16	18	M26x1,5	Rd 48x3	60	43	24	50	32	12	7,5
1229634	R1Q-340850	-16	25	1"	16	CEL	20	22	M30x2,0	Rd 60x3	154	41	28	D160	41	14	7,5
1229635	R1Q-340851	-16	25	1"	16	CEL	25	28	M36x2,0	Rd 60x3	154	41	28	D160	41	14	7,5
1229636	R1Q-340866	-6	10	3/8"	31,5	CES	6	10	M18x1,5	Rd 32x3	40	37	14	32	32	12	7,5
1229637	R1Q-340867	-6	10	3/8"	31,5	CES	8	12	M20x1,5	Rd 32x3	40	37	14	32	32	12	7,5
1229638	R1Q-340868	-6	10	3/8"	31,5	CES	10	14	M22x1,5	Rd 32x3	40	37	14	32	32	14	8
1222559	R1Q-340869	-10	16	5/8"	31,5	CES	12	16	M24x1,5	Rd 48x3	60	43	24	50	32	14	8,5
1229640	R1Q-340870	-10	16	5/8"	31,5	CES	16	20	M30x2,0	Rd 48x3	60	43	24	50	32	16	10,5
1229641	R1Q-340871	-16	25	1"	16	CES	20	25	M36x2,0	Rd 60x3	154	41	28	D160	41	18	12
1229642	R1Q-340872	-16	25	1"	16	CES	25	30	M42x2,0	Rd 60x3	154	41	28	D160	41	20	13,5

Metric connection according to DIN 8434-1



SCREW COUPLING - Flat Face RK

Female coupling (fixed part with hexagon nut) - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Thread	d ₁	d ₆	d ₁₄	l ₂	l ₃	SW ₁	SW ₂	l ₈
1232376	R1Q-340838	-6	10	3/8"	31,5	BSPP	1/2"	Rd 32x3	M30x1,0	44	24	36	36	14
1232377	R1Q-340839	-10	16	5/8"	31,5	BSPP	3/4"	Rd 48x3	M45x1,5	63	35	55	55	16
1232378	R1Q-340865	-16	25	1"	16	BSPP	1"	Rd 60x3	M56x1,5	60	34	70	64	20

BSPP connection according to DIN 3852-2-X

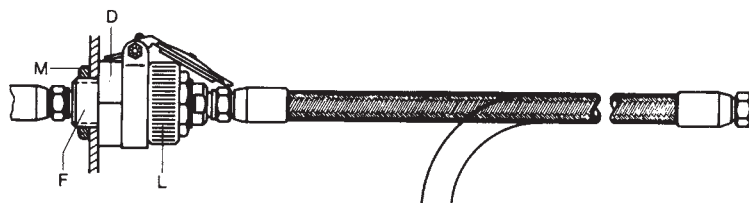
SCREW COUPLING - Flat Face RK

Male coupling (loose part) - female thread

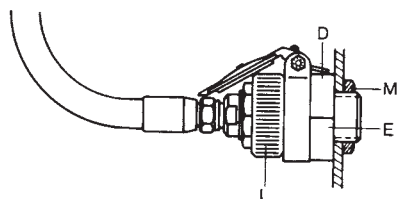
Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Thread	d ₁	d ₆	d ₇	l ₂	l ₁₇	SW ₁	SW ₂	l ₈
1232379	R1Q-1232379	-6	10	3/8"	31,5	BSPP	1/2"	Rd 32x3	40	37	14	32	32	14
1232380	R1Q-1232380	-10	16	5/8"	31,5	BSPP	3/4"	Rd 48x3	60	43	24	50	32	16
1232381	R1Q-1232381	-16	25	1"	16	BSPP	1"	Rd 60x3	154	41	28	D160	41	20

BSPP connection according to DIN 3852-2-X

DN 10 to 16 with union nut

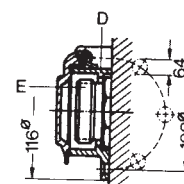
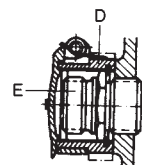
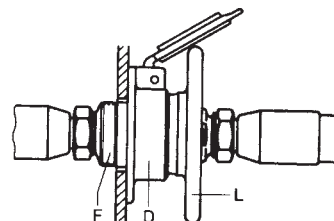


Fixed half with flange



Blind socket with dust protection

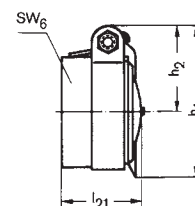
DN 25 with hand wheel
Dust protection with flange



SCREW COUPLING - Flat Face RK

Dust protection D

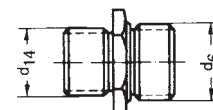
Item Code	Part Number	DASH	DN	inch	h_1 mm	h_2 mm	l_{21} mm	SW_6 mm
1228890	RT-NE00004	-6	10	3/8"	68	38	35	46
1228888	RT-NE00005	-10	16	5/8"	95,5	52	50	70
1228889	RT-GO00040	-16	25	1"	107	58	47	With flange



SCREW COUPLING - Flat Face RK

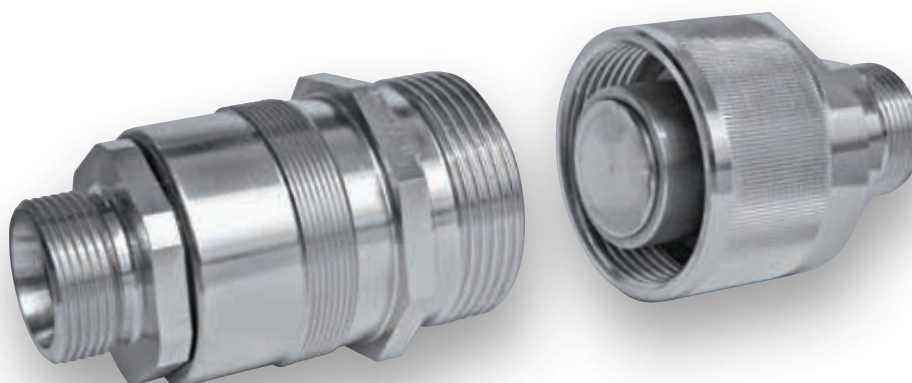
Blind socket E

Item Code	Part Number	DASH	DN	inch	d_6	d_{14}
1228867	RA-SI00089	-6	10	3/8"	Rd 32x3	M30x1,0
1228848	RA-SI00090	-10	16	5/8"	Rd 48x3	M45x1,5
1228857	RA-BU00010	-16	25	1"	Rd 60x3	Not threaded



DN 25 to 32
to max. WP 450 bar

- Flat sealing
- Low leak-oil rates, eco-friendly
- High flowrate, low pressure drop
- Can be coupled by hand at up to 20 bar
- Connection under higher residual pressure available



ARGUS RPK high pressure couplings can be used for connecting and disconnecting hydraulic lines. The valve flush design reduces fluid leakage during connection and disconnection at minimum. Their robust construction and tested components make them ideally suited for high and intermittent pressure loads. During the coupling action, valves that release and/or block the flow are automatically activated.

Type DN 25 compatible with Argus RK-coupling.

Materials

High tensile steel – Brass valve stem guide – TPE poppet valve seal (PTFE optional) – NBR O-rings (other materials optional) – Stainless steel compression spring.

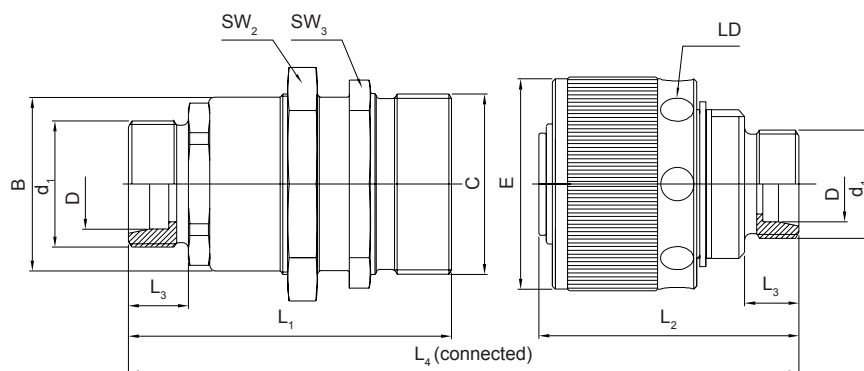
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, pneumatic and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C.

Additionally to the connection threads shown in the following tables, further types and sizes are available on request.

Specific instructions for installation, use and maintenance are separately provided.



SCREW TYPE - Flat Face RPK

Female coupling (fixed part) - metric 24° heavy series panel mounting

Item Code				WP Conn. MPa	Min BP Conn./disconn. MPa	Fitting	DN Fitting	d ₁	B	C	D	L ₁	L ₄	SW ₂	SW ₃	Flow rate	
	DASH	DN	inch								mm	mm	mm	mm	mm	5m/s* l/min	10m/s l/min
1229003	-16	25	1"	45	170/140	CES	16	M30x2	M60x1,5	Rd 60x3	20	102	158	70	64	130	260
1229004	-16	25	1"	45	170/140	CES	20	M36x2	M60x1,5	Rd 60x3	25	106	166	70	64	130	260
1229005	-16	25	1"	45	170/140	CES	25	M42x2	M60x1,5	Rd 60x3	30	108	170	70	64	130	260
1229006	-16	25	1"	45	170/140	CES	32	M52x2	M60x1,5	Rd 60x3	38	110	187	70	64	130	260
1229007	-20	32	1 1/4"	45	170/140	CES	32	M52x2	M88x2	Rd 92x4	38	117	295	110	95	260	520

Metric connection according to DIN EN ISO 8434-1

* Pressure loss 1 bar

SCREW TYPE - Flat Face RPK

Male coupling (loose part) - metric 24° heavy series

Item Code				WP Conn. MPa	Min BP Conn./disconn. MPa	Fitting	DN Fitting	d ₁	D	LD	E	L ₂	L ₄	Flow rate	
	DASH	DN	inch											5m/s* l/min	10m/s l/min
1228998	-16	25	1"	45	170/90	CES	16	M30x2	20	11	70	83	158	130	260
1228999	-16	25	1"	45	170/90	CES	20	M36x2	25	11	70	87	166	130	260
1229000	-16	25	1"	45	170/90	CES	25	M42x2	30	11	70	89	170	130	260
1229001	-16	25	1"	45	170/90	CES	32	M52x2	38	11	70	104	187	130	260
1229002	-20	32	1 1/4"	45	170/90	CES	32	M52x2	38	11	112	174	295	260	520

Metric connection according to DIN EN ISO 8434-1

* Pressure loss 1 bar

DN 6 to 16
to max. WP 315 bar

- **Break-away function**
- **Extremely low leak-oil rates, very eco-friendly**
- **Low pressure drop**
- **Can be coupled by hand at up to 20 bar**



ARGUS AK break-away couplings enable a leak-oil free connection or disconnection of hydraulic lines. The coupling consists of one fixed and one loose half.

The two halves are coupled by a screwing action with hand nut and/or hand wheel.

During this process, valves in the two halves open against spring force. During decoupling, these valves close before the coupling halves separate. This prevents air intake into the lines, eliminating the need of secondary venting.

Coupling can be carried out by hand **while pressurised** at up to approx. 20 bar, or by means of tools under higher pressures.

The coupling halves can also be pulled apart. This possibility prevents the pipeline system bursting under tensile load and thereby the medium escaping.

During the pull-off stroke, the fixed half must be connected to a hose assembly or a spring-mounted pipe.

In the uncoupled status, the coupling halves are protected from contamination and damage with the components indicated under Accessories.

Materials

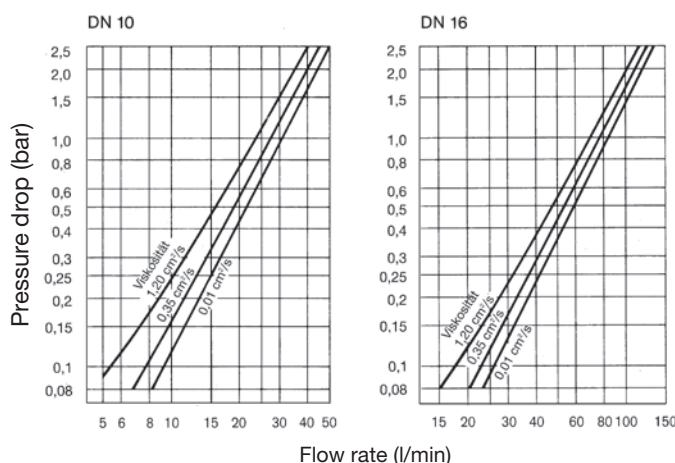
Galvanised steel housing and internal parts – Brass vent bush in the loose half – Steel DN 6 to 10 pull-off housing, from DN 12 (13) malleable iron – all seals NBR (FPM optional). Cr-III zinc plating through additional passivation for improved surface protection.

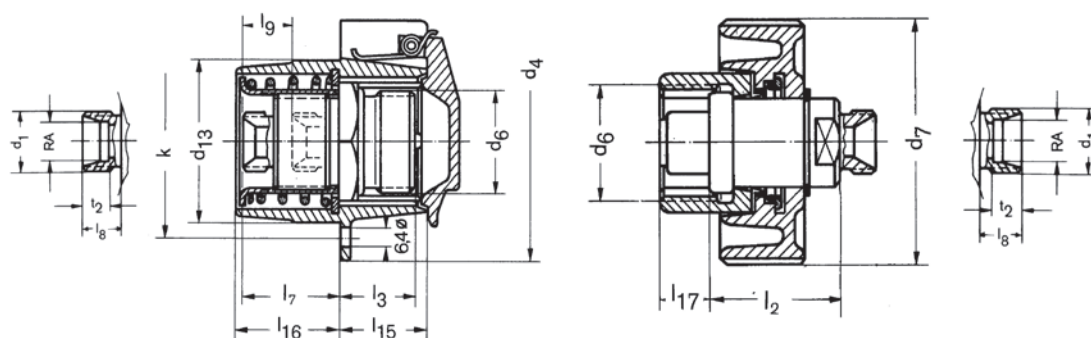
Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatic and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C

Other sizes and connection types available on request.

Specific instructions for installation, use and maintenance are separately provided.





SCREW COUPLING - Flat Face AK

Female coupling (fixed part) - metric 24° light/heavy series

Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Fitting	DN Fitting	RA	d ₁	d ₆	d ₄	d ₁₃	k	l ₃	l ₉	l ₇	l ₁₅	l ₁₆	l ₈	t ₂
1228868	R1Q-340887	-6	10	3/8"	31,5	CEL	6	8	M14x1,5	Rd 32x3	75	50	60	23	19	21	27	33	10	7
1228869	R1Q-340888	-6	10	3/8"	31,5	CEL	8	10	M16x1,5	Rd 32x3	75	50	60	23	19	21	27	33	11	7
1228870	R1Q-340889	-6	10	3/8"	31,5	CEL	10	12	M18x1,5	Rd 32x3	75	50	60	23	19	21	27	33	11	7
1228871	R1Q-340890	-10	16	5/8"	31,5	CEL	12	15	M22x1,5	Rd 48x3	112	75	95	31	26	24	42	45	12	7
1228872	R1Q-340891	-10	16	5/8"	31,5	CEL	16	18	M26x1,5	Rd 48x3	112	75	95	31	26	24	42	45	12	7,5
1228873	R1Q-340901	-6	10	3/8"	31,5	CES	6	10	M18x1,5	Rd 60x3	75	50	60	23	19	21	27	33	12	7,5
1228874	R1Q-340902	-6	10	3/8"	31,5	CES	8	12	M20x1,5	Rd 60x3	75	50	60	23	19	21	27	33	12	7,5
1228875	R1Q-340903	-6	10	3/8"	31,5	CES	10	14	M22x1,5	Rd 32x3	75	50	60	23	19	21	27	33		
1228876	R1Q-340904	-10	16	5/8"	31,5	CES	12	16	M24x1,5	Rd 32x3	112	75	95	31	26	24	42	45	14	8,5
1228877	R1Q-340905	-10	16	5/8"	31,5	CES	16	20	M30x2,0	Rd 32x3	112	75	95	31	26	24	42	45	16	10,5

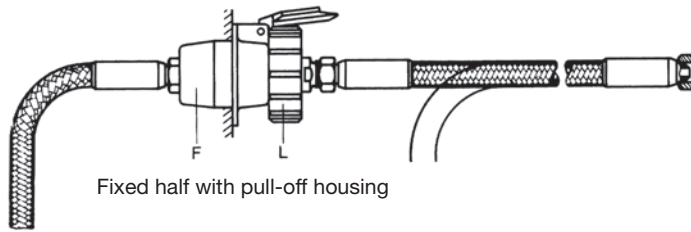
Metric connection according to DIN 8434-1

SCREW COUPLING - Flat Face AK

Male coupling (loose part) - metric 24° light/heavy series

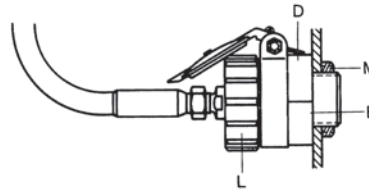
Item Code	Part Number	DASH	DN	inch	WP Conn. MPa	Fitting	DN Fitting	RA	d ₁	d ₆	d ₇	l ₂	l ₁₇	l ₈	t ₂
1228878	R1Q-340894	-6	10	3/8"	31,5	CEL	6	8	M14x1,5	Rd 32x3	70	37±2	14	10	7
1228879	R1Q-340895	-6	10	3/8"	31,5	CEL	8	10	M16x1,5	Rd 32x3	70	37±2	14	11	7
1228880	R1Q-340896	-6	10	3/8"	31,5	CEL	10	12	M18x1,5	Rd 32x3	70	37±2	14	11	7
1228881	R1Q-340897	-10	16	5/8"	31,5	CEL	12	15	M22x1,5	Rd 48x3	75	43	24	12	7
1228882	R1Q-340898	-10	16	5/8"	31,5	CEL	16	18	M26x1,5	Rd 48x3	75	43	24	12	7,5
1228883	R1Q-340908	-6	10	3/8"	31,5	CES	6	10	M18x1,5	Rd 60x3	70	37±2	14	12	7,5
1228884	R1Q-340909	-6	10	3/8"	31,5	CES	8	12	M20x1,5	Rd 60x3	70	37±2	14	12	7,5
1228885	ON REQUEST	-6	10	3/8"	31,5	CES	10	14	M22x1,5	Rd 32x3	70	37±2	14		
1228886	R1Q-340911	-10	16	5/8"	31,5	CES	12	16	M24x1,5	Rd 32x3	75	43	24	14	8,5
1228887	R1Q-340912	-10	16	5/8"	31,5	CES	16	20	M30x2,0	Rd 32x3	75	43	24	16	10,5

Metric connection according to DIN 8434-1

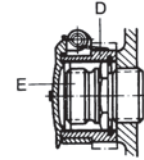


Fixed half with pull-off housing

Flexible or spring-mounted pipe



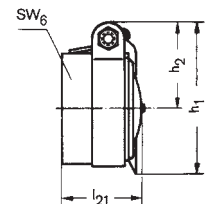
Dummy nozzle (blind socket) with dust protection



SCREW COUPLING - Flat Face AK

Dust protection D

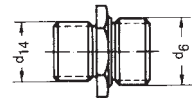
Item Code	Part Number	DASH		DN	inch	h_1 mm	h_2 mm	l_{21} mm	SW_6 mm
1228890	RT-NE00004	-6		10	3/8"	68	38	35	46
1228888	RT-NE00005	-10		16	5/8"	95,5	52	50	70



SCREW COUPLING - Flat Face AK

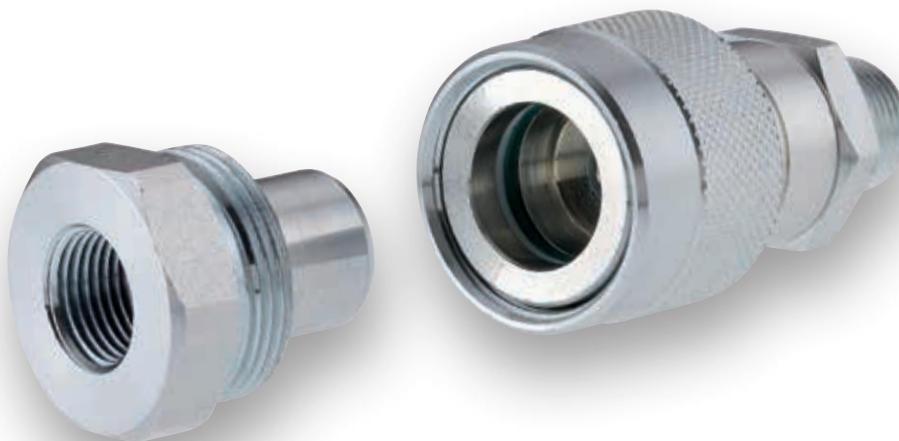
Blind socket E

Item Code	Part Number	DASH		DN	inch	d_6	d_{14} mm
1228867	RA-SI00089	-6		10	3/8"	Rd 32x6	M30x1,0
1228848	RA-SI00090	-10		16	5/8"	Rd 48x3	M45x1,5



DN 6 to 10
WP 700 bar

- Typically employed in power tools
- Compatibility with other couplings in-use



ARGUS PTK high pressure couplings can be used for connecting and disconnecting hydraulic lines. Their robust construction and tested components make them ideally suited for high and intermittent pressure loads. During the coupling action, valves that release and/or block the flow are automatically activated. The PTK quick release coupling, formed by coupling plug and coupling socket, is coupled by a screwing action with the hand nut of the plug component.

Materials

Galvanised steel – PUR interface seal – NBR O-rings (other materials optional).

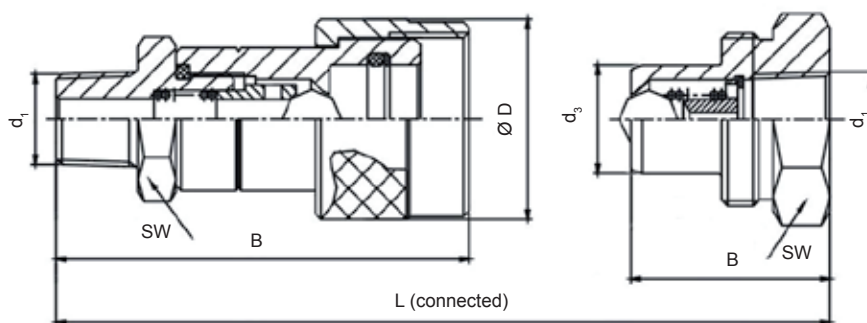
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.

Only available in selected countries.



SCREW COUPLING - Poppet PTK

Female coupling - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	B	D	L	SW
		DASH	DN	inch							
1232285	R1QVWSF28M-0404	-4	6	1/4"	70	NPTF	1/4"	59,6	28,5	74	22
1208583	R1QVWSF28M-0606	-6	10	3/8"	70	NPTF	3/8"	72,5	35	83	25

NPTF connection according to ANSI B1-20.3

SCREW COUPLING - Poppet PTK

Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
		DASH	DN	inch							
1208584	R1QVWSM28F-0404	-4	6	1/4"	70	NPTF	1/4"	32,5	15,8	74	19
1208585	R1QVWSM28F-0606	-6	10	3/8"	70	NPTF	3/8"	35	19	83	32

NPTF connection according to ANSI B1-20.3

DN 25
WP 240 bar

- **Compatibility with other couplings in-use**



ARGUS SHK are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The SHK quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves.

Materials

Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional).

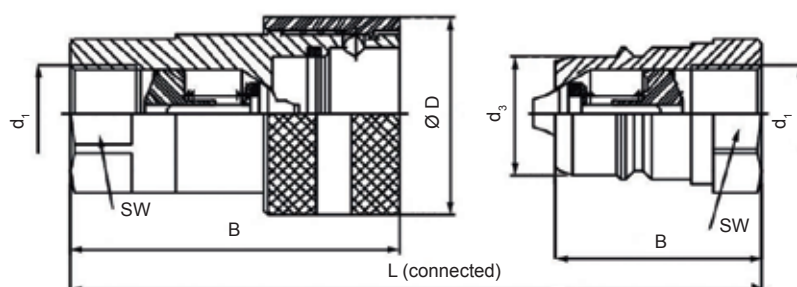
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.

Only available in selected countries.



HIFLOW TRUCK TYPE – Poppet SHK

Female coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	B	D	L	SW
		DASH	DN	inch							
	R1QBSPF06F-1616	-16	25	1"	24	BSPP	1"	108	64,5	132,6	46

BSPP connection according to DIN 3852-2-X

HIFLOW TRUCK TYPE – Poppet SHK

Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
		DASH	DN	inch							
	R1QBSPM06F-1616	-16	25	1"	24	BSPP	1"	66	38,3	132,6	46

BSPP connection according to DIN 3852-2-X

DN 13
WP 240 bar

- Locking system for safety purposes
- Compatibility with other couplings in-use



ARGUS SLK are used for quick coupling and uncoupling of hydraulic lines. During the coupling action in zero or low-pressure ranges, valves that release or block the flow are automatically activated.

The SLK quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve.

This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves.

Materials

Galvanised steel with hardened parts subject to wear – NBR O-rings (other materials optional).

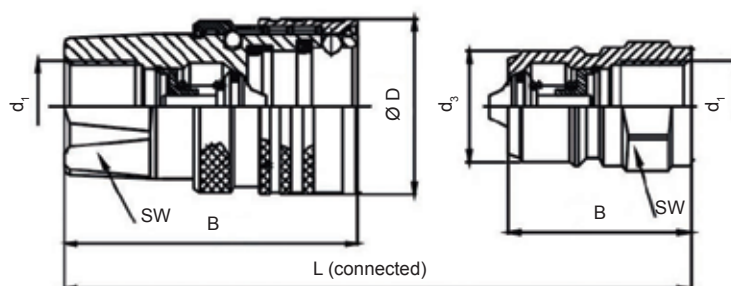
Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 T1+T2.

Temperature range: from -20 °C to +100 °C.

Specific instructions for installation, use and maintenance are separately provided.

Only available in selected countries.



LOCKABLE TYPE – Poppet SLK

Female coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	D	L	SW
	R1QIRHF06F-0808	-8	13	1/2"	21	84	BSPP	1/2"	66,5	40	83,5	30

BSPP connection according to DIN 3852-2-X

LOCKABLE TYPE – Poppet SLK

Male coupling - female thread

Item Code	Part Number	DASH	DN	inch	WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d ₁	B	d ₃	L	SW
	R1QIRHM06F-0808	-8	13	1/2"	21	84	BSPP	1/2"	42	24,5	83,5	27

BSPP connection according to DIN 3852-2-X

DN 10 to 19
WP 250 bar

- Tailor-made according to customer's needs
- Compact, reliable and safe

Patent Pending



ARGUS multi-couplings, which consist of a fixed and a mobile part, are developed following the specific needs of the user. The multi-connection plates are obtained from an anodized aluminium block as standard, and include the locations for flat-face couplings built of Cr-III zinc plated steel, but every component can be manufactured in different materials on request.

The number of lines and possible electric or pneumatic connections can be defined depending on the application requirements.

Connecting and disconnecting are carried out by means of a cam-leverage group with guiding pins, and a safety device is always present. Hose connections can be executed with threads of every type (e.g. BSP, NPT, SAE, metric) or also with the quick connect system "Plug-In Connector".

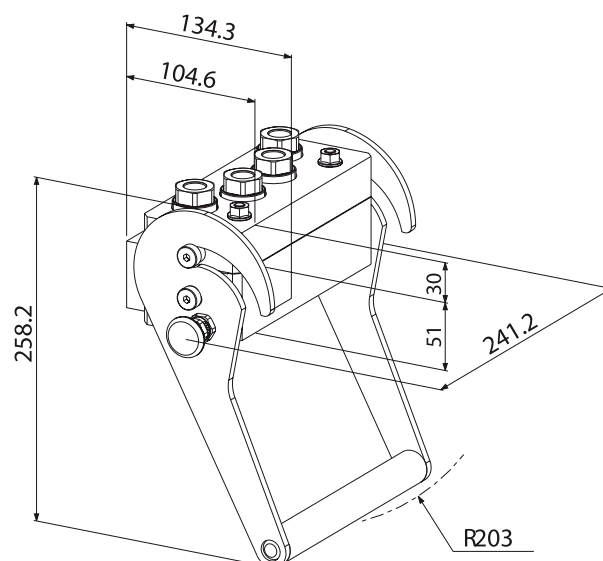
A complete range of spare parts and accessories are available. Specific instructions for installation, use and maintenance are separately provided.

COMPONENT

- Mobile and fixed plate
- Quick release coupling
- Seal and back-up ring
- Springs
- Lock lever
- Safety block

MATERIAL

Anodized aluminium 6082
 Steel with galvanic protection
 NBR and PTFE
 According to EN 102070-1
 Steel with galvanic protection
 Steel and aluminium



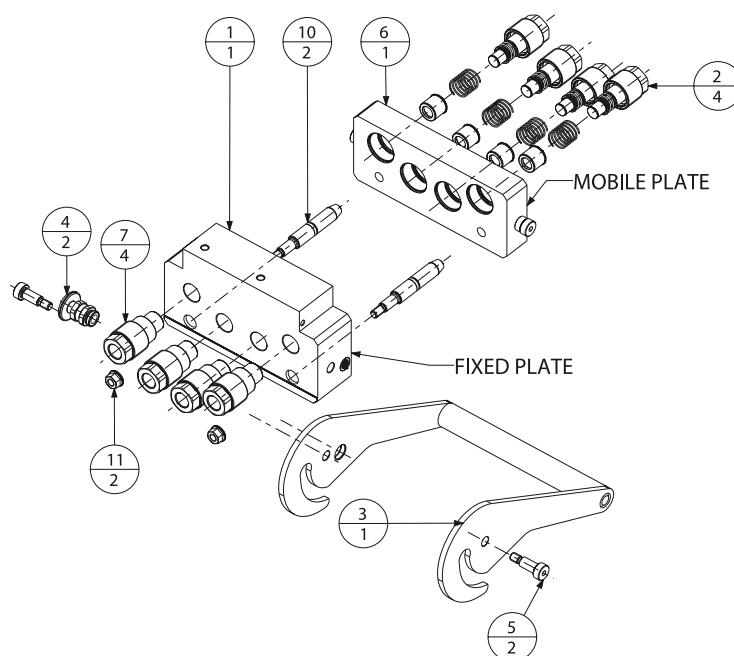
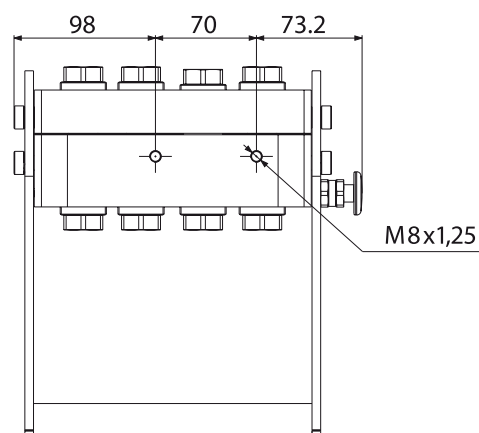
MULTI-K

Mobile and fixed part - female thread

Item Code	Part Number	DASH	DN	inch	Multi-K Part	Hydraulic lines	Thread	Flow Rate l/min	Working Pressure Mpa	Burst Pressure Mpa
1232311	R1Q-1232311	-6	10	3/8"	Male/mobile	4x3/8"	3/8" BSPP female	50	25	100
1232190	R1Q-1232190				Female/fixed					

SPARE PARTS

Pos.	Description	Part Number	Quantity
1	Fixed plate (female)	1232274	1
2	Female coupling	1232275	4
3	Lever	1232279	2
4	Safety lock	1232280	1
5	Screws	1232282	2
6	Mobile plate (male)	1232277	1
7	Male coupling	1232278	1
8	Reference pins	1232281	2
9	Nut	1232225	2



DN 6 to 25
to max. WP 400 bar

- One-piece housing
- Low pressure drop



Non return valves enable a flow in one direction and block it in the opposite direction. They therefore belong to the group of check valves (DIN 24300).

ARGUS non return valves guarantee an extremely low-resistant flow through their streamlined internal parts.

The valves are sealed by spring-hydraulic poppets and washer. Stroke limitation ensures free outlet opening. Depending on opening pressure, they can also be used as a suction and safety valve.

Materials

Galvanized steel housing and poppet valve – Brass housing also available – Brass valve stem guide – TPE seals (PTFE optional). Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30°C to $+100^{\circ}\text{C}$.

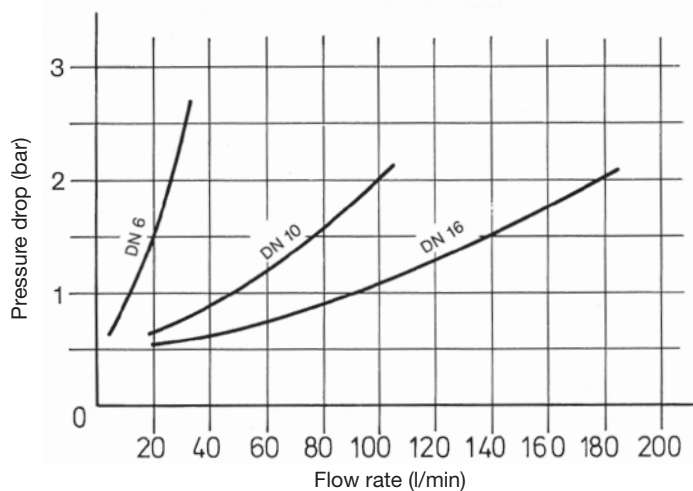
Opening pressure: 0.5, 2 or 4 bar; other opening pressures available on request.

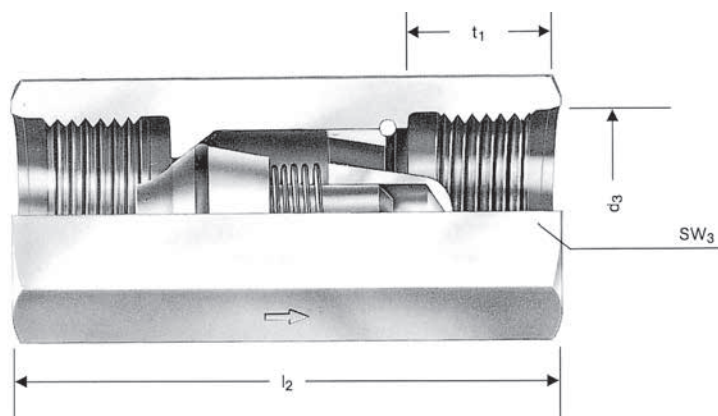
Viscosity range: to 400 cSt (53°E).

Specific instructions for installation, use and maintenance are separately provided.

Symbol: 

Flow resistance with 35 cm²/s hydraulic oil





NON RETURN VALVE – RV

Female thread

Item Code	Part Number				Opening pressure bar	WP bar	Thread	d ₃	l ₂ mm	SW ₃ mm	t ₁ mm
		DASH	DN	inch							
1232166	R1V-399838	-4	6	1/4"	0,5	400	BSPP	1/4"	50	19	14
1232156	R1V-399842	-4	6	1/4"	2	400	BSPP	1/4"	50	19	14
1232157	R1V-399851	-4	6	1/4"	4	400	BSPP	1/4"	50	19	14
1228914	R1Q-399806	-6	10	3/8"	0,5	400	MET	M16x1,5	50	22	14
1219731	R1Q-399807	-6	10	3/8"	0,5	400	BSPP	3/8"	50	22	14
1232158	R1V-399834	-6	10	3/8"	2	400	BSPP	3/8"	50	22	14
1232159	R1V-399835	-6	10	3/8"	4	400	BSPP	3/8"	50	22	14
1228915	R1Q-399810	-8	13	1/2"	0,5	315	MET	M22x1,5	57	27	16
1219730	R1Q-399811	-8	13	1/2"	0,5	315	BSPP	1/2"	57	27	16
1232160	R1Q-399846	-8	13	1/2"	2	315	BSPP	1/2"	57	27	16
1232161	R1Q-399815	-8	13	1/2"	4	315	BSPP	1/2"	57	27	16
1232167	R1V-399839	-12	19	3/4"	0,5	250	BSPP	3/4"	65	36	16
1232162	R1V-399836	-12	19	3/4"	2	250	BSPP	3/4"	65	36	16
1232163	R1V-399862	-12	19	3/4"	4	250	BSPP	3/4"	65	36	16
1228918	R1Q-399816	-16	25	1"	0,5	250	MET	M30x1,5	73	36	18
1228917	R1Q-399817	-16	25	1"	0,5	250	BSPP	1"	73	41	18
1232164	R1Q-399894	-16	25	1"	2	250	BSPP	1"	73	41	18
1232165	R1V-399865	-16	25	1"	4	250	BSPP	1"	73	41	18

BSPP connection according to DIN 3852-2-X, metric connection according to DIN 3852

DN 6 to 25
to max. WP 400 bar

- One-piece housing
- Low pressure drop



ARGUS PRV cartridge non return valves

are designed for direct installation into device or machine housings. They enable a flow in one direction and block it in the opposite direction. They therefore belong to the group of check valves (DIN 24300).

ARGUS PRV cartridge non return valves ensure particularly low-resistance flow through their streamlined internal parts.

The valves are sealed by spring-loaded poppets and washer. Stroke limitation ensures free outlet opening.

Depending on opening pressure, they can also be used as suction and safety valves.

Materials

Gunmetal housing, galvanized steel valve – Brass valve stem guide – Steel spring compression spring – TPE seals (PTFE optional). Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C.

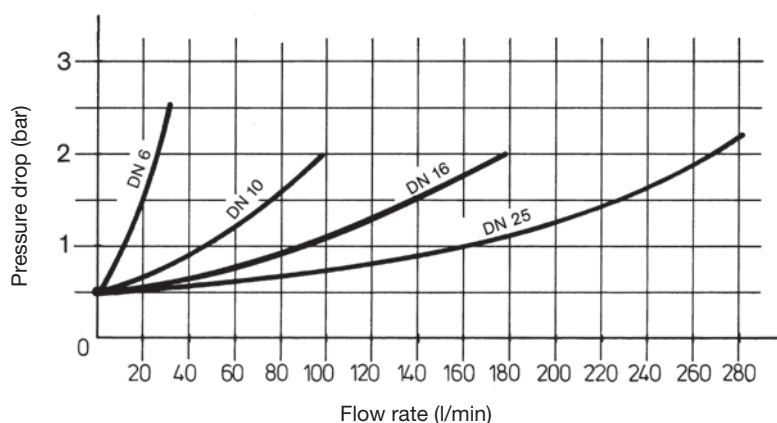
Opening pressure: 0.5 bar; other opening pressures available on request.

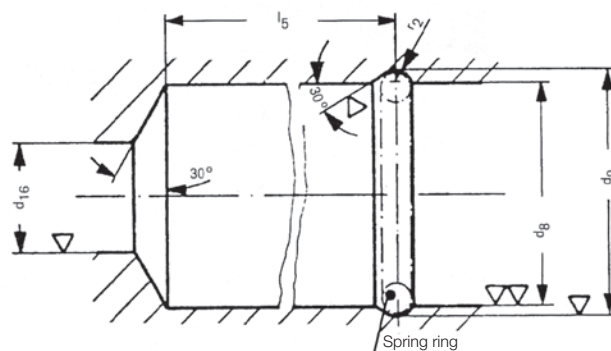
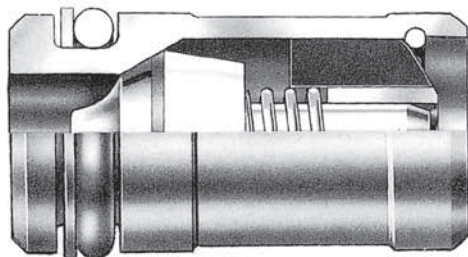
Viscosity range: to 400 cSt (53 °E).

Specific instructions for installation, use and maintenance are separately provided.

Symbol: 

Flow resistance with 35 cm²/s hydraulic oil





NON RETURN VALVE – PRV

Cartridge

Item Code	Part Number				Opening pressure bar	WP bar	d_8 / H_9 mm	d_9 +0,1 mm	d_{16} mm	l_5 +0,5 mm	r_2 mm
		DASH	DN	inch							
	R1Q-399700	-4	6	1/4"	0,5	400	16	17,6	10	30,2	0,9
	R1Q-399710	-6	10	3/8"	0,5	315	22	24,0	16	36,5	1,1
	R1Q-399720	-5	16	5/8"	0,5	315	32	34,5	25	50,7	1,4
	R1Q-399730	-16	25	1"	0,5	315	50	52,5	32	72,0	1,4

SPECIAL ITEMS

Customised versions of cartridge non return valves. Argus can develop check valves according to customer's needs or specifications.

MIL Standard



DN 6 to 16
to max. WP 400 bar

- One-piece housing
- Low pressure drop



ARGUS LBS excess flow check valves are installed in systems to prevent the medium escaping through line breaks.

Under normal operation, they are open and installed near to a tank or cylinder to be protected. They close if excess flow speeds occur.

Each excess flow check valve is rated for maximum flow speed.

The excess flow check valve is held in the OPEN position by a compression spring. If the spring pre-tension is exceeded, the poppet valve moves in the valve seat and closes the line.

Outside influences, e.g. sudden movements, impact on moving devices, installed position, can create axial forces and thereby changes in the closing volume.

If the user is unable to prevent from such influences, system tests must be run.

The excess flow check valve has to be installed as close as possible to the component to be protected (tank or cylinder), whereby high flow resistances between the element to be protected and the excess flow check valve are to be prevented.

Material

Galvanized steel housing and poppet valve – Brass valve stem guide – Steel spring compression spring. Cr-III zinc plating through additional passivation for improved surface protection.

Suitable for liquid lines with mineral oil-based hydraulic fluids to DIN 51524 and DIN 51525. Also available for flame-resistant hydraulic fluids to VDMA 24317, for pneumatics and water hydraulics in appropriate materials on request.

Temperature range: from -30 °C to +100 °C

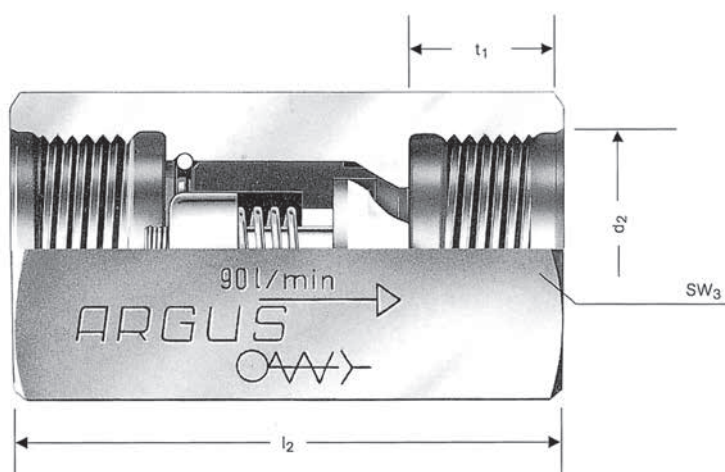
Closing volume l/min: at 35 cSt (4.7°E) max. $a = < 1 \text{ m/s}^2$ (ref. table)

Viscosity range: to 400 cSt (53 °E)

Other closing volumes and connection types on request.

Specific instructions for installation, use and maintenance are separately provided.

Symbol: 



Item Code	Part Number				Closing volume l/min	WP bar	Thread	d ₂	l ₂ mm	SW ₃ mm	t ₁ mm
		DASH	DN	inch							
	R1Q-399661	-4	6	1/4"	40	400	MET	M16x1,5	50	22	14
	R1Q-399660	-4	6	1/4"	40	400	BSPP	3/8"	50	22	14
	R1Q-399663	-6	10	3/8"	90	315	MET	M22x1,5	57	90	16
	R1Q-399662	-6	10	3/8"	90	315	BSPP	1/2"	57	90	16
	R1Q-399665	-8	13	1/2"	200	250	MET	M30x1,5	73	200	18
	R1Q-399664	-8	13	1/2"	200	250	BSPP	1"	73	200	18

