Series IA ▪ Carbon Steel

Product Description

Push-to-Connect couplings of the IA Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 A in the following nominal sizes 06, 10, 12, 19, 25, 31, 38, 51 (1/4“ - 2“).

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series A
- Compatible with the HP Series

Applications

Agricultural and Forestry Machinery

Industrial Hydraulic

Top Features

Zinc/Nickel coating

Designed for secure connection



Series IA ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural and Forestry Machinery
ISO Interchange	ISO 7241-1, Series A



[2] Alternative seal materials are available on request.

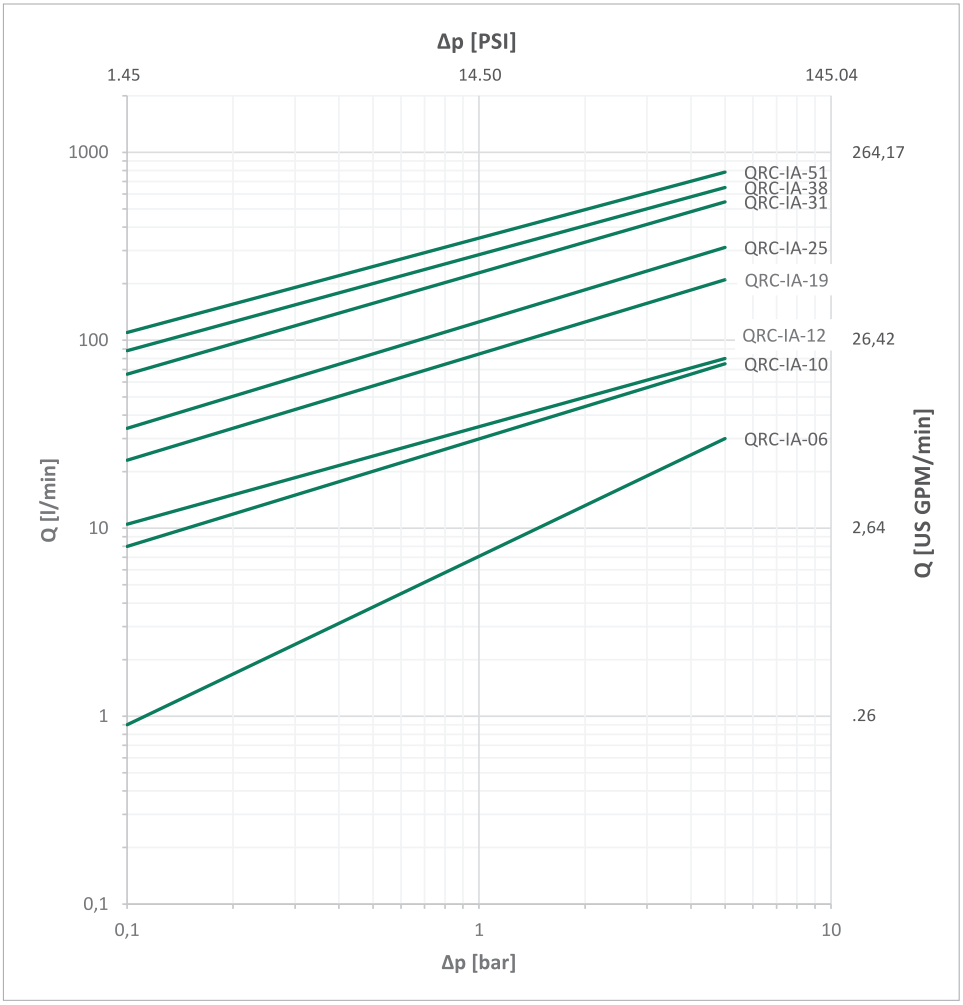
Technical Data

IA

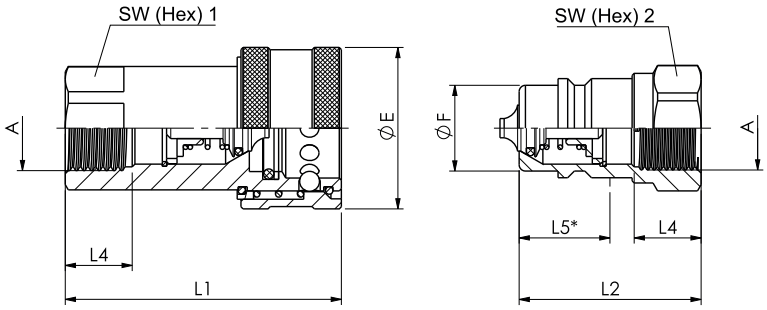
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	4,5	1.19	315	4569	1600	23206	1600	23206	1600	23206	0,5	.0169
IA-10	2	3/8"	10	34,5	9.11	315	4569	1500	21756	1500	21756	1500	21756	1,9	.0642
IA-12	3	1/2"	12,5	67,5	17.83	250	3626	1520	22046	1250	18130	1000	14504	2,7	.0913
IA-19	4	3/4"	19 (20)	159	42.00	250	3626	1000	14504	1000	14504	1000	14504	9,3	.3145
IA-25	6	1"	25	283,5	74.89	200	2901	1000	14504	1000	14504	1000	14504	16	.5410
IA-31	7	1 1/4''	31	432	114.12	200	2901	800	11603	800	11603	800	11603	30	10.144
IA-38	8	1 1/2''	38	758	200.24	160	2321	640	9282	640	9282	640	9282	54	18.260
IA-51	9	2"	51	1135	299.84	150	2176	252	3655	252	3655	252	3655	120	40.577

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

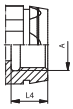
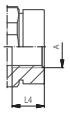


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

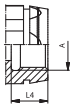
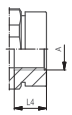


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

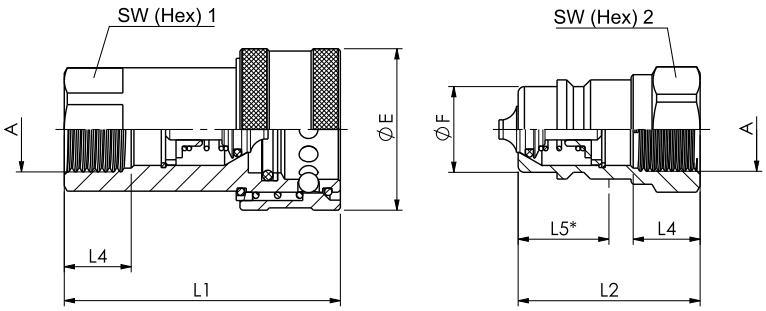
Series IA-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G1/4"	26	11,8	50	35,5	12	13,7	19	19	QRC-IA-06-F-G04-BT-W3	11,62	QRC-IA-06-M-G04-B-W3	3,56
		1.02	.46	1.97	1.40	.47	.54	.75	.75		25.62		7.85
	NPTF 1/4" -18	26	11.8	50	35,5		13,7	19	19	QRC-IA-06-F-NF04-BT-W3	11,62	QRC-IA-06-M-NF04-B-W3	3,56
		1.02	.46	1.97	1.40		.54	.75	.75		25.62		7.85
	Female Thread according to SAE J 1926-1												
	UNF 9/16" -18	26	11,8	50	35,5	12,7	13,7	19	19	QRC-IA-06-F-U06-BT-W3	11,32	QRC-IA-06-M-U06-B-W3	3,31
		1.02	.46	1.97	1.40	.50	.54	.75	.75		24.96		7.30

Series IA-10 ▪ BG 2 ▪ Nominal Size 10

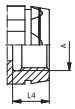
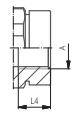
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 3/8"	31,5	17,3	56	36,5	12,6	18	22	22	QRC-IA-10-F-G06-BT-W3	15,32	QRC-IA-10-M-G06-B-W3	5,02
		1.24	.68	2.20	1.44	.50	.71	.87	.87		33.77		11.07
	NPTF 3/8" -18	31,5	17,3	56	36,5		18	22	22	QRC-IA-10-F-NF06-BT-W3	15,32	QRC-IA-10-M-NF06-B-W3	5,02
		1.24	.68	2.20	1.44		.71	.87	.87		33.77		11.07
	Female Thread according to SAE J 1926-1												
	UNF 9/16" -18	31,5	17,3	56	36,5	12,7	18	22	22	QRC-IA-10-F-U06-BT-W3	13,81	QRC-IA-10-M-U06-B-W3	4,31
		1.24	.68	2.20	1.44	.50	.71	.87	.87		30.45		9.50
	UNF 3/4" -16	31,5	17,3	56	36,5	14	18	22	22	QRC-IA-10-F-U08-BT-W3	14,82	QRC-IA-10-M-U08-B-W3	4,54
		1.24	.68	2.20	1.44	.55	.71	.87	.87		32.67		10.01

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

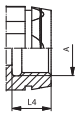


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

Series IA-12 ▪ BG 3 ▪ Nominal Size 12,5

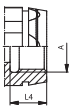
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3 - ISO 9974-1												
	M22x1,5	38,6	20,5	66	43,5	14	21,5	27	27	QRC-IA-12-F-M22-BT-W3	27,02	QRC-IA-12-M-M22-B-W3	8,77
		1.52	.81	2.60	1.71	.55	.85	1.06	1.06		59.57		19.33
	G 1/2"	38,6	20,5	66	43,5		21,5	27	27	QRC-IA-12-F-G08-BT-W3	27,02	QRC-IA-12-M-G08-B-W3	8,77
		1.52	.81	2.60	1.71		.85	1.06	1.06		59.57		19.33
	NPTF 1/2" -14	38,6	20,5	66	43,5		21,7	27	27	QRC-IA-12-F-NF08-BT-W3	25,64	QRC-IA-12-M-NF08-B-W3	8,60
		1.52	.81	2.60	1.71		.85	1.06	1.06		56.53		18.96
	NPTF 3/4" -14	38	20,55	70	63,5		21,5	27	27	QRC-IA-12-F-NF12-BT-W3	35,30	QRC-IA-12-M-NF12-B-W3	9,80
		1.5	.81	2.76	2.5		.85	1.06	1.06		77.82		21.61
	Female Thread according to SAE J 1926-1												
	UNF 3/4" -16	38,6	20,5	66	43,5	14,3	21,7	27	27	QRC-IA-12-F-U08-BT-W3	27,40	QRC-IA-12-M-U08-B-W3	10,10
		1.52	.81	2.60	1.71	.56	.85	1.06	1.06		60.41		22.27
	UNF 7/8" -14	38,6	20,5	66	43,5	16,7	21,7	27	27	QRC-IA-12-F-U10-BT-W3	26,00	QRC-IA-12-M-U10-B-W3	10,10
		1.52	.81	2.60	1.71	.66	.85	1.06	1.06		57.32		22.27

Series IA-19 ▪ BG 4 ▪ Nominal Size 19

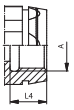
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 3/4"	48	29,1	80,2	57	18	26,8	34	34	QRC-IA-19-F-G12-BT-W3	51,37	QRC-IA-19-M-G12-B-W3	19,92
		1.89	1.15	3.16	2.24	.71	1.06	1.34	1.34		113.25		43.92
	NPTF 3/4" -14	48	29,1	80,2	57		26,8	34	34	QRC-IA-19-F-NF12-BT-W3	51,37	QRC-IA-19-M-NF12-B-W3	19,92
		1.89	1.15	3.16	2.24		1.06	1.34	1.34		113.25		43.92

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

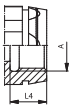
Series IA-25 ▪ BG 6 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 1"	56	34,3	94	59,5	18	33	41	41	QRC-IA-25-F-G16-BT-W3	78,89	QRC-IA-25-M-G16-B-W3	25,68
		2.20	1.35	3.70	2.34	.71	1.30	1.61	1.61		173.92		56.61
	NPTF 1" -11 1/2	56	34,3	94	59,5		33	41	41	QRC-IA-25-F-NF16-BT-W3	78,89	QRC-IA-25-M-NF16-B-W3	25,68
		2.20	1.35	3.70	2.34		1.30	1.61	1.61		173.92		56.61

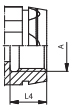
Series IA-31 ▪ BG 7 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 1 1/4"	69,8	45	117	75	24	41,3	50	50	QRC-IA-31-F-G20-BT-W3	128,33	QRC-IA-31-M-G20-B-W3	54,71
		2.75	1.77	4.61	2.95	.94	1.63	1.97	1.97		282.92		120.61
	NPTF 1 1/4" -11 1/2	69,8	45	117	75		41,3	50	50	QRC-IA-31-F-NF20-BT-W3	130,31	QRC-IA-31-M-NF20-B-W3	56,6
		2.75	1.77	4.61	2.95		1.63	1.97	1.97		287.28		124.78

Series IA-38 ▪ BG 8 ▪ Nominal Size 38

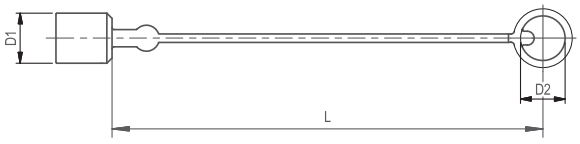
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 1 1/2"	84,5	55	133	83,5	27	48,8	60	60	QRC-IA-38-F-G24-BT-W3	216,48	QRC-IA-38-M-G24-B-W3	87,06
		3.33	2.17	5.24	3.29	1.06	1.92	2.36	2.36		477.26		191.93
	NPTF 1 1/2" -11 1/2	84,5	55	133	83,5		48,8	60	60	QRC-IA-38-F-NF24-BT-W3	218,41	QRC-IA-38-M-NF24-B-W3	89,1
		3.33	2.17	5.24	3.29		1.92	2.36	2.36		481.51		196.43

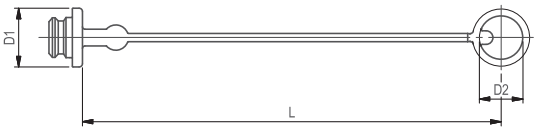
Series IA-51 ▪ BG 9 ▪ Nominal Size 51

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
	G 2"	99	65	165	105	26		75	75	QRC-IA-51-F-G32-BT-W3	500	QRC-IA-51-M-G32-B-W3	180,40
		3.90	2.56	6.50	4.13	1.02		2.95	2.95		1102.31		397.71
	NPTF 2" -11 1/2	99	65	165	105	26		75	75	QRC-IA-51-F-NF32-BT-W3	501	QRC-IA-51-M-NF32-B-W3	182
		3.90	2.56	6.50	4.13	1.02		2.95	2.95		1104.52		401.24

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

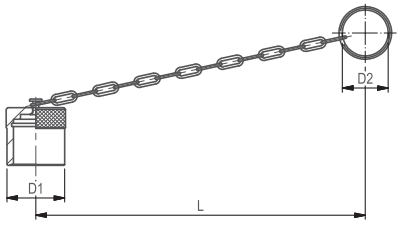
Series IA ▪ Dust Protection

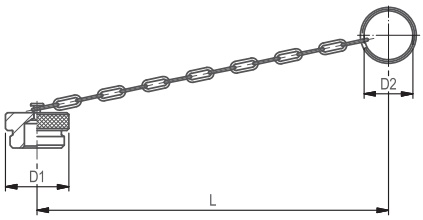




Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Ordering Codes
11	6	110	Plastic (Colour: Red)	QRC-IA-06-DM-19-KI-RD
.43	.24	4.33		
24	22	220	Plastic (Colour: Red)	QRC-IA-10-DM-22-KI-RD
.93	.87	8.66		
29	26	250	Plastic (Colour: Red)	QRC-IA-12-DM-26-KI-RD
1.14	1.02	9.84		
36,5	36	270	Plastic (Colour: Red)	QRC-IA-19-DM-36-KI-RD
1.44	1.42	10.63		
36	28	235	Plastic (Colour: Red)	QRC-IA-25-DM-28-KI-RD
1.42	1.10	9.25		

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Ordering Codes
10	6	110	Plastic (Colour: Red)	QRC-IA-06-DF-19-KI-RD
.39	.24	4.33		
28	22	220	Plastic (Colour: Red)	QRC-IA-10-DF-22-KI-RD
1.10	.87	8.66		
35	26	250	Plastic (Colour: Red)	QRC-IA-12-DF-26-KI-RD
1.38	1.02	9.84		
42	36	270	Plastic (Colour: Red)	QRC-IA-19-DF-36-KI-RD
1.65	1.42	10.63		
41	28	235	Plastic (Colour: Red)	QRC-IA-25-DF-28-KI-RD
1.61	1.10	9.25		





Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Ordering Codes
19	30	180	Aluminium with chain	QRC-IA-06-DM-30/CN-W89-SI
.75	1.18	7.09		
30	33	200	Aluminium with chain	QRC-IA-10-DM-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DM-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DM-47/CN-W89-SI
1.77	1.85	10.83		
45	41	290	Aluminium with chain	QRC-IA-25-DM-41/CN-W89-SI
1.77	1.61	11.42		
70	47	275	Aluminium with chain	QRC-IA-31-DM-47/CN-W89-SI
2.76	1.85	10.83		

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Ordering Codes
19	30	160	Aluminium with chain	QRC-IA-06-DF-30/CN-W89-SI
.75	1.18	6.30		
30	33	200	Aluminium with chain	QRC-IA-10-DF-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DF-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DF-47/CN-W89-SI
1.77	1.85	10.83		
43	41	240	Aluminium with chain	QRC-IA-25-DF-41/CN-W89-SI
1.69	1.61	9.45		
70	47	275	Aluminium with chain	QRC-IA-31-DF-47/CN-W89-SI
2.76	1.85	10.83		

In addition to the standard colours as stated above,
plastic dust caps are also available in blue, green, yellow and black.
Please use the color codes BU, GN, YE and BK respectively instead of RD.

Series IA ▪ Stainless Steel

Product Description

Push-to-Connect couplings of the IA Series made of stainless steel from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 A in the following nominal sizes 06, 10, 12, 19, 25, 31, 38, 51 (1/4“ - 2“).

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made of stainless steel (AISI 316)
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series A

Applications

Agricultural and Forestry Machinery

Industrial Hydraulic

Offshore Industry

Top Features

Designed for secure connection



Series IA ▪ Stainless Steel

Material	Stainless Steel V4A (AISI 316)
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®) [2]
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural and Forestry Machinery, Industrial Hydraulic
ISO Interchange	ISO 7241-1, Series A



[2] Alternative seal materials are available on request.

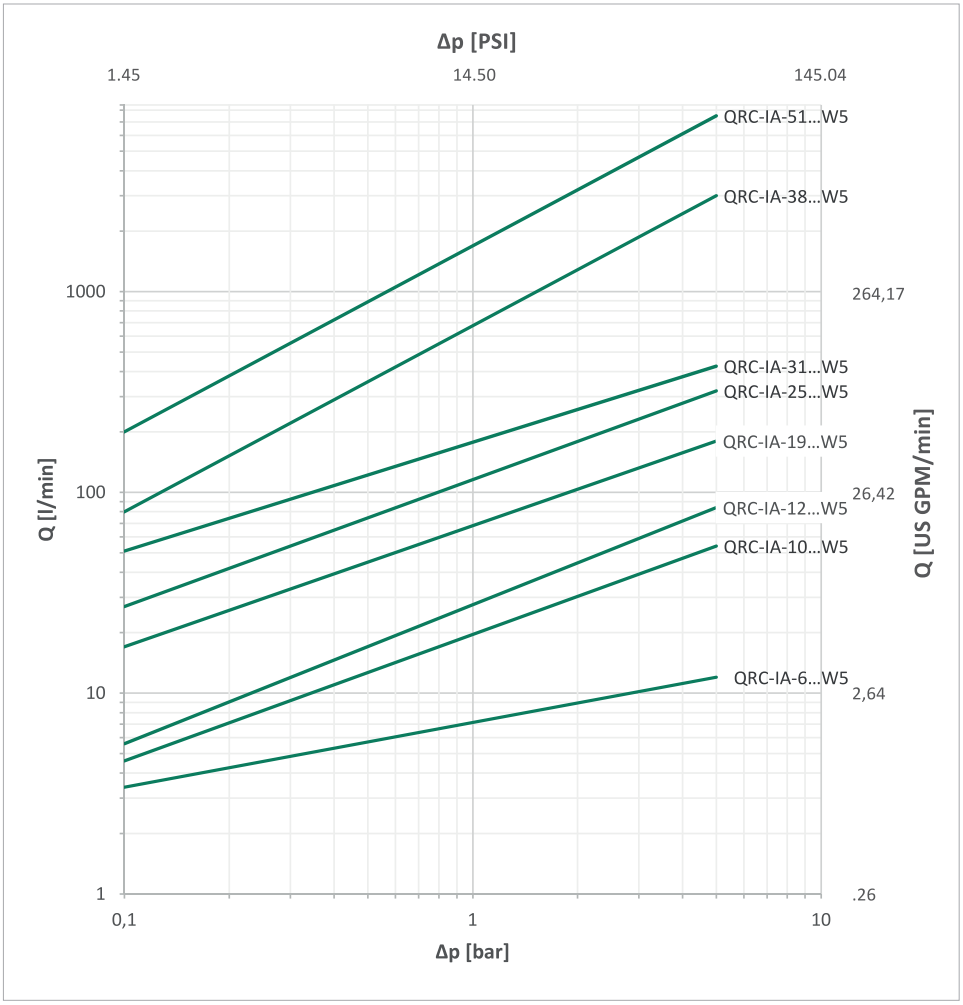
Technical Data

IA

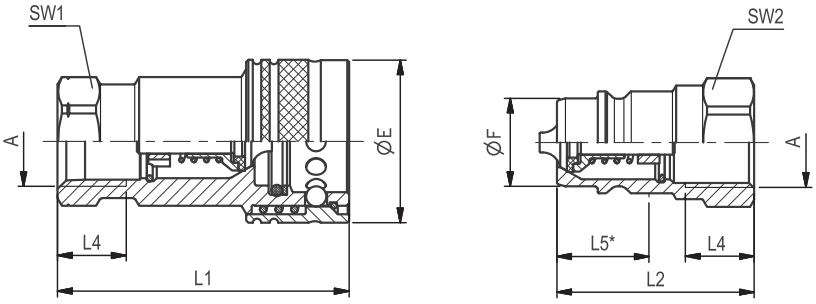
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure						Spillage	
								Connected		Female Body		Male Tip			
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	17	4.49	450	6527	2900	42061	2900	42061	3200	46412	0,5	.0169
IA-10	2	3/8"	10	46	12.15	300	4351	1300	18855	1250	18130	1250	18130	1,9	.0642
IA-12	3	1/2"	12,5	90	23.78	300	4351	1350	19580	1200	17405	1200	17405	2,7	.0913
IA-19	4	3/4"	19 (20)	190	50.19	250	3626	1100	15954	1000	14504	800	11603	9,3	.3145
IA-25	6	1"	25	280	73.97	200	2901	850	12328	650	9427	600	8702	19	.6425
IA-31	7	1 1/4''	31	480	126.80	100	1450	400	5802	400	5802	400	5802	30	10.144
IA-38	8	1 1/2''	38	700	184.92	80	1160	320	4641	320	4641	320	4641	54	18.260
IA-51	9	2"	51	1000	264.17	60	870	250	3626	250	3626	250	3626	120	40.577

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

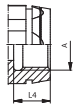


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm^2/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

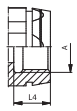


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

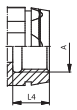
Series IA-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 1/4"	26	11,85	50,5	35,5	12	14,5	19	19	QRC-IA-06-F-G04-VT-W5	11,90	QRC-IA-06-M-G04-V-W5	3,80
		1.02	.47	1.99	1.40	.47	.57	.75	.75		26.24		8.38
	NPTF 1/4" -18	26	11,85	50,5	35,5		14,5	19	19	QRC-IA-06-F-NF04-VT-W5	12	QRC-IA-06-M-NF04-V-W5	3,90
		1.02	.47	1.99	1.40		.57	.75	.75		26.46		8.60

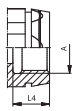
Series IA-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 3/8"	30	17,3	58,5	40,5	12	17	22	22	QRC-IA-10-F-G06-VT-W5	15,70	QRC-IA-10-M-G06-V-W5	5,90
		1.18	.68	2.30	1.59	.47	.62	.87	.87		34.61		13.01
	NPTF 3/8" -18	30	17,3	58,5	40,5		17	22	22	QRC-IA-10-F-NF06-VT-W5	15,80	QRC-IA-10-M-NF06-V-W5	6
		1.18	.68	2.30	1.59		.62	.87	.87		34.83		13.23

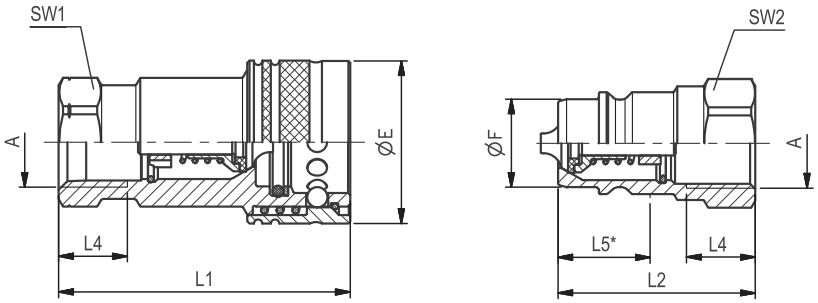
Series IA-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 1/2"	37,9	20,55	68	46	14	21,5	27	27	QRC-IA-12-F-G08-VT-W5	29,50	QRC-IA-12-M-G08-V-W5	9,70
		1.49	.81	2.68	1.81	.55	.85	1.06	1.06		65.04		21.38
	NPTF 1/2" -14	37,9	20,55	68	46		21,5	27	27	QRC-IA-12-F-NF08-VT-W5	29,70	QRC-IA-12-M-NF08-V-W5	9,90
		1.49	.81	2.68	1.81		.85	1.06	1.06		65.48		21.83

Series IA-19 ▪ BG 4 ▪ Nominal Size 19

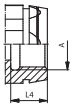
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 3/4"	45	29,1	84,3	57	16	20,8	34	34	QRC-IA-19-F-G12-VT-W5	51	QRC-IA-19-M-G12-V-W5	16,50
		1.77	1.14	84	2.24	.63	.82	1.34	1.34		112.44		36.38
	NPTF 3/4" -14	45	29,1	84,3	57		20,8	34	34	QRC-IA-19-F-NF12-VT-W5	51,30	QRC-IA-19-M-NF12-V-W5	16,80
		1.77	1.14	3.32	2.24		.82	1.34	1.34		113.10		37.04

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

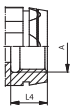


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

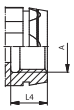
Series IA-25 ▪ BG 6 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 1"	52	34,35	97	63,5	18	33,5	41	41	QRC-IA-25-F-G16-VT-W5	63,60	QRC-IA-25-M-G16-V-W5	28,50
		2.06	1.35	3.82	2.50	.71	1.32	1.61	1.61		140.21		62.83
	NPTF 1" -11 1/2	52	34,35	97	63,5		33,5	41	41	QRC-IA-25-F-NF16-VT-W5	64,30	QRC-IA-25-M-NF16-V-W5	29,20
		2.06	1.35	3.82	2.50		1.32	1.61	1.61		141.76		64.37

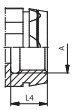
Series IA-31 ▪ BG 7 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 1 1/4"	70	45	115	69	20	34	50	50	QRC-IA-31-F-G20-VT-W5	147	QRC-IA-31-M-G20-V-W5	48
		2.75	1.77	4.53	2.72	.79	1.34	1.97	1.97		324.08		105.82
	NPTF 1 1/4" -11 1/2	70	45	115	69		34	50	50	QRC-IA-31-F-NF20-VT-W5	148,50	QRC-IA-31-M-NF20-V-W5	49,50
		2.75	1.77	4.53	2.72		1.34	1.97	1.97		327.39		109.13

Series IA-38 ▪ BG 8 ▪ Nominal Size 38

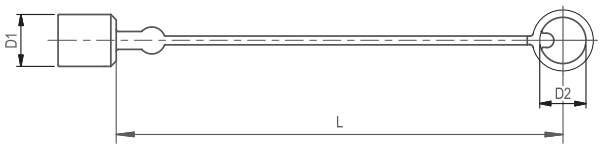
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 1 1/2"	80	55	123	73	22	50	60	60	QRC-IA-38-F-G24-VT-W5	198	QRC-IA-38-M-G24-V-W5	73,80
		3.17	2.16	4.84	2.87	.87	1.97	2.36	2.36		436.52		162.70
	NPTF 1 1/2" -11 1/2	80	55	123	73		50	60	60	QRC-IA-38-F-NF24-VT-W5	202	QRC-IA-38-M-NF24-V-W5	87
		3.17	2.16	4.84	2.87		1.97	2.36	2.36		445.33		191.80

Series IA-51 ▪ BG 9 ▪ Nominal Size 51

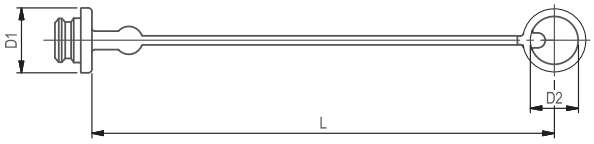
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
	G 2"	102	65,1	147	90	24	57	70	70	QRC-IA-51-F-G32-VT-W5	349	QRC-IA-51-M-G32-V-W5	116,80
		4.01	2.56	5.79	3.54	.94	2.24	2.75	2.75		769.41		257.50
	NPTF 2" -11 1/2	102	65,1	147	90		57	70	70	QRC-IA-51-F-NF32-VT-W5	350	QRC-IA-51-M-NF32-V-W5	117,80
		4.01	2.56	5.79	3.54		2.24	2.75	2.75		771.62		259.70

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

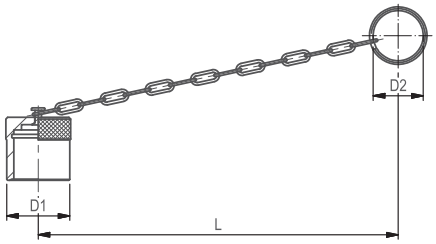
Series IA ▪ Dust Protection



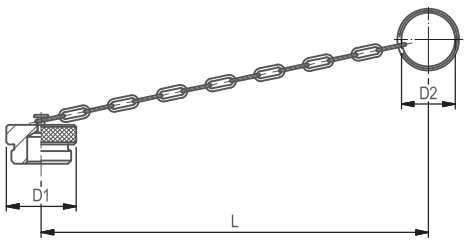
Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
11	6	110	Plastic (Colour: Red)	QRC-IA-06-DM-19-KI-RD
.43	.24	4.33		
24	22	220	Plastic (Colour: Red)	QRC-IA-10-DM-22-KI-RD
.93	.87	8.66		
29	26	250	Plastic (Colour: Red)	QRC-IA-12-DM-26-KI-RD
1.14	1.02	9.84		
36,5	36	270	Plastic (Colour: Red)	QRC-IA-19-DM-36-KI-RD
1.44	1.42	10.63		
36	28	235	Plastic (Colour: Red)	QRC-IA-25-DM-28-KI-RD
1.42	1.10	9.25		



Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
10	6	110	Plastic (Colour: Red)	QRC-IA-06-DF-19-KI-RD
.39	.24	4.33		
28	22	220	Plastic (Colour: Red)	QRC-IA-10-DF-22-KI-RD
1.10	.87	8.66		
35	26	250	Plastic (Colour: Red)	QRC-IA-12-DF-26-KI-RD
1.38	1.02	9.84		
42	36	270	Plastic (Colour: Red)	QRC-IA-19-DF-36-KI-RD
1.65	1.42	10.63		
41	28	235	Plastic (Colour: Red)	QRC-IA-25-DF-28-KI-RD
1.61	1.10	9.25		



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
19	30	180	Aluminium with chain	QRC-IA-06-DM-30/CN-W89-SI
.75	1.18	7.09		
30	33	200	Aluminium with chain	QRC-IA-10-DM-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DM-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DM-47/CN-W89-SI
1.77	1.85	10.83		
45	41	290	Aluminium with chain	QRC-IA-25-DM-41/CN-W89-SI
1.77	1.61	11.42		
70	47	275	Aluminium with chain	QRC-IA-31-DM-47/CN-W89-SI
2.76	1.85	10.83		



Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
19	30	160	Aluminium with chain	QRC-IA-06-DF-30/CN-W89-SI
.75	1.18	6.30		
30	33	200	Aluminium with chain	QRC-IA-10-DF-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DF-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DF-47/CN-W89-SI
1.77	1.85	10.83		
43	41	240	Aluminium with chain	QRC-IA-25-DF-41/CN-W89-SI
1.69	1.61	9.45		
70	47	275	Aluminium with chain	QRC-IA-31-DF-47/CN-W89-SI
2.76	1.85	10.83		

In addition to the standard colours as stated above,
plastic dust caps are also available in blue, green, yellow and black.
Please use the color codes BU, GN, YE and BK respectively instead of RD.