



A-PREMIER INTERNATIONAL SERIES

The **A Premier International Series** offers the same higher pressure ratings, superior flow characteristics, and lower pressure drop features and benefits as the A Premier series, with convenient international BSP British or German DIN port configurations. Specifically designed for applications needing no-leak performance and the ideal solution for limiting contamination in hydraulic circuits, the non-spill design avoids fluid loss during connection and disconnection. We also have our [standard A-Premier series](#) with NPT, SAE, JIC, and ORFS port connections.

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Description

ISO 16028 Interchange

Features

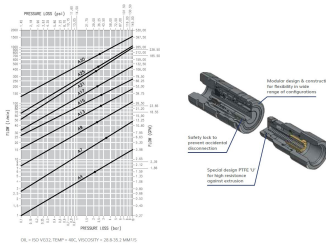
- Size range: 1/8" thru 1 1/2" Port options: BSP, DIN Interchanges with ISO 16028
- Working pressure: 27-42 MPa/3915-6090 psi range Lock system stops unwanted disconnect
- Modular structure for multiple port option Hardened steel, 12 to 20 balls reduce brinelling

Applications

- Specifically designed for applications needing no-leak performance
- Ideal for limiting contamination in hydraulic circuit
- Applications involving high pressure impulses in agriculture equipment, mobile construction equipment, oil & gas exploration, and general industrial plants

Rai

Pressure Drop



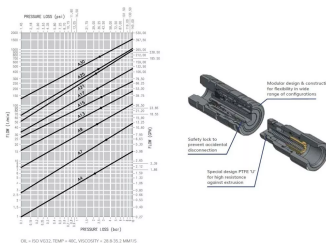
Performance

Burst Pressure

Description	Size	ISO Size	Max Operating Pressure Coupled		COUPLED		MALE		FEMALE		Spillage *
			MPa	psi	MPa	psi	MPa	psi	MPa	psi	
A4	1/8	–	42	6090	126	18270	126	18270	126	18270	0.001
A7	1/4	6.3	42	6090	126	18270	126	18270	126	18270	0.006
A9	3/8	10.0	35	5075	100	14500	100	14500	100	14500	0.012
A13	1/2	12.5	33	4785	100	14500	100	14500	100	14500	0.020
A15	5/8	16.0	33	4785	100	14500	100	14500	100	14500	0.026
A17	3/4	19.0	33	4785	100	14500	100	14500	100	14500	0.032
A21	1	25.0	30	4350	80	11600	80	11600	80	11600	0.035
A25	1 1/4	–	30	4350	80	11600	80	11600	80	11600	0.170
A30	1 1/2	–	27	3915	80	11600	80	11600	70	10150	0.050

* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

Size Diagram



WEIGHT

DESC.	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J	UNIT	MALE	FEMALE
A4	1/8	1/8	mm	17.0	19.0	36.3	20.0	40.0	68.4	18.5	20.5	11.6	kg	0.038	0.073
			inch	0.67	0.75	1.43	0.79	1.57	2.69	0.73	0.81	0.46	lb	0.08	0.16
A7	1/4	1/4	mm	22.0	27.0	47.9	28.0	53.1	90.2	23.8	29.0	16.1	kg	0.088	0.187
			inch	0.87	1.06	1.89	1.10	2.09	3.55	0.94	1.14	0.63	lb	0.19	0.41
A9	3/8	3/8	mm	27.0	30.0	60.0	32.0	64.8	108.8	29.0	32.0	19.7	kg	0.150	0.273

													WEIGHT		
DESC.	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J	UNIT	MALE	FEMALE
			inch	1.06	1.18	2.36	1.26	2.55	4.28	1.14	1.26	0.78	lb	0.33	0.60
A9	3/8	1/2	mm	27.0	30.0	62.5	32.0	69.8	116.3	29.0	32.0	19.7	kg	0.138	0.278
			inch	1.06	1.18	2.46	1.26	2.75	4.58	1.14	1.26	0.78	lb	0.30	0.61
A13	1/2	1/2	mm	36.0	36.0	68.0	38.0	76.8	127.5	40.0	40.0	24.5	kg	0.295	0.452
			inch	1.42	1.42	2.68	1.50	3.02	5.02	1.57	1.57	0.96	lb	0.65	1.00
A13	1/2	3/4	mm	36.0	36.0	70.5	38.0	83.8	137.0	40.0	40.0	24.5	kg	0.273	0.469
			inch	1.42	1.42	2.78	1.50	3.30	5.39	1.57	1.57	0.96	lb	0.60	1.03
A15	5/8	3/4	mm	36.0	41.0	73.0	42.0	84.0	139.4	38.5	44.8	27.0	kg	0.292	0.631
			inch	1.42	1.61	2.87	1.65	3.31	5.49	1.52	1.76	1.06	lb	0.64	1.39
A17	3/4	3/4	mm	46.0	46.0	83.7	48.0	95.8	157.5	49.8	49.8	30.0	kg	0.535	0.960
			inch	1.81	1.81	3.30	1.89	3.77	6.20	1.96	1.96	1.18	lb	1.18	2.12
A17	3/4	1	mm	46.0	46.0	83.7	48.0	98.8	160.5	49.8	49.8	30.0	kg	0.473	0.931
			inch	1.81	1.81	3.30	1.89	3.89	6.32	1.96	1.96	1.18	lb	1.04	2.05
A21	1	1	mm	55.0	55.0	96.8	55.0	104.8	178.6	59.8	59.8	36.0	kg	0.900	1.430
			inch	2.17	2.17	3.81	2.17	4.13	7.03	2.35	2.35	1.42	lb	1.98	3.15
A21	1	1 1/4	mm	55.0	55.0	90.0	55.0	105.8	172.8	59.8	59.8	36.0	kg	0.700	1.312
			inch	2.17	2.17	3.54	2.17	4.17	6.80	2.35	2.35	1.42	lb	1.54	2.89
A25	1 1/4	1	mm	55.0	55.0	105.0	65.0	125.1	206.8	59.8	65.0	44.0	kg	1.105	2.100
			inch	2.17	2.17	4.13	2.56	4.93	8.14	2.35	2.56	1.73	lb	2.44	4.63
A25	1 1/4	1 1/4	mm	55.0	55.0	105.0	65.0	125.1	206.8	59.8	65.0	44.0	kg	1.105	2.100
			inch	2.17	2.17	4.13	2.56	4.93	8.14	2.35	2.56	1.73	lb	2.44	4.63
A30	1 1/2	1 1/2	mm	65.0	65.0	111.1	80.0	132.4	214.9	69.8	82.0	57.0	kg	1.665	3.140
			inch	2.56	2.56	4.37	3.15	5.21	8.46	2.75	3.23	2.24	lb	3.67	6.92

BSP International Port ISO 16028

PART	BODY SIZE	THREAD TYPE	THREAD SIZE	PORT THREAD	ORDER CODE	PART DESCRIPTION
A PREMIER BSP THREAD						
COUPLER	1/8	BSP	1/8	1/8 – 19	801300002	F. A4 1/8 BSP
NIPPLE	1/8	BSP	1/8	1/8 – 19	801300003	M. A4 1/8 BSP
COUPLER	1/4	BSP	1/4	1/4 – 19	801300004	F. A7 1/4 BSP
NIPPLE	1/4	BSP	1/4	1/4 – 19	801300031	M. A7 1/4 BSP

NIPPLE	3/8	BSP	3/8	3/8 – 19	801300005	M. A9 3/8 BSP
COUPLER	3/8	BSP	3/8	3/8 – 19	801300006	F. A9 3/8 BSP
NIPPLE	3/8	BSP	1/2	1/2 – 14	801300007	M. A9 1/2 BSP
COUPLER	3/8	BSP	1/2	1/2 – 14	801300008	F. A9 1/2 BSP
NIPPLE	1/2	BSP	1/2	1/2 – 14	801300013	M. A13 1/2 BSP
COUPLER	1/2	BSP	1/2	1/2 – 14	801300014	F. A13 1/2 BSP
NIPPLE	1/2	BSP	3/4	3/4 – 14	801300015	M. A13 3/4 BSP
COUPLER	1/2	BSP	3/4	3/4 – 14	801300016	F. A13 3/4 BSP
NIPPLE	5/8	BSP	3/4	3/4 – 14	801300021	M. A15 3/4 BSP
COUPLER	5/8	BSP	3/4	3/4 – 14	801300022	F. A15 3/4 BSP
COUPLER	3/4	BSP	3/4	3/4 – 14	801300040	F. A17 3/4 BSP
NIPPLE	3/4	BSP	3/4	3/4 – 14	801300041	M. A17 3/4 BSP
COUPLER	3/4	BSP	1	1 – 11	801300000	F. A17 1 BSP
NIPPLE	3/4	BSP	1	1 – 11	801300001	M. A17 1 BSP
NIPPLE	1	BSP	1 1/4	1 1/4 – 11	801300023	M. A21 1 1/4 BSP
COUPLER	1	BSP	1 1/4	1 1/4 – 11	801300024	F. A21 1 1/4 BSP
COUPLER	1 1/4	BSP	1 1/4	1 1/4 – 11	801300052	F. A25 1 1/4 BSP
NIPPLE	1 1/4	BSP	1 1/4	1 1/4 – 11	801300053	M. A25 1 1/4 BSP
COUPLER	1 1/2	BSP	1 1/2	1 1/2 – 11	801300026	F. A30 1 1/2 BSP
NIPPLE	1 1/2	BSP	1 1/2	1 1/2 – 11	801300025	M. A30 1 1/2 BSP

DIN International Port L (Light) and S (Heavy) | ISO 16028 | DIN 3852

PART	BODY SIZE	METRIC THREAD	PART SERIES	TUBE O.D.	THREAD SIZE	ORDER CODE	PART DESCRIPTION
A PREMIER DIN THREAD							
COUPLER	1/4	DIN	L	10	M 16X1.5	801308010	F. A7 L10
NIPPLE	1/4	DIN	L	10	M 16X1.5	801308011	M. A7 L10
COUPLER	3/8	DIN	L	10	M 16X1.5	801308008	F. A9 L10
NIPPLE	3/8	DIN	L	10	M 16X1.5	801308009	M. A9 L10
COUPLER	3/8	DIN	L	12	M 18X1.5	801308004	F. A9 L12
NIPPLE	3/8	DIN	L	12	M 18X1.5	801308005	M. A9 L12
COUPLER	3/8	DIN	L	15	M 22X1.5	801308006	F. A9 L15
NIPPLE	3/8	DIN	L	15	M 22X1.5	801308007	M. A9 L15
COUPLER	1/2	DIN	L	12	M 18X1.5	801308000	F. A13 L12
NIPPLE	1/2	DIN	L	12	M 18X1.5	801308001	M. A13 L12

COUPLER	1/2	DIN	L	15	M 22X1.5	801308002	F. A13 L15
NIPPLE	1/2	DIN	L	15	M 22X1.5	801308003	M. A13 L15
COUPLER	5/8	DIN	L	15	M 22X1.5	801308016	F. A15 L15
NIPPLE	5/8	DIN	L	15	M 22X1.5	801308017	M. A15 L15
COUPLER	5/8	DIN	L	22	M 30X2	801308020	F. A15 L22
NIPPLE	5/8	DIN	L	22	M 30X2	801308021	M. A15 L22
COUPLER	3/4	DIN	L	22	M 30X2	801308024	F. A17 L22
NIPPLE	3/4	DIN	L	22	M 30X2	801308025	M. A17 L22
COUPLER	1/4	DIN	S	10	M 18X1.5	801309004	F. A7 S10
NIPPLE	1/4	DIN	S	10	M 18X1.5	801309005	M. A7 S10
COUPLER	3/8	DIN	S	10	M 18X1.5	801309006	F. A9 S10
NIPPLE	3/8	DIN	S	10	M 18X1.5	801309007	M. A9 S10
COUPLER	3/8	DIN	S	12	M 20X1.5	801309008	F. A9 S12
NIPPLE	3/8	DIN	S	12	M 20X1.5	801309009	M. A9 S12
COUPLER	1/2	DIN	S	12	M 20X1.5	801309014	F. A13 S12
NIPPLE	1/2	DIN	S	12	M 20X1.5	801309015	M. A13 S12
COUPLER	3/8	DIN	FEMALE	22	M 22X1.5	801312000	F. A9 M22X1.5
NIPPLE	3/8	DIN	FEMALE	22	M 22X1.5	801312001	M. A9 M22X1.5

DIN International Port L (Light) and S (Heavy) | SCHOTT (DIN Bulkhead) | ISO 16028 | DIN 3852

PART	BODYSIZE	METRIC PORTTHREAD SERIES	TUBE O.D.	THREAD SIZE	ORDER CODE	PART DESCRIPTION
A PREMIER DIN THREAD						
COUPLER	1/4	DIN	L	10	M 16X1.5 SCHOTT	801310010 F. A7 L10 SCHOTT
NIPPLE	1/4	DIN	L	10	M 16X1.5 SCHOTT	801310011 M. A7 L10 SCHOTT
COUPLER	3/8	DIN	L	12	M 18X1.5 SCHOTT	801310004 F. A9 L12 SCHOTT
NIPPLE	3/8	DIN	L	12	M 18X1.5 SCHOTT	801310005 M. A9 L12 SCHOTT
COUPLER	3/8	DIN	L	15	M 16X1.5 SCHOTT	801310006 F. A9 L15 SCHOTT
NIPPLE	3/8	DIN	L	15	M 16X1.5 SCHOTT	801310007 M. A9 L15 SCHOTT
COUPLER	3/8	DIN	L	10	M 16X1.5 SCHOTT	801310008 F. A9 L10 SCHOTT
NIPPLE	3/8	DIN	L	10	M 16X1.5 SCHOTT	801310009 M. A9 L10 SCHOTT

COUPLER	1/2	DIN	L	12	M 18X1.5 SCHOTT	801310000	F. A13 L12 SCHOTT
NIPPLE	1/2	DIN	L	12	M 18X1.5 SCHOTT	801310001	M. A13 L12 SCHOTT
COUPLER	1/2	DIN	L	15	M 22X1.5 SCHOTT	801310002	F. A13 L15 SCHOTT
NIPPLE	1/2	DIN	L	15	M 22X1.5 SCHOTT	801310003	M. A13 L15 SCHOTT
COUPLER	5/8	DIN	L	18	M 26X1.5 SCHOTT	801310018	F. A15 L18 SCHOTT
NIPPLE	5/8	DIN	L	18	M 26X1.5 SCHOTT	801310019	M. A15 L18 SCHOTT
COUPLER	5/8	DIN	L	22	M 30X1.5 SCHOTT	801310020	F. A15 L22 SCHOTT
NIPPLE	5/8	DIN	L	22	M 30X1.5 SCHOTT	801310021	M. A15 L22 SCHOTT
COUPLER	3/4	DIN	L	18	M 26X1.5 SCHOTT	801310022	F. A17 L18 SCHOTT
NIPPLE	3/4	DIN	L	18	M 26X1.5 SCHOTT	801310023	M. A17 L18 SCHOTT
COUPLER	3/4	DIN	L	22	M 30X1.5 SCHOTT	801310024	F. A17 L22 SCHOTT
NIPPLE	3/4	DIN	L	22	M 30X1.5 SCHOTT	801310025	M. A17 L22 SCHOTT
COUPLER	3/8	DIN	S	12	M 20X1.5 SCHOTT	801311008	F. A9 S12 SCHOTT
NIPPLE	3/8	DIN	S	12	M 20X1.5 SCHOTT	801311009	M. A9 S12 SCHOTT
COUPLER	1/2	DIN	S	12	M 20X1.5 SCHOTT	801311014	F. A13 S12 SCHOTT
NIPPLE	1/2	DIN	S	12	M 20X1.5 SCHOTT	801311015	M. A13 S12 SCHOTT
COUPLER	1/2	DIN	S	16	M 24X1.5 SCHOTT	801311018	F. A13 S16 SCHOTT
NIPPLE	1/2	DIN	S	16	M 24X1.5 SCHOTT	801311019	M. A13 S16 SCHOTT
COUPLER	5/8	DIN	S	16	M 24X1.5 SCHOTT	801311022	F. A15 S16 SCHOTT
NIPPLE	5/8	DIN	S	16	M 24X1.5 SCHOTT	801311023	M. A15 S16 SCHOTT
COUPLER	5/8	DIN	S	20	M 30X1.5 SCHOTT	801311024	F. A15 S20 SCHOTT
NIPPLE	5/8	DIN	S	20	M 30X1.5 SCHOTT	801311025	M. A15 S20 SCHOTT

To identify the DIN fitting size, measure the following: Using a thread gauge, determine the number of millimeters per thread. With calipers, find the thread diameter by measuring the O.D. on the male and the I.D. on the female. Measure the tube O.D. with the calipers so you can identify the fitting as either light series or heavy series



DIN International Port L (Light) and S (Heavy) | SCHOTT (DIN Blukhead) | No Safety Lock Mechanism | ISO 16028 | DIN 3852

PART	BODY SIZE	METRIC THREAD	PORT SERIES	TUBE O.D.	THREAD SIZE	ORDER CODE	PART DESCRIPTION
A PREMIER DIN THREAD							
COUPLER	1/4	DIN	L	10	M 16X1.5 SCHOTT	803010008	F. A7 SS L10 SCHOTT
COUPLER	3/8	DIN	L	10	M 16X1.5 SCHOTT	803010010	F. A9 SS L10 SCHOTT
COUPLER	3/8	DIN	L	12	M 18X1.5 SCHOTT	803010004	F. A9 SS L12 SCHOTT
COUPLER	3/8	DIN	L	15	M 22X1.5 SCHOTT	803010006	F. A9 SS L15 SCHOTT
COUPLER	1/2	DIN	L	12	M 18X1.5 SCHOTT	803010000	F. A13 SS L12 SCHOTT
COUPLER	1/2	DIN	L	15	M 22X1.5 SCHOTT	803010002	F. A13 SS L15 SCHOTT
COUPLER	1/2	DIN	L	22	M 22X2 SCHOTT	803010012	F. A13 SS L22 SCHOTT
COUPLER	3/8	DIN	L	15	M 22X1.5	803108000	F. A9 K SS L15
COUPLER	3/8	DIN	L	12	M 18X1.5	803108002	F. A9 K SS L12
COUPLER	3/8	DIN	L	12	M 18X1.5	803008004	F. A9 SS L12
COUPLER	3/8	DIN	L	15	M 22X1.5	803008006	F. A9 SS L15
COUPLER	3/8	DIN	L	10	M 16X1.5	803008010	F. A9 SS L10
COUPLER	1/2	DIN	L	22	M 22X2	803008018	F. A13 SS L22
COUPLER	5/8	DIN	L	22	M 22X2	803008016	F. A15 SS L22
COUPLER	3/8	DIN	S	12	M 20X1.5	803009000	F. A9 SS S12
COUPLER	1/2	DIN	S	12	M 20X1.5	803009002	F. A13 SS S12
COUPLER	1/2	DIN	S	16	M 24X1.5 SCHOTT	803011000	F. A13 SS S16 SCHOTT
COUPLER	1/2	DIN	S	20	M 30X2 SCHOTT	803011002	F. A13 SS S20 SCHOTT

Additional information

Body Size	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2"
Material	Carbon
Port Options	BSP, DIN
Port Size	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2"
Valve Style	Flat Face
Working Pressure	Up to 5000, 5000-9000

Related products



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DP PLATE SERIES

Product Body Size [1/4", 3/8", 1/2", 5/8", 3/4", 1"](#) Product Body Size [1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"](#)
Product Material [Carbon](#) Product Material [Carbon](#)
Product Port Options [BSP, NPT, SAE](#) Product Port Options [BSP, NPT, ORFS, SAE](#)
Product Port Size [1/4", 3/8", 1/2", 5/8", 3/4", 1"](#) Product Port Size [1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"](#)
Product Valve Style [Flat Face](#) Product Valve Style [Flat Face](#)
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Product Material [Carbon](#) Product Material [Brass, Carbon, Stainless](#)
Product Port Options [BSP, Flange, NPT, SAE](#) Product Port Options [BSP, NPT](#)
Product Port Size [1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2"](#) Product Port Size [1/8", 1/4", 3/8", 1/2", 3/4", 1"](#)
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