

SERIES: A - FLAT FACE

Higher Pressure Hydraulics
Suitable for Hammer/Breaker Applications

Technical Features and Options

- Interchangeability: ISO 16028 (from size 6.3 to 25) HTMA (size 10)
- Valve system: Flat face
- Mechanical connection: Locking balls
- Connection system: Push to connect
- Disconnection system: Pulling back the sleeve of the female
- Connection with residual pressure: Not allowed
- Disconnection with residual pressure: Not allowed
- Threads available: BSP, NPT, SAE
- Threads on request: Metrics DIN, ORFS, and others
- Temperature range:
Standard seals NBR (Nitrile): from -20°C to +100°C (from -4°F to +212°F).
VITON seals: form -15°C to +180°C (from +5°F to +356°F).



How To Use

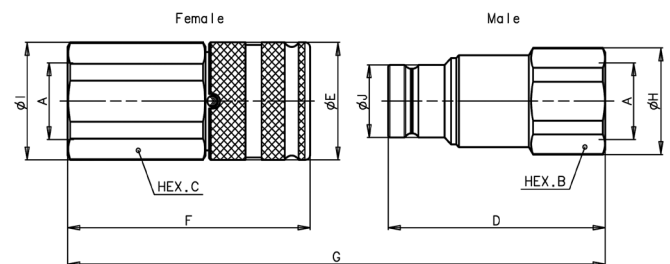
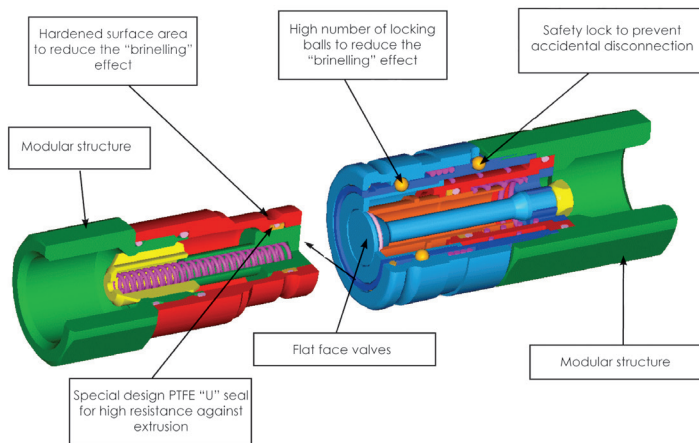
- Before connection, clean the flat mating surface of the quick coupling to avoid the inclusion of dirt into the circuit.
- To connect push the male half towards the female half or vice versa.
- Once connected, to prevent accidental disconnection, turn the external sleeve to engage lock function.
- To uncouple turn the external sleeve until the sleeve lock groove corresponds with the safety lock ball and pull back the sleeve.

Warning!

- Do not use the female coupling disconnected with impulse pressure at high frequency.
- Do not couple-uncouple with flow and/or pressure in the circuit.
- Do not couple-uncouple when the temperature inside of the circuit is higher than 80°C (176°F).
- When the couplings are disconnected, we recommend the use of protection caps.

Materials

Construction material: High resistance carbon steel
Surface treatment: CrIII zinc plated
External springs: AISI 302
Internal springs: C72 steel
Locking ball material: Hard steel 100 C6
Seals: Standard in NBR (Nitrile)
Seals on request: Viton and others
Anti-extrusion rings: PTFE



Dimensions (mm)

Description	A	B	C	D	E	F	G	H	I	J	Weight	Male	Female
A4 1/8 BSP	1/8	17	19	36.3	20	40	68.4	18.5	20.5	11.6	Kg	0.038	0.073
A7 1/4 BSP	1/4	22	27	47.9	28	53.1	90.2	23.8	29	16.1	Kg	0.086	0.187
A9 3/8 BSP	3/8	27	30	60	32	64.8	108.8	29	32	19.7	Kg	0.146	0.273
A9 1/2 BSP	1/2	27	30	62.5	32	69.8	116.3	29	32	19.7	Kg	0.138	0.278
A13 1/2 BSP	1/2	36	36	68	38	76.8	127.5	40	40	24.5	Kg	0.235	0.452
A13 3/4 BSP	3/4	36	36	70.5	38	83.8	137	40	40	24.5	Kg	0.273	0.462
A15 3/4 BSP	3/4	36	41	73	42	84	139.4	38.5	44.8	27	Kg	0.299	0.626
A17 3/4 BSP	3/4	46	46	83.7	48	96.8	158.5	49.8	49.8	30	Kg	0.525	0.970
A17 1 BSP	1	46	46	83.7	48	98.8	160.5	49.8	49.8	30	Kg	0.475	0.937
A21 1 BSP	1	55	55	96.8	55	104.8	178.6	59.8	59.8	36	Kg	0.890	1.415
A21 1-1/4 BSP	1-1/4	55	55	90	55	105.8	172.8	59.8	59.8	36	Kg	0.706	1.312
A25 1 BSP	1	55	55	100	65	120.1	196.8	59.8	65	44	Kg	1.130	2.090
A25 1-1/4 BSP	1-1/4	55	55	105	65	125.1	206.8	59.8	65	44	Kg	1.085	2.070
A30 1-1/2 BSP	1-1/2	65	65	111.1	80	132.4	214.9	69.8	82	57	Kg	1.665	3.140





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Performance

	Size	ISO Size	Max. flow suggested		Connect force		Disconnect force		Spillage*
	Inch	mm	l/min	GPM	N	lbf	N	lbf	ml
A4	1/8	-	6	1.59	120	27.00	25	5.63	0.001
A7	1/4	6.3	24	6.36	150	33.75	45	10.13	0.006
A9	3/8	10.0	46	12.19	170	38.25	40	9.00	0.012
A13	1/2	12.5	90	23.85	190	42.75	50	11.25	0.020
A15	5/8	16.0	148	39.22	190	42.75	55	12.38	0.026
A17	3/4	19.0	200	53.00	220	49.50	70	15.75	0.032
A21	1	25.0	378	100.17	250	56.25	75	16.88	0.035
A25	1-1/4	-	450	119.25	350	78.75	90	20.25	0.170
A30	1-1/2	-	750	198.75	390	87.75	70	15.75	0.050

Article no.	TYPE	Price £	Price €
NPT THREAD			
801301002	F. A4 1/8" NPT	£43.40	€44.80
801301003	M. A4 1/8" NPT	£22.70	€23.40
801301004	F. A7 1/4" NPT	£48.20	€49.70
801301023	M. A7 1/4" NPT	£14.30	€14.70
801301006	F. A9 3/8" NPT	£40.20	€41.50
801301005	M. A9 3/8" NPT	£17.10	€17.70
801301008	F. A9 1/2" NPT	£41.10	€42.40
801301007	M. A9 1/2" NPT	£18.80	€19.40
801301010	F. A13 1/2" NPT	£48.00	€49.50
801301009	M. A13 1/2" NPT	£31.60	€32.60
801301012	F. A13 3/4" NPT	£50.40	€51.90
801301011	M. A13 3/4" NPT	£32.70	€33.80
801301014	F. A15 3/4" NPT	£94.60	€97.50
801301013	M. A15 3/4" NPT	£43.40	€44.80
801301030	F. A17 3/4" NPT	£132.70	€136.80
801301031	M. A17 3/4" NPT	£66.10	€68.20
801301000	F. A17 1" NPT	£140.60	€145.00
801301001	M. A17 1" NPT	£70.10	€72.30
801301028	F. A21 1" NPT	£175.30	€180.80
801301029	M. A21 1" NPT	£93.30	€96.20
801301016	F. A21 1-1/4" NPT	£175.30	€180.80
801301015	M. A21 1-1/4" NPT	£93.30	€96.20
801301032	F. A25 1" NPT	£379.60	€391.50
801301033	M. A25 1" NPT	£171.40	€176.70
801301034	F. A25 1-1/4" NPT	£379.60	€391.50
801301035	M. A25 1-1/4" NPT	£171.40	€176.70
801301018	F. A30 1-1/2" NPT	£478.00	€492.90
801301017	M. A30 1-1/2" NPT	£256.20	€264.20

Article no.	TYPE	Price £	Price €
BSP THREAD			
801300002	F. A4 1/8" BSP	£41.80	€43.10
801300003	M. A4 1/8" BSP	£20.90	€21.60
801300004	F. A7 1/4" BSP	£46.60	€48.10
801300031	M. A7 1/4" BSP	£13.80	€14.20
801300006	F. A9 3/8" BSP	£29.50	€30.40
801300005	M. A9 3/8" BSP	£13.10	€13.50
801300008	F. A9 1/2" BSP	£28.50	€29.40
801300007	M. A9 1/2" BSP	£13.30	€13.70
801300014	F. A13 1/2" BSP	£45.50	€46.90
801300013	M. A13 1/2" BSP	£29.40	€30.40
801300016	F. A13 3/4" BSP	£40.30	€41.50
801300015	M. A13 3/4" BSP	£25.60	€26.40
801300022	F. A15 3/4" BSP	£91.20	€94.00
801300021	M. A15 3/4" BSP	£41.00	€42.30
801300040	F. A17 3/4" BSP	£138.90	€143.30
801300041	M. A17 3/4" BSP	£64.50	€66.60
801300048	F. A21 3/4" BSP	£173.60	€179.10
801300049	M. A21 3/4" BSP	£91.60	€94.50
801300000	F. A17 1" BSP	£86.90	€89.60
801300001	M. A17 1" BSP	£44.00	€45.40
801300050	F. A21 1" BSP	£173.60	€179.10
801300051	M. A21 1" BSP	£91.60	€94.50
801300024	F. A21 1-1/4" BSP	£170.40	€175.70
801300023	M. A21 1-1/4" BSP	£89.90	€92.70
801300046	F. A25 1" BSP	£361.50	€372.80
801300047	M. A25 1" BSP	£163.20	€168.30
801300052	F. A25 1-1/4" BSP	£361.50	€372.80
801300053	M. A25 1-1/4" BSP	£163.20	€168.30
801300026	F. A30 1-1/2" BSP	£467.30	€481.90
801300025	M. A30 1-1/2" BSP	£249.90	€257.70

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Description	Max. operating pressure						Burst pressure					
	Coupled		Male		Female		Coupled		Male		Female	
	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
A4	42	6090	42	6090	42	6090	126	18270	126	18270	126	18270
A7	42	6090	42	6090	42	6090	126	18270	126	18270	126	18270
A9	35	5075	35	5075	35	5075	100	14500	100	14500	100	14500
A13	33	4785	33	4785	33	4785	100	14500	100	14500	100	14500
A15	33	4785	33	4785	33	4785	100	14500	100	14500	100	14500
A17	33	4785	33	4785	33	4785	100	14500	100	14500	100	14500
A21	30	4350	30	4350	30	4350	80	11600	80	11600	80	11600
A25	30	4350	30	4350	30	4350	80	11600	80	11600	80	11600
A30	27	3915	27	3915	27	3915	80	11600	80	11600	70	10150

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

Article no.	TYPE	Price £	Price €
BSP THREAD VITON SEAL			
801300100	F. A7V 1/4" BSP EST	£51.30	€52.90
801300101	M. A7V 1/4" BSP EST	£15.30	€15.80
801300102	F. A30V 1-1/2" BSP	£509.60	€525.50
801300103	M. A30V 1-1/2" BSP	£272.50	€281.00
801300104	F. A13V 3/4" BSP	£52.10	€53.70
801300105	M. A13V 3/4" BSP	£33.20	€34.30
801300106	F. A13V 1/2" BSP	£49.60	€51.20
801300107	M. A13V 1/2" BSP	£32.10	€33.10
801300108	F. A21V 1-1/4" BSP	£185.80	€191.60
801300109	M. A21V 1-1/4" BSP	£98.00	€101.10
801300110	F. A9V 3/8" BSP	£41.30	€42.60
801300111	M. A9V 3/8" BSP	£18.40	€19.00
801300112	F. A9V 1/2" BSP	£42.20	€43.50
801300113	M. A9V 1/2" BSP	£18.40	€19.00
801300114	F. A15V 3/4" BSP	£99.40	€102.50
801300115	M. A15V 3/4" BSP	£44.70	€46.10
801300118	F. A4V 1/8" BSP	£44.70	€46.10
801300119	M. A4V 1/8" BSP	£22.40	€23.10
801300120	F. A17V 1" BSP	£148.60	€153.30
801300121	M. A17V 1" BSP	£73.20	€75.50
801300122	F. A7V 1/4" BSP	£51.80	€53.40
801300123	M. A7V 1/4" BSP	£15.00	€15.50

Article no.	TYPE	Price £	Price €
SAE THREAD			
801304002	F. A4 3/16" SAE	£43.40	€44.80
801304003	M. A4 3/16" SAE	£22.70	€23.40
801304004	F. A7 3/8" SAE	£48.20	€49.70
801304017	M. A7 3/8" SAE	£14.30	€14.70
801304006	F. A9 3/8" SAE	£40.20	€41.50
801304005	M. A9 3/8" SAE	£17.10	€17.70
801304008	F. A9 1/2" SAE	£34.70	€35.80
801304007	M. A9 1/2" SAE	£15.40	€15.90
801304030	F. A9 5/8" SAE	£41.10	€42.40
801304031	M. A9 5/8" SAE	£18.80	€19.40
801304010	F. A13 3/4" SAE	£50.40	€51.90
801304009	M. A13 3/4" SAE	£27.00	€27.80
801304024	F. A13 5/8" SAE	£49.40	€50.90
801304025	M. A13 5/8" SAE	£30.90	€31.90
801304012	F. A15 3/4" SAE	£94.60	€97.50
801304011	M. A15 3/4" SAE	£43.40	€44.80
801304028	F. A17 3/4" SAE	£132.50	€136.60
801304029	M. A17 3/4" SAE	£70.10	€72.30
801304000	F. A17 1" SAE	£140.60	€145.00
801304001	M. A17 1" SAE	£70.10	€72.30
801304038	F. A21 1" SAE	£175.30	€180.80
801304039	M. A21 1" SAE	£93.30	€96.20
801304014	F. A21 1-1/4" SAE	£175.30	€180.80
801304013	M. A21 1-1/4" SAE	£93.30	€96.20
801304040	F. A25 1" SAE	£379.60	€391.50
801304041	M. A25 1" SAE	£171.40	€176.70
801304042	F. A25 1-1/4" SAE	£379.60	€391.50
801304043	M. A25 1-1/4" SAE	£171.40	€176.70
801304016	F. A30 1-1/2" SAE	£478.00	€492.90
801304015	M. A30 1-1/2" SAE	£256.20	€264.20