

Series: A - Flat Face

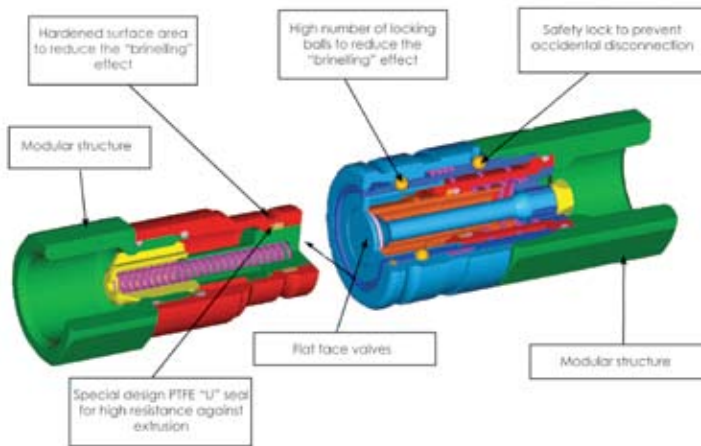
Higher Pressure Hydraulics
Suitable for Hammer/Breaker Applications

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: from -15°C to +180°C (from +5°F to +356°F).

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

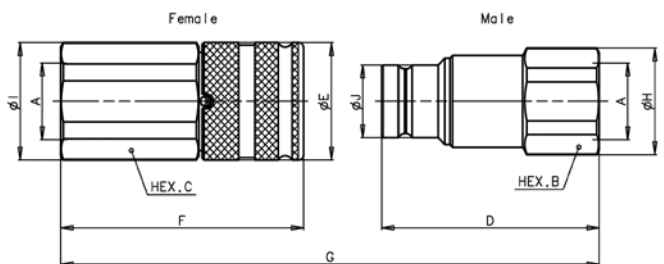


How To Use

- 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.



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

QUICK CONNECT COUPLINGS



Stucchi®



Series: A - Flat Face

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



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Article no.	TYPE	Price £	Price €
NPT THREAD			
801301002	F. A4 1/8" NPT	£35.70	€37.50
801301003	M. A4 1/8" NPT	£18.70	€19.60
801301004	F. A7 1/4" NPT	£39.70	€41.60
801301023	M. A7 1/4" NPT	£11.70	€12.30
801301006	F. A9 3/8" NPT	£33.10	€34.70
801301005	M. A9 3/8" NPT	£14.10	€14.80
801301008	F. A9 1/2" NPT	£33.80	€35.50
801301007	M. A9 1/2" NPT	£15.50	€16.20
801301010	F. A13 1/2" NPT	£39.50	€41.40
801301009	M. A13 1/2" NPT	£26.00	€27.30
801301012	F. A13 3/4" NPT	£41.40	€43.50
801301011	M. A13 3/4" NPT	£26.90	€28.30
801301014	F. A15 3/4" NPT	£77.80	€81.70
801301013	M. A15 3/4" NPT	£35.70	€37.50
801301030	F. A17 3/4" NPT	£109.20	€114.60
801301031	M. A17 3/4" NPT	£54.40	€57.10
801301000	F. A17 1" NPT	£115.70	€121.50
801301001	M. A17 1" NPT	£57.70	€60.60
801301028	F. A21 1" NPT	£144.30	€151.50
801301029	M. A21 1" NPT	£76.80	€80.60
801301016	F. A21 1-1/4" NPT	£144.30	€151.50
801301015	M. A21 1-1/4" NPT	£76.80	€80.60
801301032	F. A25 1" NPT	£312.30	€327.90
801301033	M. A25 1" NPT	£141.00	€148.00
801301034	F. A25 1-1/4" NPT	£312.30	€327.90
801301035	M. A25 1-1/4" NPT	£141.00	€148.00
801301018	F. A30 1-1/2" NPT	£393.30	€412.90
801301017	M. A30 1-1/2" NPT	£210.80	€221.40

Article no.	TYPE	Price £	Price €
BSP THREAD			
801300002	F. A4 1/8" BSP	£34.40	€36.10
801300003	M. A4 1/8" BSP	£17.20	€18.10
801300004	F. A7 1/4" BSP	£38.30	€40.30
801300031	M. A7 1/4" BSP	£11.40	€11.90
801300006	F. A9 3/8" BSP	£24.30	€25.50
801300005	M. A9 3/8" BSP	£10.80	€11.30
801300008	F. A9 1/2" BSP	£23.50	€24.60
801300007	M. A9 1/2" BSP	£10.50	€11.00
801300014	F. A13 1/2" BSP	£37.40	€39.30
801300013	M. A13 1/2" BSP	£24.20	€25.40
801300016	F. A13 3/4" BSP	£33.10	€34.80
801300015	M. A13 3/4" BSP	£21.10	€22.10
801300022	F. A15 3/4" BSP	£75.00	€78.80
801300021	M. A15 3/4" BSP	£33.70	€35.40
801300040	F. A17 3/4" BSP	£114.30	€120.00
801300041	M. A17 3/4" BSP	£53.10	€55.80
801300048	F. A21 3/4" BSP	£142.90	€150.00
801300049	M. A21 3/4" BSP	£75.40	€79.20
801300000	F. A17 1" BSP	£71.50	€75.00
801300001	M. A17 1" BSP	£36.20	€38.00
801300050	F. A21 1" BSP	£142.90	€150.00
801300051	M. A21 1" BSP	£75.40	€79.20
801300024	F. A21 1-1/4" BSP	£140.20	€147.20
801300023	M. A21 1-1/4" BSP	£74.00	€77.70
801300046	F. A25 1" BSP	£297.50	€312.30
801300047	M. A25 1" BSP	£134.30	€141.00
801300052	F. A25 1-1/4" BSP	£297.50	€312.30
801300053	M. A25 1-1/4" BSP	£134.30	€141.00
801300026	F. A30 1-1/2" BSP	£384.50	€403.70
801300025	M. A30 1-1/2" BSP	£205.60	€215.90

Series: A - Flat Face



QUICK CONNECT COUPLINGS



Stucchi®

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

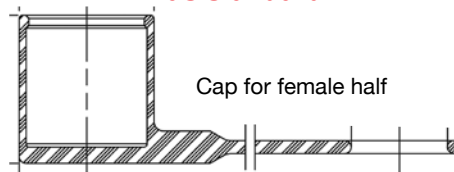
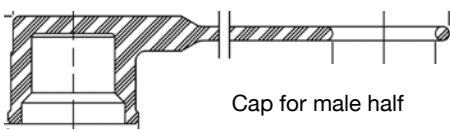
* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

Article no.	TYPE	Price £	Price €
BSP THREAD VITON SEAL			
801300100	F. A7V 1/4" BSP EST	£42.20	€44.30
801300101	M. A7V 1/4" BSP EST	£12.60	€13.20
801300102	F. A30V 1-1/2" BSP	£419.30	€440.30
801300103	M. A30V 1-1/2" BSP	£224.20	€235.40
801300104	F. A13V 3/4" BSP	£42.90	€45.00
801300105	M. A13V 3/4" BSP	£27.30	€28.70
801300106	F. A13V 1/2" BSP	£40.80	€42.90
801300107	M. A13V 1/2" BSP	£26.40	€27.80
801300108	F. A21V 1-1/4" BSP	£152.90	€160.50
801300109	M. A21V 1-1/4" BSP	£80.70	€84.70
801300110	F. A9V 3/8" BSP	£34.00	€35.70
801300111	M. A9V 3/8" BSP	£15.20	€15.90
801300112	F. A9V 1/2" BSP	£34.70	€36.50
801300113	M. A9V 1/2" BSP	£15.20	€15.90
801300114	F. A15V 3/4" BSP	£81.80	€85.80
801300115	M. A15V 3/4" BSP	£36.80	€38.60
801300118	F. A4V 1/8" BSP	£36.80	€38.60
801300119	M. A4V 1/8" BSP	£18.40	€19.40
801300120	F. A17V 1" BSP	£122.30	€128.40
801300121	M. A17V 1" BSP	£60.20	€63.20
801300122	F. A7V 1/4" BSP	£42.60	€44.70
801300123	M. A7V 1/4" BSP	£12.40	€13.00

Article no.	TYPE	Price £	Price €
SAE THREAD			
801304002	F. A4 3/16" SAE	£35.70	€37.50
801304003	M. A4 3/16" SAE	£18.70	€19.60
801304004	F. A7 3/8" SAE	£39.70	€41.60
801304017	M. A7 3/8" SAE	£11.70	€12.30
801304006	F. A9 3/8" SAE	£33.10	€34.70
801304005	M. A9 3/8" SAE	£14.10	€14.80
801304008	F. A9 1/2" SAE	£28.50	€30.00
801304007	M. A9 1/2" SAE	£12.70	€13.30
801304030	F. A9 5/8" SAE	£33.80	€35.50
801304031	M. A9 5/8" SAE	£15.50	€16.20
801304010	F. A13 3/4" SAE	£41.40	€43.50
801304009	M. A13 3/4" SAE	£22.20	€23.30
801304024	F. A13 5/8" SAE	£40.60	€42.70
801304025	M. A13 5/8" SAE	£25.40	€26.70
801304012	F. A15 3/4" SAE	£77.80	€81.70
801304011	M. A15 3/4" SAE	£35.70	€37.50
801304028	F. A17 3/4" SAE	£109.00	€114.50
801304029	M. A17 3/4" SAE	£57.70	€60.60
801304000	F. A17 1" SAE	£115.70	€121.50
801304001	M. A17 1" SAE	£57.70	€60.60
801304038	F. A21 1" SAE	£144.30	€151.50
801304039	M. A21 1" SAE	£76.80	€80.60
801304014	F. A21 1-1/4" SAE	£144.30	€151.50
801304013	M. A21 1-1/4" SAE	£76.80	€80.60
801304040	F. A25 1" SAE	£312.30	€327.90
801304041	M. A25 1" SAE	£141.00	€148.00
801304042	F. A25 1-1/4" SAE	£312.30	€327.90
801304043	M. A25 1-1/4" SAE	£141.00	€148.00
801304016	F. A30 1-1/2" SAE	£393.30	€412.90
801304015	M. A30 1-1/2" SAE	£210.80	€221.40

Dust Caps for FIRG & A Series

Red dust caps are stocked as standard



QUICK CONNECT COUPLINGS



Red dust caps are stocked as standard

RED COLOR	Type	Price £	Price €
815100000	CAP F. FIRG14 / A7 RED	£1.40	€1.50
815100023	CAP M. FIRG14 / A7 RED	£1.40	€1.50
815100002	CAP F. FIRG38 / FIRG12 / A9 RED	£1.50	€1.60
815100025	CAP M. FIRG38 / A9 RED	£1.50	€1.60
815100027	CAP M. FIRG12 / A9 RED	£1.50	€1.60
815100004	CAP F. FIRG12A / A13 RED	£1.70	€1.80
815100029	CAP M. FIRG12A / A13 RED	£1.70	€1.80
815100006	CAP F. FIRG34 / A13 RED	£1.70	€1.80
815100031	CAP M. FIRG34 / A13 RED	£1.70	€1.80
815100008	CAP F. FIRG34B / A15 RED	£2.10	€2.20
815100011	CAP M. FIRG34B / A15 RED	£2.10	€2.20
815100010	CAP F. FIRG100 / A17 RED	£2.60	€2.80
815100013	CAP M. FIRG100 / A17 RED	£2.60	€2.80
815100012	CAP F. FIRG114 / A21 RED	£3.00	€3.30
815100015	CAP M. FIRG114 / A21 RED	£3.00	€3.30

BLACK COLOR	Type	Price £	Price €
815103000	CAP F. FIRG14 / A7 BLACK	£1.40	€1.50
815103023	CAP M. FIRG14 / A7 BLACK	£1.40	€1.50
815103002	CAP F. FIRG38 / FIRG12 / A9 BLACK	£1.50	€1.60
815103025	CAP M. FIRG38 / A9 BLACK	£1.50	€1.60
815103027	CAP M. FIRG12 / A9 BLACK	£1.50	€1.60
815103004	CAP F. FIRG12A / A13 BLACK	£1.70	€1.80
815103029	CAP M. FIRG 12A / A13 BLACK	£1.70	€1.80
815103006	CAP F. FIRG34 / A13 BLACK	£1.70	€1.80
815103031	CAP M. FIRG34 / A13 BLACK	£1.70	€1.80
815103008	CAP F. FIRG34B / A15 BLACK	£2.10	€2.20
815103011	CAP M. FIRG34B / A15 BLACK	£2.10	€2.20
815103010	CAP F. FIRG100 / A17 BLACK	£2.60	€2.80
815103013	CAP M. FIRG100 / A17 BLACK	£2.60	€2.80
815103012	CAP F. FIRG114 / A21 BLACK	£3.00	€3.30
815103015	CAP M. FIRG114 / A21 BLACK	£3.00	€3.30

YELLOW COLOR

815101000	CAP F. FIRG14 / A7 YELLOW	£1.40	€1.50
815101023	CAP M. FIRG14 / A7 YELLOW	£1.40	€1.50
815101002	CAP F. FIRG38 / FIRG12 / A9 YELLOW	£1.50	€1.60
815101025	CAP M. FIRG38 / A9 YELLOW	£1.50	€1.60
815101027	CAP M. FIRG12 / A9 YELLOW	£1.50	€1.60
815101004	CAP F. FIRG12A / A13 YELLOW	£1.70	€1.80
815101029	CAP M. FIRG 12A / A13 YELLOW	£1.70	€1.80
815101006	CAP F. FIRG34 / A13 YELLOW	£1.70	€1.80
815101031	CAP M. FIRG34 / A13 YELLOW	£1.70	€1.80
815101008	CAP F. FIRG34B / A15 YELLOW	£2.10	€2.20
815101011	CAP M. FIRG34B / A15 YELLOW	£2.10	€2.20
815101010	CAP F. FIRG100 / A17 YELLOW	£2.60	€2.80
815101013	CAP M. FIRG100 / A17 YELLOW	£2.60	€2.80
815101012	CAP F. FIRG114 / A21 YELLOW	£3.00	€3.30
815101015	CAP M. FIRG114 / A21 YELLOW	£3.00	€3.30

BLUE COLOR

815102000	CAP F. FIRG14 / A7 BLUE	£1.40	€1.50
815102023	CAP M. FIRG14 / A7 BLUE	£1.40	€1.50
815102002	CAP F. FIRG38 / FIRG12 / A9 BLUE	£1.50	€1.60
815102025	CAP M. FIRG38 / A9 BLUE	£1.50	€1.60
815102027	CAP M. FIRG12 / A9 BLUE	£1.50	€1.60
815102004	CAP F. FIRG12A / A13 BLUE	£1.70	€1.80
815102029	CAP M. FIRG 12A / A13 BLUE	£1.70	€1.80
815102006	CAP F. FIRG34 / A13 BLUE	£1.70	€1.80
815102031	CAP M. FIRG34 / A13 BLUE	£1.70	€1.80
815102008	CAP F. FIRG34B / A15 BLUE	£2.10	€2.20
815102011	CAP M. FIRG34B / A15 BLUE	£2.10	€2.20
815102010	CAP F. FIRG100 / A17 BLUE	£2.60	€2.80
815102013	CAP M. FIRG100 / A17 BLUE	£2.60	€2.80
815102012	CAP F. FIRG114 / A21 BLUE	£3.00	€3.30
815102015	CAP M. FIRG114 / A21 BLUE	£3.00	€3.30

ALUMINIUM CAPS ISO 16028

DIFFERENT COLOURS

815205020	CAP M. A25 WHITE	£76.20	€80.80
815205021	CAP F. A25 WHITE	£87.00	€91.40
815200020	CAP F. A25 RED	£76.20	€80.80
815200021	CAP M. A25 RED	£87.00	€91.40
815105014	CAP F. FIRG112 WHITE	£80.50	€84.60
815105017	CAP M. FIRG112 WHITE	£71.90	€75.50
815100014	CAP F. FIRG112 RED	£80.50	€84.60
815100017	CAP M. FIRG112 RED	£71.90	€75.50
815105016	CAP F. FIRG200 WHITE	£93.50	€98.20
815105019	CAP M. FIRG200 WHITE	£80.50	€84.60
815100016	CAP F. FIRG200 RED	£93.50	€98.20
815100019	CAP M. FIRG200 RED	£80.50	€84.60