

ISO 16028 Interchange Couplings Flat Face



Overview: The “Original One”, that is the FIRG flat-face series from Stucchi. Developed in 1982, Stucchi has supplied the original ISO 16028 interchangeable coupling, and still continues to supply this series due to the good performance, long life and competitive prices on this series.

Applications: Mobile Construction, Agriculture, General Industrial, Mining or anywhere fluid loss and contamination of a hydraulic circuit needs to be eliminated.

Product Features & Options:

- Couplings: Zinc plated steel
- Nipple: hardened steel for anti-brinelling
- Seals: Nitrile with Teflon anti-extrusion ring. Viton, Kalzrez, EPDM upon request
- Ports: NPT, SAE
- Tight Tolerances ensure equal loading of couplers
- Female Seal swaged to prevent extrusion
- No air inclusion during connection
- Flat mating surface easily cleaned
- Non-spill design avoids fluid loss during connection / disconnection

Series: FIRG Interchange: ISO 16028

The “FIRG” quick coupling, head of the family of flat face, produced since 1983. **Interchangeability** in accordance with **ISO 16028**. The interchangeability of size 10 is also in accordance with NFPA T3.20.15 (HTMA).

Interchange: Faster 2FFI, Aeroquip FD89 / FD49, Parker FE, FF size 3/8

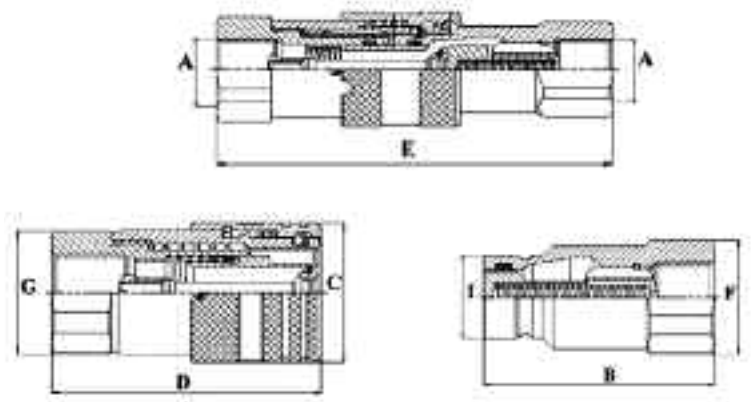
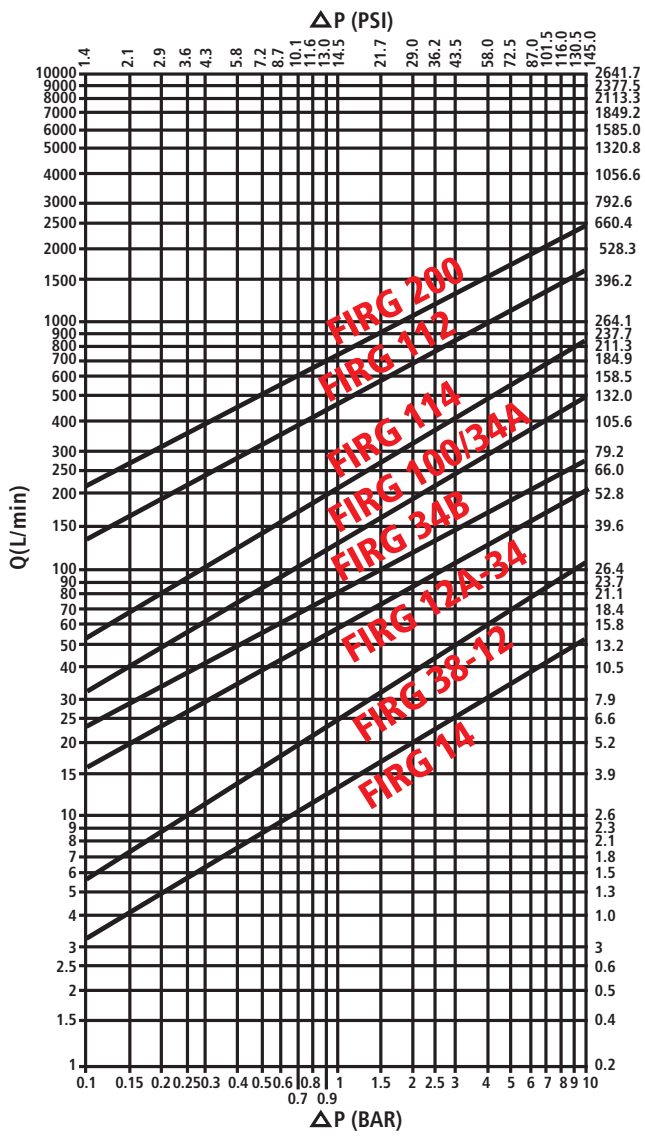
- Nitrile seal with specially shaped anti extrusion rings in Teflon.
- “FIRG” designed integrated sealing mechanism greatly reduces premature wear by movement between coupler & nipple parts caused by impulse pressure and by the weight of the flexible pipes when the coupling is in horizontal position.

Stucchi Series	Nominal Size Inches	ISO Size MM	MAX OPERATING PRESSURE COUPLED bar	MAX OPERATING PRESSURE COUPLED PSI
FIRG 14	1/4	6.3	300	4285
FIRG 38/12	3/8	10.0	300	4285
FIRG 12A/34	1/2	12.5	250	3571
FIRG 34B	5/8	16.0	250	3571
FIRG 34A	3/4	19.0	250	3571
FIRG 100	3/4	19.0	250	3571
FIRG 114	1	25.0	250	3571
FIRG 112	1 1/2	31.5	200	2857
FIRG 200	2	40.0	200	2857



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Item	Body Size	Size (MM)	A inch	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I (mm)
FIRG 14	1/4"	6.3	1/4"	47.9	28	48.1	85.2	23.8	23.8	16.2
FIRG 38	3/8"	10	3/8"	60	32	64.2	108.7	26	29	19.8
FIRG 12	3/8"	10	3/8"	62.5	32	69.2	116.2	29	29	19.8
FIRG 12A	1/2"	12.5	1/2"	68	38	73.8	124.6	33.8	33.8	24.5
FIRG 34	1/2"	12.5	3/4"	70.5	38	80.8	134.1	38.5	38.5	24.5
FIRG 34B	5/8"	16	3/4"	70.5	42	78.5	131.5	38.5	38.5	27
FIRG 34A	3/4"	19	3/4"	82.5	48	93.2	153.9	47.8	47.8	30
FIRG 100	3/4"	19	1"	82.5	48	93.2	153.9	47.8	47.8	30
FIRG 114	1	25	1 1/2"	90	55	106	173	59.8	59.8	36
FIRG 112	1 1/2"	31.5	1 1/2"	111	80	132.4	215	72	76	57
FIRG 200	2"	40	2"	125	100	156.6	242.8	83.5	88.5	73



Panel mount options available upon request.

ISO 16028 Interchange Couplings Flat Face

Interchange: Parker FE Series, Aeroquip FD89
ISO 16028 Interchange: -NPT Thread



Coupler



Nipple

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/4	1/4	NPT	800801000	F. FIRG 14 NPT
Nipple	1/4	1/4	NPT	800801001	M. FIRG 14 NPT
Coupler	3/8	1/2	NPT	800801002	F. FIRG 12 NPT
Nipple	3/8	1/2	NPT	800801003	M. FIRG 12 NPT
Coupler	3/8	3/8	NPT	800801004	F. FIRG 38 NPT
Nipple	3/8	3/8	NPT	800801005	M. FIRG 38 NPT
Coupler	1/2	1/2	NPT	800801006	F. FIRG 12A NPT
Nipple	1/2	1/2	NPT	800801007	M. FIRG 12ANPT
Coupler	1/2	3/4	NPT	800801008	F. FIRG 34 NPT
Nipple	1/2	3/4	NPT	800801009	M. FIRG 34 NPT
Coupler	5/8	3/4	NPT	800801010	F. FIRG 34B NPT
Nipple	5/8	3/4	NPT	800801011	M. FIRG 34B NPT
Coupler	3/4	3/4	NPT	800801020	F. FIRG 34A NPT
Nipple	3/4	3/4	NPT	800801021	M. FIRG 34A NPT
Coupler	3/4	1	NPT	800801012	F. FIRG 100 NPT
Nipple	3/4	1	NPT	800801013	M. FIRG 100 NPT
Coupler	1	1 1/4	NPT	800801014	F. FIRG 114 NPT
Nipple	1	1 1/4	NPT	800801015	M. FIRG 114 NPT
Coupler	1 1/2	1 1/2	NPT	800801016	F. FIRG 112 NPT
Nipple	1 1/2	1 1/2	NPT	800801017	M. FIRG 112 NPT
Coupler	2	2	NPT	800801018	F. FIRG 200 NPT
Nipple	2	2	NPT	800801019	M. FIRG 200 NPT

Interchange: Parker FE Series, Aeroquip FD89
ISO 16028 Interchange: -SAE Thread



Coupler



Nipple

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/4	3/8	SAE	800804000	F. FIRG 14 3/8 SAE
Nipple	1/4	3/8	SAE	800804001	M.FIRG 14 3/8 SAE
Coupler	3/8	1/2	SAE	800804002	F. FIRG 38 1/2 SAE
Nipple	3/8	1/2	SAE	800804003	M.FIRG 38 1/2 SAE
Coupler	3/8	5/8	SAE	800804004	F. FIRG 12 5/8 SAE
Nipple	3/8	5/8	SAE	800804005	M.FIRG 12 5/8 SAE
Coupler	1/2	5/8	SAE	800804006	F. FIRG 12A 5/8 SAE
Nipple	1/2	5/8	SAE	800804007	M.FIRG 12A 5/8 SAE
Coupler	1/2	3/4	SAE	800804008	F. FIRG 34 SAE
Nipple	1/2	3/4	SAE	800804009	M.FIRG 34 SAE
Coupler	5/8	3/4	SAE	800804010	F. FIRG 34B SAE
Nipple	5/8	3/4	SAE	800804011	M.FIRG 34B SAE
Coupler	3/4	3/4	SAE	800804020	F. FIRG 34A SAE
Nipple	3/4	3/4	SAE	800804021	M.FIRG 34A SAE
Coupler	3/4	1	SAE	800804012	F. FIRG 100 SAE
Nipple	3/4	1	SAE	800804013	M.FIRG 100 SAE
Coupler	1	1 1/4	SAE	800804014	F. FIRG 114 SAE
Nipple	1	1 1/4	SAE	800804015	M.FIRG 114 SAE
Coupler	1 1/2	1 1/2	SAE	800804016	F. FIRG 112 SAE
Nipple	1 1/2	1 1/2	SAE	800804017	M.FIRG 112 SAE
Coupler	2	2	SAE	800804018	F. FIRG 200 SAE
Nipple	2	2	SAE	800804019	M.FIRG 200 SAE



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