

# ISO 16028 Interchange Couplings Flat Face w/-QPQ



## Series: FIRG Q

“Q” variation of the “FIRG” series is the integration of the QPQ plating technology combined with a coupler constructed of stainless internal parts and carbon steel external parts of the flat face quick couplings. In relatively corrosive, alkaline environments they are an excellent alternative to the more expensive stainless steel quick couplings and demonstrate a much higher operational pressure performance. The interchangeability of “FIRG Q” series couplings is in accordance with ISO 16028.

### Interchange: ISO 16028

- Material: high resistance carbon steel treated with QPQ
- Valve parts in stainless steel
- Springs in AISI 302 SS
- Locking Balls in AISI 420.
- Seals: Nitrile, EPDM, Viton, Etc.

**Overview:** Stucchi Series FIRGQ is an extension of the FIRG series that has been produced since 1984. The QPQ plating treatment is a surface hardening treatment providing a corrosion resistant finish that is superior to zinc plating in many environments. It is designed as a low cost alternative for applications where Stainless Steel is cost prohibitive.

**Applications:** FIRG Q Series are suitable for low and medium corrosion applications such as systems operating on mineral oil, steam, water or other low or medium corrosive fluids. Steel Mills, Tire Manufacturing, State or Municipal Right-of-Way spraying.

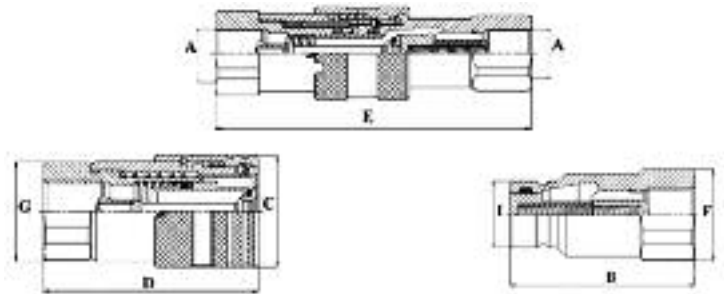
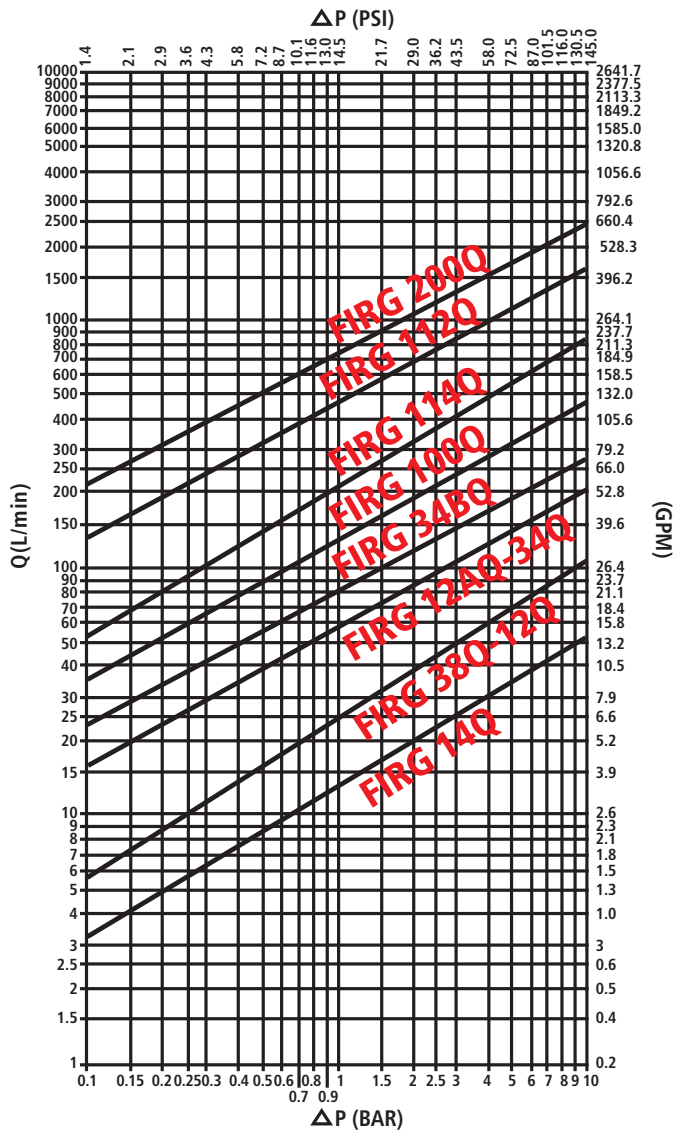
### Product Features & Options:

- Couplings: Internal SS Parts, External Carbon with QPQ
- Seals: Nitrile with Teflon anti-extrusion ring. Viton, Kalrez, 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

Stucchi Series	Nominal Size Inches	ISO Size MM	MAX OPERATING PRESSURE COUPLED bar	MAX OPERATING PRESSURE COUPLED PSI
FIRGQ 14	1/4	6.3	300	4285
FIRGQ 38/12	3/8	10.0	300	4285
FIRGQ 12A/34	1/2	12.5	250	3571
FIRGQ 34B	5/8	16.0	250	3571
FIRGQ 100	3/4	19.0	250	3571
FIRGQ 114	1	25.0	250	3571
FIRGQ 112	1 1/2	31.5	200	2857
FIRGQ 200	2	40	200	2857



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



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Interchange: ISO 16028 Interchange: -NPT Thread



Coupler



Nipple

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/4	1/4	NPT	800901000	F. FIRG 14 QN NPT
Nipple	1/4	1/4	NPT	800901001	M. FIRG 14 QN NPT
Coupler	3/8	3/8	NPT	800901002	F. FIRG 38 QN NPT
Nipple	3/8	3/8	NPT	800901003	M. FIRG 38 QN NPT
Coupler	3/8	1/2	NPT	800901004	F. FIRG 12 QN NPT
Nipple	3/8	1/2	NPT	800901005	M. FIRG 12 QN NPT
Coupler	1/2	1/2	NPT	800901006	F. FIRG 12A QN NPT
Nipple	1/2	1/2	NPT	800901007	M. FIRG 12A QN NPT
Coupler	1/2	3/4	NPT	800901008	F. FIRG 34 QN NPT
Nipple	1/2	3/4	NPT	800901009	M. FIRG 34 QN NPT
Coupler	5/8	3/4	NPT	800901010	F. FIRG 34B QN NPT
Nipple	5/8	3/4	NPT	800901011	M. FIRG 34B QN NPT
Coupler	3/4	1	NPT	800901012	F. FIRG 100 QN NPT
Nipple	3/4	1	NPT	800901013	M. FIRG 100 QN NPT
Coupler	1	1 1/4	NPT	800901014	F. FIRG 114 QN NPT
Nipple	1	1 1/4	NPT	800901015	M. FIRG 114 QN NPT
Coupler	1 1/2	1 1/2	NPT	800901016	F. FIRG 112 QN NPT
Nipple	1 1/2	1 1/2	NPT	800901017	M. FIRG 112 QN NPT
Coupler	2	2	NPT	800901018	F. FIRG 200 QN NPT
Nipple	2	2	NPT	800901019	M. FIRG 200 QN NPT



Caps & Plugs available: Pg. 78

