



HYDRAULIC SOLUTIONS



# Flat Face Hydraulic Quick Connects

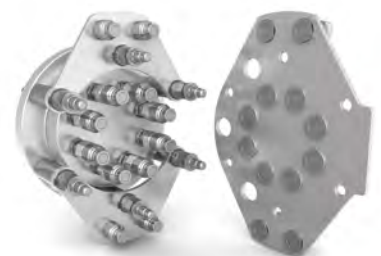
- 316 Stainless Steel, ISO 16028 Flat-Face Coupling

- Non-Drip / Spill-Free Disconnection
- High Performance & Durability
- One-hand Operation



## Flat-face couplings for clean and spill-free hydraulic systems

Advanced hydraulic systems set high demands on cleanliness. Outdated ISO-A poppet valve-type couplings are still being used in many modern machines. Consequently, a high volume of hydraulic oil is spilled worldwide every day due to disconnections that result in hefty clean-up and replacement oil costs. Subsequently, contaminants can enter the hydraulic system during connection, reducing the service life of the components as well as the overall system.



# Product Information

SHF Part No.	Category	Description Class	Body Size	Connection
SHFQC-FC-06-06FP	Couplings	Female Thread	3/8"	3/8" NPT
SHFQC-FN-06-06FP	Nipples	Female Thread	3/8"	3/8" NPT
SHFQC-FC-08-08FP	Couplings	Female Thread	1/2"	1/2" NPT
SHFQC-FN-08-08FP	Nipples	Female Thread	1/2"	1/2" NPT
SHFQC-FC-12-12FP	Couplings	Female Thread	3/4"	3/4" NPT
SHFQC-FN-12-12FP	Nipples	Female Thread	3/4"	3/4" NPT

## Technical Data



Technical Data	3/8", DN10 Stainless Steel	1/2", DN12.5 Stainless Steel	3/4", DN19 Stainless Steel
Flow rate	44 l/min (9.7 GPM) @ 3bar ΔP **	93 l/min (20.5 GPM) @ 3bar ΔP **	188 l/min (41.4 GPM) @ 3bar ΔP **
Nominal flow diameter	10 mm (0.4")	12.5 mm (0.5")	19 mm (0.7")
Temperature range	-20°C — +205°C (-4°F — +401°F)	-20°C — +205°C (-4°F — +401°F)	-20°C — +205°C (-4°F — +401°F)
Material coupling	Stainless steel (AISI 316)	Stainless steel (AISI 316)	Stainless steel (AISI 316)
Material nipple	Stainless steel (AISI 316)	Stainless steel (AISI 316)	Stainless steel (AISI 316)
Material seal	Viton (FPM), other sealing materials on request		
Connectability	Without pressure	Without pressure	Without pressure
Disconnection under pressure	Not allowed	Not allowed	Not allowed
Max. working pressure connected	250 bar (3625 PSI)	250 bar (3625 PSI)	250 bar (3625 PSI)
Max. working pressure disconnected	250 bar (3625 PSI)	250 bar (3625 PSI)	250 bar (3625 PSI)
Min. burst pressure connected	1000 bar (14503 PSI)	1000 bar (14503 PSI)	1000 bar (14503 PSI)
Min. burst pressure disconnected	1000 bar (14503 PSI)	1000 bar (14503 PSI)	1000 bar (14503 PSI)



4861 S. Sam Houston Pkwy E., Suite 100  
Houston, TX 77048

SHF Office: 832-456-2000

OmegaOne Office: 800-333-2636 www.shfinc.com

