

NON-SPILL COUPLING SPH/BA

Brake fluids for brake circuits and clutch systems
 Hydraulic fluids
 Shock absorber fluids
 Lubricating oil
 Fuel
 Coolants
 Compressed nitrogen / air



Non spill connection

The flush face design ensures no air inclusion into the system when connecting as well as no leakage when disconnecting. This eliminates the need to purge the system and permits the use of pre-filled hoses.

Bayonet locking system

Quick and easy: to connect, just push and twist
 Durable and reliable: the bayonet locking system is suitable for high vibration applications.

High mechanical resistance

with Titanium version.

Compact and lightweight

SPH/BA is constructed of high strength aluminium material for reduced size and weight.

Optimal flow

The internal valve design ensures maximum flow with a minimum outside diameter.

Technical characteristics

Type	SPH/BA 03		SPH/BA 05	SPH/BA 08	
Flow diameter (mm)	3		5	8	
Cross section (mm ²)	7		19,6	50	
Max. operating pressure* (bar)	aluminium	titanium	aluminium	titanium	aluminium
	200	connected position 350 disconnected position 220	160	220	100
Pressure recommended for the connection and disconnection(bar) compensating system required	15		10	3	
Loss of fluid with disconnection (cm ³)	0,002		0,02	0,03	
Weight socket + plug (g)	aluminium	titanium	aluminium	titanium	aluminium
	23	34	33,5	49	61
Obturation	double				

*for other conditions of use (pressure, temperature, fluid...) please consult STÄUBLI

Construction

High strength aluminium or main part in titanium.

Seals	CHECK YOUR "O'RING" COMPATIBILITY WITH FLUID IN USE
- Ethylene-propylene (EPDM):	- brake fluid
- Fluorocarbon (FPM):	- oils- mineral greases – nitrogen - gasoline...