

PALM

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walther
präzision
Quick Coupling Systems

High Pressure Screw Type Coupling with Metal Seal

Series SH -Y44 /-Y45, SM



Screw Type Coupling^{or} hose extension



Applications:

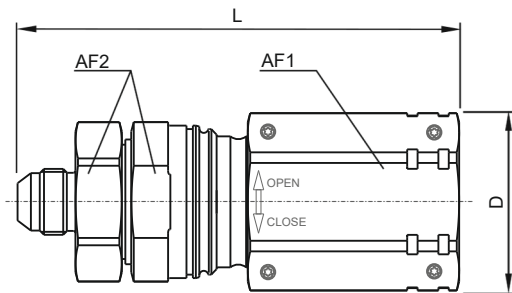
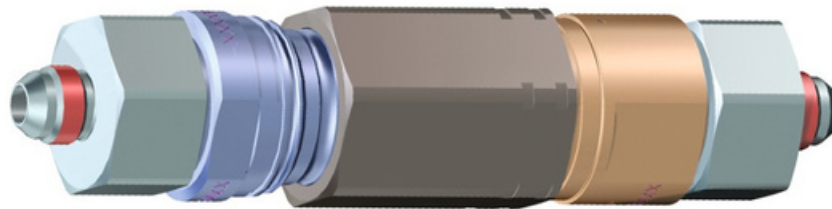
Jumpers, umbilical terminations, manifolds, SDUs, hose extension, surface or diver operated

Features:

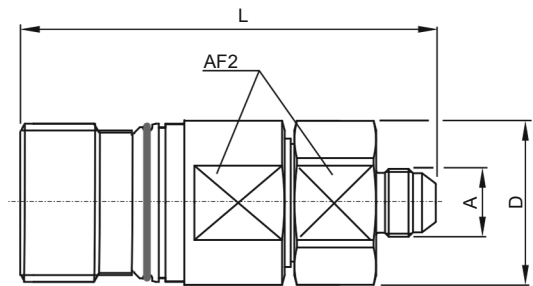
- Version -Y44 for hose extension; version -Y45 for panel mounting
- Dual sealing, all primary seals metallic
- Metal seals for unlimited number of connections
- Connect, disconnect under pressure
- Suitable for water based hydraulic fluids and chemical injection
- Low connection torque due to low friction thread
- Generous "lead-in" of locking sleeve ensures positive trouble free make-up under poor visibility
- Optional non-interchangeable coding available
- Pressure tight protection plugs / caps available
- Design life: 25 Years

Material:

Stainless Steel 1.4404 (AISI 316 L), bronze, duplex, Nitronic 50, Hiduron



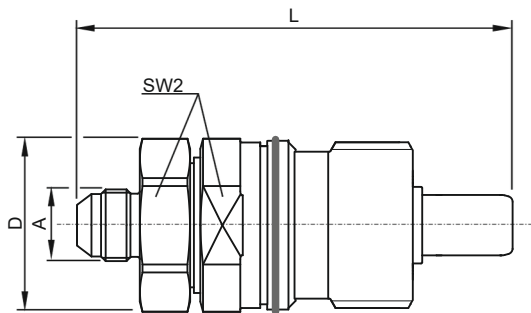
Male half, subsea side



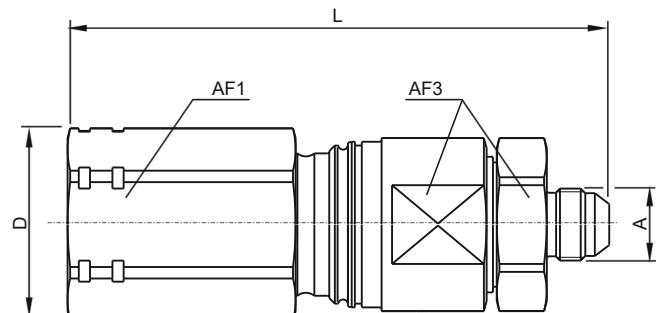
Female half, retrievable

Nom. Bore [mm]	Type	L [mm]*[mm]	L [mm]	D [mm]	AF1 [mm]	AF2 [mm]	Working Pressure Rating [psi]	Cv value	Recommended connection torque [Nm]	A End connection e.g.
6	SH-006-0-LH014-AADW-Y44 SH-006-2-LH014-AADW-Y44	Coupling	84	33,5	—	3	10.000	0,6	65	JIC # 6
10	SH-010-0-LH019-AADD-Y44 SH-010-2-LH019-AADE-Y44	Coupling	116,8	46,4	—	4	10.000	1,5	130	JIC # 8
16	SH-016-0-LH027-AABC-Y44 SH-016-2-LH027-AABD-Y44	Coupling	126,8	55	—	5	10.000	4,6	250	JIC # 12

Screw Type Coupling for panel mounting

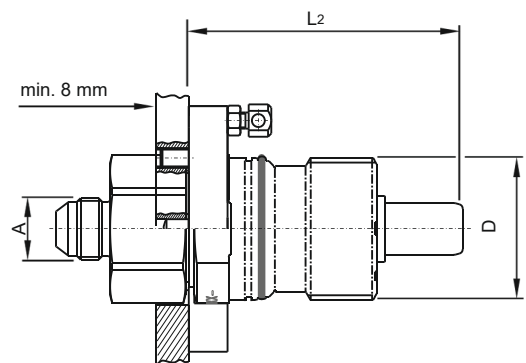
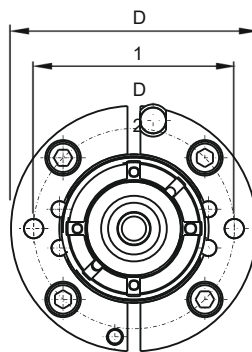


Male half, subsea side



Female half, retrievable

Bracket for bulkhead mounted



Nom. Bore [mm]	Type		L [mm]	D1 L2 [mm]	D2 [mm]	AF1 [mm]	AF2 [mm]	AF3 [mm]	Working Pressure Rating [psi]	CV value	Recommended connection torque [Nm]	A End connection e.g.
6	SH-006-0-LH014-AAEQ - Y45	Coupling	10,8	—	—	—	3	30	10.000	0,6	65	JIC # 6
	SH-006-2-LH014-AAEO -Y45	Adaptor	93,6	66	—	3	0	30				JIC # 6
	SH-006-B-00001-01-Y45	Flange	—	TBD	TBD	4	3	—				—
10	SH-010-0-LH019-AADY- Y45	Coupling	54,9	—	—	—	0	41	10.000	1,5	130	JIC # 8
	SH-010-2-LH019-AABD -Y45	Adaptor	125,9	—	—	4	41	41				JIC # 8
	SH-010-B-00001-01-Y45	Flange	—	—	6	6	—	—				—
16	SH-016-0-LH027-AABK-Y45	Coupling	75,1	—	46	—	46	41	10.000	4,6	250	JIC # 12
	SH-016-2-LH027-AABD -Y45	Adaptor	136,5	TBD	46	6	46	41				JIC # 12
	SH-016-B-00001-01-Y45	Flange	—	TBD	TBD	0	—	—				—

Screw Type Coupling for pressure testing during production



Applications:

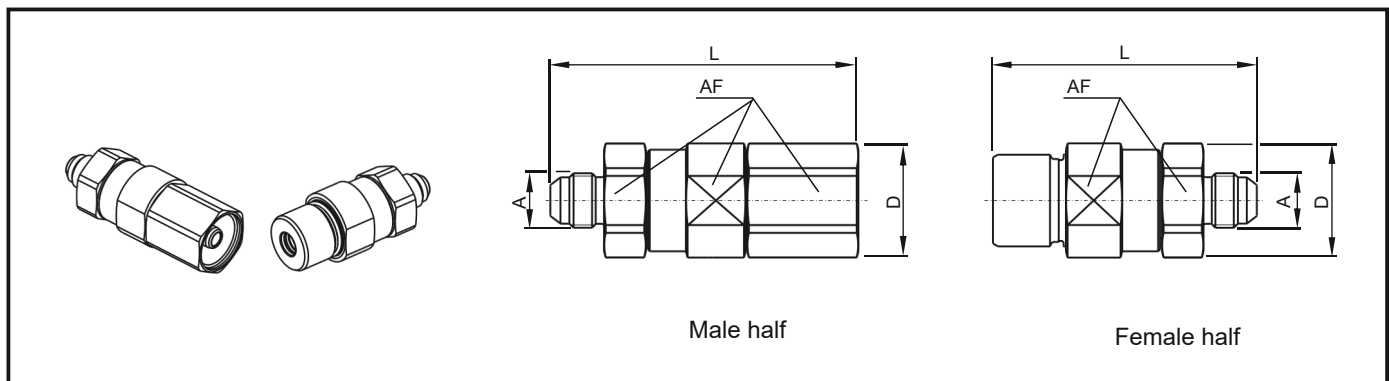
for umbilical testing in production and temporary subsea use SM-004

Features:

- Elastomeric, polymeric seals
- Connect / disconnect under pressure
- Suitable for water based hydraulic fluids and chemical injection
- Low connection force due to low friction thread
- Generous "lead-in" of locking sleeve ensures positive trouble free make-up under poor visibility
- Protection plugs / caps available

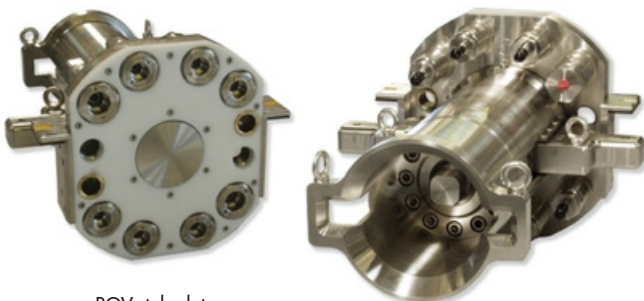
Material:

Stainless Steel 1.4404 (AISI 316 L), bronze, duplex, Nitronic 50



Nom. Bore [mm]	Type		L [mm]	D [mm]	AF [mm]	Working Pressure Rating [psi]	Cv value	Recommended connection torque [Nm]	A End connection e.g.
3	SM-003-0-LH014-AAAA	Coupling	32,	15,	1	3.000	0,12	3	JIC#6
	SM-003-2-LH014-AAAB	Adaptor	4	5	3				
4	SM-004-0-LH014-AAAA	Coupling	36,	14,	1	10.000	0,51–0,57	30	JIC#4-6
	SM-004-2-LH014-AAAB	Adaptor	49,	3	4				
			8	29,9	27				
			80,						
			9						

Stabplates to connect multiple lines by ROV or manual



ROV stab plates
Type 91561
also available with HFL, fully assembled



Workover stabplates
Type 91553

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