

Introduction:

The 87-G50 series is designed for gas lift applications but can be used for all subsea production and service lines. It features a superior locking mechanism, qualified and field proven since 1996 in offshore applications the world over. Safety, durability and the capability of multiple make and break cycles without changing seals are the main design features.

Installation & Operation:

The bulkhead connector is mounted to the structure.

The ROV operated free half is equipped with a locking mechanism which is operated by an API class 4 torque tool.

Its connection principle is safe and simple as the mating and locking function are separated in two steps:

1. Easy and large play for the mating operation of the ROV unit into the guide funnel of the bulkhead connector.
2. While the ROV applies torque clockwise, the connector will lock first and then connect the lines.

Your Advantage:

- Multiple make and brake cycles without changing seals
- Cost control by reliable technology
- Cost reduction by fast and efficient operation
- Perfect fit:
All connections according to your requirements

Features:

- Qualified and proven locking design up to 5.000 m water depth
- Working pressure up to 10.000 psi
- Many kinds of end connections available
- 30 years design life
- ROV mountable (torque tool API 17H class 4)
- NACE MR-0175 compliant for sour gas service
- Conform with API 6A /17D requirements
- API 17D /6A (PSL 3G) qualified
- Calcium carbonating protection
- All seals located on ROV free half
- Metal primary seal with double resilient backup seal

Options:

- Bracing / reinforcement bracket on ROV side
- Material class API-HH for wetted surfaces
- Cathodically protectable
- Secondary release function
- Coatings, e.g. PTFE; coloring

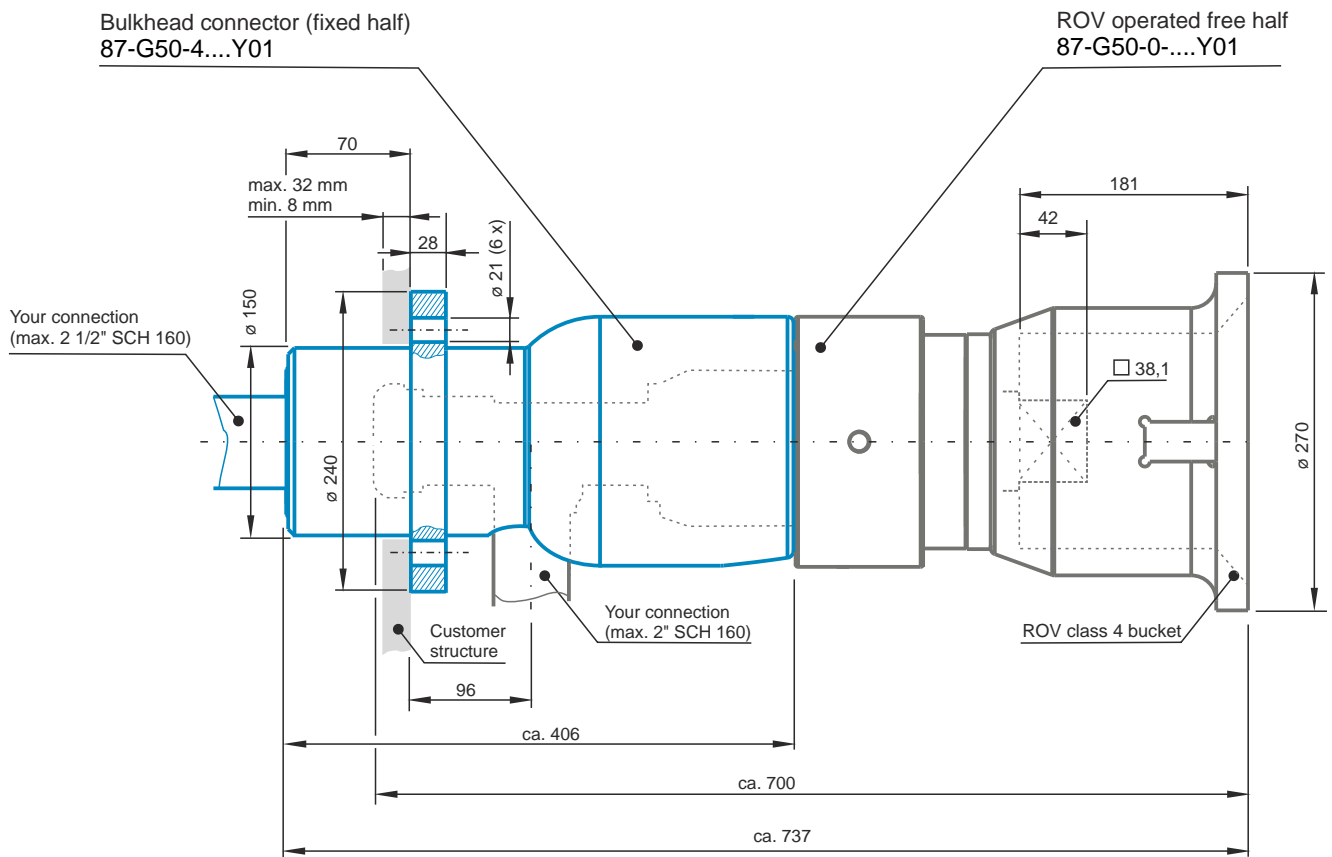
Additional equipment:

- Compensated pressure caps
- Parking station for ROV operated free half
- Short term protection caps for both sides

Technical specifications:

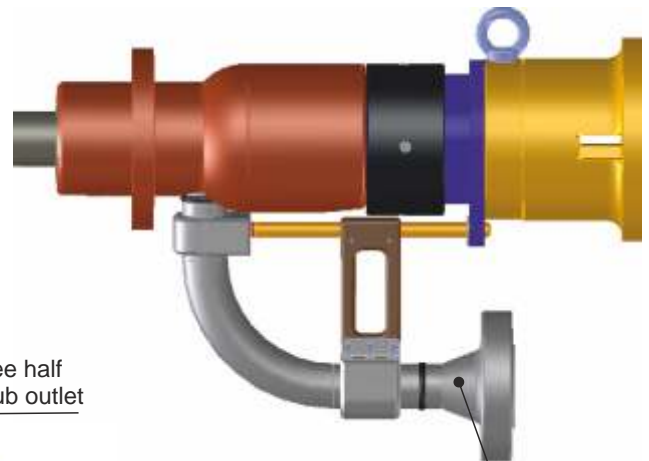
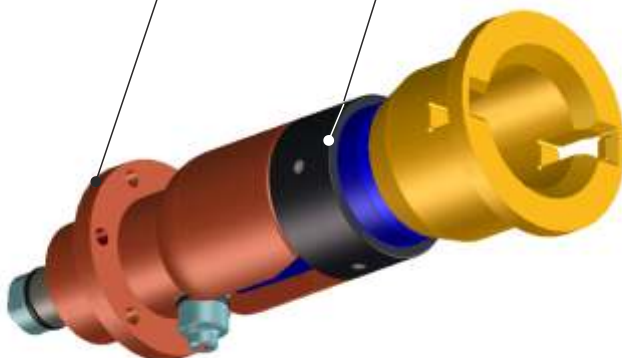
Type:	87-G50
Water depth:	5.000 m
Internal working pressure:	10.000 psi / 690 bar
Test pressure:	15.000 psi / 1035 bar
Temperature range:	P; S; T; U (-29 °C to 121 °C)
Material class:	FF for wetted surfaces
Main materials:	Super Duplex, Duplex, Copper-Nickel Alloy
Bore:	size 2"; min. bore 43 mm
Termination on both ends:	Each side customer specific (Standard: prepared for bulk weld)
ROV Interface:	API 17H class 4 bucket
Make up torque:	2.000 Nm
Nominal mating torque:	500 Nm
Pretension torque:	2.000 Nm
Break out torque:	2.400 Nm
Emergency torque:	2.700 Nm





Bulkhead connector (fixed half)

ROV coupling free half with universal stub outlet



ROV coupling free half with elbow and flange

Special designs for Offshore Couplings



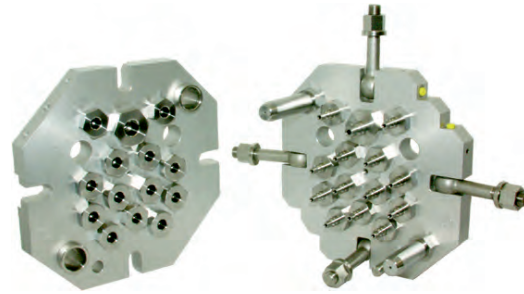
Elements for
plate mounting
Series OM



Elements for
cavity mounting
Type 84-006



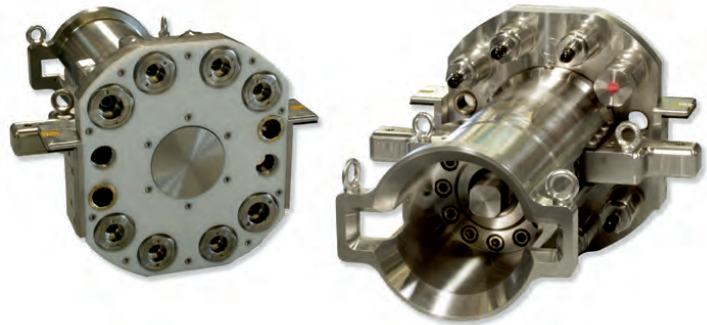
ROV operated coupling
Series 87 / HFL



Workover stab plates
Type 91553



Emergency Disconnect Unit
Type 91559



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

WALTHER-PRÄZISION Carl Kurt Walther GmbH & Co. KG

Hausadresse / Head office:

Westfalenstrasse 2
42781 Haan, Germany

T +49 (0) 21 29 567-0
F +49 (0) 21 29 567-450

Postadresse / Postal address:

PF / P.O. Box 420444
42404 Haan, Germany

E info@walther-praezision.de
W www.walther-praezision.de



Choose the Original
Choose Success!



WalCoDo[®]
WALTHER CONNECTING & DOCKING