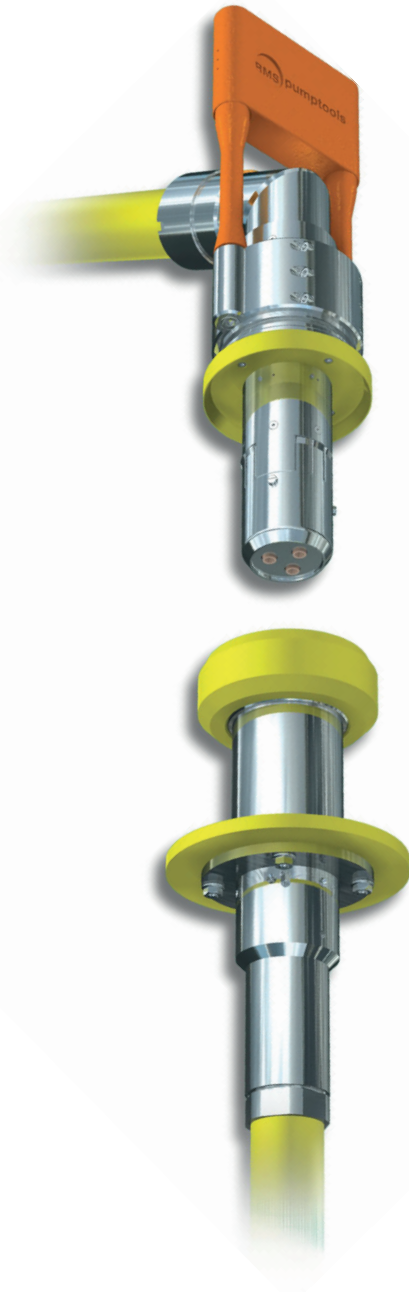


Wet-Mateable Power Connectors

RMSpumptools is the industry's technology leader for ESP Power Connectors and extends our ethos of design for reliability to Subsea Electrical Wetmateable Connectors for Power and Instrument Lines, bringing a step-change to ESP Subsea System reliability.



Key Features

Dielectric Oil Treatment Technology

Unique formula treatment that neutralises moisture and maintains insulation integrity, protecting against electrical failure and prolonging life of the system.

Energised Seals

Provides reliable long term seal compression in hostile environments, ensuring high levels of mechanical and electrical integrity over the life of the product - delivering maximised reliability.

Metal to Metal Sealing

High integrity sealing at critical barriers providing maximum protection against water ingress, resulting in long term reliability.

Misalignment Compliance System

Radial, Angular and Axial mechanical compliance is built into the design, eliminating damage during the most severe mating scenarios, avoiding premature failure and recourse to backups.

Plug & Play Installation Options

Allows repeatable, efficient installation without critical on-site operations, resulting in superior time and cost savings.

Crimp Termination Technology

Repeatable cable termination using pre-set crimp tooling, simplifying installation and eliminating errors during operation.

ESP Cable Termination Technology

Field proven repeatable cable termination reliability over years of wide ranging service, simplifying installation and eliminating errors.

Electrical Specification

3 Phase System
 Maximum Working Current: 160A
 Maximum Balanced Working Voltage: 5000Va.c
 Frequency: Up to 60Hz
 Maximum Test Voltage: 28Vd.c (11.54kVa.c)
 Insulation Resistance (@20°C): >10 GΩ @ 5000Vd.c
 Maximum Contact Resistance: <10 mΩ
 Partial Discharge Inception Voltage: > 1.73 Uo

Mechanical Properties

Working Design Life: 20 years
 Body Material: Inconel, Superduplex and Stainless Steel to ISO 15156
 Working Depth: 3400m
 Rated Pressure: 5,000psi (34 Nmm-2, 340 Bar)
 Operating Temperature: -20°C to 121°C
 Storage Temperature: -40°C to 70°C
 Outer Diameter: 70mm, Female=76mm
 Maximum Demate Speed: 0.5 ms-1

Product Variants

Tree to TH (with Wellhead Penetration)
 Subsea ROV
 Umbilical Terminations

