

ENGINEER TO ORDER

SPECIAL PROJECT INFORMATION SHEET



Project Description	Class 4 to 6,000 N.m right angle torque multiplier		
Date created	30 July 2015	Project Number	Q2967 / Q3106

INTRODUCTION & APPLICATION

Oil & gas industry requirement for torque multipliers to actuate 10" pipe clamps where access is restricted such that conventional in-line tools cannot be used.

The multiplier will be positioned by an ROV and driven by a standard API Class 4 tool.

Normal operation output torque 4,000 N.m max. / temporary peak torque 6,000 N.m.

Visual tool rotation and drive engaged indicators required.

SOLUTION

Right angle tool incorporating a spiral bevel gear drive and special ratio torque multiplier.

Torque verification kit including 7,000 N.m HE transducer & instrument. Also used as a transport case.



TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

Torque multiplication 3.6:1.

Topside & subsea versions. Subsea version oil filled & pressure compensated for up to 3,000m depth.

Spring loaded output drive with 49.5mm (nom) female hexagon flank drive.

Compact overall tool length of 635mm.

Air weight 75 Kg / Sea water weight 59 Kg.