

# ENGINEER TO ORDER

## SPECIAL PROJECT INFORMATION SHEET



Project Description	HT9 / 25 special with 4:1 output gear train kit		
Date created	17 July 2013	Project Number	Q2605

### INTRODUCTION & APPLICATION

Sub-sea tooling project for a major UK petroleum company requiring a torque multiplier and output gear train to integrate into a drum winch.

### SOLUTION

HT9/25 having special input & output drives and 4:1 output gear train kit.



### TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

HT9 torque multiplier rated at 9,500 N.m (7,000 lbf.ft) maximum torque.  
HT9 torque multiplication ratio 25:1 & output gear train kit ratio 4:1, giving total multiplication of 100:1.  
Grease free for integration in customer's oil filled pressure compensated vessel.  
Unit mounting is via standard torque reaction fixing holes (less reaction).  
Special input drive having female serrated bore.  
Special output drive with external serrations to suit sun gear bore.  
Output planetary gear train comprising one sun gear, four planet gears and one 288mm PCD ring gear.