

SCHILLING T4 ADVANCED CONTROL

GEN 2 ELECTRONICS



Description

The Schilling TITAN 4 is widely regarded as the world's premier manipulator system.

Schilling Titan systems has been the industry standard for over 35 years and has become the ROV crew's top choice for dexterous manipulator usage in subsea applications and are extensively used on ultra-heavy work class ROVs.

This arm has the dexterity and accuracy necessary to perform the fine movements needed for complex tasks. When this ability is combined with the manipulator's reach (1,922mm), payload capacity (122kg at full extension), and large operating envelope, the TITAN 4 offers unequalled performance in a wide range of subsea applications.

Features

- Accurate Position Control
- Advanced Master Controller
- Compact Design
- High Lift-to-Weight Ratio
- Titanium Construction
- Large Operating Envelope
- Wrist Camera Available
- Interchangeable Jaws Available

SPECIFICATIONS

Schilling T4 Manipulator

General Technical Specification

Type Schilling TITAN 4
Part Number ARM-T4

Dimensions, shipping (L x W x H) mm 1250 x 830 x 710
Weight (air / water) kg 100 / 78

Hydraulic Specifications

Max. Input Pressure PSI 3000
Max. Input Flow L/min 19
Fluid Mineral Oil Tellus 32 or similar
Viscosity cSt 10-200
Max Fluid Temperature °C (°F) 54 (129)

* Please contact us for questions or more information regarding fluid compatibility

ROV Hydraulic Interface

Pressure JIC 4
Return JIC 6

Electrical Data

Input Power, Controller VAC 90-260
Input Power, Manipulator VDC 24

Communication

RS232 & RS485 8PIN Glen Air 55A1-2008 Pigtail 1,5 meter
(Factory-set telemetry protocol is RS232)

General Features

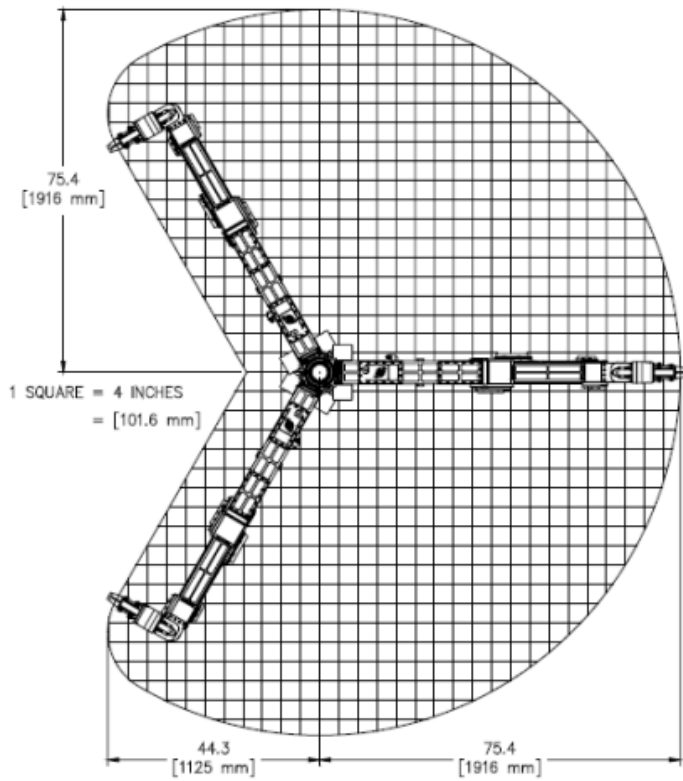
Depth Rating MSW 4000
Lift (at full extension) Kg 122
Wrist Torque (nominal) Nm 170
Wrist Rotate (nominal) RPM 6 – 35
Grip Force (nominal) N 4,092

Available per Request

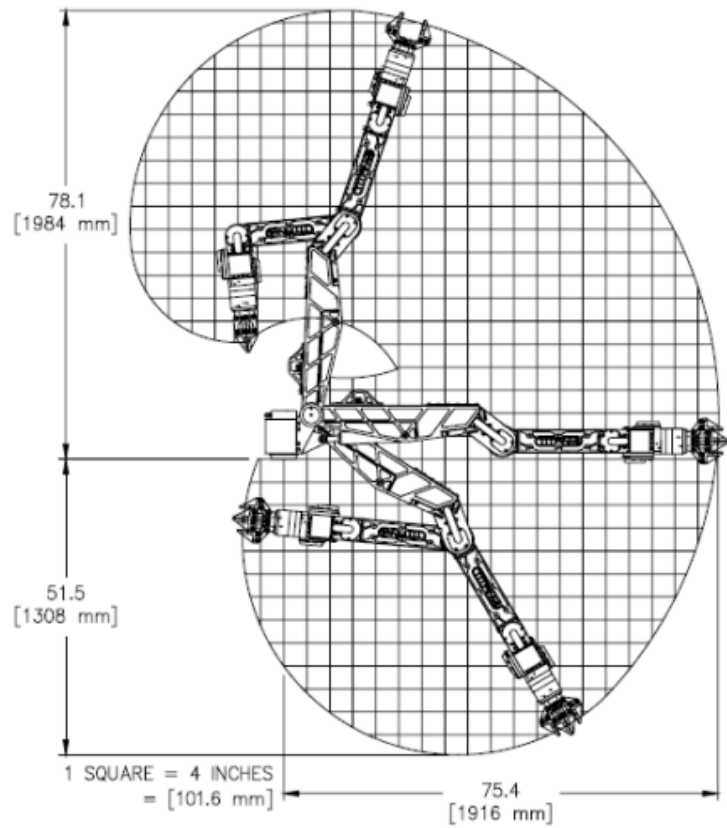
Wrist Camera 1/3 Colour Super HAD CCD Camera
Interchangeable Jaws 3-finger, 4-finger & Parallell Jaws

SPECIFICATIONS

Schilling T4 Manipulator



Range of Motion, Top View



Range of Motion, Top View