



TITANROB M700C TITANIUM MANIPULATOR SPECIFICATIONS

M700C (R) 7 FUNCTION LIGHT WORK CLASS TITANIUM MANIPULATOR

The M700C is a seven function hydraulic manipulator made of titanium and developed for Observation and Light Work Class ROVs. Resistant, lightweight and reliable, it's designed for heavy duty ROV works improving performance and operation. It could be rate operated by any low power (1kW) hydraulic power unit and a solenoids (x7) valve pack fitted in the ROV vehicle.



M700 7 FUNCTION TITANIUM MANIPULATOR ARM SPECIFICATIONS:

GENERAL SPECIFICATIONS

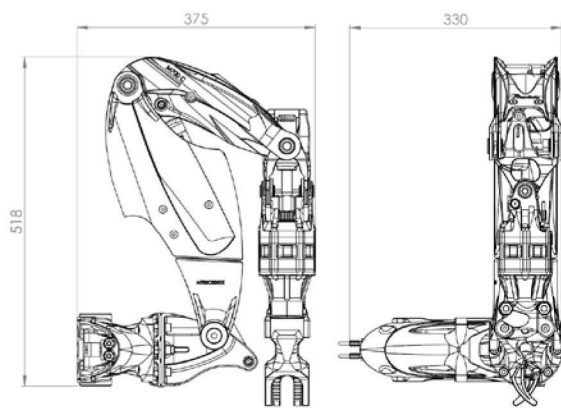
Depth rating (m)	3000
Weight in air (kg)	17
Weight in water (kg) w/ hyd. oil and hoses	14
Maximum reach (mm)	1200
Lift at full extension (kg)	40 @ 140 bar
Maximum lift (kg)	50 @ 140 bar
Jaw Grip (kgf)	80
Jaw Torque (Nm)	30
Dimensions stowed LxWxH (mm)	330 x 375 x 518
Operating temperature (C)	-5 / +55
Construction Main Materials	Ti6Al4V Titanium / AISI 316 SS

FUNCTIONS

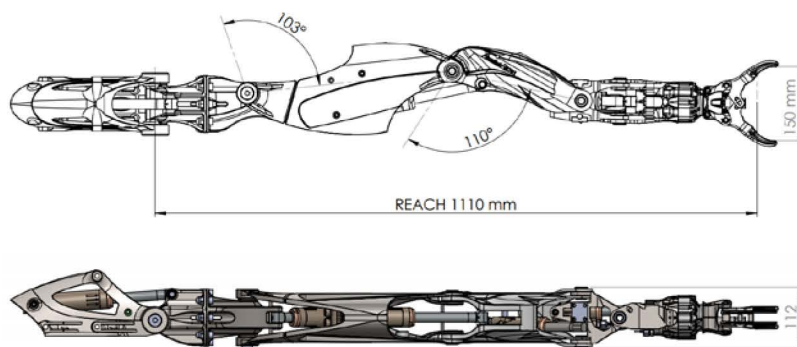
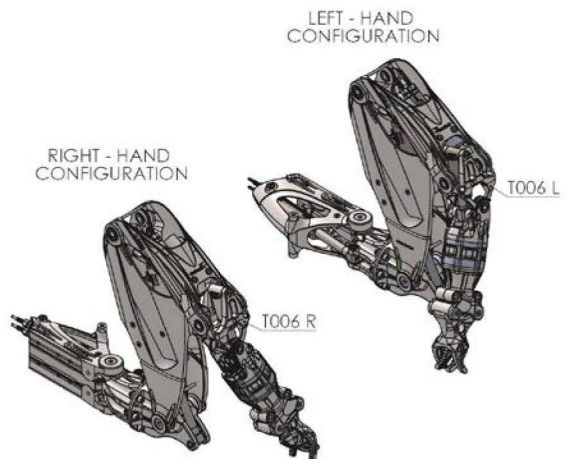
SHOULDER Azimuth (Yaw) (deg)	120° (+90° / -30°)
SHOULDER Pitch (deg)	105°
ELBOW Pitch (deg)	110°
WRIST Pitch (deg)	120°
WRIST Yaw (deg)	120°
JAW Rotate (deg)	360 continuous
JAW Opening (mm)	150

HYDRAULIC REQUERIMENTS

Standard Hydraulic Oil	ISO 32
Operating pressure (bar)	140 - 210
Operating Flow Rate (lpm)	Min 1.5
Test Pressure (bar)	240
Max. Oil Temp. (°C)	55



STOWED DIMENSIONS



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