



MAGNUM Series

Multi Function, Field Serviceable Subsea Manipulators

- Strong and rugged
- Integrated telemetry
- Field serviceable
- Anodized aluminum construction
- Operating depth of 6,000 msw
(Option to depth of 11,000 msw)
- Integrated tool clamp
- Proven reliability
- Large operating envelope
- Multiple gripper options



ISE has been designing and building subsea manipulators for over 33 years. Our current generation of Magnums offer extremely high lift capacity, even at full extension. Components and assembly have been refined to allow for rapid field serviceability, while maintaining a high degree of reliability.

Magnum Arms - Toughest in the Business.



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Magnum Manipulators - Selection Chart

				
Model	Magnum-5 STD	Magnum-5 Mini	Magnum-6 Mini	Magnum-7
Number of Functions	5	5	6	7
Reach	46 inches	28 inches	38 inches	60 inches
Weight	57 Kg (125 lbs)	13 Kg (29 lbs)	63 Kg (139 lbs)	71 Kg (157 lbs)
Maximum Lift	454 Kg (1000 lbs)	68 Kg (150 lbs)	454 Kg (1000 lbs)	454 Kg (1000 lbs)
Lift at Full Extension	295 Kg (650 lbs)	23 Kg (51 lbs)	317 Kg (700 lbs)	295 Kg (650 lbs)
Wrist Torque	108 Nm (80 ft-lbs)	14 Nm (10 ft-lbs)	108 Nm (80 ft-lbs)	108 Nm (80 ft-lbs)
Grip Force	160 Kg (350 lbs)	35 Kg (78 lbs)	160 Kg (350 lbs)	205 Kg (450 lbs)
Input Pressure	6900 kPa (1000 psi)	3447 kPa (500 psi)	6900 kPa (1000 psi)	6900 kPa (1000 psi)
Input Flow	19 LPM (5 gpm)	19 LPM (5 gpm)	19 LPM (5 gpm)	19 LPM (5 gpm)
Control	Rate or Spacially Correspondent	Rate	Rate	Rate or Spacially Correspondent