

# ARTICULATOR 5000

## 5T GRAB



## PRECISE AND SAFE HANDLING

The Articulator 5000 has a maximum lift/SWL of 5 tonnes, and is capable of manipulating, maneuvering and rotating sections, poles, masts and posts up to 20m length\*. Its four uniquely adjustable feet and telescopic legs allow the Articulator 5000 to adjust to various changes in width and size, while remaining sturdy and safe.

### KEY FEATURES

- Lifts regular or tapered structures of varying widths, clamping and holding securely – for safe and precise positioning.
- Lifts tubular structures and all round sections up to 795mm diameter and 20m in length\*.
- Handles parallel or tapered box sections, square, oblong or H-beam etc. and of various other sectional characteristics up to 850mm width and 20m in length\*.
- 360° endless rotation included.

\*Subject to load being held at its center of gravity.

# WORKING SPECS

## Dimensions (mm)

Height with legs extended	Height with legs retracted	Length/width arms open	Length/width arms closed	Diam. max. round section	Dims. max. angular section	Height max. of object
1915	1345	1840 / 1515	2230 / 670	795	850	720

## Angles / Speeds

Tilt left / right	Rotation speed	Lateral arm closing speed**	Lateral arm opening speed**	Centre clamping pad retract speed**	Centre clamping pad extend speed**
50° / 50°	8.5 RPM	1.39 m/sec	2.06 m/sec	0.295 m/sec	850 m/sec

\*\* @ 50 l/min

## Forces / Electrics

Lateral legs combined***	Lateral arms combined***	Centre clamping pad***	Centre clamping pad****	Supply required
36.8 kN	49.0 kN	50.89 kN	62.20 kN	12 / 24

\*\*\* @ 180 bar

\*\*\*\* @ 240 bar

## Hydraulic Requirements Tilt / Rotation (Two double acting circuits required)

Tilt torque @240 bar	Tilt oil flow	Tilt pressure	Tilt hydr. power input	Rotation oil flow	Rotation pressure	Rotation hydr. power input
24.4 kN	20-50 l/min	180-240 bar	20 max. kW	20-70 l/min	120-200 bar	23 max. kW

## Hydraulic Requirements Centre Clamping Pad

Oil flow range	Pressure range	Hydraulic power input
20-70 l/min	120-200 bar	23 max. kW

