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# ARTICULATOR™ 5000

## Precise and Safe Handling

**R** THE ARTICULATOR  
**5000™**

**NetworkRail**  
Product Approval  
PA05/07081

# ARTICULATOR™ 5000

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With a maximum lift/SWL of 5 tonnes, the Articulator™ 5000 is capable of manipulating, manoeuvring and rotating sections, poles, masts and posts up to 20m length\*.

With its four uniquely adjustable feet and telescopic legs, the Articulator™ 5000 can adjust to various changes in width and size and remain sturdy and safe.

- 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.
- Shown featuring the **NOX** Tiltrotator.

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



## Dimensions

Height with legs extended (mm)	Height with legs retracted (mm)	Length/width arms open (mm)	Length/width arms closed (mm)	Diam. round section (mm)	Dims. angular section (mm)	Height max. of object (mm)
1915	1345	1840 / 1515	2230 / 670	795 / 750*	850 / 820*	720

\* Feet Offset/Feet Parallel

## Angles / Speeds

Tilt left / right (°)	Rotation speed** (RPM)	Lateral arm closing speed** (m/sec)	Lateral arm opening speed** (m/sec)	Centre clamping pad retract speed** (m/sec)	Centre clamping pad extend speed** (m/sec)
50 / 50	8.5	1.39	2.06	0.295	0.531

\*\* @ 50 l/min

## Forces / Electrics

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

\*\*\* @ 180 bar

\*\*\*\* @ 240 bar

## Hydraulic Requirements Tilt / Rotation

Two double acting circuits required

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

## Hydraulic Requirements Centre Clamping Pad

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



DEAN Equipment Ltd reserves the right to amend specifications without prior notice. E&OE. IPR Dean, GB1809398.9

Specifications are subject to change without notice. The manufacturer reserves the right to change specifications without notice and without incurring obligations.

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