

THE ARTICULATOR

Specifics and Information



UK patent pending GB1809398.9

SWL	SWL 5000 kg *
Service Weight	1480 kg **
Carrier Class	tonnes ***

Dimensions (in mm)

Height, Legs fully extended	mm	1915
Height, Legs fully retracted	mm	1345
L/W, Lateral Arms fully open	mm	1840/1515
L/W, Lateral Arms fully closed	mm	2230/670
Max dia - round section feet fitted (eg: pipe)	mm	795
Max dim - angular section feet fitted (eg: box)	mm	850
Max height of object within the Articulator, feet to clamp	mm	720

Angles/Speeds:

Tilt L/R	degrees	50/50
Rotation, continuous	degrees	360
Rotation speed @ 50 l/min	RPM	8.5
Lateral Arm, closing speed, @ 50 l/min	m/sec	3.46
Lateral Arm, opening speed @ 50 l/min	m/sec	4.62
Centre Clamping Pad, retract speed @ 50 l/min	m/sec	0.295
Centre Clamping Pad, extend speed @ 50 l/min	m/sec	0.531

Forces:

Lateral legs @ 180 bar , combined	Kn	22.5
Lateral Arms @ 240 bar, combined	Kn	30.0
Centre Clamping Pad @ 180 bar	Kn	50.89
Centre Clamping Pad @ 240 bar	Kn	62.20

Electrics:

Supply required	V	12
-----------------	---	----

Hydraulic Requirements:

Double acting circuits required	Nr	2
Tilt torque @240 bar	Kn	24.4
Tilt, oil flow range	l/min	20-50
Tilt, pressure range	bar	180-240
Tilt, hydr power input (Max)	Kw	20
Rotation, oil flow range	l/min	20-70
Rotation, pressure range	bar	120-200
Rotation, hydr power input (Max)	Kw	23
Centre Clamping Pad, oil flow range	l/min	20-50
Centre Clamping Pad, pressure range	bar	180-240
Centre Clamping Pad, hydr power input (Max)	Kw	20

* Max, not to exceed. Operate Articulator and load within capacity of the carrier.

** This is an approximation due to varying weights of mounting brackets (cradles) and ancillary items (if any).

*** The selected carrier will have handling capacity for the combined weight of Articulator and load.