Cylinder 5 stage front end with Outer Cover

# CS170058983B19L11

**ALLOW 50mm TO REMOVE CAP FOR SERVICING

15° MAX

30° MAX

2176**

345 +40/0 MOUNTING CENTRES*

190

80

R135

217

462

330

Ø60 0/-.10

Ø60 0/-.10

260

395

1.25" BSP INLET PORT

Customer to fit 2 x 1/8" BSP nipples for greasing. NG5 or NG6

*Includes 12mm Pull Out
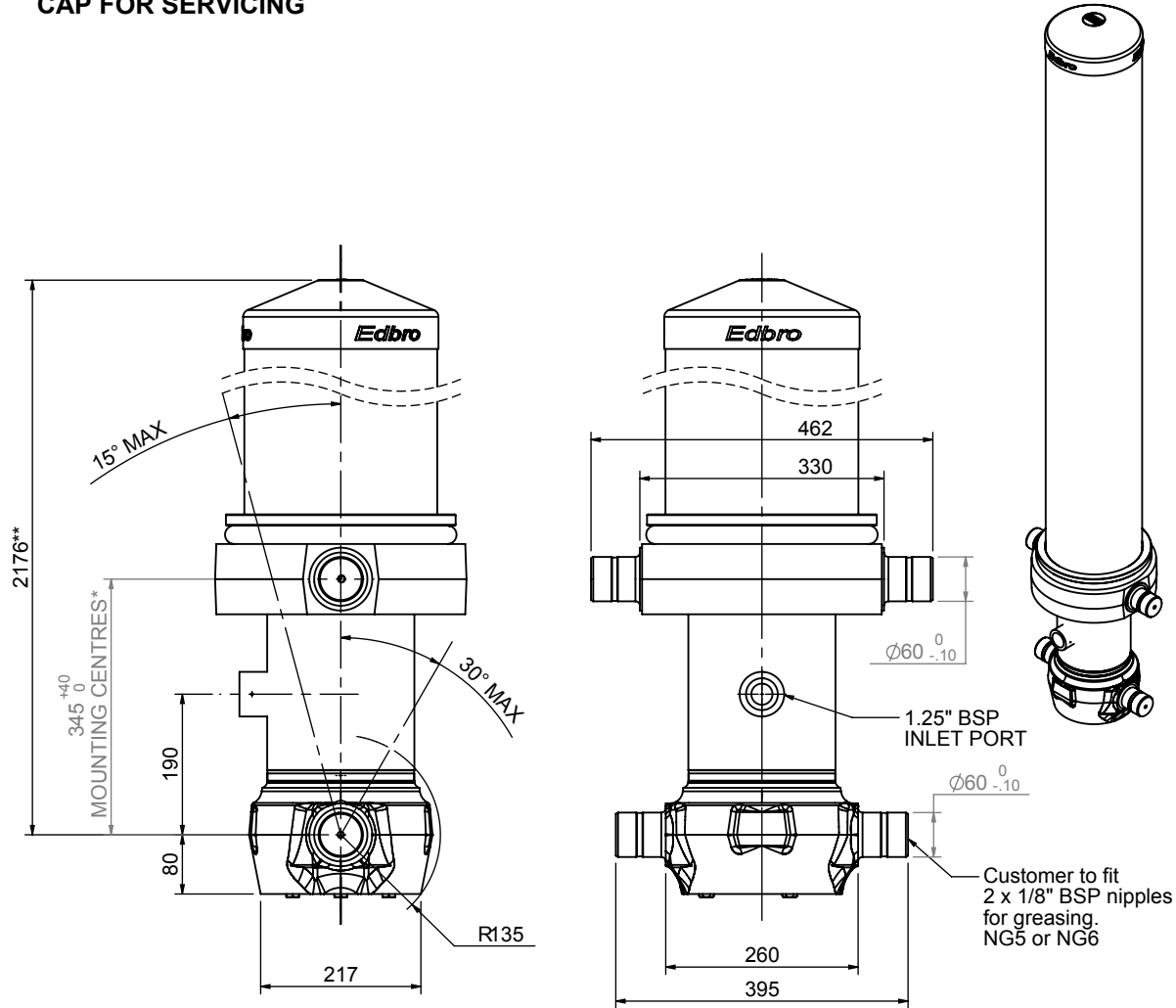
SPECIFICATION		RATED CAPACITY : 24-29 TONNES***		
Stage	Diameter	Length	Stroke	Swept Volume
OUTER COVER	261	1795	-	-
0	199	2125	-	-
1	176	2090	1864	45
2	155	2090	1887	36
3	136	2090	1897	28
4	117	2090	1912	21
5	98	2090	1417	11
Final stroke reduced by	500	Total (+5/-10) 8977		141
Cylinder Mass (Kg)	397.59	Priming Volume		27
Rated Pressure (Bar)	110	Total Volume (Litres)		168
Maximum Pressure (Bar)	175	Max. first stage thrust		260 KN

***TIPPING CAPACITY AT RATED PRESSURE

$d = 229$; $r = 900$

Body Length(BL)

$L = BL/2 - OH$

δ

r

θ

W

OH
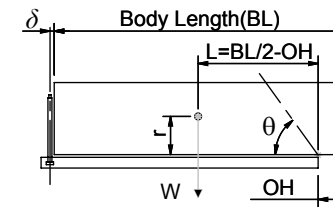
BODY LENGTH (BL)						OH
11000		11500		12000		
25	48°	24	46°			150
27	49°	26	47°	25	45°	450
29	51°	27	48°	26	46°	750

Tipping angle (θ)

Body + payload mass,W (tonne)

For guidance only;
Higher Rated Pressures may be possible. To check your application, email Edbro plc at <applications@edbro.co.uk>

NOTES

- If hydraulic pressure is used to limit overloading, the system relief valve must be set to the Rated Pressure unless agreed otherwise by Edbro
- The system relief valve can be set to Maximum Pressure if the load is limited by other means. See RATINGS page for advice
- This cylinder is for lifting purposes only and sideload conditions must be avoided
- Cylinder is painted in primer paint to RAL5013
- See bracket options page BRKT01, BRKT02
- See installation instructions INSTALL01
- Use oil according to specification OIL01

Technical Specifications are subject to change without notice
Date Created/Updated: 21 August 2009 15:19:34
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated