Cylinder 5 stage front end with Outer Cover

CS170056233S25A14

**ALLOW 50mm TO REMOVE CAP FOR SERVICING

15° MAX

1526***

900 +40/0 MOUNTING CENTRES*

462

330

Ø60 0/-.10

1" BSP/SAE INLET PORT

30° MAX

250

80

R135

217

260

395

Ø60 0/-.10

Customer to fit 2 x 1/8" BSP nipples for greasing. NG5 or NG6
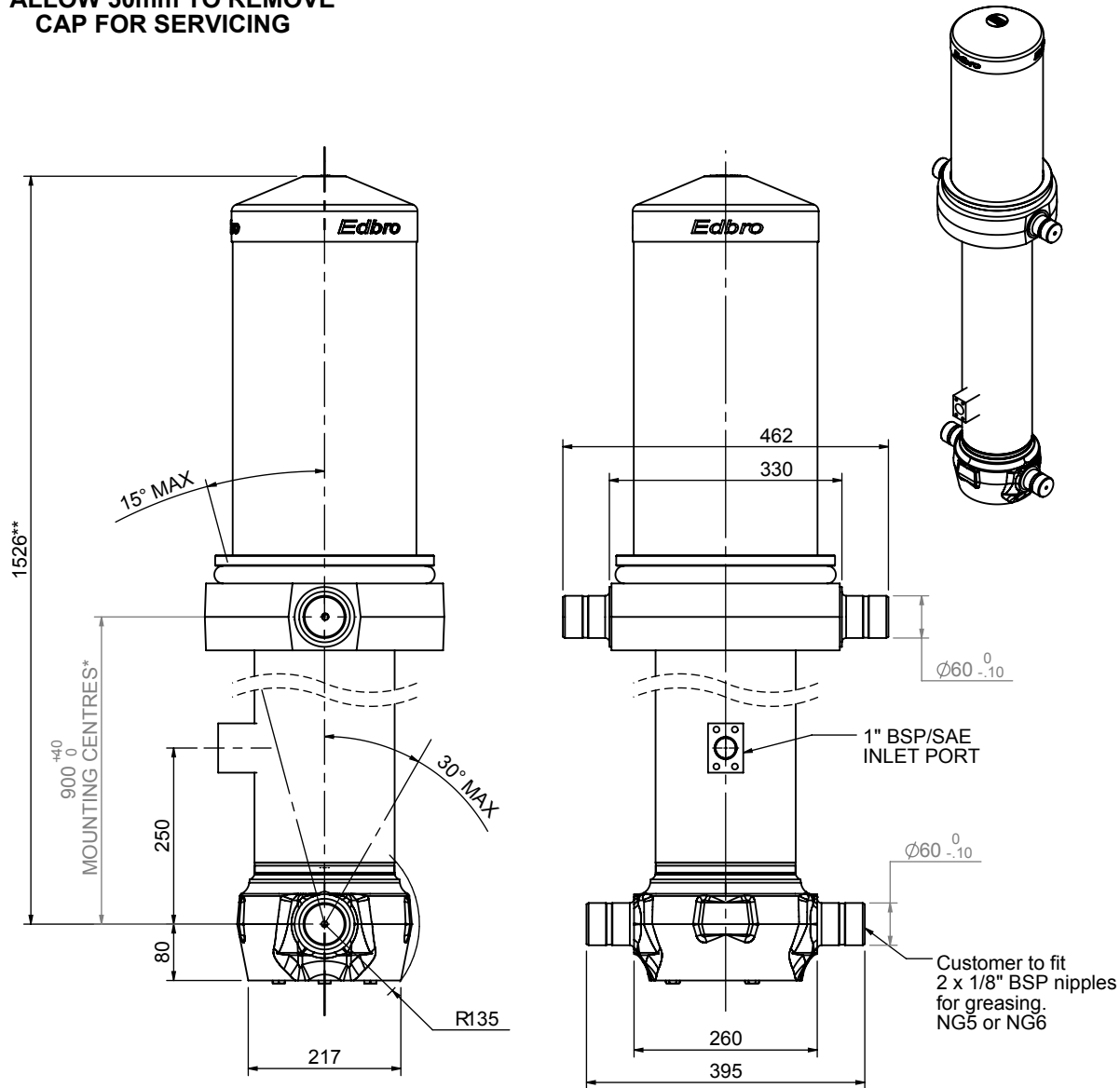
*Includes 12mm Pull Out

SPECIFICATION			RATED CAPACITY : 38-55 TONNES***	
Stage	Diameter	Length	Stroke	Swept Volume
OUTER COVER	261	590	-	-
0	199	1475	-	-
1	176	1440	1214	30
2	155	1440	1237	23
3	136	1440	1247	18
4	117	1440	1262	14
5	98	1440	1267	10
Final stroke reduced by	0	Total (+5/-10) 6227		95
Cylinder Mass (Kg)	280.89	Priming Volume		19
Rated Pressure (Bar)	175	Total Volume (Litres)		114
Maximum Pressure (Bar)	175	Max. first stage thrust		260 KN

***TIPPING CAPACITY AT RATED PRESSURE

$d = 229 ; r = 900$

δ

Body Length(BL)

$L = BL/2 - OH$

r

θ

W

OH
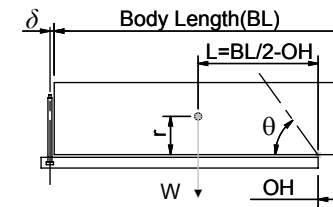
BODY LENGTH (BL)						OH
7500		8000		8500		
43	49°	40	46°	38	43°	150
48	51°	44	48°	41	45°	450
55	54°	49	50°	45	46°	750

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: 01 September 2009 11:35:45
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated