Cylinder 5 stage front end with spherical eye

CS170S55733B60A08C

R55
Ø50 $^{0}_{-0.012}$
60
Ø205
Ø114
40
1574 $^{+40}_{0}$ MOUNTED CENTERS
600
30° MAX
80
R135
Ø217
260
392
Ø60 $^{0}_{-0.10}$
1.25" BSP INLET PORT
Customer to fit 2 x 1/8" BSP nipples for greasing. NG5 or NG6

This drawing is available on request in PDF (2D), DXF (2D) or Parasolid (3D) via applications@edbro.co.uk
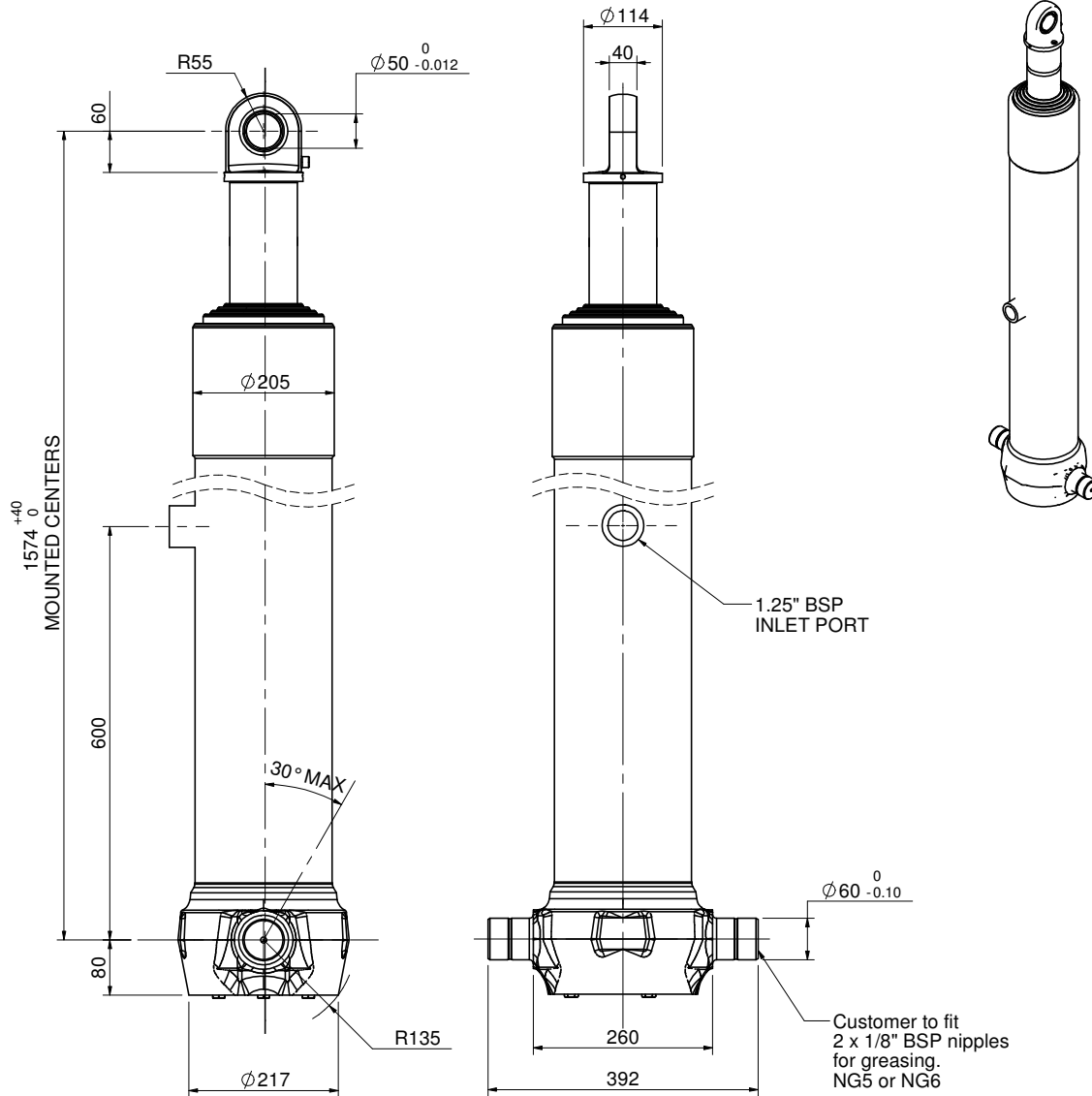
SPECIFICATION		RATED CAPACITY : 31-45 TONNES*		
Stage	Diameter	Length	Stroke	Swept Volume
0	198.12	1375		
1	176.00	1340	1120	27.2
2	154.85	1340	1137	21.4
3	135.75	1340	1147	16.6
4	116.65	1340	1162	12.4
5	97.8	1515	1167	8.8
Final stroke reduced by	0	Total	5733	86.4
Cylinder Mass (Kg)	212	Priming Volume		11.0
Working Pressure (Bar)	150	Total Volume (Litres)		97.4
Maximum Pressure (Bar)	175	Max. first stage thrust		260 KN

*TIPPING CAPACITY AT RATED PRESSURE

$\delta = 0$; $r = 900$

Body Length(BL)
L=BL/2-OH
δ
r
θ
W
OH
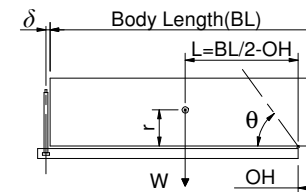
BODY LENGTH (BL)						OH
7250		7750		8250		
35	49°	33	45°	31	42°	150
39	51°	36	47°	34	44°	450
45	54°	40	49°	37	46°	750

Tipping angle (θ)
Body + payload mass,W (tonne)

For guidance only;
Higher working 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 Working Pressure unless agreed by Edbro.
- The system relief valve can be set to Maximum Pressure if the load is limited by other means.
- This cylinder is for lifting purposes only and sideload conditions must be avoided.
- Cylinder is painted in primer paint to RAL5010.
- See bracket options page 17BRKT01.
- See installation instructions INSTALL01.
- Use oil according to specification OIL01.

Technical Specifications are subject to change without notice
Date Created/Updated: 23 January 2009 15:01:04
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated