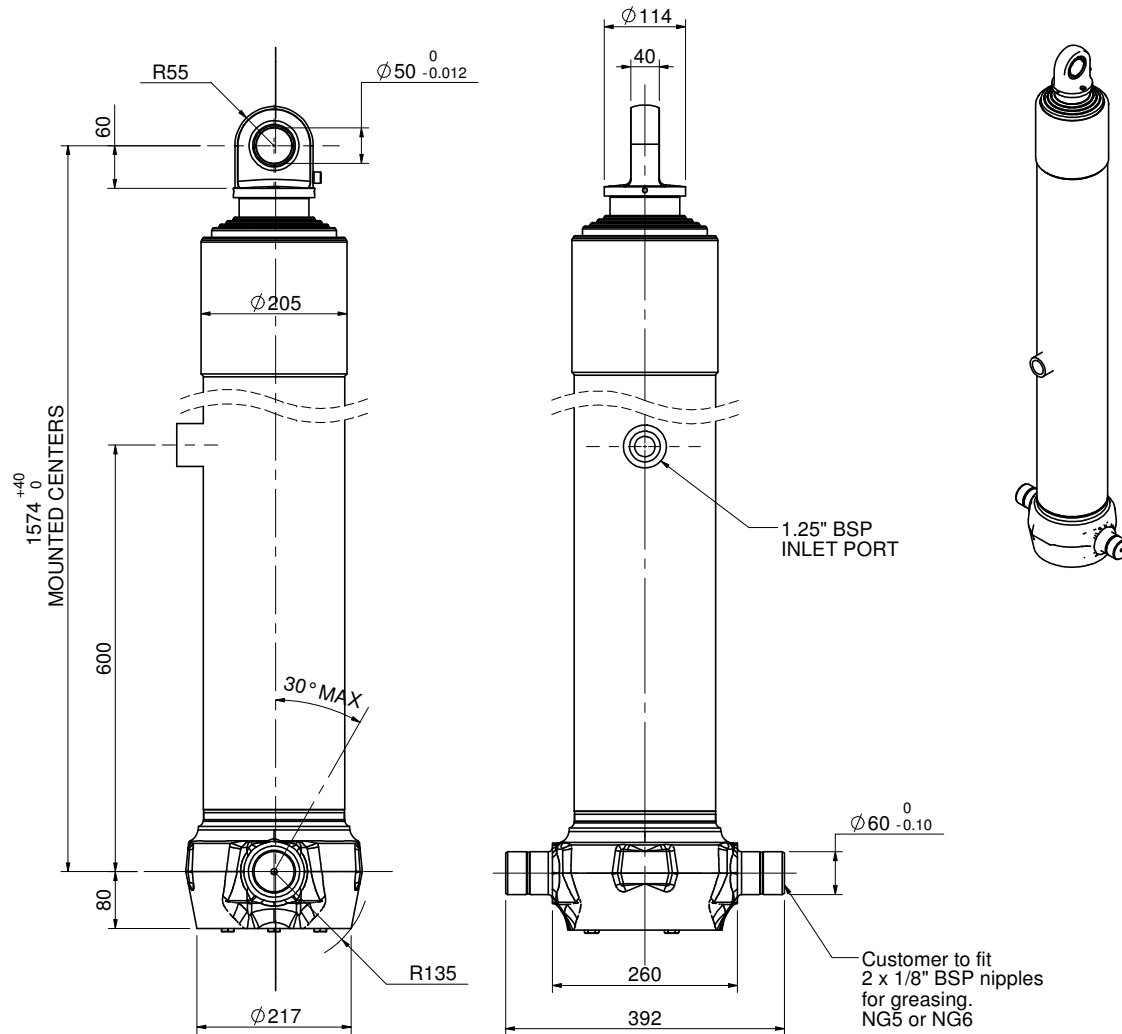


# Cylinder 5 stage front end with spherical eye

CS170S56283B60E02



SPECIFICATION		RATED CAPACITY : 32-46 TONNES*		
Stage	Diameter	Length	Stroke	Swept Volume
0	198.12	1525		
1	176.00	1490	1270	30.9
2	154.85	1490	1287	24.2
3	135.75	1490	1297	18.8
4	116.65	1490	1312	14.0
5	97.8	1515	1117	8.4
Final stroke reduced by	200	Total	6283	96.3
Cylinder Mass (Kg)	228	Priming Volume		12.0
Working Pressure (Bar)	150	Total Volume (Litres)		108.3
Maximum Pressure (Bar)	175	Max. first stage thrust		260 KN

**\*TIPPING CAPACITY AT RATED PRESSURE**

$\delta = 0 ; r = 900$

BODY LENGTH (BL)							OH
7750		8250		8750			
36	50°	34	47°	32	44°	150	
40	52°	37	48°	34	45°	450	
46	55°	41	51°	38	47°	750	

Diagram showing Body Length (BL), L=BL/2-OH, W, OH, and Tipping angle (θ).  
 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 sload 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.

This drawing is available on request in PDF (2D), DXF (2D) or Parasolid (3D) via applications@edbro.co.uk



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 Date Created/Updated: 23 January 2009 14:47:01  
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 All dimensions are in 'mm', unless otherwise stated