Cylinder 5 stage front end with spherical eye

CS170S55733B70A08

R55
Ø50 0 -.012
Ø114
40
60
Ø205
1575 +40 0
MOUNTING CENTRES*
700
30° MAX.
80
R135
217
1.25" BSP INLET PORT
Ø60 0 -.10
260
395
Customer to fit 2 x 1/8" BSP nipples for greasing. NG5 or NG6

*Includes 9mm Pull Out
Last Stage Chrome Plated
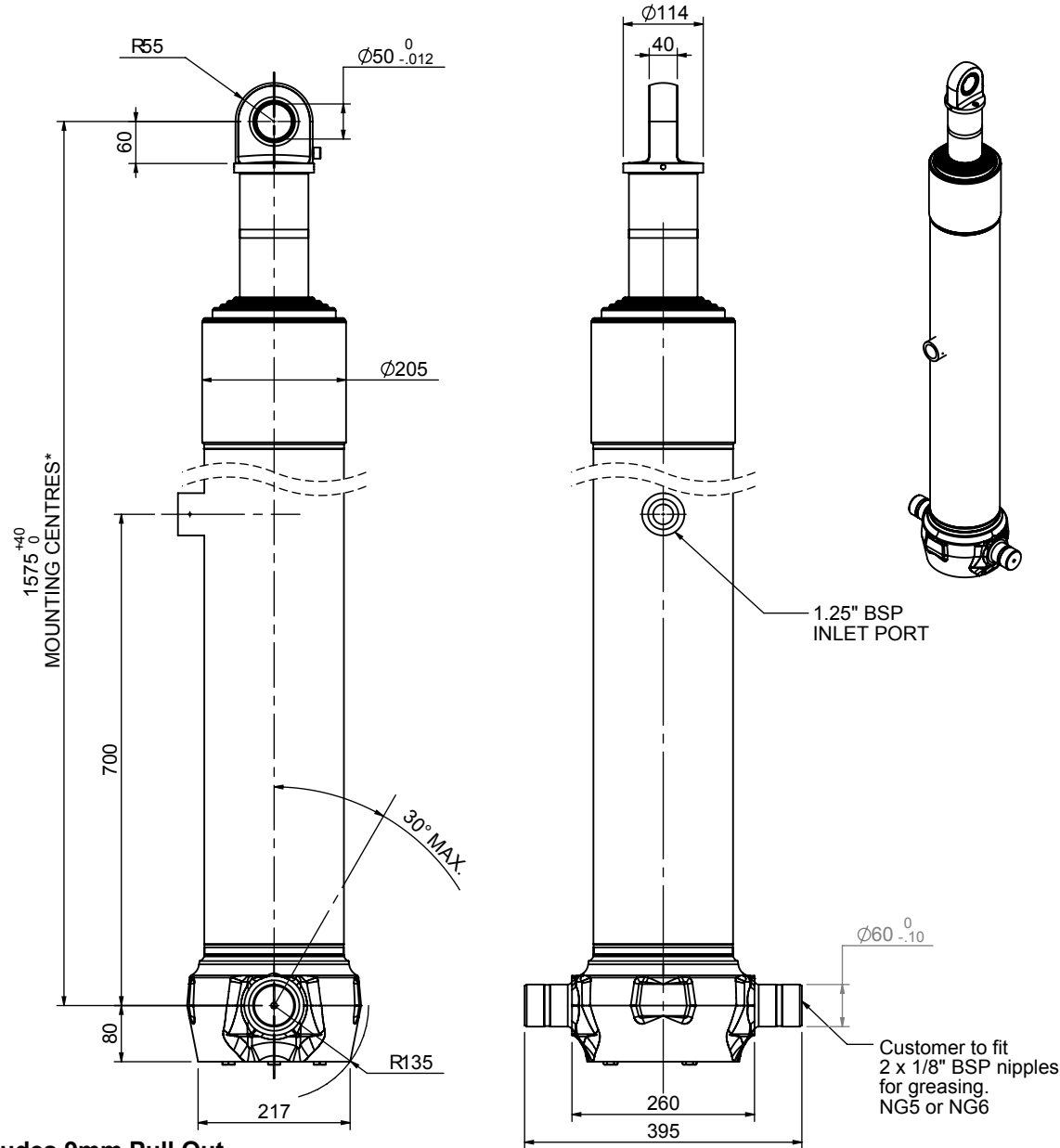
SPECIFICATION — RATED CAPACITY : 33-45 TONNES***

Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	199	1375	-	-
1	176	1340	1117	27
2	155	1340	1137	21
3	136	1340	1147	17
4	117	1340	1162	12
5	98	1515	1167	9
Final stroke reduced by	0	Total (+5/-10) 5730		86
Cylinder Mass (Kg)	215.85	Priming Volume		18
Rated Pressure (Bar)	150	Total Volume (Litres)		104
Maximum Pressure (Bar)	175	Max. first stage thrust		260 KN

***TIPPING CAPACITY AT RATED PRESSURE

$d = 0$; $r = 900$

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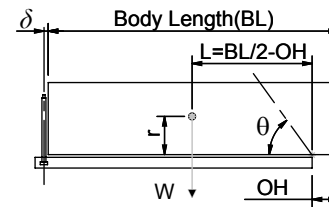
BODY LENGTH (BL)						OH
7250		7750		8250		
35	49°	33	45°			150
39	51°	36	47°	34	44°	450
45	54°	40	49°	37	46°	750

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

For guidance only;
Higher 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: 13 August 2009 14:44:39
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated