Cylinder 5 stage front end with plain eye

CS180E56983B70A02C

R45

Ø51 +0/−.012

62

Ø218

700

1667 +40/0
MOUNTING CENTRES*

80

230

R140

30° MAX.
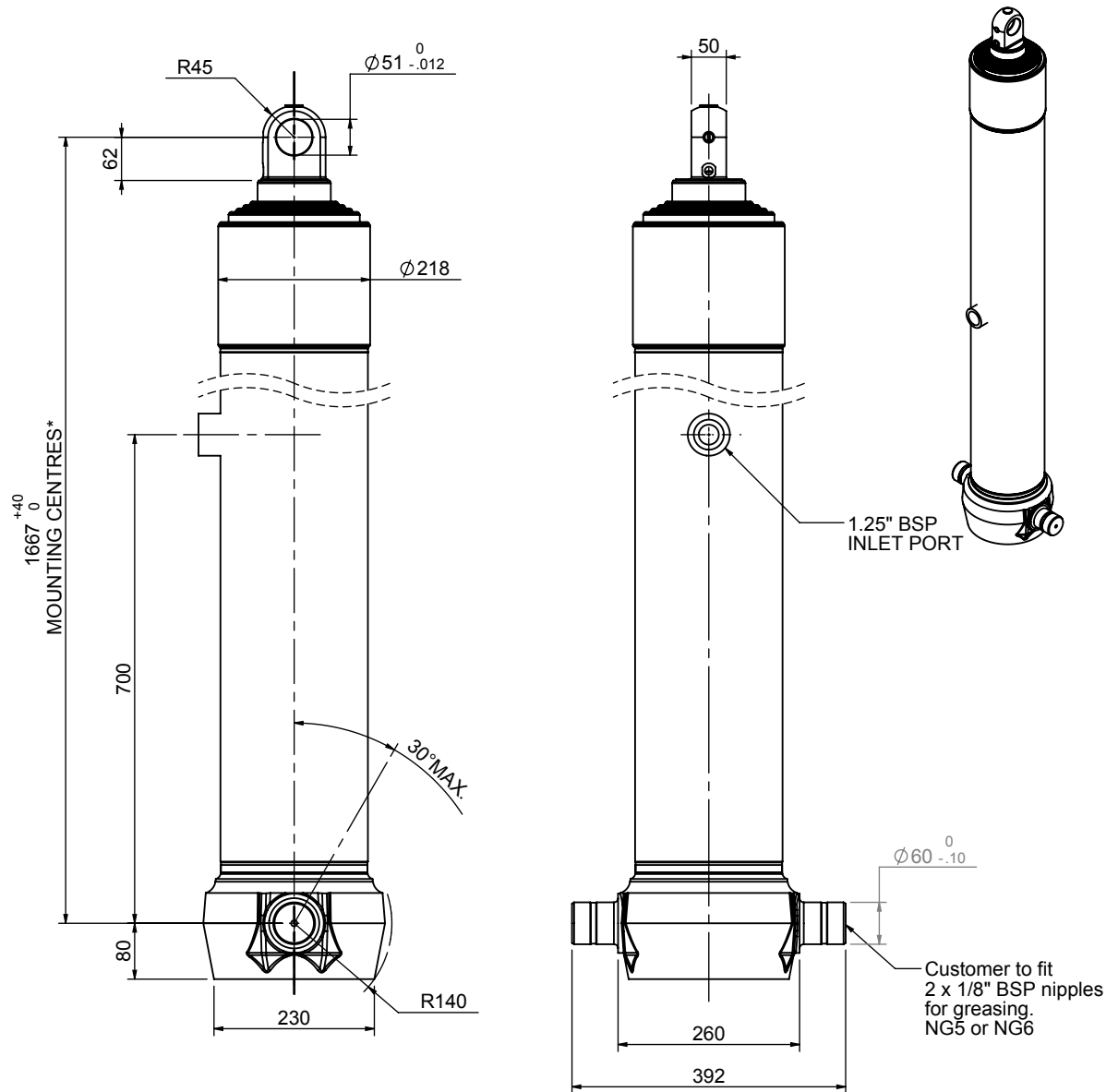
***Includes 9mm Pull Out
All Stages Chrome Plated**

50

Ø60 +0/−.10

1.25" BSP INLET PORT

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

260

392

SPECIFICATION		RATED CAPACITY : 32-42 TONNES**		
Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	211	1625	-	-
1	188	1590	1367	38
2	167	1590	1387	30
3	147	1590	1397	24
4	127	1590	1412	18
5	105	1615	1417	12
Final stroke reduced by	0	Total (+5/-10) 6980		122
Cylinder Mass (Kg)	283.86	Priming Volume		23
Rated Pressure (Bar)	135	Total Volume (Litres)		145
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
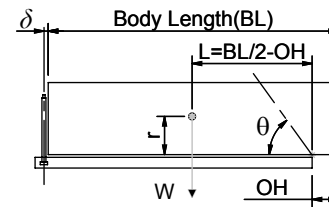
	BODY LENGTH (BL)					OH
	8750		9250		9750	
35	49°	33	46°	32	43°	150
38	51°	36	48°	34	45°	450
42	53°	39	49°	36	46°	750

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: 12 August 2009 11:37:53
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated