Cylinder 5 stage front end with spherical eye

CS180S56983S70A06C

R55
Ø50 $^{0}_{-.012}$
Ø117
40
60
Ø218
Ø50
1" BSP/SAE INLET PORT

1775 $^{+40}_{0}$ MOUNTING CENTRES*

700

80

30° MAX

230
260
392

R140
R55

Ø60 $^{0}_{-.10}$

Customer to fit
2 x 1/8" BSP nipples
for greasing.
NG5 or NG6
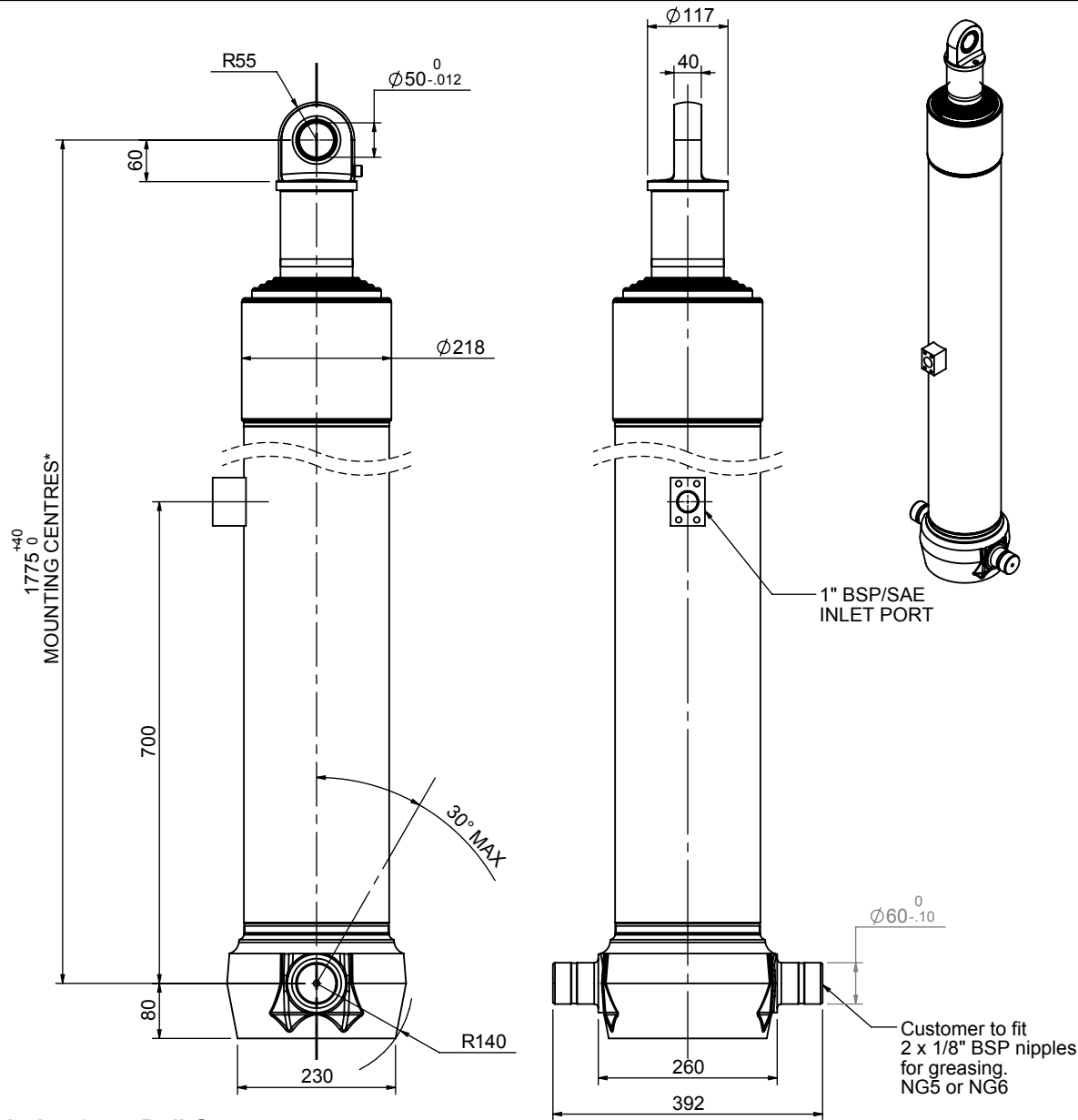
*Includes 9mm Pull Out
All Stages Chrome Plated

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	1715	1417	12
Final stroke reduced by	0	Total (+5/-10) 6980		122
Cylinder Mass (Kg)	288.41	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
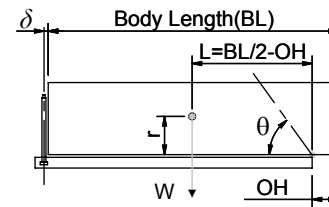
BODY LENGTH (BL)						OH
8750		9250		9750		
35	49°	33	46°	32	43°	150
38	51°	36	48°	34	45°	450
42	53°	39	49°	36	46°	750

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