Cylinder 4 stage front end with plain eye
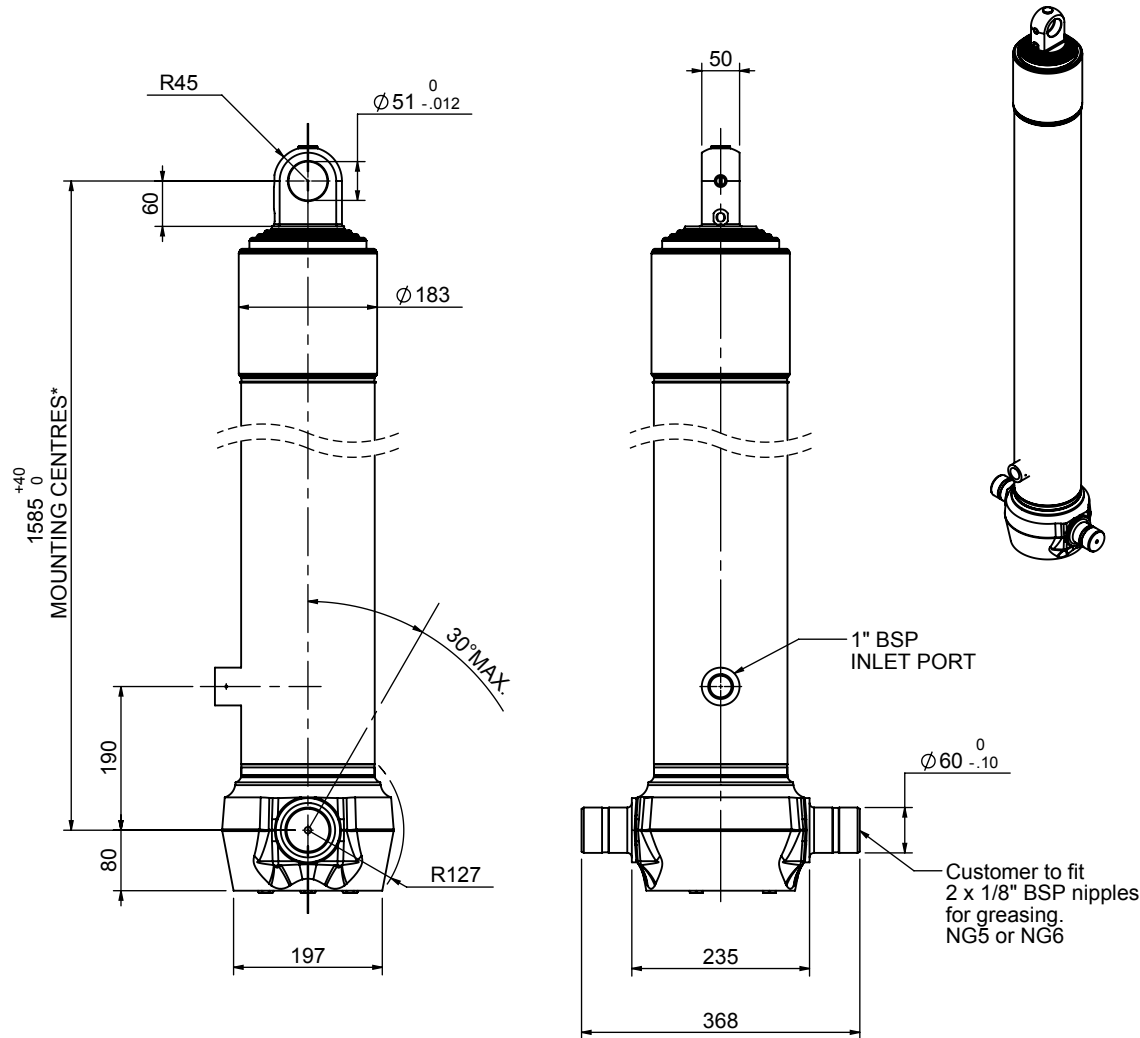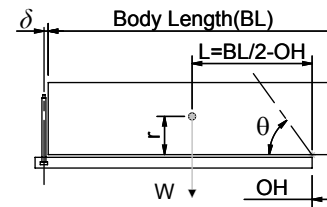
CS150E45406B19A01C

SPECIFICATION		RATED CAPACITY : 27-38 TONNES***		
Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
-	-	-	-	-
0	177	1575	-	-
1	155	1540	1327	25
2	136	1540	1347	20
3	117	1540	1362	15
4	98	1540	1367	10
Final stroke reduced by	0	Total (+5/-10)	5403	70
Cylinder Mass (Kg)	179.24	Priming Volume		17.6
Rated Pressure (Bar)	135	Total Volume (Litres)		87.6
Maximum Pressure (Bar)	175	Max. first stage thrust		230 KN

R45
$\varnothing 51^{\ 0}_{\ -.012}$
60
$\varnothing 183$
$1585^{+40}_{\ 0}$ MOUNTING CENTRES*
30°MAX.
190
80
R127
197

50
1" BSP INLET PORT
$\varnothing 60^{\ 0}_{\ -.10}$
Customer to fit 2 x 1/8" BSP nipples for greasing. NG5 or NG6
235
368

*Include 9mm Pull Out
All stages Chrome Plated

***TIPPING CAPACITY AT RATED PRESSURE

d = 0 ; r = 750

Body Length(BL)
L=BL/2-OH
δ
r
θ
W
OH

BODY LENGTH (BL)						OH
6750		7250		7750		
30	49°	28	46°	27	42°	150
33	52°	31	48°	29	44°	450
38	55°	34	50°	32	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: 19 November 2009 09:33:42
Refer www.edbro.com to confirm latest specification
All dimensions are in 'mm', unless otherwise stated