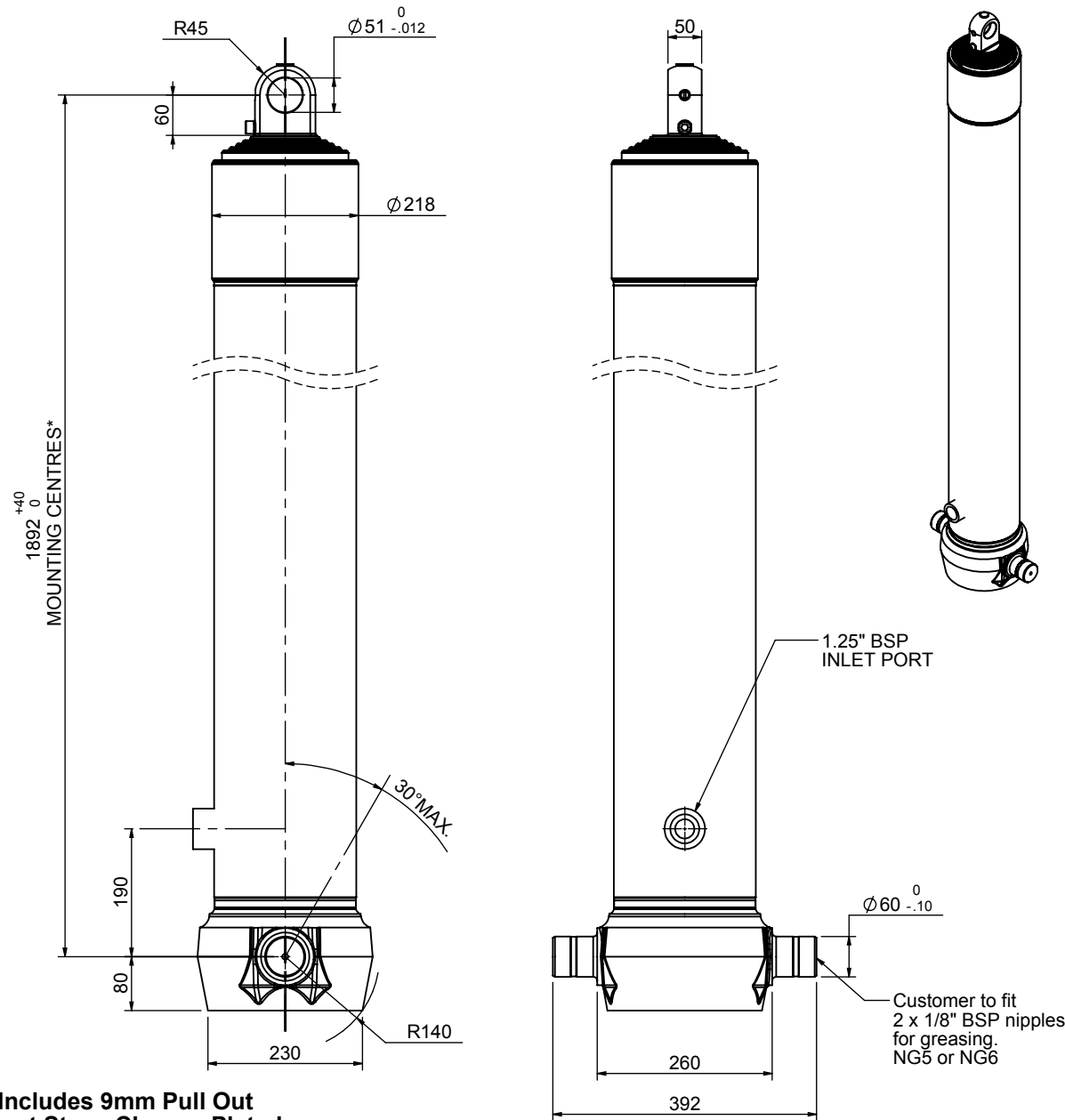


# Cylinder 5 stage front end with plain eye



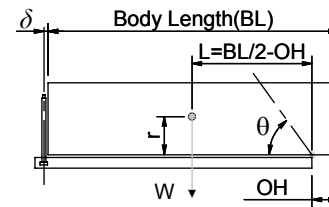
\*Includes 9mm Pull Out Last Stage Chrome Plated

# CS180E58233B19A01

SPECIFICATION		RATED CAPACITY : 27-31 TONNES**		
Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	211	1875	-	-
1	188	1840	1617	45
2	167	1840	1637	36
3	147	1840	1647	28
4	127	1840	1662	21
5	105	1840	1667	14
Final stroke reduced by	0	Total (+5/-10)	8230	144
Cylinder Mass (Kg)	319.95	Priming Volume		25
Rated Pressure (Bar)	110	Total Volume (Litres)		169
Maximum Pressure (Bar)	175	Max. first stage thrust	260 KN	

### \*\*TIPPING CAPACITY AT RATED PRESSURE

d = 0 ; r = 900



		BODY LENGTH (BL)				OH
		10500	11000	11500		
27	48°				150	
29	49°	27	47°		450	
31	51°	29	48°	28 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 sload 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