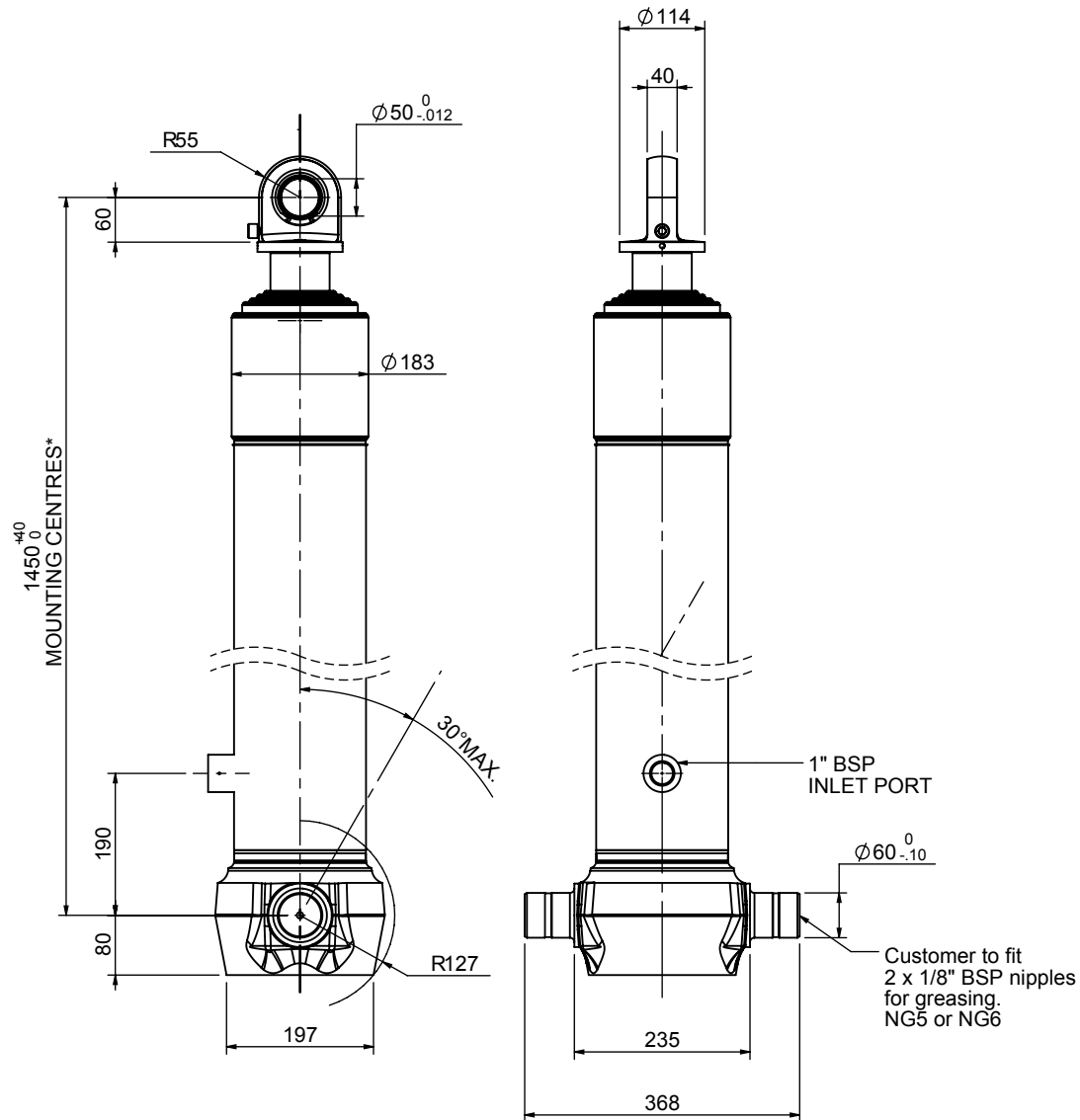


# Cylinder 5 stage front end with spherical eye

## CS150S55778B19A03

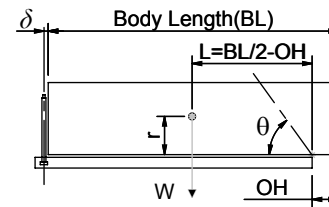


\*Include 9mm Pull Out  
Last Stage Chrome Plated

SPECIFICATION		RATED CAPACITY : 16-21 TONNES***		
Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	177	1375	-	-
1	155	1340	1127	21
2	136	1340	1147	17
3	117	1340	1162	12
4	98	1340	1167	9
5	79	1387	1172	6
Final stroke reduced by	0	Total (+5/-10)	5775	65
Cylinder Mass (Kg)	173.55	Priming Volume	14	
Rated Pressure (Bar)	120	Total Volume (Litres)	79	
Maximum Pressure (Bar)	175	Max. first stage thrust	230 KN	

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

$d = 0 ; r = 750$



BODY LENGTH (BL)						OH
7500		8000		8500		
17	47°	16	44°	16	41°	150
19	49°	18	46°	17	43°	450
21	52°	20	48°	18	44°	750

Tipping angle ( $\theta$ )  
 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