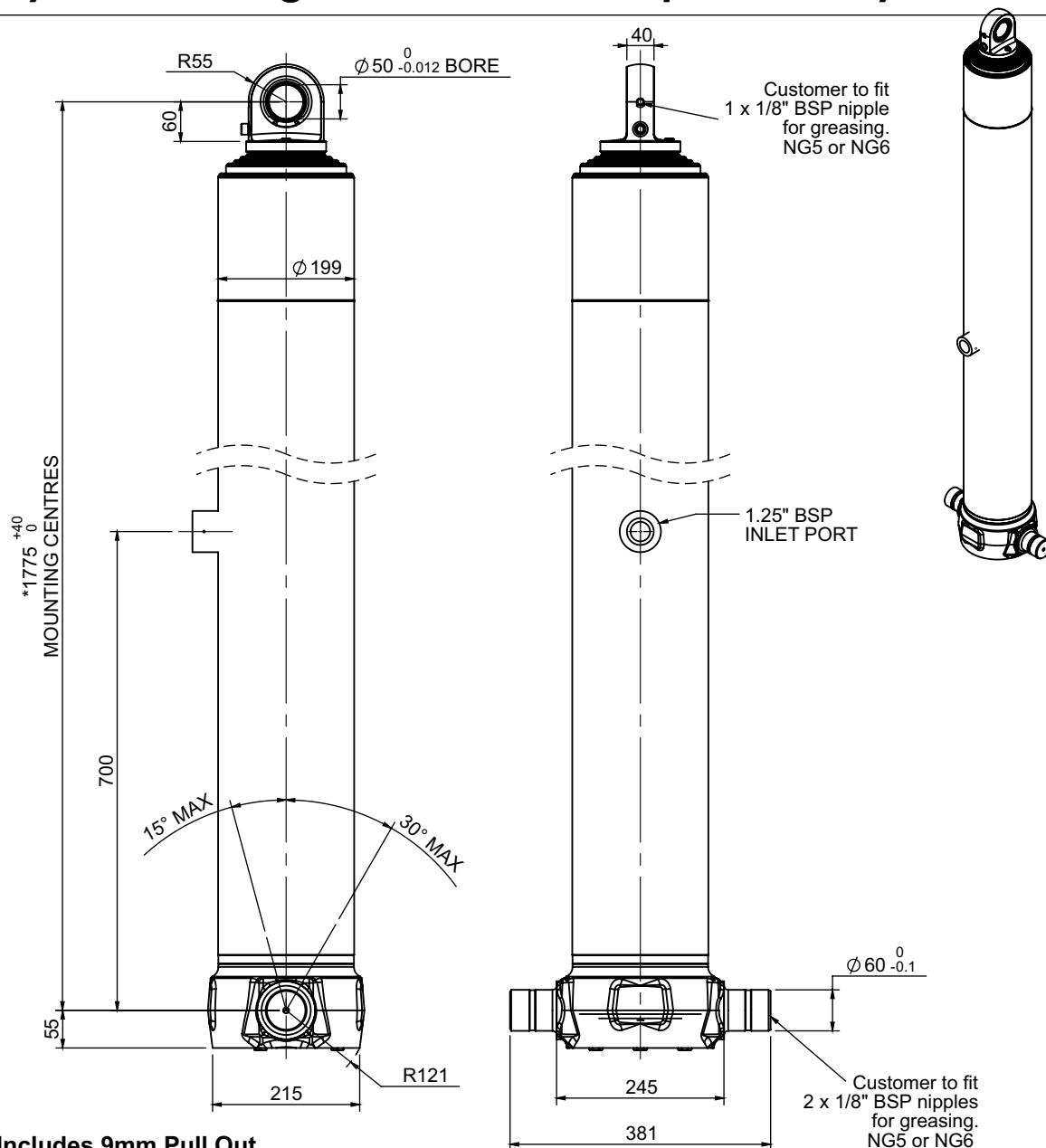


Cylinder 5 stage front end with spherical eye



CS17LS57033B70K02

SPECIFICATION

TIPPING CAPACITY : 27-35 TONNES***

Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	199	1725	-	-
1	176	1690	1468	36
2	155	1690	1487	28
3	136	1690	1497	22
4	117	1690	1512	16
5	98	1690	1067	8
		Total (+5/-10)	7031	110
Final stroke reduced by	450	Priming Volume		23
Cylinder Mass (Kg)	241	Total Volume (Litres)		133
Maximum Pressure (Bar)	190	Max. first stage thrust		200 KN

***TIPPING CAPACITY AT WORKING PRESSURE

The diagram illustrates the geometry of a crane boom. It shows a cross-section with a total body length (BL). The distance from the center of the boom to the hook is labeled as $L = BL/2 - OH$, where OH is the hook offset. The height of the boom is denoted by 'd'. The weight of the boom and payload is represented by 'W', acting downwards at a distance 'L' from the center. The tipping angle 'T' is shown between the boom and the horizontal.

$d = 0$; $r = 900$; Working Pressure 120 bar

BODY LENGTH (BL)	OH					
8750		9250		9750		
29	48°	27	45°	26	43°	150
31	50°	29	47°	28	44°	450
35	52°	32	48°	30	46°	750

Tipping angle (T)

Body + payload mass, W (tonne)

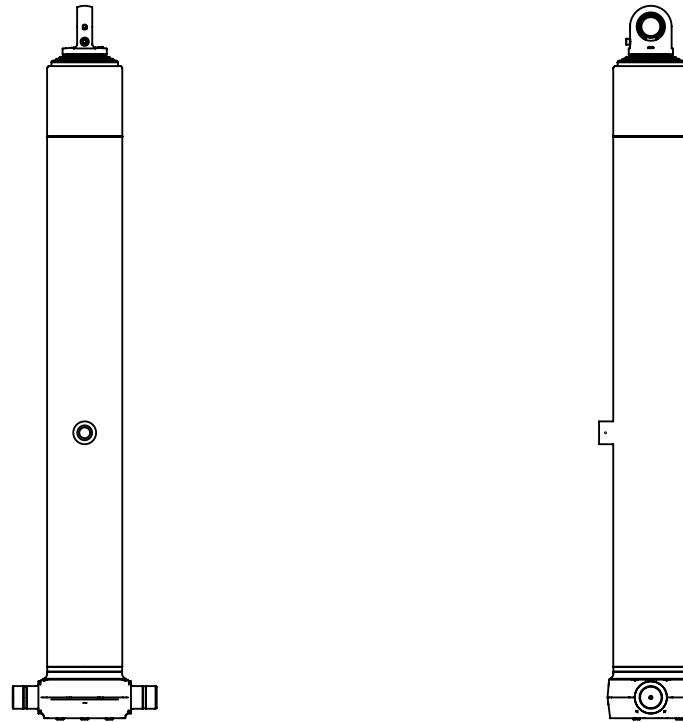
NOTES

1. This cylinder is for lifting purposes only and side load conditions should be avoided
2. Cylinder is painted in primer to RAL9005

Edbro

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