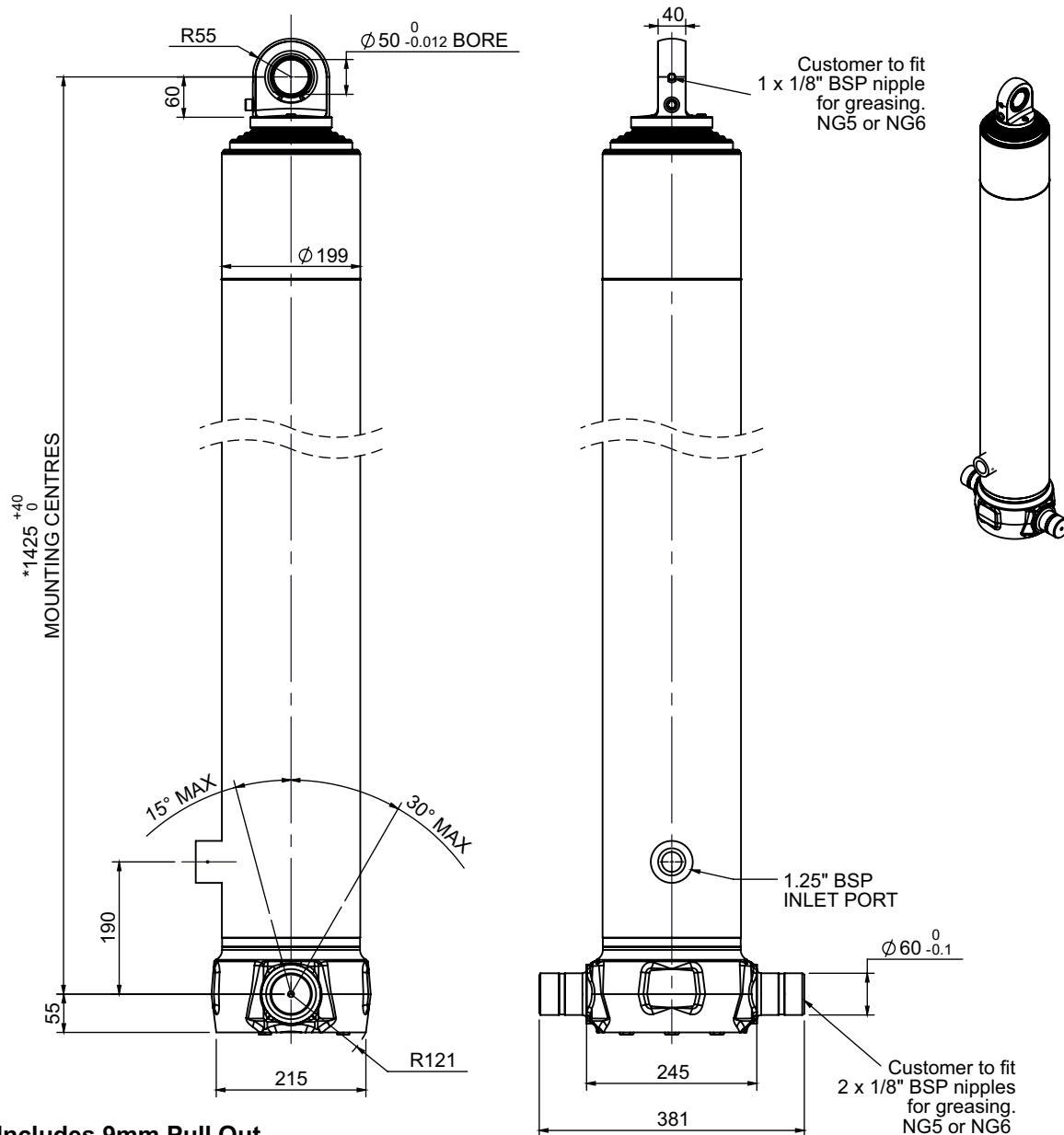


Cylinder 5 stage front end with spherical eye



*Includes 9mm Pull Out.

CS17LS55733B19A02

SPECIFICATION

TIPPING CAPACITY : 31-46 TONNES***

Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
0	199	1375	-	-
1	176	1340	1118	27
2	155	1340	1137	21
3	136	1340	1147	17
4	117	1340	1162	12
5	98	1340	1167	9
Total (+5/-10)			5731	86
Final stroke reduced by	0	Priming Volume		17.8
Cylinder Mass (Kg)	198	Total Volume (Litres)		103.8
Maximum Pressure (Bar)	190	Max. first stage thrust		200 KN

***TIPPING CAPACITY AT WORKING PRESSURE

The diagram illustrates the geometry of a crane boom. Key dimensions include:

- Body Length (BL)**: The total length of the boom body.
- L = BL/2 - OH**: The distance from the pivot point to the center of gravity of the boom body.
- W**: The total mass of the boom and its payload, acting downwards at the center of gravity.
- OH**: The overhead distance from the pivot to the end of the boom.
- d**: The vertical offset of the hook from the boom's longitudinal axis.
- T**: The tipping angle of the boom relative to the horizontal.

$d = 0$; $r = 900$; Working Pressure 150 bar

BODY LENGTH (BL)	OH					
7250		7750		8250		
35	49°	33	45°	31	42°	
40	51°	36	47°	34	44°	
46	54°	41	49°	37	46°	

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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