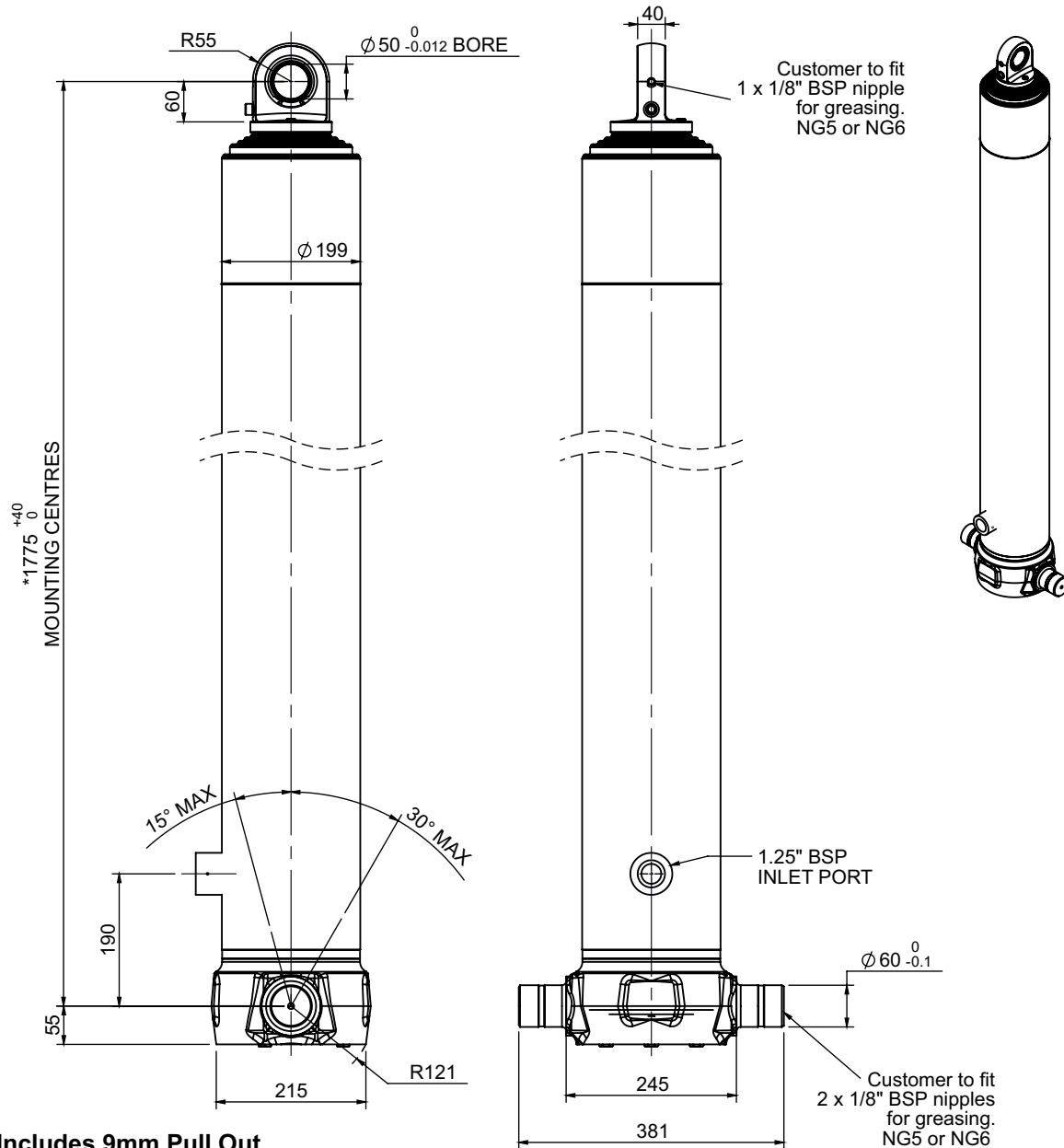


# Cylinder 5 stage front end with spherical eye



\*Includes 9mm Pull Out.

CS17LS57033B19K02

## 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 horizontal boom of length BL. A hook is positioned at a distance L from the center of the boom, where L is calculated as BL/2 minus the hook offset OH. A vertical arrow labeled W represents the weight of the payload acting downwards from the hook. The boom diameter is labeled d. The hook offset OH is the distance from the end of the boom to the hook.

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

| BODY LENGTH (BL) |     |      |     |      |     | OH  |
|------------------|-----|------|-----|------|-----|-----|
| 8750             |     | 9250 |     | 9750 |     |     |
| 28               | 49° | 27   | 46° |      |     | 150 |
| 31               | 51° | 29   | 48° | 27   | 44° | 450 |
| 35               | 53° | 32   | 50° | 30   | 47° | 750 |

— Tipping angle ( $T$ )  
 — Body + payload mass,  $W$  (tonne)

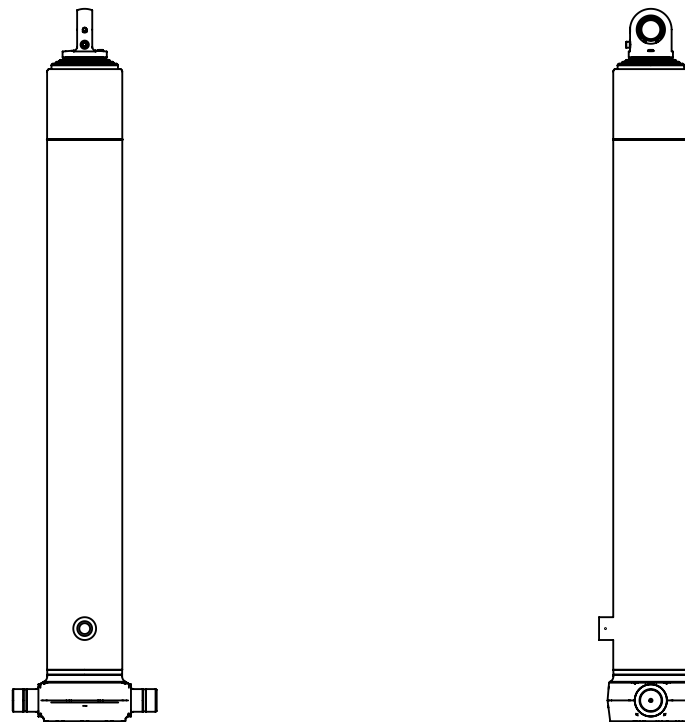
## NOTES

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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**HTH HOPPE** PARTS



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