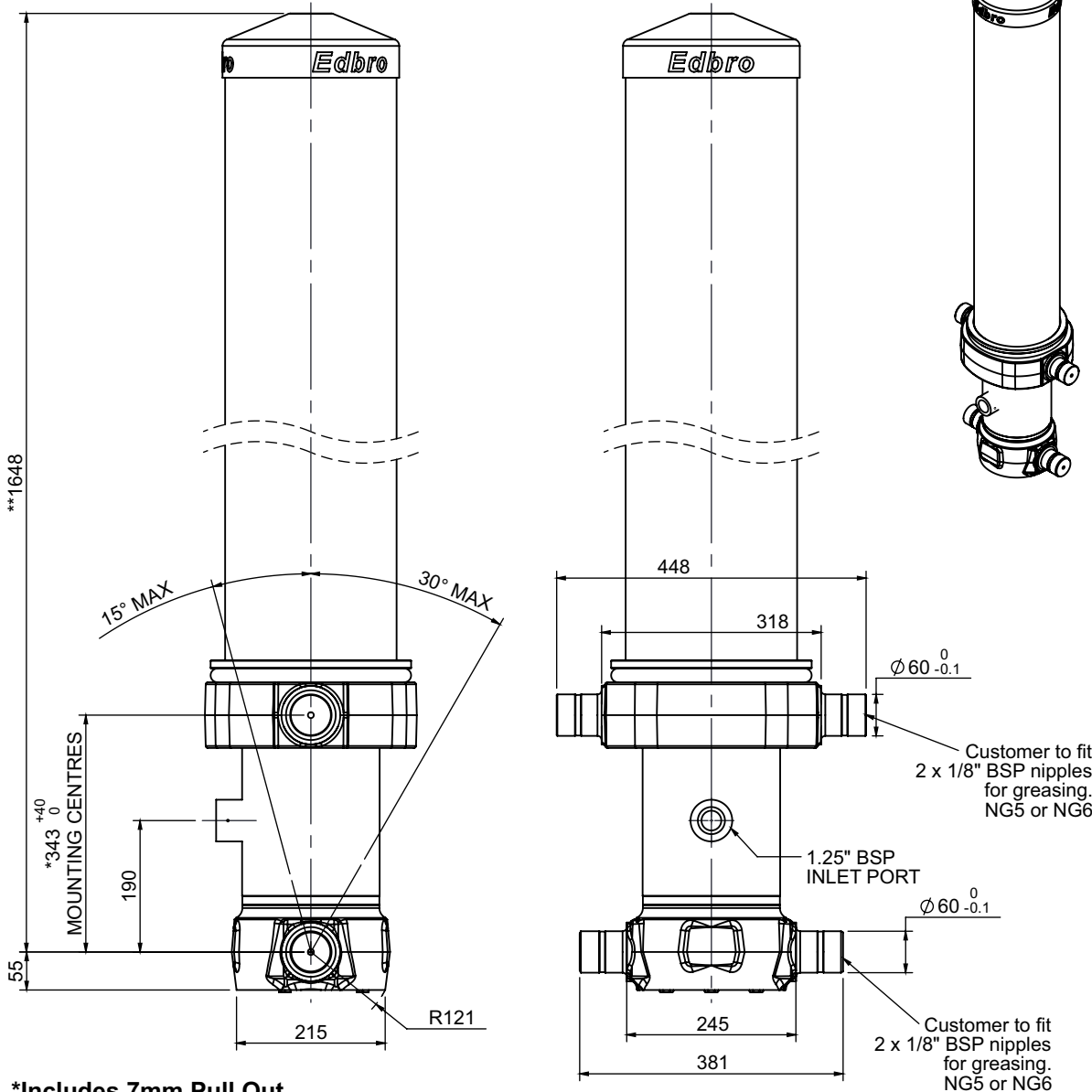


# Cylinder 5 stage front end with outer cover

\*\*ALLOW 50mm TO REMOVE CAP FOR SERVICING



\*Includes 7mm Pull Out.

CS17L056733B19A11

## SPECIFICATION

TIPPING CAPACITY : 33-46 TONNES\*\*\*

| Stage                   | Diameter | Length                  | Stroke | Swept Volume |
|-------------------------|----------|-------------------------|--------|--------------|
| OUTER COVER             | 248      | 1270                    | -      | -            |
| 0                       | 199      | 1575                    | -      | -            |
| 1                       | 176      | 1540                    | 1320   | 32           |
| 2                       | 155      | 1540                    | 1337   | 25           |
| 3                       | 136      | 1540                    | 1347   | 20           |
| 4                       | 117      | 1540                    | 1362   | 15           |
| 5                       | 98       | 1540                    | 1367   | 10           |
| Total ( +5/-10)         |          |                         | 6733   | 102          |
| Final stroke reduced by | 0        | Priming Volume          |        | 20.8         |
| Cylinder Mass (Kg)      | 286      | Total Volume (Litres)   |        | 122.8        |
| Maximum Pressure (Bar)  | 190      | Max. first stage thrust |        | 200 KN       |

## \*\*\*TIPPING CAPACITY AT WORKING PRESSURE

The diagram illustrates the geometry of a crane boom. It shows a horizontal boom of diameter  $d$  and total body length  $BL$ . The distance from the boom's centerline to the hook is  $L = BL/2 - OH$ , where  $OH$  is the hook offset. A vertical arrow labeled  $W$  represents the downward force (body + payload mass) acting at the center of the boom. A tipping angle  $T$  is shown at the hook end.

$d = 229$ ;  $r = 900$ ; Working Pressure 150 bar

| BODY LENGTH (BL) | OH  |      |     |      |     |     |
|------------------|-----|------|-----|------|-----|-----|
| 8000             |     | 8500 |     | 9000 |     |     |
| 37               | 49° | 35   | 46° | 33   | 44° | 150 |
| 41               | 52° | 38   | 48° | 35   | 45° | 450 |
| 46               | 54° | 42   | 50° | 39   | 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 paint to RAL9005

**Edbro**

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