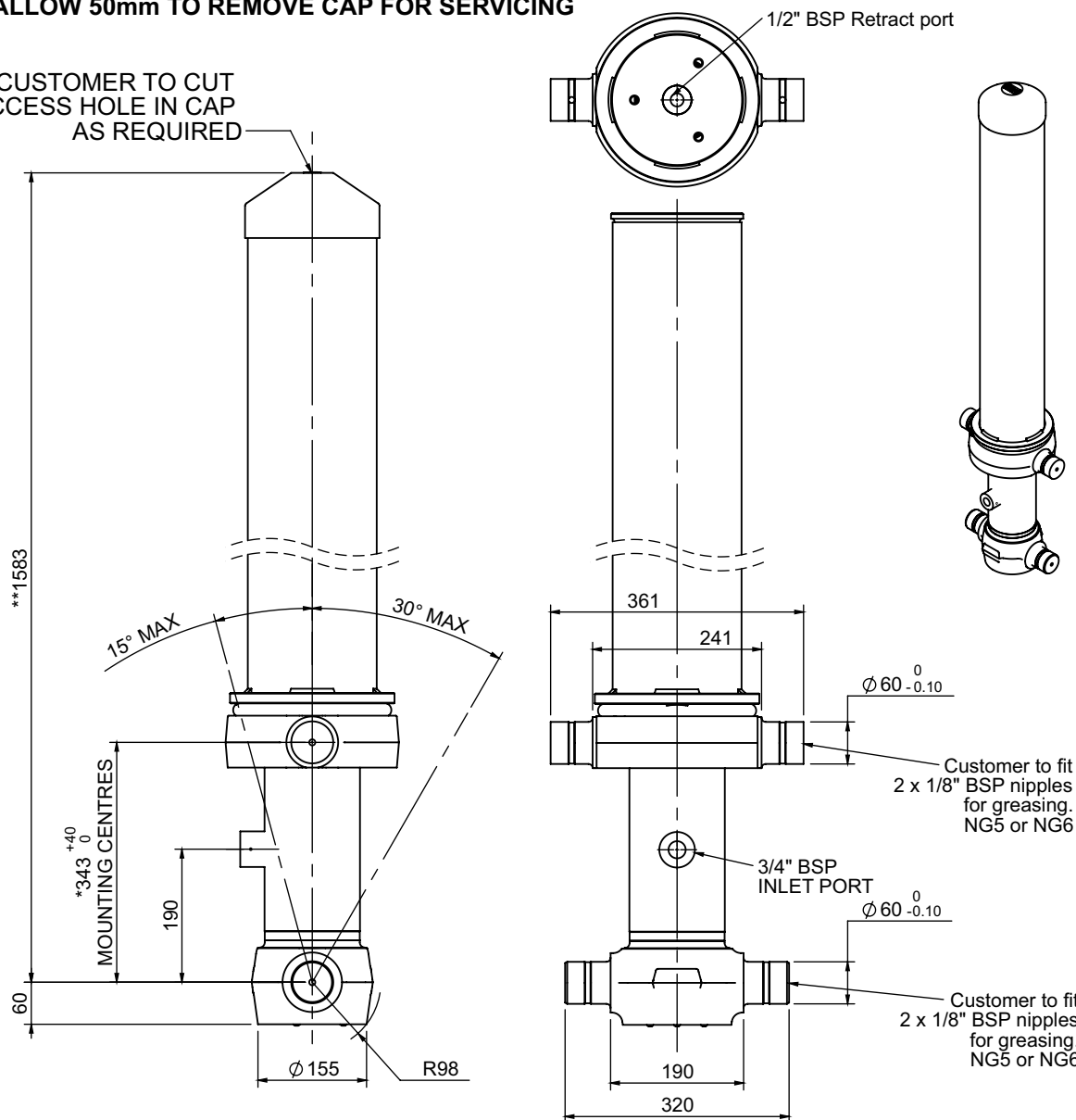


# Cylinder 3 stage with double acting final stage

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

CUSTOMER TO CUT  
ACCESS HOLE IN CAP  
AS REQUIRED



\*Includes 14mm Pull Out.

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## SPECIFICATION

TIPPING CAPACITY : 21-31 TONNES\*\*\*

| Stage                   | Diameter | Length                  | Stroke | Swept Volume |
|-------------------------|----------|-------------------------|--------|--------------|
| -                       | -        | -                       | -      | -            |
| OUTER COVER             | 184      | 1185                    | -      | -            |
| 0                       | 136      | 1525                    | -      | -            |
| 1                       | 117      | 1490                    | 1299   | 14           |
| 2                       | 98       | 1490                    | 1317   | 10           |
| 3R                      | 87       | 1490                    | 1249   | -            |
| 3                       | 79       | 1490                    | 1249   | 6            |
| Total ( +5/-10)         |          |                         | 3865   | 30           |
| Final stroke reduced by | 0        | Priming Volume          |        | 10           |
| Cylinder Mass (Kg)      | 138      | Total Volume (Litres)   |        | 40           |
| Maximum Pressure (Bar)  | 150      | Max. first stage thrust |        | 130 KN       |

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

| Body Length (BL) |     | BODY LENGTH (BL) |      |      |     | OH  |
|------------------|-----|------------------|------|------|-----|-----|
|                  |     | 5150             | 5275 | 5400 |     |     |
| 22               | 44° | 22               | 43°  | 21   | 42° | 150 |
| 25               | 47° | 25               | 46°  | 24   | 45° | 450 |
| 31               | 50° | 29               | 49°  | 28   | 48° | 750 |

d = 178; r = 750; Working Pressure 150 bar

Tipping angle (T)

Body + payload mass, W (tonne)

Retract force @ Stage 3 = 15.65kN @150bar maximum pressure

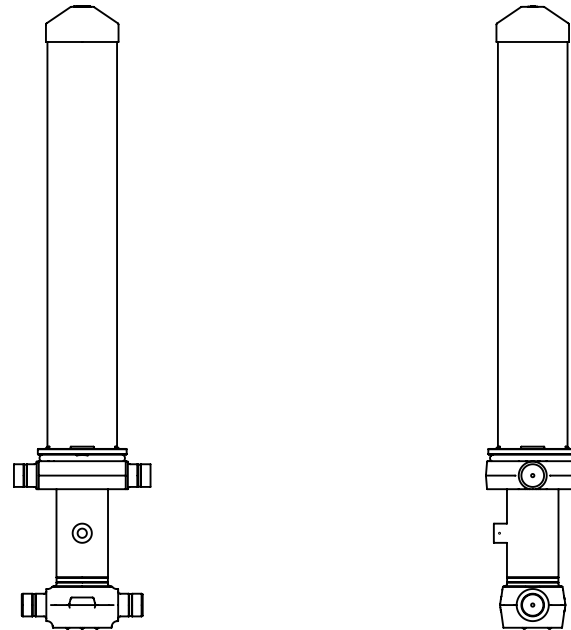
## NOTES

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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