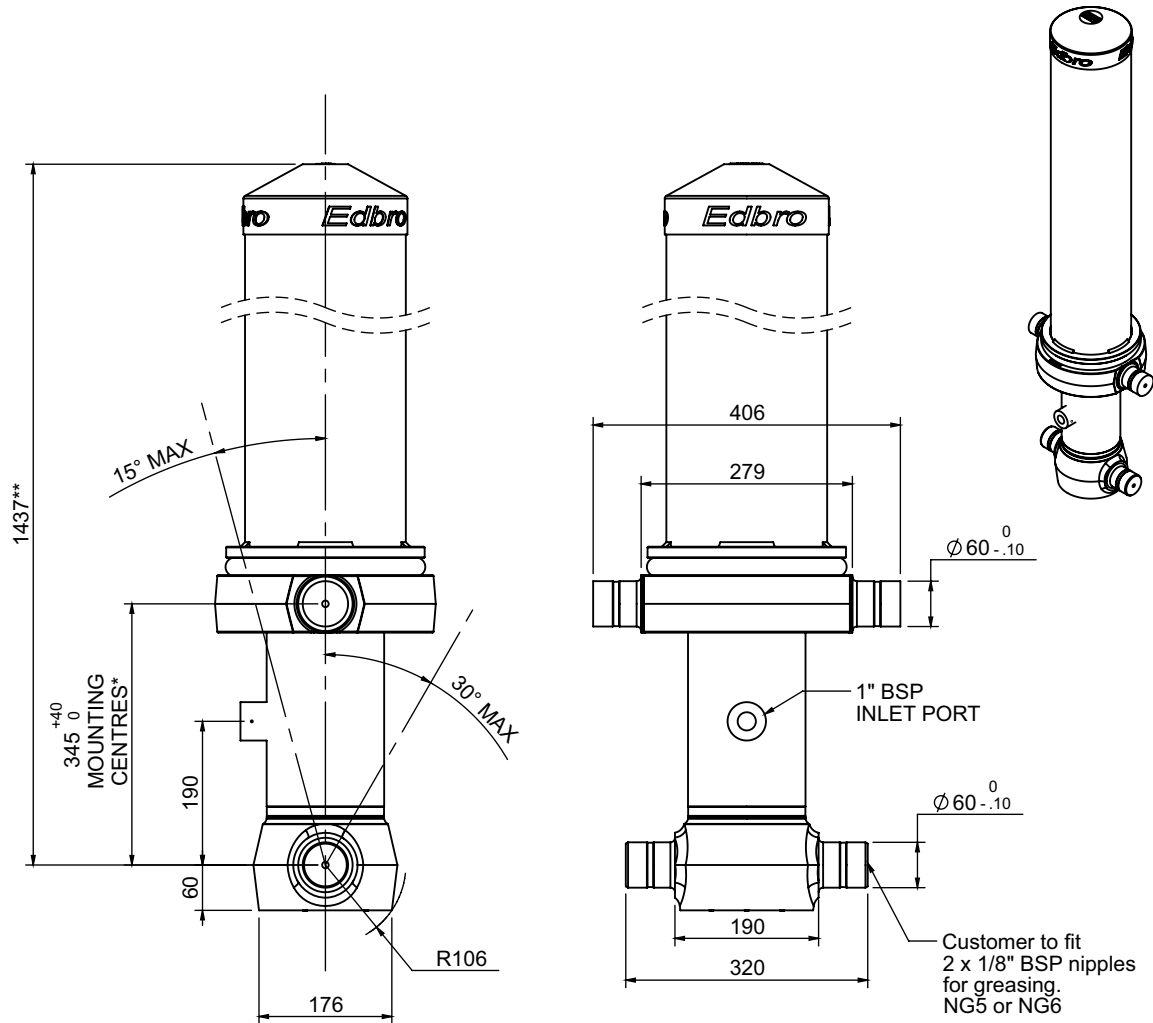


# Cylinder 4 stage front end with Outer Cover

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



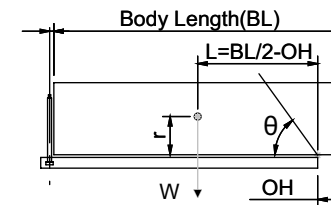
**\*Include 9mm Pull Out**

**CS130044641B19A11**

| SPECIFICATION           |          | RATED CAPACITY : 25-38 TONNES*** |        |              |
|-------------------------|----------|----------------------------------|--------|--------------|
| Stage                   | Diameter | Length                           | Stroke | Swept Volume |
| -                       | -        | -                                | -      | -            |
| OUTER COVER             | 213      | 1040                             | -      | -            |
| 0                       | 155      | 1375                             | -      | -            |
| 1                       | 136      | 1340                             | 1138   | 17           |
| 2                       | 117      | 1340                             | 1162   | 12           |
| 3                       | 98       | 1340                             | 1167   | 9            |
| 4                       | 79       | 1340                             | 1172   | 6            |
| Final stroke reduced by | 0        | Total ( +5/-10)                  | 4639   | 44           |
| Cylinder Mass (Kg)      | 167.87   | Priming Volume                   |        | 11.6         |
| Rated Pressure (Bar)    | 175      | Total Volume (Litres)            |        | 55.6         |
| Maximum Pressure (Bar)  | 175      | Max. first stage thrust          |        | 170 KN       |

## \*\*\*TIPPING CAPACITY AT RATED PRESSURE

d = 178 ; r = 750



| BODY LENGTH (BL) |     |      |     |      |     | OH  |
|------------------|-----|------|-----|------|-----|-----|
| 5750             |     | 6000 |     | 6250 |     |     |
| 27               | 48° | 26   | 46° | 25   | 44° | 150 |
| 32               | 50° | 30   | 48° | 28   | 46° | 450 |
| 38               | 54° | 35   | 51° | 33   | 49° | 750 |

—Tipping angle ( $\theta$ )

—Body + payload mass, W (tonne)

Tipping angle (θ)  
Body + payload mass, W (tonne)

## NOTES

- If hydraulic pressure is used to limit overloading, the system relief valve must be set to the Rated Pressure unless agreed otherwise by Edbro
- The system relief valve can be set to Maximum Pressure if the load is limited by other means. See RATINGS page for advice
- This cylinder is for lifting purposes only and sildeload conditions must be avoided
- Cylinder is painted in primer to RAL9005

**Edbro**

Hoppe-Truck-Hydraulik GmbH & Co.KG  
Püßelbürener Damm 244, 49479 Ibbenbüren  
Tel.: +49 (0) 5451-50230320, Fax: +49 (0) 5451-50230348  
Email: [info@hoppe.parts](mailto:info@hoppe.parts) Web: [www.hoppe.parts](http://www.hoppe.parts)

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