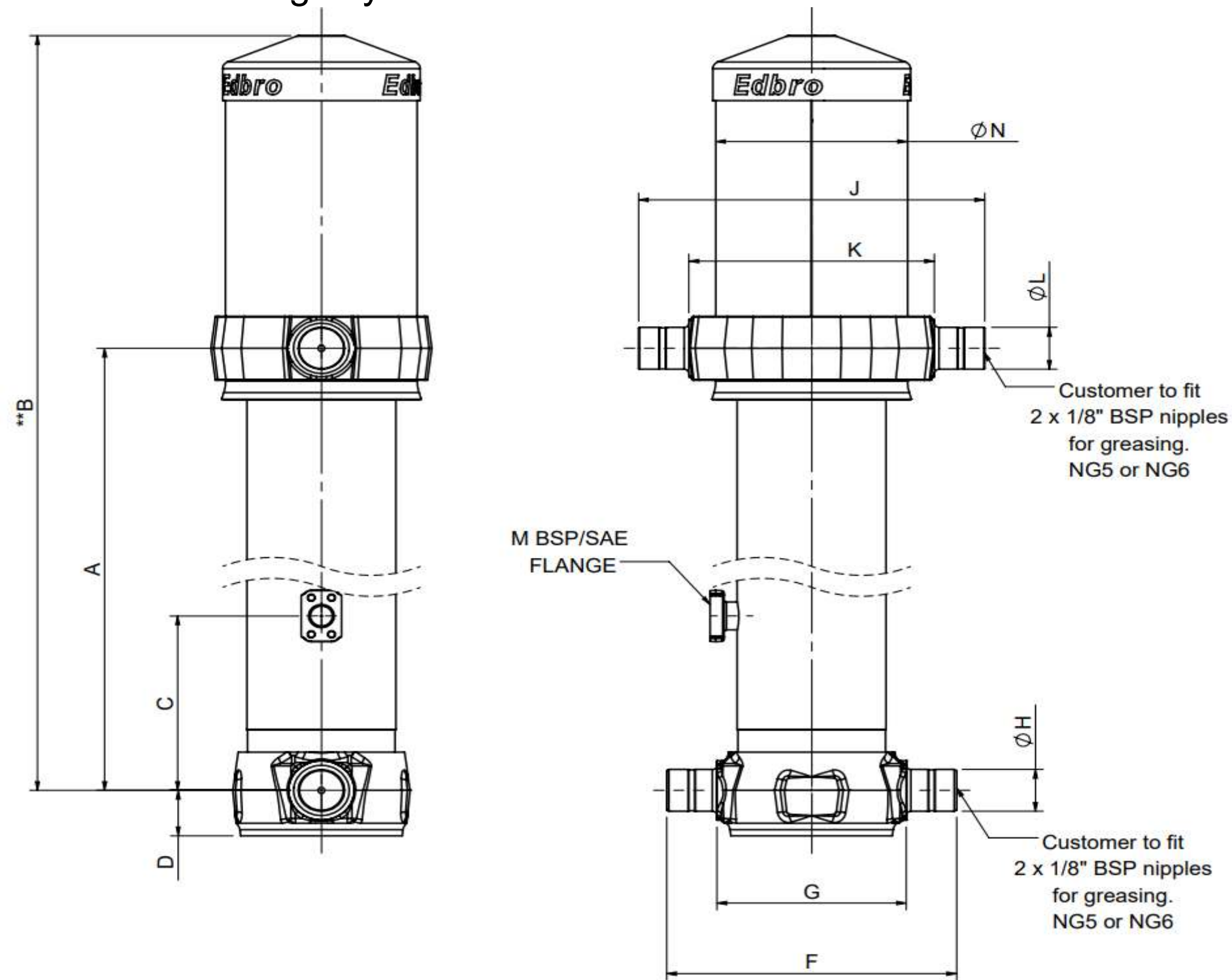


# Datasheet for Cylinder HP170058980R19A14

5 stage cylinder with trunnion mount & outer cover



\*\* Allow 50mm to remove cap for servicing

Approx. weight 353kg

| SPECIFICATION |                         | TIPPING CAPACITY 25-33 TONNES |                  |                            |
|---------------|-------------------------|-------------------------------|------------------|----------------------------|
| Stage         | Tube Diameter<br>( mm ) | Length<br>( mm )              | Stroke<br>( mm ) | Swept Volume<br>( litres ) |
| Base          | 191                     | 2010                          | ----             | -                          |
| 1st Stage     | 169                     | 2000                          | 1788             | 40.1                       |
| 2nd Stage     | 149                     | 2000                          | 1798             | 31.4                       |
| 3rd Stage     | 129                     | 2000                          | 1798             | 23.5                       |
| 4th Stage     | 110                     | 2000                          | 1798             | 17.1                       |
| 5th Stage     | 91                      | 2000                          | 1798             | 11.7                       |
|               |                         |                               |                  |                            |
|               |                         | Total                         | 8980             |                            |

Diagram illustrating the tipping mechanism dimensions:

- Body Length (BL)
- L = BL/2 - OH
- W
- OH
- θ
- Bracket length d = 229

| BL | 12300 |     |     | 11750 |     |     | 11200 |     |     |
|----|-------|-----|-----|-------|-----|-----|-------|-----|-----|
| OH | 200   | 500 | 800 | 200   | 500 | 800 | 200   | 500 | 800 |
| θ  | 43°   | 44° | 45° | 45°   | 46° | 48° | 48°   | 49° | 50° |
| r  | 600   | 25  | 26  | 27    | 26  | 27  | 28    | 27  | 28  |
|    | 900   | 26  | 27  | 29    | 27  | 28  | 30    | 28  | 30  |
|    | 1200  | 27  | 29  | 30    | 28  | 30  | 32    | 29  | 31  |

| APPLICATION INFORMATION  |     |     |                  |       |        |
|--------------------------|-----|-----|------------------|-------|--------|
| Working Pressure         | 150 | bar | Swept Oil Volume | 123.7 | litres |
| Maximum Pressure         | 250 | bar | Priming Volume   | 9.2   | litres |
| Maximum 1st Stage Thrust | 265 | kN  | Total Volume     | 133   | litres |

| DIMENSIONS |      |    |   |     |    |    |                |    |    |                |    |    |     |    |
|------------|------|----|---|-----|----|----|----------------|----|----|----------------|----|----|-----|----|
| A          | 900  | mm | D | 65  | mm | G  | 245            | mm | K  | 318            | mm | ØN | 248 | mm |
| B          | 2088 | mm | E | 123 | mm | ØH | 60.00<br>59.90 | mm | ØL | 60.00<br>59.90 | mm |    |     |    |
| C          | 190  | mm | F | 375 | mm | J  | 448            | mm | M  | 1" SAE / G1"   |    |    |     |    |

| Notes |                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------|
| 1.    | This cylinder is intended for lifting purposes only and side load conditions should be avoided. |
| 2.    | Cylinder is painted in primer to RAL9005                                                        |

Edbro

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