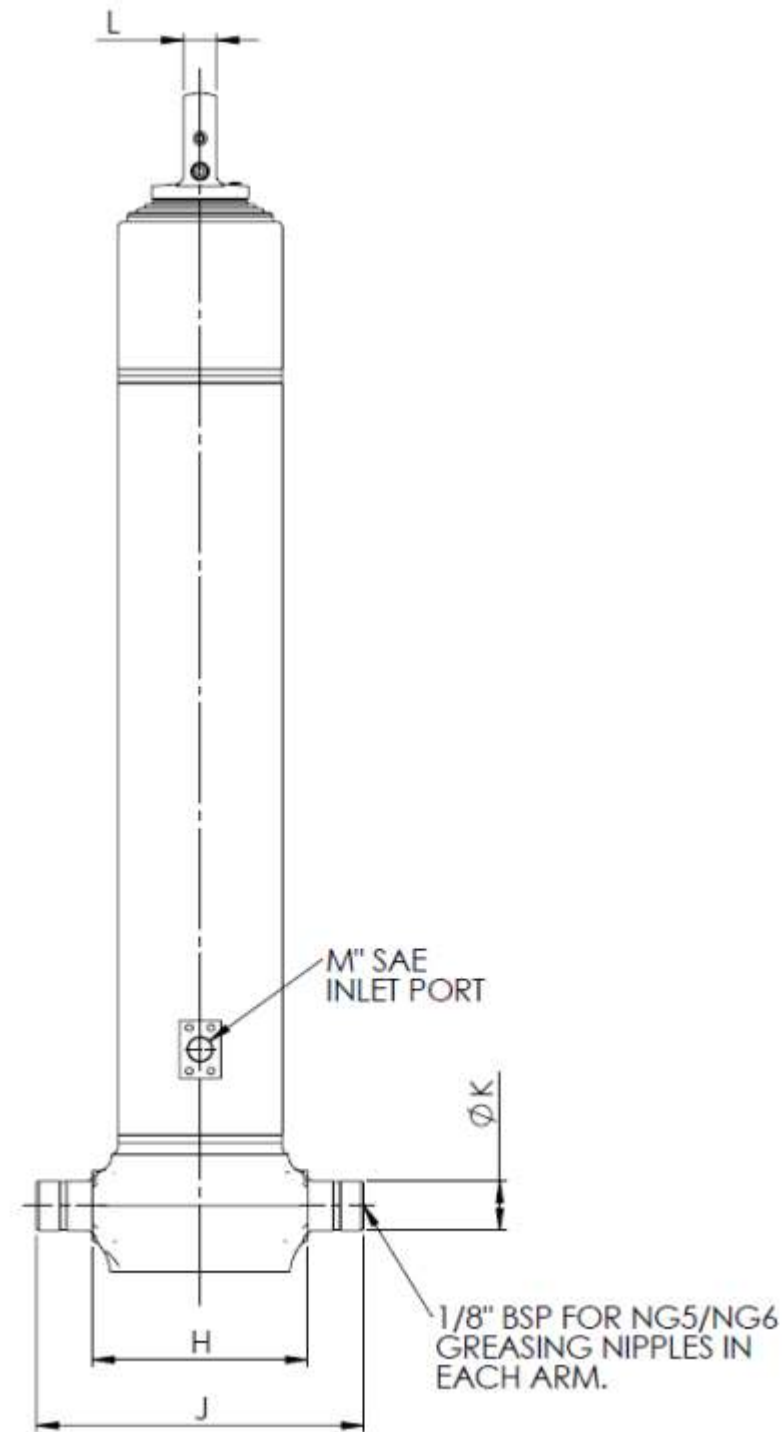
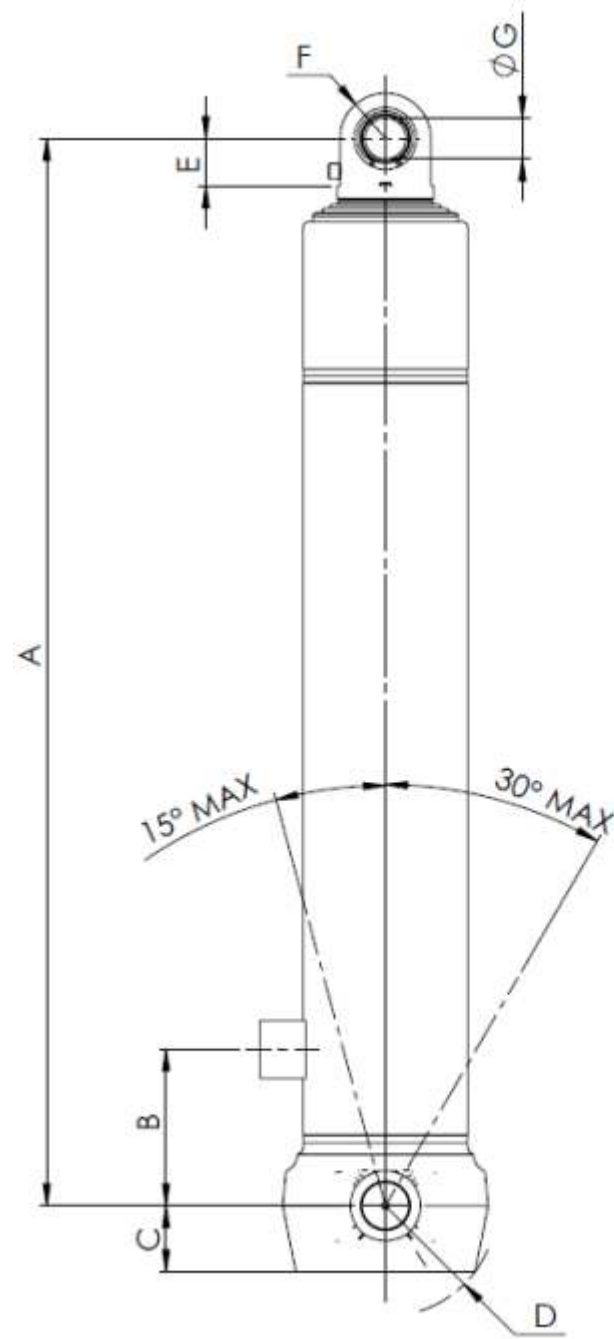


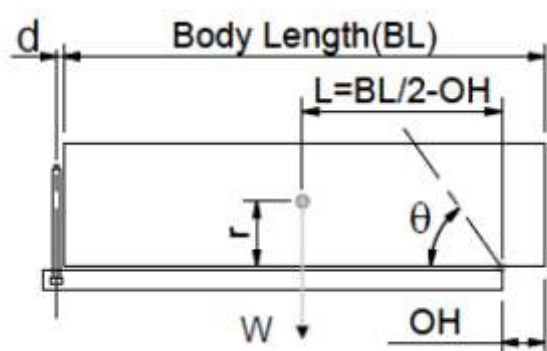
# Datasheet for Cylinder CS17LS55633S19A04

5 stage lightweight cylinder with trunnion mount & spherical eye



Final Stage Chrome Plated

Approx. weight 196kg

| SPECIFICATION |                         | TIPPING CAPACITY 35-50 TONNES |                  |                          | TIPPING CAPACITY AT WORKING PRESSURE                                                  |  |  |  |  |  |  |
|---------------|-------------------------|-------------------------------|------------------|--------------------------|---------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Stage         | Tube Diameter<br>( mm ) | Length<br>( mm )              | Stroke<br>( mm ) | Swept Volume<br>(litres) |  |  |  |  |  |  |  |
| Base          | 198                     | 1355                          | ----             | -                        |                                                                                       |  |  |  |  |  |  |
| 1st Stage     | 176                     | 1320                          | 1100             | 26.8                     |                                                                                       |  |  |  |  |  |  |
| 2nd Stage     | 155                     | 1320                          | 1117             | 21.1                     |                                                                                       |  |  |  |  |  |  |
| 3rd Stage     | 136                     | 1320                          | 1127             | 16.4                     |                                                                                       |  |  |  |  |  |  |
| 4th Stage     | 117                     | 1320                          | 1142             | 12.3                     |                                                                                       |  |  |  |  |  |  |
| 5th Stage     | 98                      | 1370                          | 1147             | 8.7                      |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |
|               |                         |                               |                  |                          |                                                                                       |  |  |  |  |  |  |

| APPLICATION INFORMATION  |     |     |                              |
|--------------------------|-----|-----|------------------------------|
| Working Pressure         | 158 | bar | Swept Oil Volume 85.1 litres |
| Maximum Pressure         | 190 | bar | Priming Volume 18.6 litres   |
| Maximum 1st Stage Thrust | 225 | kN  | Total Volume 103.8 litres    |

| DIMENSIONS |      |    |        |        |    |    |                  |    |    |                |    |
|------------|------|----|--------|--------|----|----|------------------|----|----|----------------|----|
| A          | 1453 | mm | D      | 121    | mm | ØG | 50.025<br>50.000 | mm | ØK | 60.00<br>59.90 | mm |
| B          | 190  | mm | 1.9695 | 1.9685 | mm | H  | 245              | mm | L  | 55             | mm |
| C          | 55   | mm | F      | 60     | mm | J  | 381              | mm | M  | 1" SAE         |    |

| Notes |                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------|
| 1.    | This cylinder is intended for lifting purposes only and side load conditions should be avoided. |
| 2.    | Cylinder is painted in primer to RAL5013                                                        |

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)

HTH HOPPE. PARTS