



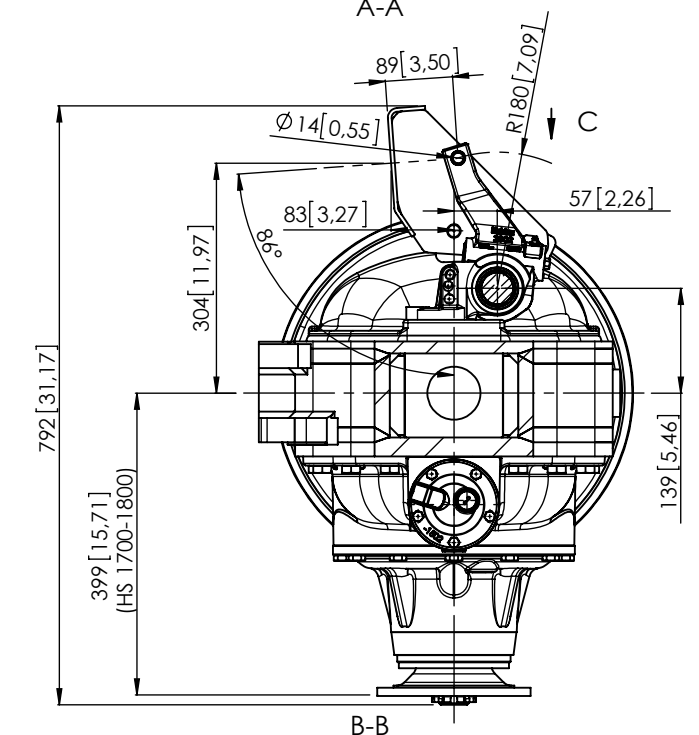
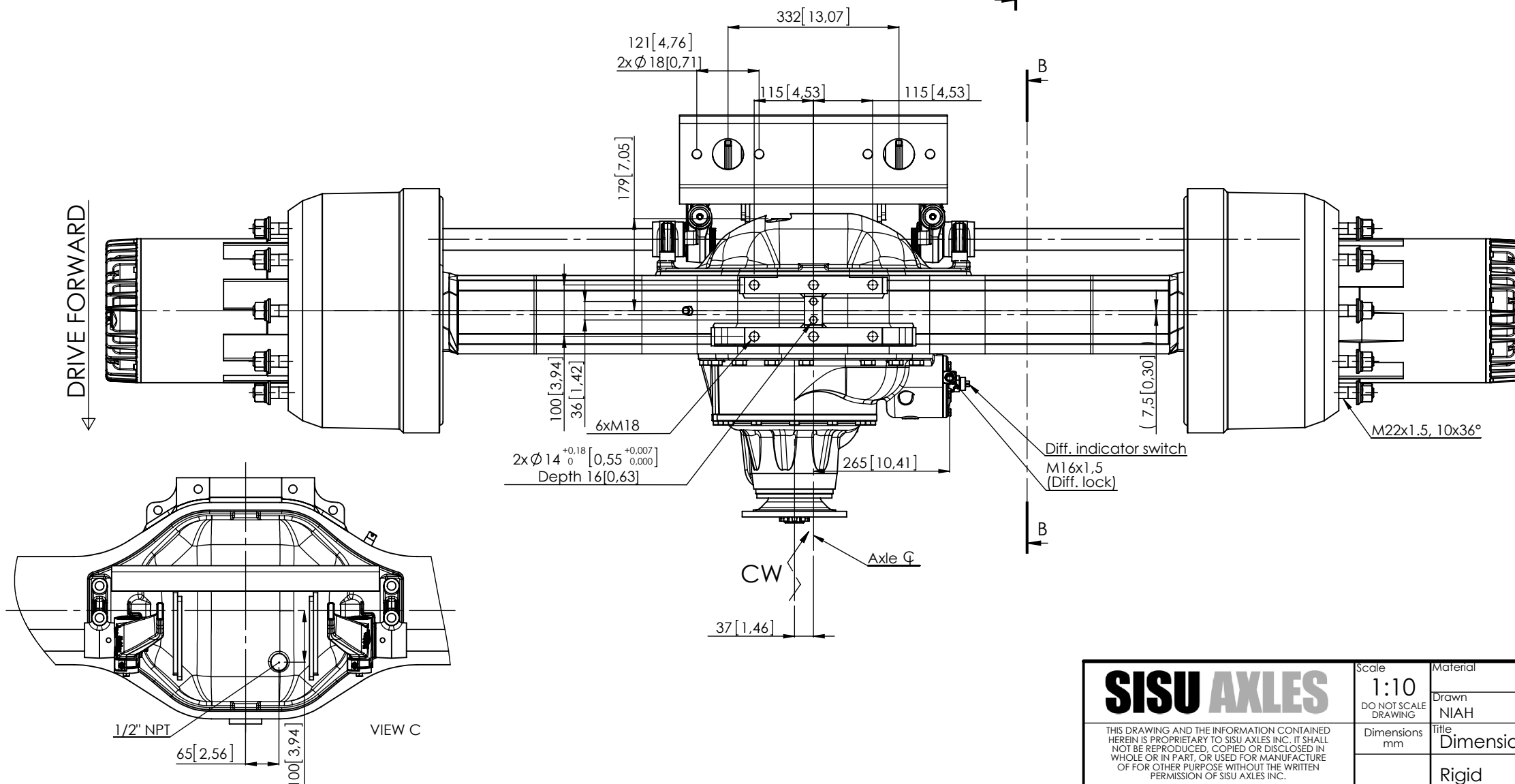
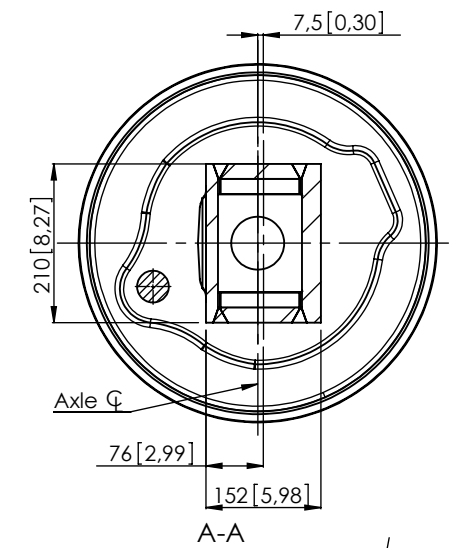
## HIGH SPEED, (TRUCK) TANDEM RIGID DRIVE AXLE, FR2P41S

|                                                     |                                                                                                       |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>GAWR</b>                                         | 41 000 kg [90,000 Lb.]                                                                                |
| <b>GCWR</b>                                         | 150 000 kg [330,000 Lb.]                                                                              |
| <b>Axle Type</b>                                    | Spiral Bevel Center Differential<br>Planetary Wheel End Reduction, 5-planet Carrier                   |
| <b>Brakes</b>                                       |                                                                                                       |
| Type                                                | Drum, S-cam                                                                                           |
| Size                                                | Ø410 mm [16,1 Inch] x 210 mm [8,3 Inch] Width                                                         |
| Slack Adjuster                                      | Automatic, 180 mm [7 Inch] Length                                                                     |
| Chamber                                             | 30 Square Inch                                                                                        |
| <b>Housing</b>                                      | Fabricated Steel, Cross Section 210 mm [8,3 Inch] Height<br>x 152 mm [6,0 Inch]. Width, Center Bowl   |
| <b>Wheel End</b>                                    | 10-studs on 335 mm [13,2 Inch] BC, 280.8 mm [11,1 Inch]<br>Pilot Diameter. Minimum Wheel Size 20 Inch |
| <b>Wheel offset</b> (Optimal)                       | Equal Offset on Outer and Inner Wheel                                                                 |
| <b>Drive Flange</b>                                 | HS 1700/1800                                                                                          |
| <b>Final Drive Ratios</b>                           | 4.65, 5.56, 6.36, 7.01 and 8.79                                                                       |
| <b>Tracks Available</b> (Over Wheel Mounting Faces) | 1800 mm [70.9 Inch], 2040 mm [80.3 Inch]                                                              |
| <b>Lubrication</b>                                  |                                                                                                       |
| Type                                                | API GL-5                                                                                              |
| Capacity (FRDP)                                     | Total 23 liters [49 pints]                                                                            |
| Capacity (FRMP)                                     | Total 27 liters [57 pints]                                                                            |
| <b>Weight-Dry</b> (for Track 2040 mm)               |                                                                                                       |
| FRDP                                                | 985 kg [2,172 Lb.]                                                                                    |
| FRMP                                                | 1089 kg [2,401 Lb.]                                                                                   |

All ratings are nominal. Actual capacities determined based upon review of application data by Sisu Axles Inc.

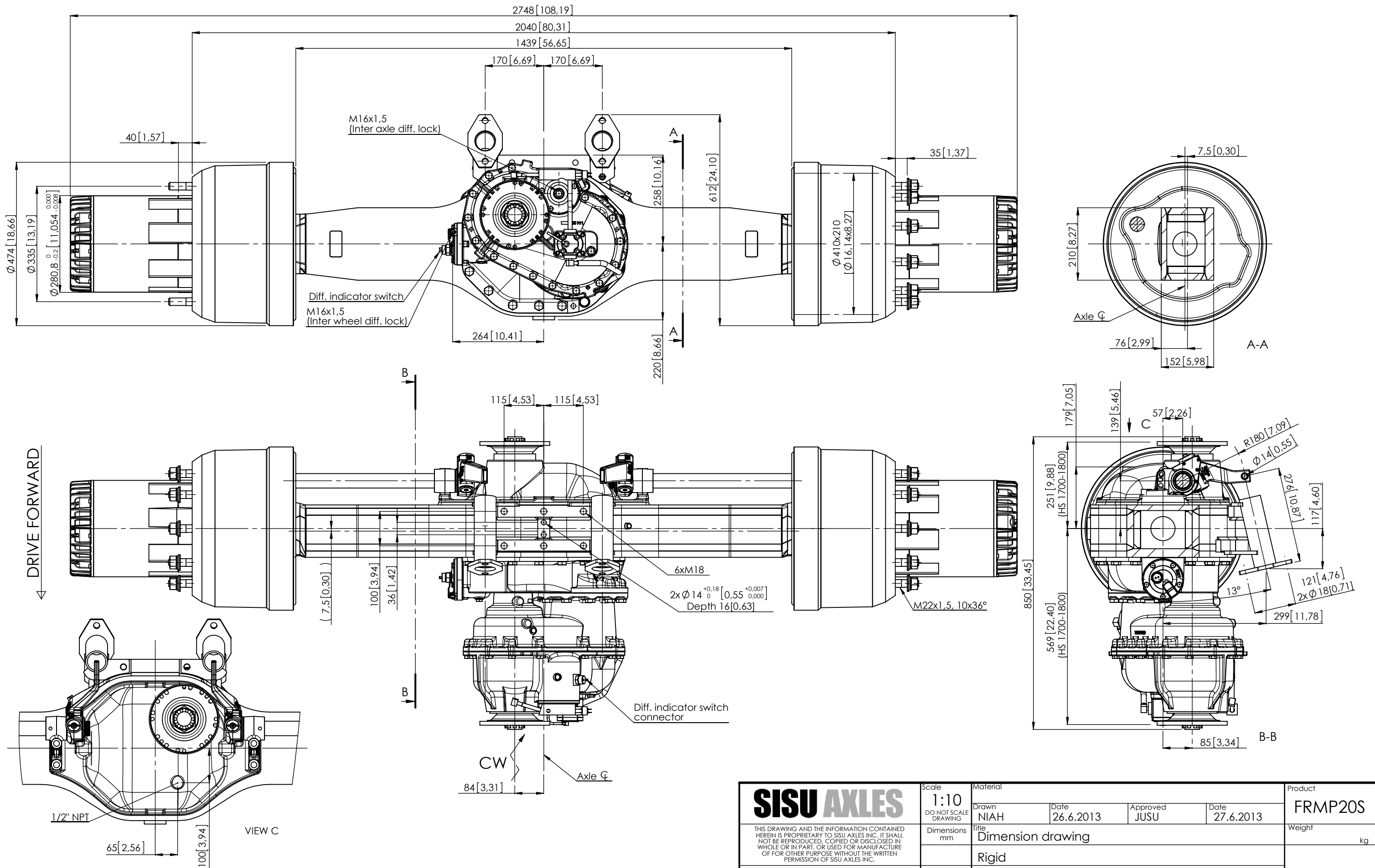
|                 |                              |                        |
|-----------------|------------------------------|------------------------|
| <b>OPTIONS:</b> | Spring Seats                 | Wheel Stud Length      |
|                 | Wheel Nuts                   | Brake Chambers         |
|                 | Input / Output Drive Flanges | Axle differential Lock |
|                 | ABS Provision                | Slack Adjuster Type    |
|                 | Top Coating                  | Oil Lubrication Pump   |

Other options may be available. Contact Sisu Axles sales for more information.



|      |                          |         |              |          |               |
|------|--------------------------|---------|--------------|----------|---------------|
| A    | NPT hole markings added. | NIAH    | 20.11.2013   | JUSU     | 21.11.2013    |
| REV. | DESCRIPTION              | CHANGED | CHANGED DATE | APPROVED | APPROVED DATE |

|                                                                                                                                                                                                                                                                                          |                                                                                          |                                                                                                                    |  |  |  |                                       |                                 |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------|---------------------------------|---------------------------------------|
| <div>SISU AXLES</div> <div>THIS DRAWING AND THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO SISU AXLES INC. IT SHALL NOT BE REPRODUCED, COPIED OR DISCLOSED IN WHOLE OR IN PART, OR USED FOR MANUFACTURE OF FOR OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF SISU AXLES INC.</div> | <div>Scale</div> <div>1:10</div> <div>DO NOT SCALE DRAWING</div>                         | <div>Material</div> <div>DrawnNIAH</div> <div>Date26.6.2013</div> <div>ApprovedJUSU</div> <div>Date27.6.2013</div> |  |  |  | <div>Product</div> <div>FRDP20S</div> |                                 |                                       |
|                                                                                                                                                                                                                                                                                          | <div>Dimensions</div> <div>mm</div>                                                      | <div>Title</div> <div>Dimension drawing</div>                                                                      |  |  |  | <div>Weight</div> <div>kg</div>       |                                 |                                       |
|                                                                                                                                                                                                                                                                                          |                                                                                          | <div>Rigid</div>                                                                                                   |  |  |  |                                       |                                 |                                       |
|                                                                                                                                                                                                                                                                                          |                                                                                          | <div>Drive</div>                                                                                                   |  |  |  |                                       |                                 |                                       |
|                                                                                                                                                                                                                                                                                          |                                                                                          | <div>Drawing n:o</div>                                                                                             |  |  |  |                                       |                                 |                                       |
|                                                                                                                                                                                                                                                                                          | <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> | <div>M543-036-0393</div>                                                                                           |  |  |  | <div>Rev.</div> <div>A</div>          | <div>Sheet</div> <div>1/1</div> | <div>Drawing size</div> <div>A3</div> |



|      |                        |         |              |          |               |
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|                                                                                                                                                                                                                                                         |  |                                          |  |               |                   |                  |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|---------------|-------------------|------------------|-------------------|
| <b>SISU AXLES</b>                                                                                                                                                                                                                                       |  | Scale<br>1:10<br>DO NOT SCALE<br>DRAWING |  | Material      |                   | Product          |                   |
|                                                                                                                                                                                                                                                         |  | Dimensions<br>mm                         |  | Drawn<br>NIAH | Date<br>26.6.2013 | Approved<br>JUSU | Date<br>27.6.2013 |
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|                                                                                                                                                                                                                                                         |  |                                          |  | Rigid         |                   |                  |                   |
|                                                                                                                                                                                                                                                         |  | Through drive<br>Drawing n:o             |  | Rev.          |                   | Sheet            |                   |
|                                                                                                                                                                                                                                                         |  |                                          |  | A             |                   | 1/1              |                   |
|                                                                                                                                                                                                                                                         |  |                                          |  | M543-036-0394 |                   | A3               |                   |