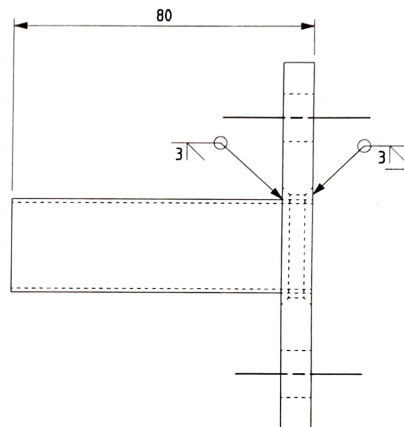




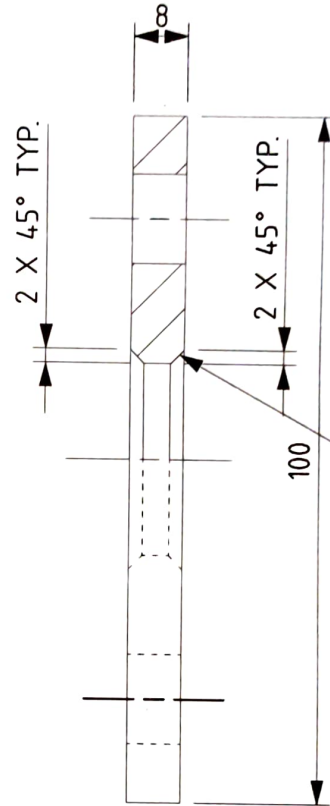
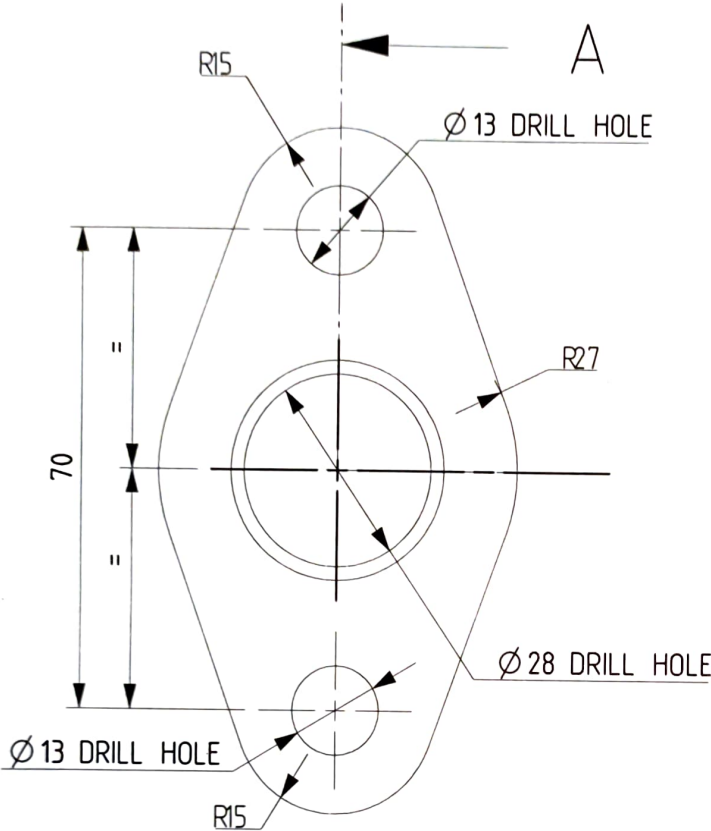
THIS IS PROVISIONAL DRG.

1. ALL DIMENSIONS ARE IN mm
2. NEXT ASSY. DRG. NO-1209-12.017-032
3. C&D NO-
4. QTY./LOCO-8 NOS.
5. USED FOR LOCO WAP-7, WAG-9 & WAG-9HC
6. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED  
ON DRAWINGS TO BE FOLLOWED AS PER  
IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

[illegible]

|                                    |                       |                  |                               |                                                                  |                                      |                             |                   |
|------------------------------------|-----------------------|------------------|-------------------------------|------------------------------------------------------------------|--------------------------------------|-----------------------------|-------------------|
| 2                                  | /                     | 1209-12.317-032  | 25.4 MM SS TUBE               | 1                                                                | STAINLESS STEEL                      | IS 17875:2022               |                   |
| 1                                  | T242/299              | 1209-12.417-034  | FLANGE                        | 1                                                                | STEEL                                | IS-2062 2011 E250 QUALITY C | 0.18              |
| पिचरा संख्या                       | आगत एवं विभाजन संख्या | अंग आरेखण संख्या | वर्णन                         | मात्रा                                                           | पदार्थ                               | विधिपिच                     | प्रति भाग पिच रा. |
| REF. NO.                           | C&D NO.               | PART DRG. NO.    | DESCRIPTION                   | QTY.                                                             | MATL                                 | SPECN                       | WT. EACH IN K.G.  |
| ऑपरेशन<br>DOH                      |                       |                  |                               | चितारंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |                                      |                             |                   |
| समय पत्रिका<br>CHD SSE             |                       |                  | वर्णन<br>PART:                |                                                                  | प्रति भाग पिच रा.<br>WT. EACH IN KG. | 0.22                        |                   |
| संपीकित<br>RECEIVED A/E / SEE      | पडुकि.<br>REVIEWED BY |                  | विधिपिच<br>SPECN              |                                                                  |                                      |                             |                   |
| अनुमोदित पडुकि.<br>APPROVED OFFICE |                       |                  | वर्णन<br>DESCRIPTION          | FLANGE ASSLY.                                                    |                                      |                             |                   |
| दिनांक<br>DATE                     |                       |                  |                               | (236)                                                            |                                      |                             |                   |
| रिस्क अनुपात<br>SCALE              | 1:1                   |                  | आरेखण संख्या<br>(DRAWING NO.) | 1209-12.317-001                                                  |                                      |                             |                   |
| वर्ष / डेज<br>AL-                  |                       |                  | परिवर्तन संख्या               | वर्ण                                                             | 1 OF 1                               | A3                          |                   |

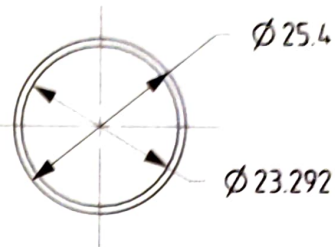
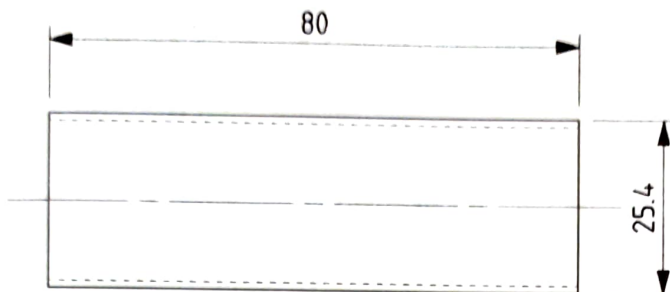
THIS IS PROVISIONAL DRG



SECTION A-A

1. ALL DIMENSIONS ARE IN mm
2. NEXT ASSLY. DRG. NO-1209-12.317-001
3. C&D NO-T242/299; H242/508
4. QTY./LOCO-8 NOS.
5. USED FOR LOCO WAP-7, WAG-9 & WAG-9 HC
6. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

|                                                                                                    |  |                                                                                     |           |                      |           |                                                                                     |           |           |           |                                                                                     |             |                                                                                                                                                                              |             |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  |                                       |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|-----------|----------------------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|-----------|-------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--|------------------|--|-------------------------------------------------------------------------------------|--|---------------------------------------|--|-----------------------------------|--|-----------|--|---------------------------------------|--|-----------------------------|--|----------------------|--|--|--|-------------------------------------------------------------------------------------|--|----------------------------------|--|--|--|-----------------|----------------|--------|--------|----|--|--|--|--|--|--|--|--|--|
| <div>अधिकृत<br/>DGN</div> <div>जॉया व.अ.<br/>(HMD SSE)</div>                                       |  |                                                                                     |           |                      |           |                                                                                     |           |           |           |                                                                                     |             | <div><div>चित्तारंजन रेलइंजन कारखाना<br/>CHITTARANJAN LOCOMOTIVE WORKS, INDIA</div></div> |             |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  |                                       |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| 01                                                                                                 |  | AEE/D/CONV                                                                          |           |                      |           | 2 X 45° CH. ADDED ON OTHER SIDE                                                     |           |           |           | 19.06.2025                                                                          |             | पदार्थ<br>MAIL                                                                                                                                                               |             |                                                                                     |  | STEEL            |  |                                                                                     |  | प्रति भार कि. ग्रा.<br>WT. EACH IN KG |  |                                   |  | 0.18      |  |                                       |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| परिवर्तन संख्या<br>ALT NO                                                                          |  | प्राधिकार<br>AUTHY                                                                  |           | वर्णन<br>DESCRIPTION |           |                                                                                     |           |           |           | दिनांक बाधक<br>DATED INITIAL                                                        |             | समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE                                                                                                                          |             |                                                                                     |  | विशिष्ट<br>SPECN |  |                                                                                     |  |                                       |  |                                   |  |           |  |                                       |  | IS:2062 2011 E250 QUALITY C |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| सतह - कक्षा का मान मा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302 |  |                                                                                     |           |                      |           |                                                                                     |           |           |           |                                                                                     |             | अतिरिक्त सच - सीमा मा. मा. 2102 / अ. मा. सं. 2768<br>UNSPECIFIED TOLERANCE TO IS 2107 / ISO 2768                                                                             |             |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  | TOL. CLS. |  | अनुमोदित उ.मु.वि.अ.<br>APPROVED DYCEE |  |                             |  | वर्णन<br>DESCRIPTION |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                | FLANGE |        |    |  |  |  |  |  |  |  |  |  |
| वातु-वेल्डन चिह्न मा. मा. 813 / अ. मा. सं. 12553<br>WELDING SYMBOLS TO IS:813 / ISO:2553           |  |                                                                                     |           |                      |           |                                                                                     |           |           |           |                                                                                     |             |                                                                                                                                                                              |             |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  | दिनांक<br>DATE                        |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| पदार्थ<br>GRADE NO                                                                                 |  | सं1<br>N1                                                                           | सं2<br>N2 | सं3<br>N3            | सं4<br>N4 | सं5<br>N5                                                                           | सं6<br>N6 | सं7<br>N7 | सं8<br>N8 | सं9<br>N9                                                                           | सं10<br>N10 | सं11<br>N11                                                                                                                                                                  | सं12<br>N12 | रैखिक अनुपात<br>SCALE                                                               |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  | 1:1                                   |  | आरेखण संख्या<br>DRAWING NO  |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  | 1209-12.417-034 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| Rz                                                                                                 |  | 0.16-0.3                                                                            | 0.5-0.7   | 0.9-1.1              | 1.5-2.0   | 2.5-3.0                                                                             | 5.0-6.3   | 9.0-12    | 14-25     | 30-40                                                                               | 50-63       | 75-100                                                                                                                                                                       | 100-250     |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  |                                       |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| Ra μm                                                                                              |  | 0.025                                                                               | 0.05      | 0.1                  | 0.2       | 0.4                                                                                 | 0.8       | 1.6       | 3.2       | 6.3                                                                                 | 12.5        | 25                                                                                                                                                                           | 50          |                                                                                     |  |                  |  |                                                                                     |  |                                       |  |                                   |  |           |  |                                       |  |                             |  |                      |  |  |  |                                                                                     |  |                                  |  |  |  |                 |                |        |        |    |  |  |  |  |  |  |  |  |  |
| चिह्न<br>SYMBOL                                                                                    |  |  |           |                      |           |  |           |           |           |  |             |                                                                                                                                                                              |             |  |  |                  |  |  |  |                                       |  | संदर्भ / REF<br>03/4/2012 ALT - 1 |  |           |  |                                       |  |                             |  |                      |  |  |  |  |  | परिवर्तन संख्या<br>ALTERATION NO |  |  |  | 01              | पृष्ठ<br>SHEET |        | 1 OF 1 | A4 |  |  |  |  |  |  |  |  |  |



THIS IS PROVISIONAL DRG.

1. ALL DIMENSIONS ARE IN mm
2. NEXT ASSLY. DRG. NO-1209-12.317-001
3. C&D NO-
4. QTY./LOCO-8 NOS.
5. USED FOR LOCO WAP-7, WAG-9 WAG-9 HC
6. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

|                                                                                                                                       |  |                                                                                                    |                      |                                 |                                                |                                                                                                                                                                   |                                    |
|---------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|----------------------|---------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| परिवर्तन संख्या<br>ALT NO                                                                                                             |  | प्राधिकार<br>AUTHY                                                                                 | वर्णन<br>DESCRIPTION | दिनांकित बाहरी<br>DATED INITIAL | अधिकृत<br>DGN                                  |  <b>चितरंजन रेलइंजन कारखाना</b><br><b>CHITTARANJAN LOCOMOTIVE WORKS, INDIA</b> |                                    |
| सतह - कठोरता का मान मा. सं. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO IS 3073 / 1302 (ISO)                                 |  | अनिर्दिष्ट सत - सीमा मा. सं. 2102 / अ. मा. सं. 2768<br>UNSPECIFIED TOLERANCE TO IS 2102 / ISO 2768 |                      | TOL CLS                         | समीक्षित सवि.अ. / सवि.अ.<br>REVIEWED ALL / SEE | पदार्थ<br>MATERIAL                                                                                                                                                | प्रति भार कि. घा.<br>WT EACH IN KG |
| पदार्थ सं. 1 सं. 2 सं. 3 सं. 4 सं. 5 सं. 6 सं. 7 सं. 8 सं. 9 सं. 10 सं. 11 सं. 12<br>GRADE NO. N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 |  | धातु-रेल्वन चिह्न मा. सं. 819 / अ. मा. सं. 12603<br>WELDING SYMBOLS TO IS 819 / ISO 2553           |                      |                                 | अनुमोदित उद्युधि.अ.<br>APPROVED BY/EE          | विशिष्ट<br>SPECN                                                                                                                                                  | वर्णन<br>DESCRIPTION               |
| Rz 0.16-0.3 0.5-0.7 0.9-1.1 1.5-2.8 3.5-3.8 5.0-4.3 9.0-12 16-25 18-11 50-43 75-100 100-150                                           |  |                                                                                                    |                      |                                 | दिनांक<br>DATE                                 | 15 17875 2022                                                                                                                                                     |                                    |
| Ro 0.025 0.05 0.1 0.2 0.4 0.8 1.6 3.2 6.3 12.5 25 50                                                                                  |  |                                                                                                    |                      |                                 | रेखिक अनुपात<br>SCALE                          | 25.4 MM SS TUBE                                                                                                                                                   |                                    |
| चिह्न SYMBOL                                                                                                                          |  |                                                                                                    |                      |                                 | संदर्भ : REF                                   | आरेखण संख्या<br>DRAWING NO                                                                                                                                        |                                    |
|                                                                                                                                       |  |                                                                                                    |                      |                                 | ALT                                            | 1209-12.417-032                                                                                                                                                   |                                    |
|                                                                                                                                       |  |                                                                                                    |                      |                                 |                                                | परिवर्तन संख्या<br>ALTERATION NO                                                                                                                                  | पृष्ठ<br>SHEET                     |
|                                                                                                                                       |  |                                                                                                    |                      |                                 |                                                |                                                                                                                                                                   | 1 OF 1 A4                          |