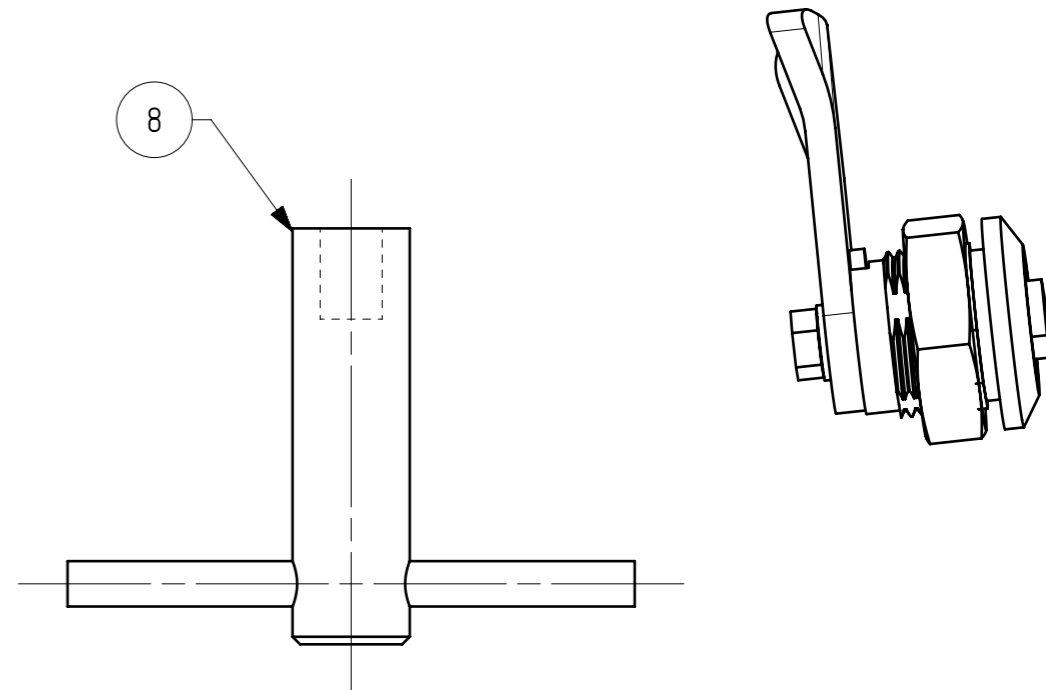
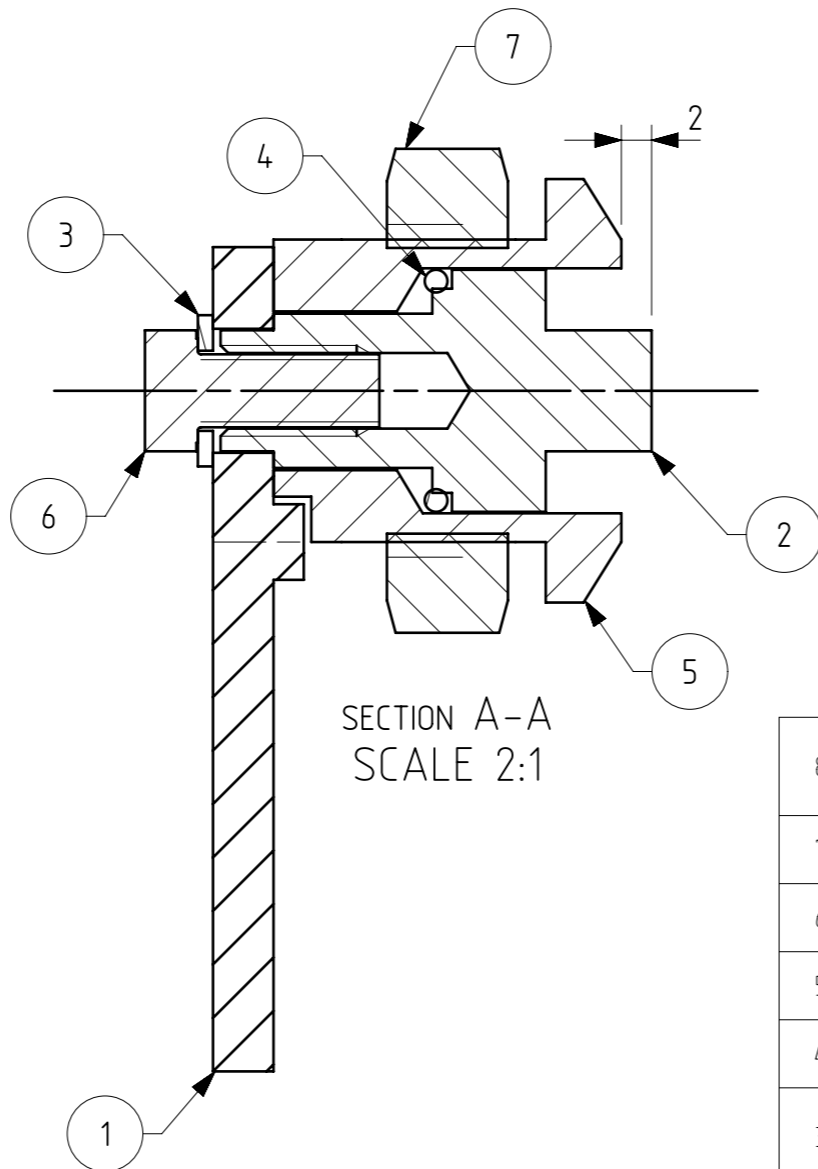
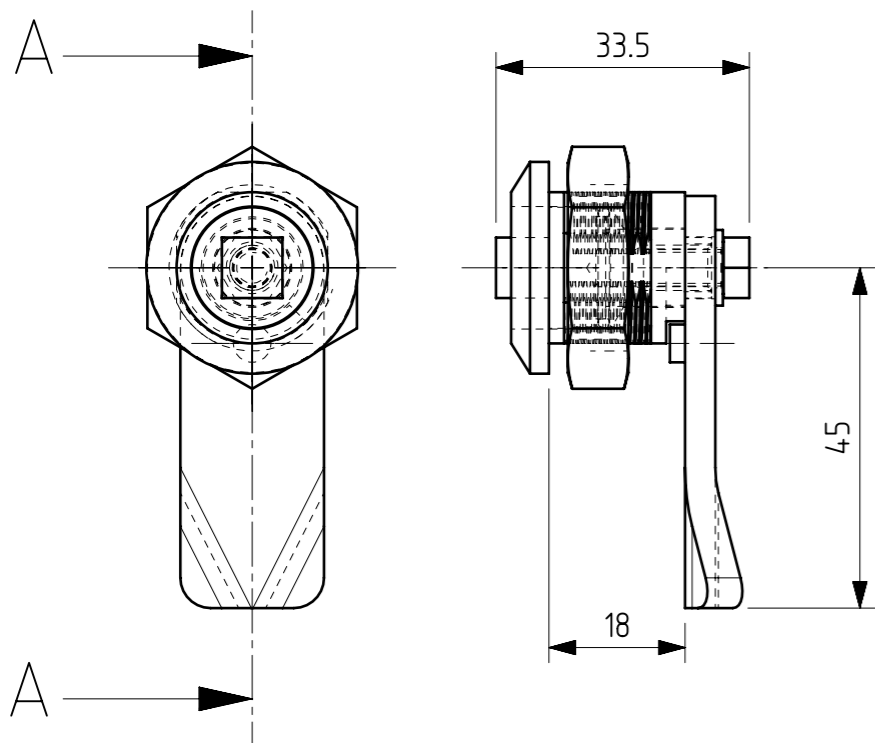


SURFACE ROUGHNESS Ra VALUES IN  $\mu\text{m}$   
REMOVE ALL BURRS AND SHARP EDGES








NOTE:-

1. LOCK TO BE SUPPLIED COMPLETE AS A UNIT.
2. KEY REF. 8 SHALL BE HAVING WING KNOB FOR EASY OPERATION.
3. THIS DRAWING IS ALSO APPLICABLE FOR WAP-5 LOCO.
4. i) THE FIRM SHOULD PUT ITS IDENTIFICATION MARK, SERIAL NO. ETC. IN THEIR PRODUCT.  
ii) PRIOR TO PROTOTYPE INSPECTION CLW'S REPRESENTATIVE WILL BE DEPUTED TO SEAL THE SAMPLE PIECE OF THE MATERIAL SPECIFIED FOR THE TEST IN GOVT./RDSO APPROVEN TEST LAB. THE LAB TEST REPORT SHOULD BE PRODUCED AT THE TIME OF PROTOTYPE INSPECTION.
5. iii) STANDARD FASTNERS OF RAILWAY APPROVED SOURCES ONLY SHALL BE USED IN THE ASSEMBLY.
5. TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS WILL BE AS PER IS:2102 (Pt.1) 1993 (MEDIUM).

1. ALL DIMENSIONS ARE IN mm
2. QTY./LOCO-04 NOS.
3. USED FOR LOCO: WAP-5, WAG-9HC, WAP-7

|                                       |                  |                     |                                     |        |                     |                                                  |                  |
|---------------------------------------|------------------|---------------------|-------------------------------------|--------|---------------------|--------------------------------------------------|------------------|
| 8                                     | /                | 1209-18.306-509     | KEY                                 | 1      | STEEL CHROME PLATED | IS:2062:2011 Gr.E250 QUALITY-C KILLED NORMALIZED |                  |
| 7                                     | /                | 1209-18.306-568     | HEX NUT L.H.                        | 1      | STAINLESS STEEL     | ASTM A-240 Gr. 304                               |                  |
| 6                                     | /                | 1209-18.406-324-002 | SCREW HEX HD M5X0.8 - 12 LG.        | 1      | STAINLESS STEEL     | A.I.S.I. 304                                     |                  |
| 5                                     | /                | 1209-18.306-506     | HOUSING SHORT                       | 1      | STAINLESS STEEL     | ASTM A-240 Gr.304                                |                  |
| 4                                     | /                | 1209-18.306-505     | O-RING                              | 1      | RUBBER              | IS:11149:1984 TYPE-I, CLASS-C                    |                  |
| 3                                     | /                | 1209-18.406-394-004 | WASHER ROUND FLAT 5.3 ZN PL (PASS.) | 1      | STAINLESS STEEL     | ASTM A-240 Gr. 304                               |                  |
| 2                                     | /                | 1209-18.306-503     | SQUARE INSERT                       | 1      | STAINLESS STEEL     | ASTM A-240 GR.304                                |                  |
| 1                                     | /                | 1209-18.306-502     | CAM                                 | 1      | STAINLESS STEEL     | ASTM- A240 GR.304                                |                  |
| निर्देश लायात एवं संख्या/वितरण संख्या | अंग आरेखण संख्या | वर्णन               | मात्रा                              | पदार्थ | विशिष्ट             | प्रति भाग कि. ग्रा.                              |                  |
| REF. NO.                              | C&D NO.          | PART DRG. NO.       | DESCRIPTION                         | QTY.   | MATL                | SPECN                                            | WT. EACH IN K.G. |

|                                                     |          |                                                                                                                                                              |  |                                       |    |
|-----------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|----|
| अधिकृतित<br>DGN                                     |          |  <b>चितरंजन रेलइंजन कारखाना</b><br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |  |                                       |    |
| जॉचा व.अ.अ.<br>CHD SSE                              |          |                                                                                                                                                              |  |                                       |    |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |          | पदार्थ<br>MATL                                                                                                                                               |  | प्रति भाग कि. ग्रा.<br>WT. EACH IN KG |    |
| अनुमोदित च.यु.वि.अ.<br>APPROVED DYCEE               |          | विशिष्ट<br>SPECN                                                                                                                                             |  |                                       |    |
| दिनांक<br>DATE                                      | 19-02-25 | वर्णन<br>DESCRIPTION                                                                                                                                         |  |                                       |    |
| रैखिक अनुपात<br>SCALE                               | 1:1      | आरेखण संख्या<br>DRAWING NO.                                                                                                                                  |  | 1209-18.306-004                       |    |
| संदर्भ / REF.<br>182-00563 ALT- 0                   |          | परिवर्तन संख्या<br>ALTERATION NO.                                                                                                                            |  | 5                                     |    |
| परिवर्तन संख्या<br>ALT. NO.                         |          | पुर्ण<br>SHEET                                                                                                                                               |  | 1 OF 1                                |    |
| प्राधिकार<br>AUTHY                                  |          |                                                                                                                                                              |  |                                       | A3 |

|                                                                                                                   |                                                                                                                     |                                                                                     |           |           |                                                                                     |           |           |                                                                                     |           |           |                                                                                       |             |              |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|---------------------------------------------------------------------------------------|-------------|--------------|
| <b>धातु-वेल्डन चिन्ह</b><br>भा. मा. : 813 / अ. मा. सं. : 2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553          | <b>अनिर्दिष्ट सद्य - सीमा मा. मा. : 2102 / अ. मा. सं. : 2768</b><br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |                                                                                     |           |           |                                                                                     |           |           |                                                                                     |           |           |                                                                                       |             | TOL.<br>CLS. |
|                                                                                                                   | पदांक<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  |
|                                                                                                                   | Rz                                                                                                                  | 0.16-0.3                                                                            | 0.5-0.7   | 0.9-1.1   | 1.5-2.0                                                                             | 2.5-3.8   | 5.0-6.3   | 9.0-12                                                                              | 16-25     | 30-40     | 50-63                                                                                 | 75-100      | 160-250      |
|                                                                                                                   | Ra $\mu\text{m}$                                                                                                    | 0.025                                                                               | 0.05      | 0.1       | 0.2                                                                                 | 0.4       | 0.8       | 1.6                                                                                 | 3.2       | 6.3       | 12.5                                                                                  | 25          | 50           |
| <b>सतह - रुक्षता का मान</b><br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | चिन्ह<br>SYMBOL                                                                                                     |  |           |           |  |           |           |  |           |           |  |             |              |

F

E

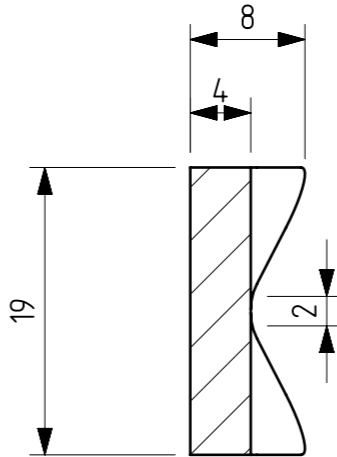
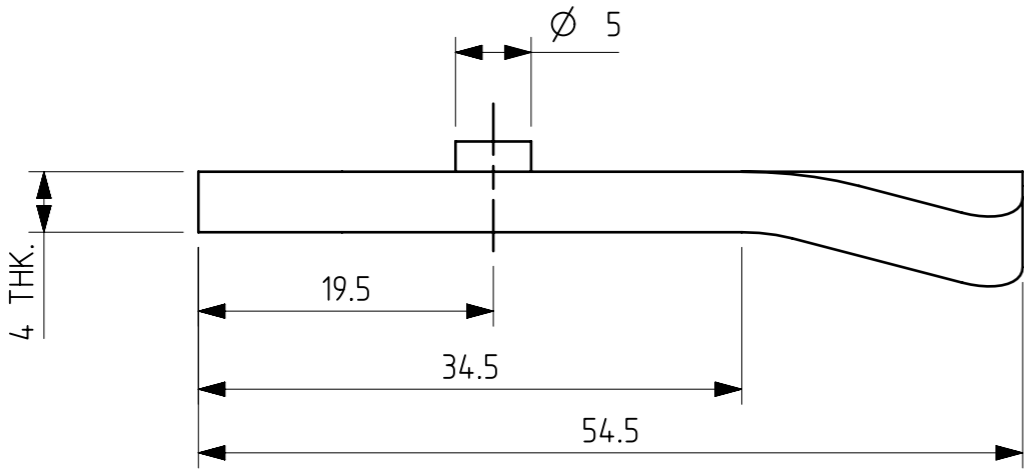
D

C

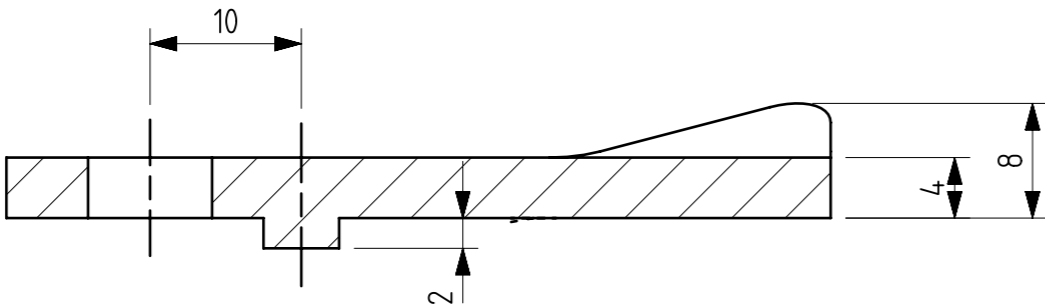
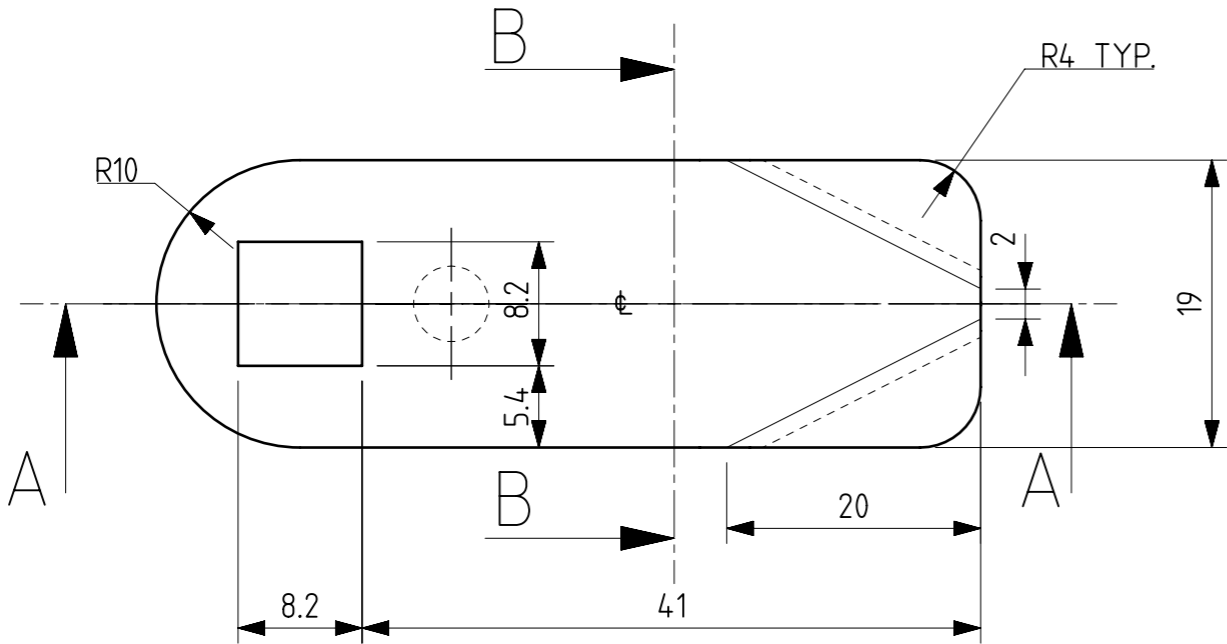
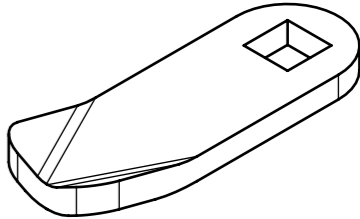
B

A

SURFACE ROUGHNESS Ra VALUES IN  $\mu\text{m}$   
REMOVE ALL BURRS AND SHARP EDGES



SECTION B-B



SECTION A-A

- NOTE:
1. ALL DIMENSIONS ARE IN mm
  2. NEXT LEVEL ASSEMBLY DRG. NO.-1209-18.306-004
  3. USED FOR LOCO- WAG-9HC, WAP-7, WAP-5
  4. QTY/LOCO- 04
  5. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102(PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

|                                                                                                            |                                                                                                              |           |           |           |           |           |           |           |           |           |             |              |             |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|--------------|-------------|
| धातु-वेल्डन चिन्ह<br>भा. मा. : 813 / अ. मा. सं.:2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553            | अनिर्दिष्ट सद्य – सीमा भा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |           |           |           |           |           |           |           |           |           |             | TOL.<br>CLS. |             |
|                                                                                                            | पदांक<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 |
| सतह – रुक्षता का मान<br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | Rz                                                                                                           | 0.16-0.3  | 0.5-0.7   | 0.9-1.1   | 1.5-2.0   | 2.5-3.8   | 5.0-6.3   | 9.0-12    | 16-25     | 30-40     | 50-63       | 75-100       | 160-250     |
|                                                                                                            | Ra $\mu\text{m}$                                                                                             | 0.025     | 0.05      | 0.1       | 0.2       | 0.4       | 0.8       | 1.6       | 3.2       | 6.3       | 12.5        | 25           | 50          |
|                                                                                                            | चिन्ह<br>SYMBOL                                                                                              |           |           |           |           |           |           |           |           |           |             |              |             |

|                             |                    |                      |  |                              |
|-----------------------------|--------------------|----------------------|--|------------------------------|
| 1                           | DY.CEE/D-III       | DESIGN MODIFIED.     |  |                              |
| परिवर्तन संख्या<br>ALT. NO. | प्राधिकार<br>AUTHY | वर्णन<br>DESCRIPTION |  | दिनांकित<br>DATED<br>INITIAL |

|                                                     |          |                                   |                   |                                                                 |        |
|-----------------------------------------------------|----------|-----------------------------------|-------------------|-----------------------------------------------------------------|--------|
| अधिकृत<br>DGN                                       |          |                                   |                   | चितरंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |        |
| जॉचा व.अ.अ.<br>CHD SSE                              |          | पदार्थ<br>MATL                    | STAINLESS STEEL   | प्रति भार कि. ग्रा.<br>WT. EACH IN KG                           | 0.03   |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |          | विशिष्ट<br>SPECN                  | ASTM- A240 GR.304 |                                                                 |        |
| अनुमोदित उ.यु.वि.अ.<br>APPROVED DYCEE               |          | वर्णन<br>DESCRIPTION              | CAM               |                                                                 |        |
| दिनांक<br>DATE                                      | 18-02-25 | आरेखण संख्या<br>DRAWING NO.       | 1209-18.306-502   |                                                                 |        |
| रैखिक अनुपात<br>SCALE                               | 2:1      | परिवर्तन संख्या<br>ALTERATION NO. | 1                 | पुर्ण<br>SHEET                                                  | 1 OF 1 |
| संदर्भ / REF.<br>ALT-                               |          | A3                                |                   |                                                                 |        |

SURFACE ROUGHNESS Ra VALUES IN  $\mu\text{m}$

F

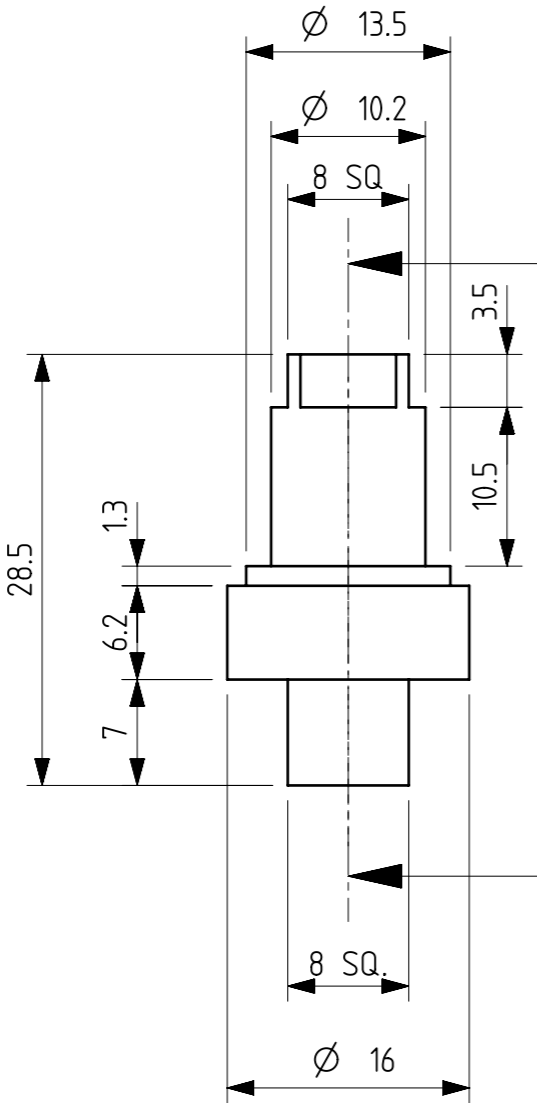
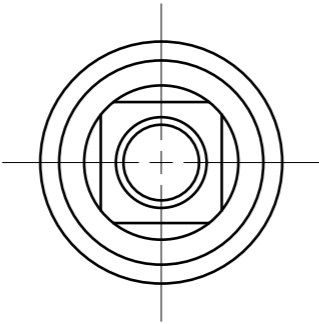
E

D

C

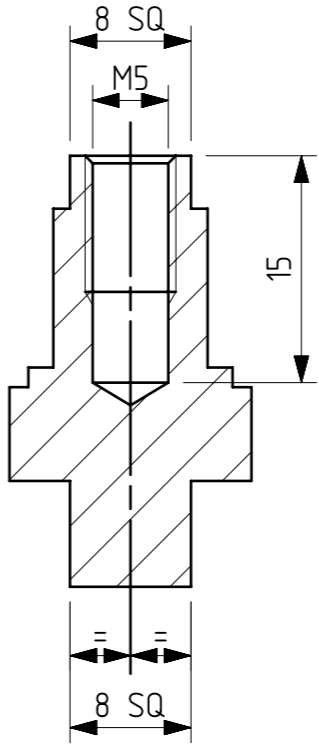
B

A

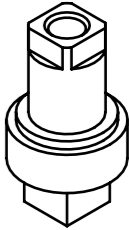


A

A



SECTION A-A



F

E

D

C


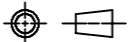
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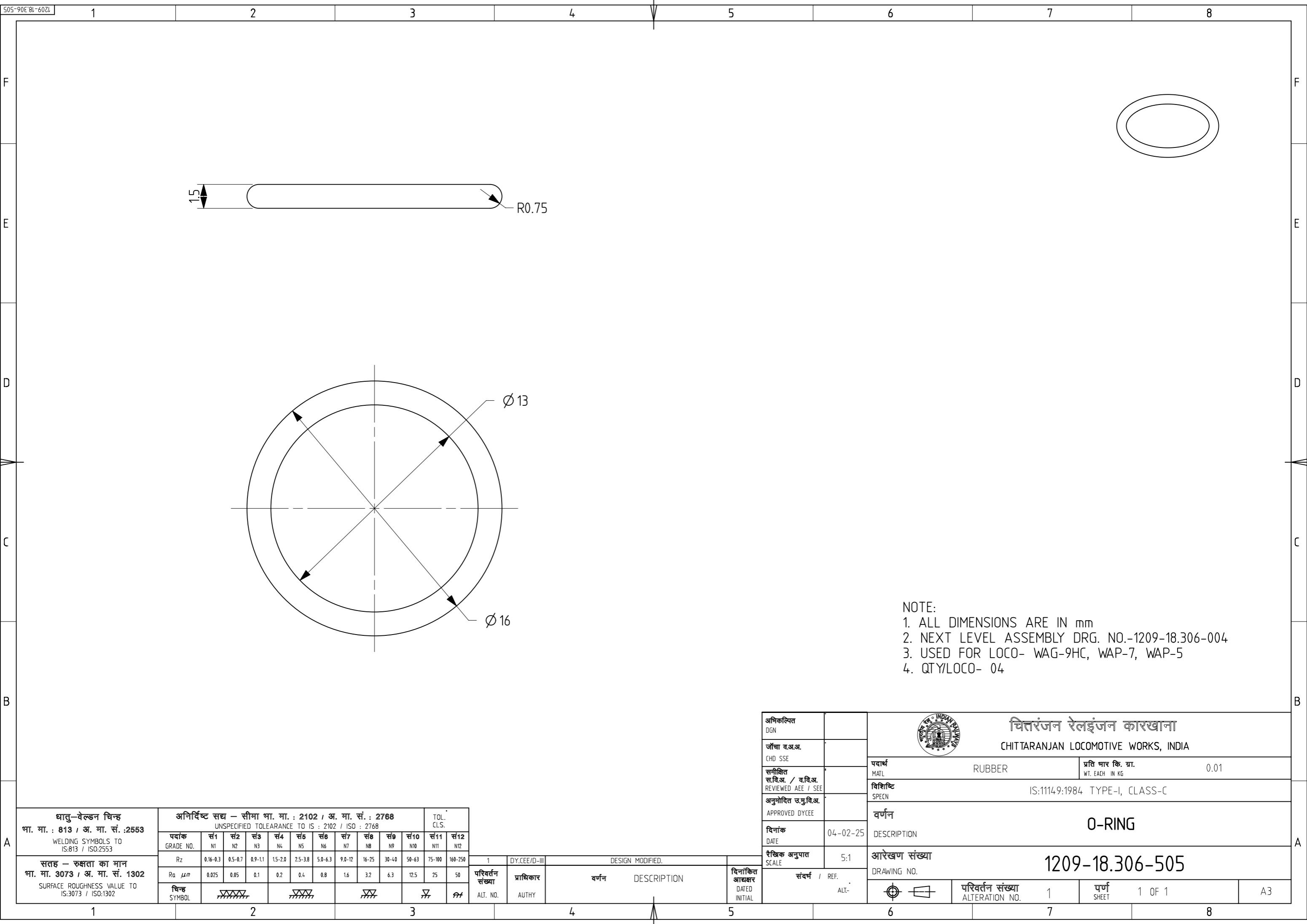
A

- NOTE:
- 1. ALL DIMENSIONS ARE IN mm
  - 2. NEXT LEVEL ASSEMBLY DRG. NO.-1209-18.306-004
  - 3. USED FOR LOCO- WAG-9HC, WAP-7, WAP-5
  - 4. QTY/LOCO- 04
  - 5. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102(PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

|                                                                                                            |                                                                                                              |           |           |           |           |           |           |           |           |           |             |              |             |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|--------------|-------------|
| धातु-वेल्डन चिन्ह<br>भा. मा. : 813 / अ. मा. सं. :2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553           | अनिर्दिष्ट सद्य – सीमा भा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |           |           |           |           |           |           |           |           |           |             | TOL.<br>CLS. |             |
|                                                                                                            | पदांक<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 |
|                                                                                                            | Rz                                                                                                           | 0.16-0.3  | 0.5-0.7   | 0.9-1.1   | 1.5-2.0   | 2.5-3.8   | 5.0-6.3   | 9.0-12    | 16-25     | 30-40     | 50-63       | 75-100       | 160-250     |
| सतह – रुक्षता का मान<br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | Ra $\mu\text{m}$                                                                                             | 0.025     | 0.05      | 0.1       | 0.2       | 0.4       | 0.8       | 1.6       | 3.2       | 6.3       | 12.5        | 25           | 50          |
|                                                                                                            | चिन्ह<br>SYMBOL                                                                                              |           |           |           |           |           |           |           |           |           |             |              |             |

|                             |                    |                      |                                |  |
|-----------------------------|--------------------|----------------------|--------------------------------|--|
| 1                           | DY.CEE/D-III       | DESIGN MODIFIED.     |                                |  |
| परिवर्तन संख्या<br>ALT. NO. | प्राधिकार<br>AUTHY | वर्णन<br>DESCRIPTION | दिनांकित आधार<br>DATED INITIAL |  |

|                                                     |  |                                                                                       |                                                                  |                                                                                       |                   |                                       |      |                |        |    |
|-----------------------------------------------------|--|---------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|---------------------------------------|------|----------------|--------|----|
| अधिकृतित<br>DGN                                     |  |  | चिततरंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |                                                                                       |                   |                                       |      |                |        |    |
| जॉचा व.अ.अ.<br>CHD SSE                              |  |                                                                                       | पदार्थ<br>MATL                                                   |                                                                                       | STAINLESS STEEL   | प्रति भार कि. ग्रा.<br>WT. EACH IN KG | 0.03 |                |        |    |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |  |                                                                                       | विशिष्टि<br>SPECN                                                |                                                                                       | ASTM A-240 GR.304 |                                       |      |                |        |    |
| अनुमोदित उ.यु.वि.अ.<br>APPROVED DYCEE               |  |                                                                                       | वर्णन<br>DESCRIPTION                                             |                                                                                       | SQUARE INSERT     |                                       |      |                |        |    |
| दिनांक<br>DATE                                      |  |                                                                                       | 03-02-25                                                         |                                                                                       |                   |                                       |      |                |        |    |
| रैखिक अनुपात<br>SCALE                               |  | 2:1                                                                                   |                                                                  | आरेखण संख्या<br>DRAWING NO.                                                           |                   | 1209-18.306-503                       |      |                |        |    |
| दिनांकित<br>आद्यक्षर<br>DATED<br>INITIAL            |  | संदर्भ / REF.<br><br>ALT-                                                             |                                                                  |  |                   | परिवर्तन संख्या<br>ALTERATION NO.     | 1    | पुर्ण<br>SHEET | 1 OF 1 | A3 |



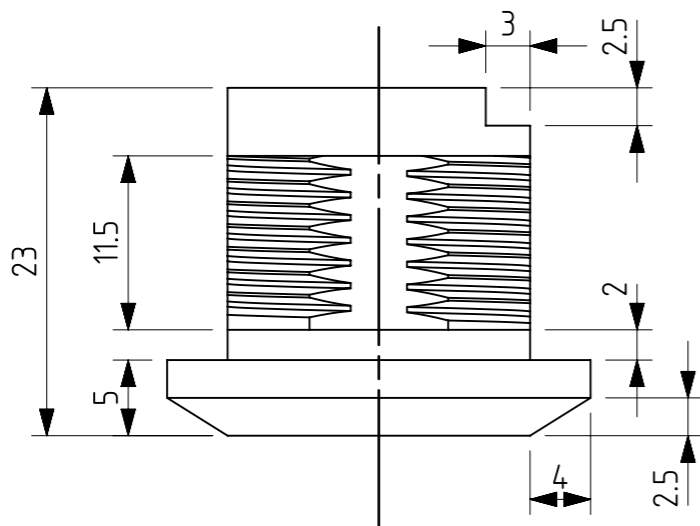
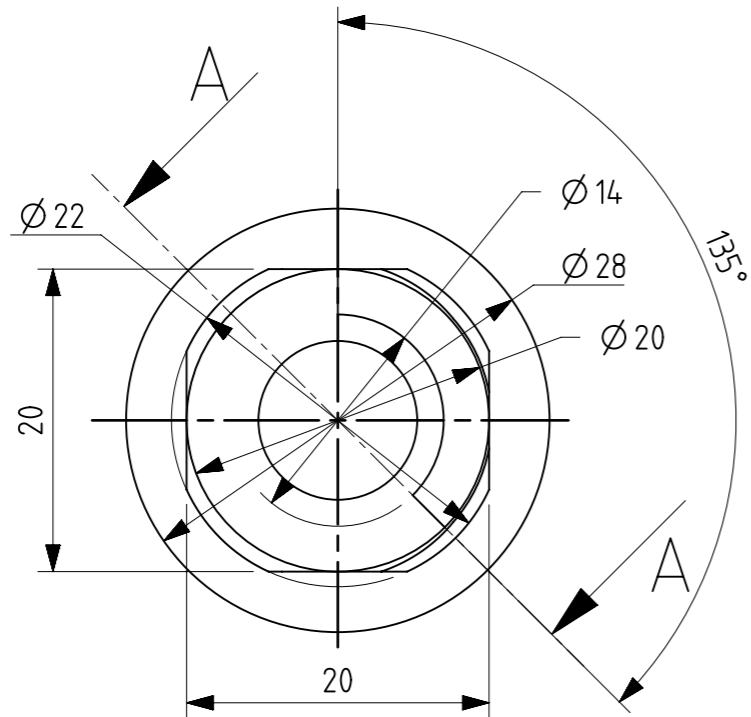
NOTE:  
1. ALL DIMENSIONS ARE IN mm  
2. NEXT LEVEL ASSEMBLY DRG. NO.-1209-18.306-004  
3. USED FOR LOCO- WAG-9HC, WAP-7, WAP-5  
4. QTY/LOCO- 04

|                                                                                                                                               |                                                           |          |         |         |         |         |         |        |       |       |       |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------|---------|---------|---------|---------|---------|--------|-------|-------|-------|--------|
| <div>धातु-वेल्डन चिन्ह</div> <div>भा. मा. : 813 / अ. मा. सं. :2553</div> <div>WELDING SYMBOLS TO</div> <div>IS:813 / ISO:2553</div>           | अनिर्दिष्ट सद्य - सीमा भा. मा. : 2102 / अ. मा. सं. : 2768 |          |         |         |         |         |         |        |       |       |       | TOL.   |
|                                                                                                                                               | UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768           |          |         |         |         |         |         |        |       |       |       | CLS.   |
|                                                                                                                                               | पदांक                                                     | सं1      | सं2     | सं3     | सं4     | सं5     | सं6     | सं7    | सं8   | सं9   | सं10  | सं11   |
|                                                                                                                                               | GRADE NO.                                                 | N1       | N2      | N3      | N4      | N5      | N6      | N7     | N8    | N9    | N10   | N11    |
| <div>सतह - रुक्षता का मान</div> <div>भा. मा. 3073 / अ. मा. सं. 1302</div> <div>SURFACE ROUGHNESS VALUE TO</div> <div>IS:3073 / ISO:1302</div> | Rz                                                        | 0.16-0.3 | 0.5-0.7 | 0.9-1.1 | 1.5-2.0 | 2.5-3.8 | 5.0-6.3 | 9.0-12 | 16-25 | 30-40 | 50-63 | 75-100 |
|                                                                                                                                               | Ra $\mu m$                                                | 0.025    | 0.05    | 0.1     | 0.2     | 0.4     | 0.8     | 1.6    | 3.2   | 6.3   | 12.5  | 25     |
|                                                                                                                                               | चिन्ह                                                     | XXXXXX   |         |         | XXXXXX  |         |         | XXXX   |       |       | XX    | XX     |
| SYMBOL                                                                                                                                        |                                                           |          |         |         |         |         |         |        |       |       |       |        |

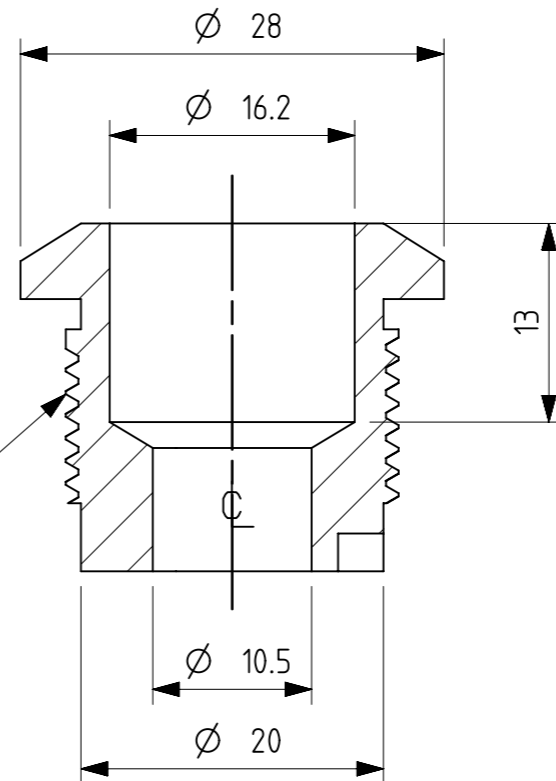
|                 |              |                  |             |               |
|-----------------|--------------|------------------|-------------|---------------|
| 1               | DY.CEE/D-III | DESIGN MODIFIED. |             |               |
| परिवर्तन संख्या | प्राधिकार    | वर्णन            | DESCRIPTION | दिनांकित आधार |
| ALT. NO.        | AUTHY        |                  |             | DATED INITIAL |

|                                               |  |                                                                                     |                                          |
|-----------------------------------------------|--|-------------------------------------------------------------------------------------|------------------------------------------|
| अभिकल्पित DGN                                 |  | <div>चिततरंजन रेलइंजन कारखाना</div> <div>CHITTARANJAN LOCOMOTIVE WORKS, INDIA</div> |                                          |
| जॉचा व.अ.अ. CHD SSE                           |  |                                                                                     |                                          |
| समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE |  | पदार्थ MAIL RUBBER                                                                  | प्रति भार कि. ग्रा. WT. EACH IN KG 0.01  |
| अनुमोदित उ.यु.वि.अ. APPROVED DYCEE            |  | विशिष्ट SPECN IS:11149:1984 TYPE-I, CLASS-C                                         |                                          |
| दिनांक DATE 04-02-25                          |  | वर्णन DESCRIPTION O-RING                                                            |                                          |
| रैखिक अनुपात SCALE 5:1                        |  | आरेखण संख्या 1209-18.306-505                                                        |                                          |
| संदर्भ / REF. ALT-                            |  | DRAWING NO.                                                                         |                                          |
|                                               |  | <div>परिवर्तन संख्या</div> <div>ALTERATION NO.</div>                                | <div>पुर्ण SHEET</div> <div>1 OF 1</div> |
|                                               |  |                                                                                     | A3                                       |

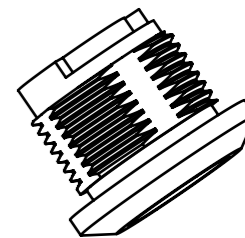
SURFACE ROUGHNESS Ra VALUES IN  $\mu\text{m}$



M22X1.5P L.H. THD



SECTION A-A


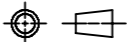


NOTE:

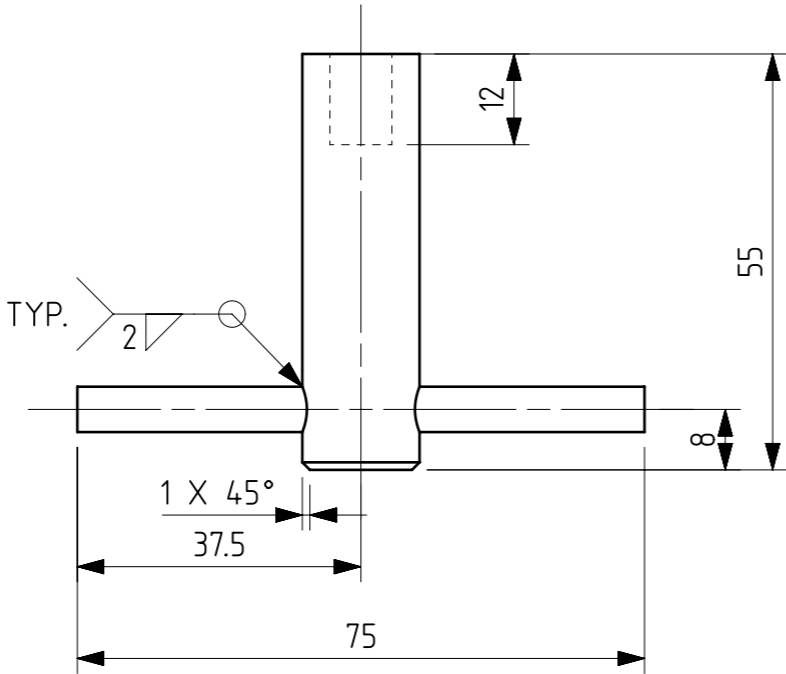
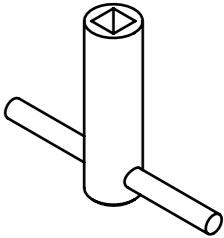
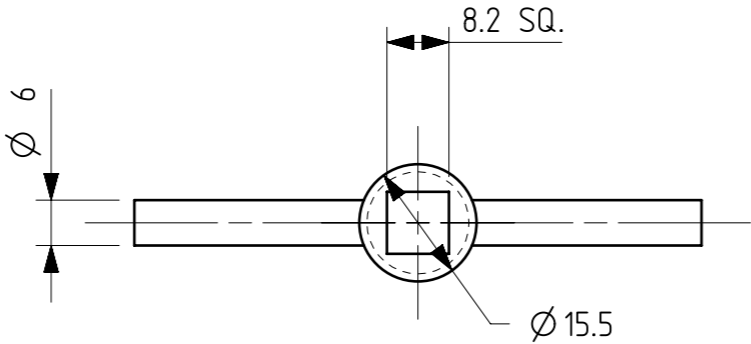
1. ALL DIMENSIONS ARE IN mm
2. NEXT LEVEL ASSEMBLY DRG. NO.-1209-18.306-004
3. USED FOR LOCO- WAG-9HC, WAP-7, WAP-5
4. QTY/LOCO- 04
5. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102(PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

|                                                                                                            |                                                                                                              |          |          |          |          |          |          |          |          |          |            |              |            |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|--------------|------------|
| धातु-वेल्डन चिन्ह<br>भा. मा. : 813 / अ. मा. सं.:2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553            | अनिर्दिष्ट सद्य – सीमा भा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |          |          |          |          |          |          |          |          |          |            | TOL.<br>CLS. |            |
|                                                                                                            | पदांक<br>GRADE NO.                                                                                           | स1<br>N1 | स2<br>N2 | स3<br>N3 | स4<br>N4 | स5<br>N5 | स6<br>N6 | स7<br>N7 | स8<br>N8 | स9<br>N9 | स10<br>N10 | स11<br>N11   | स12<br>N12 |
| सतह – रुक्षता का मान<br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | Rz                                                                                                           | 0.16-0.3 | 0.5-0.7  | 0.9-1.1  | 1.5-2.0  | 2.5-3.8  | 5.0-6.3  | 9.0-12   | 16-25    | 30-40    | 50-63      | 75-100       | 160-250    |
|                                                                                                            | Ra $\mu\text{m}$                                                                                             | 0.025    | 0.05     | 0.1      | 0.2      | 0.4      | 0.8      | 1.6      | 3.2      | 6.3      | 12.5       | 25           | 50         |
|                                                                                                            | चिन्ह<br>SYMBOL                                                                                              |          |          |          |          |          |          |          |          |          |            |              |            |

|                             |                    |                      |                              |  |
|-----------------------------|--------------------|----------------------|------------------------------|--|
| 1                           | DY.CEE/D-III       | DESIGN MODIFIED.     |                              |  |
| परिवर्तन संख्या<br>ALT. NO. | प्राधिकार<br>AUTHY | वर्णन<br>DESCRIPTION | दिनांकित<br>DATED<br>INITIAL |  |

|                                                     |  |                                                                                       |                                                                  |                                   |                   |                                       |                |        |    |
|-----------------------------------------------------|--|---------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------|-------------------|---------------------------------------|----------------|--------|----|
| अधिकृतित<br>DGN                                     |  |  | चिततरंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |                                   |                   |                                       |                |        |    |
| जॉचा व.अ.अ.<br>CHD SSE                              |  |                                                                                       | पदार्थ<br>MATL                                                   |                                   | STAINLESS STEEL   | प्रति भार कि. ग्रा.<br>WT. EACH IN KG | 0.03           |        |    |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |  |                                                                                       | विशिष्टि<br>SPECN                                                |                                   | ASTM A-240 Gr.304 |                                       |                |        |    |
| अनुमोदित च.यु.वि.अ.<br>APPROVED DYCEE               |  |                                                                                       | वर्णन<br>DESCRIPTION                                             |                                   | HOUSING SHORT     |                                       |                |        |    |
| दिनांक<br>DATE                                      |  |                                                                                       | 04-02-25                                                         |                                   |                   |                                       |                |        |    |
| रैखिक अनुपात<br>SCALE                               |  |                                                                                       | 2:1                                                              |                                   |                   |                                       |                |        |    |
| दिनांकित<br>आद्यक्षर<br>DATED<br>INITIAL            |  | संदर्भ / REF.<br>ALT-                                                                 |                                                                  | आरेखण संख्या<br>DRAWING NO.       |                   | 1209-18.306-506                       |                |        |    |
|                                                     |  |  |                                                                  | परिवर्तन संख्या<br>ALTERATION NO. |                   | 1                                     | पुर्ण<br>SHEET | 1 OF 1 | A3 |

SURFACE ROUGHNESS Ra VALUES IN  $\mu\text{m}$   
REMOVE ALL BURRS AND SHARP EDGES

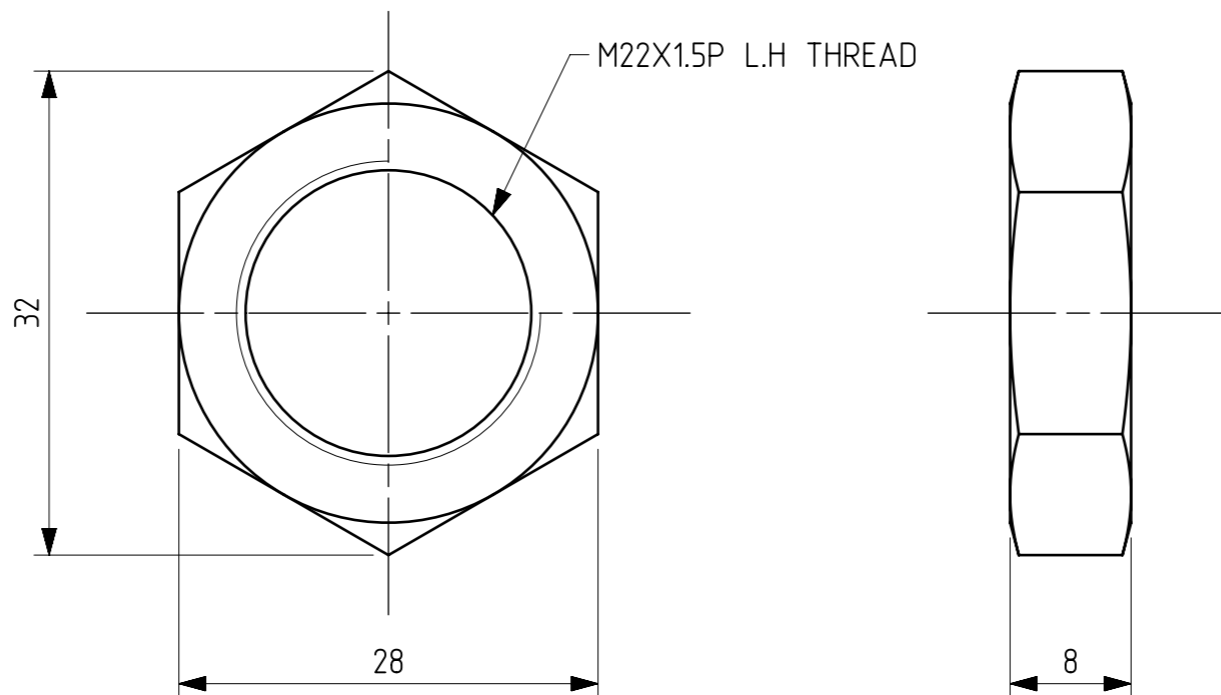


1. ALL DIMENSIONS ARE IN mm
2. NEXT ASSLY. DRG. NO- 1209-18.306-004
3. QTY./LOCO-04 NOS.
4. USED FOR LOCO: WAP-5 , WAG-9HC, WAP-7
5. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1





|                                                                                                            |                                                                                                              |           |           |           |           |           |           |           |           |           |             |             |              |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|--------------|
| धातु-वेल्डन चिन्ह<br>भा. मा. : 813 / अ. मा. सं. :2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553           | अनिर्दिष्ट सद्य – सीमा मा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |           |           |           |           |           |           |           |           |           |             |             | TOL.<br>CLS. |
|                                                                                                            | पदांक<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  |
|                                                                                                            | Rz                                                                                                           | 0.16-0.3  | 0.5-0.7   | 0.9-1.1   | 1.5-2.0   | 2.5-3.8   | 5.0-6.3   | 9.0-12    | 16-25     | 30-40     | 50-63       | 75-100      | 160-250      |
|                                                                                                            | Ra $\mu\text{m}$                                                                                             | 0.025     | 0.05      | 0.1       | 0.2       | 0.4       | 0.8       | 1.6       | 3.2       | 6.3       | 12.5        | 25          | 50           |
| सतह – रुक्षता का मान<br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | चिन्ह<br>SYMBOL                                                                                              |           |           |           |           |           |           |           |           |           |             |             |              |

|                             |                    |                      |  |                                          |
|-----------------------------|--------------------|----------------------|--|------------------------------------------|
| 1                           | DY.CEE/D-III       | DESIGN MODIFIED.     |  |                                          |
| परिवर्तन संख्या<br>ALT. NO. | प्राधिकार<br>AUTHY | वर्णन<br>DESCRIPTION |  | दिनांकित<br>आद्यक्षर<br>DATED<br>INITIAL |


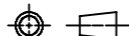
|                                                     |            |                                                                      |                                                  |
|-----------------------------------------------------|------------|----------------------------------------------------------------------|--------------------------------------------------|
| अधिकृतित<br>DGN                                     |            | <br>चितारंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |                                                  |
| जोचा व.अ.अ.<br>CHD SSE                              |            |                                                                      |                                                  |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |            | पदार्थ<br>MATH                                                       | प्रति भार कि. ग्रा.<br>WT. EACH IN KG            |
| अनुमोदित उ.यु.वि.अ.<br>APPROVED DYCEE               |            | विशिष्टि<br>SPECN                                                    | IS:2062:2011 Gr.E250 QUALITY-C KILLED NORMALIZED |
| दिनांक<br>DATE                                      | 19-02-2025 | वर्णन<br>KEY                                                         |                                                  |
| रैखिक अनुपात<br>SCALE                               | 1:1        | आरेखण संख्या<br>DRAWING NO.                                          |                                                  |
| संदर्भ / REF.<br>ALT-                               |            | 1209-18.306-509                                                      |                                                  |
|                                                     |            | परिवर्तन संख्या<br>ALTERATION NO.                                    | पूर्ण<br>SHEET                                   |
|                                                     |            | 1                                                                    | 1 OF 1                                           |
|                                                     |            | A3                                                                   |                                                  |



1. ALL DIMENSIONS ARE IN mm  
2. NEXT LEVEL ASSEMBLY DRG. NO.1209-18.306-004  
3. USED FOR LOCO-WAG-9 HC, WAP-5, WAP-7  
4. QTY./LOCO.-4

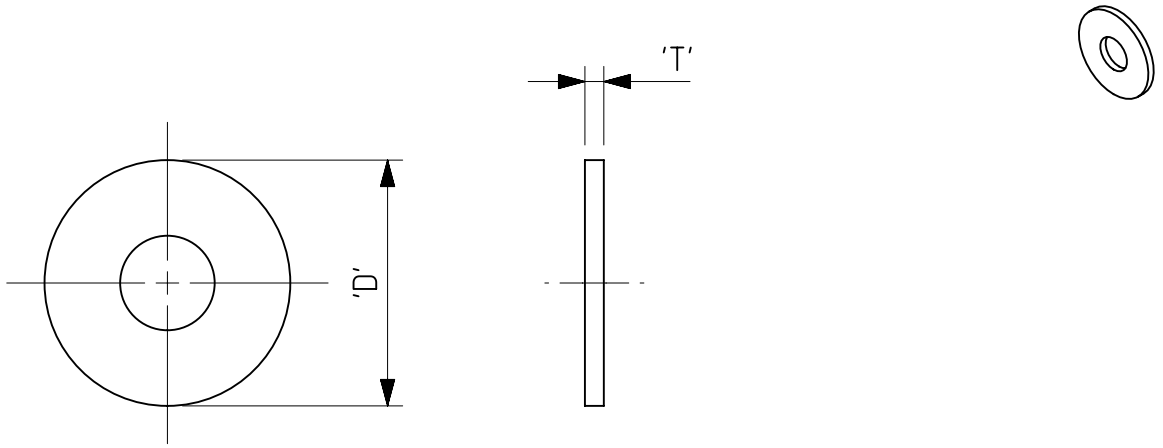
|                                                                                                           |                                                                                                              |                                                                                     |           |           |                                                                                     |           |           |                                                                                     |           |           |                                                                                      |             |                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|--------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|--|
| धातु-वेल्डन चिन्ह<br>भा. मा. : 813 / अ. मा. सं. :2553<br>WELDING SYMBOLS TO<br>IS:813 / ISO:2553          | अनिर्दिष्ट सद्य - सीमा भा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |                                                                                     |           |           |                                                                                     |           |           |                                                                                     |           |           |                                                                                      |             | TOL.<br>CLS.                                                                          |  |
|                                                                                                           | पदांक<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                                                                           |  |
| सतह - रक्षता का मान<br>भा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO<br>IS:3073 / ISO:1302 | Rz                                                                                                           | 0.16-0.3                                                                            | 0.5-0.7   | 0.9-1.1   | 1.5-2.0                                                                             | 2.5-3.8   | 5.0-6.3   | 9.0-12                                                                              | 16-25     | 30-40     | 50-63                                                                                | 75-100      | 160-250                                                                               |  |
|                                                                                                           | Ra $\mu m$                                                                                                   | 0.025                                                                               | 0.05      | 0.1       | 0.2                                                                                 | 0.4       | 0.8       | 1.6                                                                                 | 3.2       | 6.3       | 12.5                                                                                 | 25          | 50                                                                                    |  |
|                                                                                                           | चिन्ह<br>SYMBOL                                                                                              |  |           |           |  |           |           |  |           |           |  |             |  |  |

| परिवर्तन संख्या<br>ALT. NO. | प्राधिकार<br>AUTHY | वर्णन<br>DESCRIPTION | दिनांक<br>आद्य<br>DATED<br>INITIAL |
|-----------------------------|--------------------|----------------------|------------------------------------|
|-----------------------------|--------------------|----------------------|------------------------------------|


|                                                     |          |                                                                                       |                                                                               |                                              |
|-----------------------------------------------------|----------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------|
| अधिकृतित<br>DGN                                     |          |  | <b>चितरंजन रेलइंजन कारखाना</b><br><b>CHITTARANJAN LOCOMOTIVE WORKS, INDIA</b> |                                              |
| जॉचा व.अ.अ.<br>CHD SSE                              |          |                                                                                       | <b>पदार्थ</b><br>MATL                                                         | <b>प्रति भार कि. ग्रा.</b><br>WT. EACH IN KG |
| समीक्षित<br>स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |          | <b>विशिष्टि</b><br>SPECN                                                              | STAINLESS STEEL<br>ASTM A-240 Gr. 304                                         |                                              |
| अनुमोदित स.मु.वि.अ.<br>APPROVED DYCEE               |          | <b>वर्णन</b><br>DESCRIPTION                                                           | HEX NUT L.H.                                                                  |                                              |
| दिनांक<br>DATE                                      | 18-02-25 | <b>आरेखण संख्या</b><br>DRAWING NO.                                                    | 1209-18.306-568                                                               |                                              |
| रैखिक अनुपात<br>SCALE                               | 2:1      |  | <b>परिवर्तन संख्या</b><br>ALTERATION NO.                                      | 0                                            |
| संदर्भ / REF.<br>ALT-                               |          | <b>पर्ण</b><br>SHEET                                                                  | 1 OF 1                                                                        | A3                                           |

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| REF. NO.            | NOM. SIZE<br>(BOLT DIA.) | DIMENSIONS |     |
|---------------------|--------------------------|------------|-----|
|                     |                          | 'D'        | 'T' |
| 1209-18.406-394-001 | 2.5                      | 6.5        | 0.5 |
| 1209-18.406-394-002 | 3                        | 7.0        | 0.5 |
| 1209-18.406-394-003 | 4                        | 9.0        | 0.8 |
| 1209-18.406-394-004 | 5                        | 10.0       | 1.0 |
| 1209-18.406-394-005 | 6                        | 12.5       | 1.2 |
| 1209-18.406-394-006 | 8                        | 17.0       | 1.2 |
| 1209-18.406-394-007 | 10                       | 21.0       | 1.6 |
| 1209-18.406-394-008 | 12                       | 24.0       | 1.6 |
| 1209-18.406-394-009 | 16                       | 30.0       | 2.0 |
| 1209-18.406-394-010 | 20                       | 37.0       | 2.0 |
| 1209-18.406-394-011 | 24                       | 44.0       | 2.0 |

|                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|--|--|--|--|--|--|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|
| अभिलेखित<br>DGN                                                                                     |  |  |  |  |  |  |  |  |  |  |  | जॉचा व.अ.अ.<br>CHD SSE                                                                                       |  |  |  |  |  |  |  |  |  |  |  | <br>चित्तरंजन रेलइंजन कारखाना<br>CHITTARANJAN LOCOMOTIVE WORKS, INDIA |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |                                                  |  |  |  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |                                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| परिवर्तन संख्या<br>ALT.NO.                                                                          |  |  |  |  |  |  |  |  |  |  |  | प्राधिकार<br>AUTHY                                                                                           |  |  |  |  |  |  |  |  |  |  |  | वर्णन<br>DESCRIPTION                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  | दिनांकित बाधक<br>DATED INITIAL |  |  |  |  |  |  |  |  |  |  |  | समीक्षित स.वि.अ. / व.वि.अ.<br>REVIEWED AEE / SEE |  |  |  |  |  |  |  |  |  |  |  | पदार्थ<br>MATL   |  |  |  |  |  |  |  |  |  |  |  | प्रति भार कि. ग्रा.<br>WT. EACH IN KG |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| सतह - रूखाता का मान वा. मा. 3073 / अ. मा. सं. 1302<br>SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302 |  |  |  |  |  |  |  |  |  |  |  | अनिर्दिष्ट सद्य - सीमा वा. मा. : 2102 / अ. मा. सं. : 2768<br>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768 |  |  |  |  |  |  |  |  |  |  |  | घातु-वेल्डन चिन्ह वा. मा. : 813 / अ. मा. सं. : 2553<br>WELDING SYMBOLS TO IS:813 / ISO:2553                                                               |  |  |  |  |  |  |  |  |  |  |  | TOL. CLS.                      |  |  |  |  |  |  |  |  |  |  |  | अनुमोदित उ.मु.वि.अ.<br>APPROVED DYCEE            |  |  |  |  |  |  |  |  |  |  |  | विशिष्ट<br>SPECN |  |  |  |  |  |  |  |  |  |  |  | वर्णन<br>DESCRIPTION                  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| पदांक<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 |  |  |  |  |  |  |  |  |  |  |  | दिनांक<br>DATE        |  |  |  |  |  |  |  |  |  |  |  | 23-09-20  |  |  |  |  |  |  |  |  |  |  |  | वर्णन<br>DESCRIPTION        |  |  |  |  |  |  |  |  |  |  |  |                                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| Rz                                                                                                  |  |  |  |  |  |  |  |  |  |  |  | 0.16-0.3                                                                                                     |  |  |  |  |  |  |  |  |  |  |  | 0.5-0.7                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  | 0.9-1.1                        |  |  |  |  |  |  |  |  |  |  |  | 1.5-2.0                                          |  |  |  |  |  |  |  |  |  |  |  | 2.5-3.8          |  |  |  |  |  |  |  |  |  |  |  | 5.0-6.3                               |  |  |  |  |  |  |  |  |  |  |  | 9.0-12    |  |  |  |  |  |  |  |  |  |  |  | 16-25     |  |  |  |  |  |  |  |  |  |  |  | 30-40     |  |  |  |  |  |  |  |  |  |  |  | 50-63       |  |  |  |  |  |  |  |  |  |  |  | 75-100      |  |  |  |  |  |  |  |  |  |  |  | 160-250     |  |  |  |  |  |  |  |  |  |  |  | रेखिक अनुपात<br>SCALE |  |  |  |  |  |  |  |  |  |  |  | 1:1       |  |  |  |  |  |  |  |  |  |  |  | आरेखण संख्या<br>DRAWING NO. |  |  |  |  |  |  |  |  |  |  |  | 1209-18.406-394                    |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| Ra $\mu m$                                                                                          |  |  |  |  |  |  |  |  |  |  |  | 0.025                                                                                                        |  |  |  |  |  |  |  |  |  |  |  | 0.05                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  | 0.1                            |  |  |  |  |  |  |  |  |  |  |  | 0.2                                              |  |  |  |  |  |  |  |  |  |  |  | 0.4              |  |  |  |  |  |  |  |  |  |  |  | 0.8                                   |  |  |  |  |  |  |  |  |  |  |  | 1.6       |  |  |  |  |  |  |  |  |  |  |  | 3.2       |  |  |  |  |  |  |  |  |  |  |  | 6.3       |  |  |  |  |  |  |  |  |  |  |  | 12.5        |  |  |  |  |  |  |  |  |  |  |  | 25          |  |  |  |  |  |  |  |  |  |  |  | 50          |  |  |  |  |  |  |  |  |  |  |  | संदर्भ / REF.         |  |  |  |  |  |  |  |  |  |  |  | 182-00044 |  |  |  |  |  |  |  |  |  |  |  | ALT. - 1                    |  |  |  |  |  |  |  |  |  |  |  | परिवर्तन संख्या<br>ALTERATION. NO. |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  | पर्ण<br>SHEET |  |  |  |  |  |  |  |  |  |  |  | 1 OF 1 |  |  |  |  |  |  |  |  |  |  |  | A4 |  |  |  |  |  |  |  |  |  |  |  |