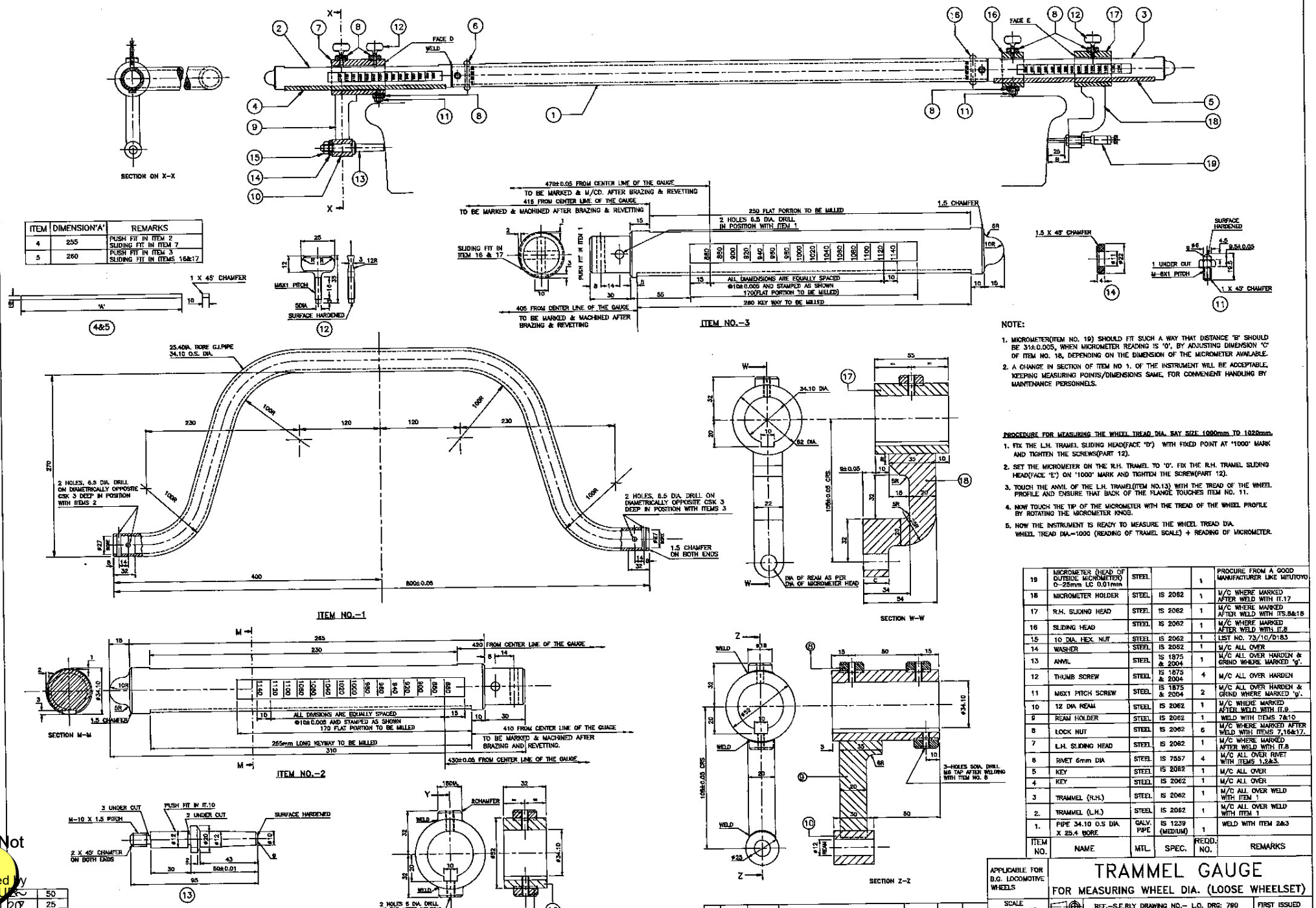

ITEM	DIMENSION'A'	REMARKS
4	255	PUSH FIT IN ITEM 2 SLIDING FIT IN ITEM 7
5	260	PUSH FIT IN ITEM 3 SLIDING FIT IN ITEMS 16&17

NOTE:

1. MICROMETER(ITEM NO. 19) SHOULD FIT SUCH A WAY THAT DISTANCE 'B' SHOULD BE 31±0.005, WHEN MICROMETER READING IS '0', BY ADJUSTING DIMENSION 'C' OF ITEM NO. 18, DEPENDING ON THE DIMENSION OF THE MICROMETER AVAILABLE.
2. A CHANGE IN SECTION OF ITEM NO 1. OF THE INSTRUMENT WILL BE ACCEPTABLE, KEEPING MEASURING POINTS/DIMENSIONS SAME, FOR CONVENIENT HANDLING BY MAINTENANCE PERSONNELS.

PROCEDURE FOR MEASURING THE WHEEL TREAD DIA. SAY SIZE 1000mm TO 1020mm.

1. FIX THE L.H. TRAMEL SLIDING HEAD(FACE 'D') WITH FIXED POINT AT '1000' MARK AND TIGHTEN THE SCREWS(PART 12).
2. SET THE MICROMETER ON THE R.H. TRAMEL TO '0'. FIX THE R.H. TRAMEL SLIDING HEAD(FACE 'E') ON '1000' MARK AND TIGHTEN THE SCREW(PART 12).
3. TOUCH THE ANVIL OF THE L.H. TRAMEL(ITEM NO.13) WITH THE TREAD OF THE WHEEL PROFILE AND ENSURE THAT BACK OF THE FLANGE TOUCHES ITEM NO. 11.
4. NOW TOUCH THE TIP OF THE MICROMETER WITH THE TREAD OF THE WHEEL PROFILE BY ROTATING THE MICROMETER KNOB.
5. NOW THE INSTRUMENT IS READY TO MEASURE THE WHEEL TREAD DIA.
   WHEEL TREAD DIA.=1000 (READING OF TRAMEL SCALE) + READING OF MICROMETER.

ITEM NO.	NAME	MTL.	SPEC.	REQD. NO.	REMARKS
19	MICROMETER (HEAD OF OUTSIDE MICROMETER) 0-25mm LC 0.01mm	STEEL		1	PROCURE FROM A GOOD MANUFACTURER LIKE MITUTOYO
18	MICROMETER HOLDER	STEEL	IS 2062	1	M/C WHERE MARKED AFTER WELD WITH IT.17
17	R.H. SLIDING HEAD	STEEL	IS 2062	1	M/C WHERE MARKED AFTER WELD WITH ITS.8&18
16	SLIDING HEAD	STEEL	IS 2062	1	M/C WHERE MARKED AFTER WELD WITH IT.8
15	10 DIA. HEX. NUT	STEEL	IS 2062	1	LST NO. 73/10/D183
14	WASHER	STEEL	IS 2062	1	M/C ALL OVER
13	ANVIL	STEEL	IS 1875 & 2004	1	M/C ALL OVER HARDEN & GRIND WHERE MARKED 'g'.
12	THUMB SCREW	STEEL	IS 1875 & 2004	4	M/C ALL OVER HARDEN
11	M6X1 PITCH SCREW	STEEL	IS 1875 & 2004	2	M/C ALL OVER HARDEN & GRIND WHERE MARKED 'g'.
10	12 DIA REAM	STEEL	IS 2062	1	M/C WHERE MARKED AFTER WELD WITH IT.9
9	REAM HOLDER	STEEL	IS 2062	1	WELD WITH ITEMS 7&10
8	LOCK NUT	STEEL	IS 2062	6	M/C WHERE MARKED AFTER WELD WITH ITEMS 7,16&17.
7	L.H. SLIDING HEAD	STEEL	IS 2062	1	M/C WHERE MARKED AFTER WELD WITH IT.8
6	RIVET 6mm DIA	STEEL	IS 7557	4	M/C ALL OVER RIVET WITH ITEMS 1,2&3.
5	KEY	STEEL	IS 2062	1	M/C ALL OVER
4	KEY	STEEL	IS 2062	1	M/C ALL OVER
3	TRAMMEL (R.H.)	STEEL	IS 2062	1	M/C ALL OVER WELD WITH ITEM 1
2.	TRAMMEL (L.H.)	STEEL	IS 2062	1	M/C ALL OVER WELD WITH ITEM 1
1.	PIPE 34.10 O.S DIA. X 25.4 BORE	GALV. PIPE	IS 1239 (MEDIUM)	1	WELD WITH ITEM 2&3

ALT.	NO.OF PLACES	REF. NO.	DESCRIPTION	ALT.NOTE NO.	SIGN.	DATE	

APPLICABLE FOR B.G. LOCOMOTIVE WHEELS

TRAMMEL GAUGE

FOR MEASURING WHEEL DIA. (LOOSE WHEELSET)

SCALE 1:2.5, 1:1.25

REF.-S.E.RLY DRAWING NO.- L.O. DRG: 780

FIRST ISSUED

SUPERSEDES

SUPERSEDED BY

INDIAN RLYS. R.D.S.O. (M.P)

DRG. NO. SKDL-4477

50	
25	
6.3	
0.8	+ SURFACE ROUGHNESS TO IS:3073
0.1	WELDING SYMBOLS TO IS : 813
Ra um (MAX)+	TOLERANCES ON UNTOLERANCED DIMENSIONS TO IS:2102 (MEDIUM)

ALL DIMENSIONS ARE IN MILIMETERS

Signature Not Verified
Digitally signed by PANKAJ JHA
Date: 2025.12.19 21:02:13 IST
Reason: IREPS-CRIS
Location: New Delhi