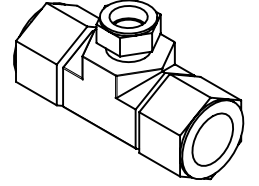
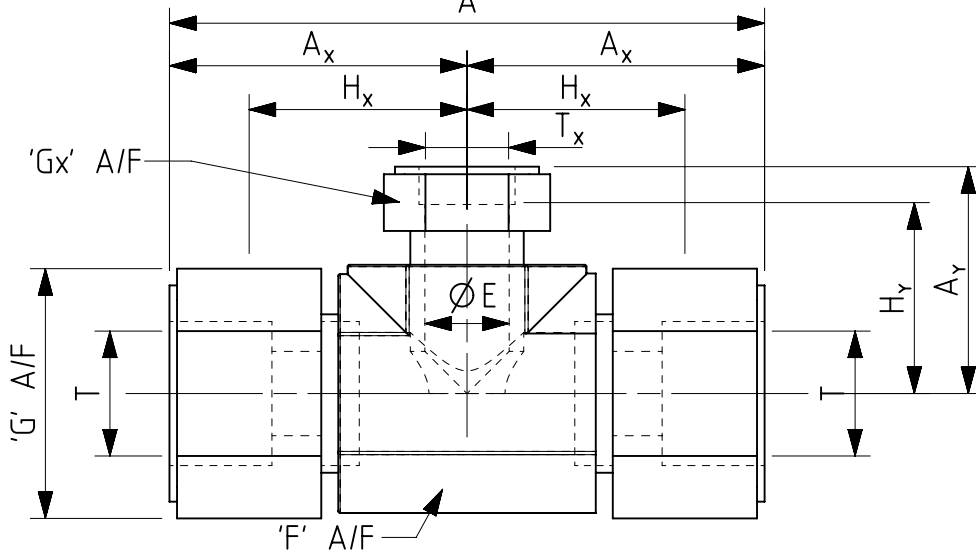


5102232/2026/O/o Dy.CEE/DKAE/CLW



SL. No.	T TUBE O.D	Tx TUBE O.D	A	Ax	Ay	Ø E MINIMUM OPENING	F A/FLAT	G HEX A/F	Gx HEX FLAT	Hx	Hy
1	38.1 (1 1/2")	25.4(1")	157.4	78.7	60	22.3	55	57.2	38.1	51.6	47.8
2	25.4(1")	12.7(1/2")	98	49	49	10.3	34.925	38.1	22	36.83	24.6

2

NOTE:








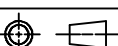
1. REMOVE ALL BURRS AND SHARP EDGES.
2. BODY AND BACKNUT ARE TO BE Zn PLATED (10 MICRON)/ PASSIVATED.
3. ALL DIMENSIONS ARE IN MM EXCEPT OTHERWISE STATED.
4. GENERAL TOLERANCES ON DIMENSIONS:

a) BELOW 25mm  $+0.5$   
-0 b) ABOVE 25mm  $+1.0$   
-0 EXCEPT T, Tx AND E

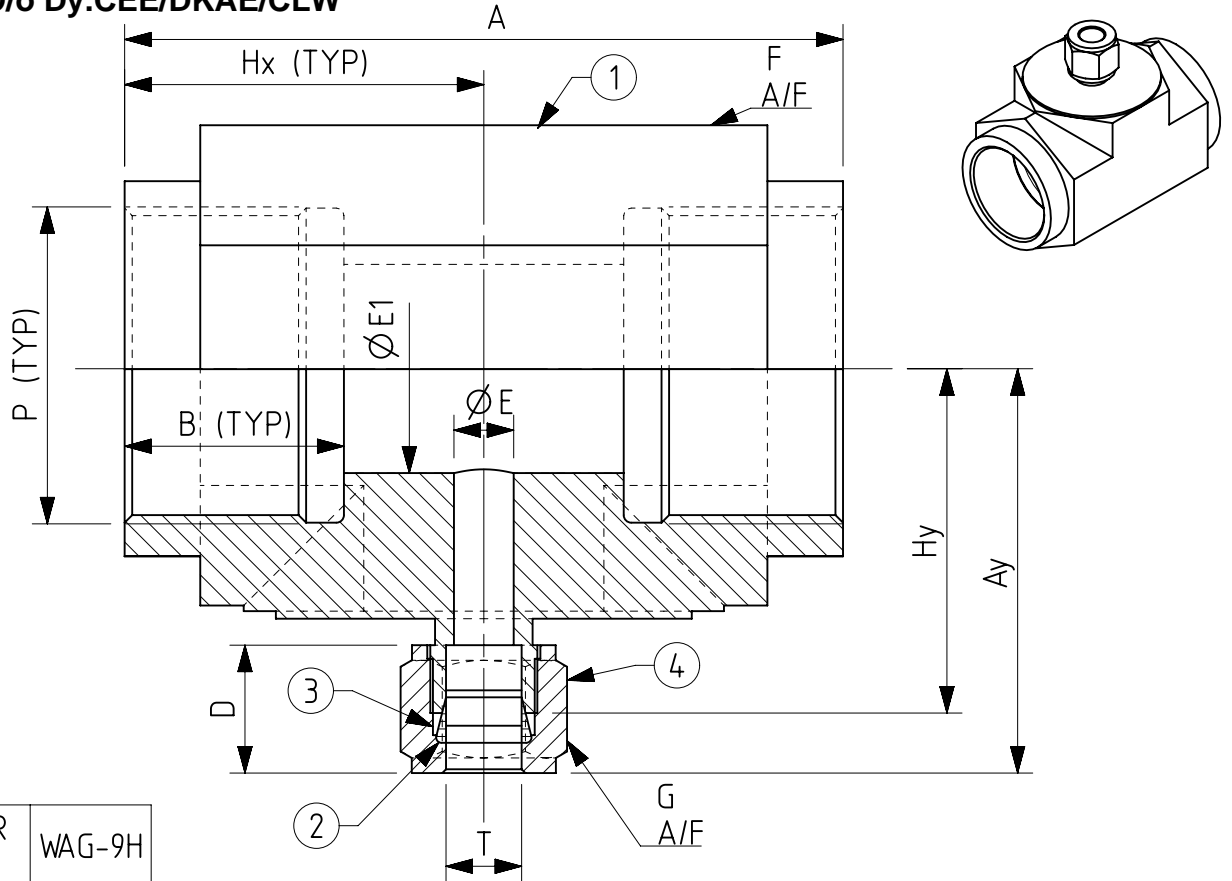
5. ISO 7/1 AND ISO 228/1 FOR TAPER AND PARALLEL THREADS RESPECTIVELY.
6. TEES ARE TO BE MACHINED FROM FORGED BLOCK AND NOT TO BE CAST.
7. THIS FITTING IS TO BE FITTED ON S.S TUBE (GR. 304) OF HARDNESS 90 HRB MAXIMUM.
8. ALL THE PARTS OF THE FITTINGS SHOULD BE CONCENTRIC AND BE CAPABLE OF SELF ALIGNMENT WHEN ASSEMBLED WITH PROPER SIZE TUBING.
9. NUTS AND FERRULES OF PARTICULAR SIZE SHALL BE INTERCHANGEABLE FOR EACH TYPE
10. DIMENSIONS A,Ax,Ay ARE TYPICAL FINGER TIGHT.

1. ALL DIMENSIONS ARE IN mm
2. C&D NO.
3. QTY./LOCO:
4. NEXT LEVEL ASSEMBLY DRG. NO.
5. USED FOR LOCO- WAG9, WAP7, WAP5

7			FRONT FERRULE	1	STAINLESS STEEL	Gr. 316	
6			BACK FERRULE	1	STAINLESS STEEL	Gr. 316	
5			BACK NUT	1	STEEL	ASTM A108	
4			FRONT FERRULE	2	STAINLESS STEEL	Gr. 316	
3			BACK FERRULE	2	STAINLESS STEEL	Gr. 316	
2			BACK NUT	2	STEEL	ASTM A108	
1			BODY	1	STEEL	ASTM A108	
निर्देश संख्या	लागत एवं वितरण संख्या	अंग आरेखण संख्या	वर्णन	मात्रा	पदार्थ	विशिष्टि	प्रति भार कि. ग्रा.
REF. NO.	C&D NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH IN K.G.

													अभिकल्पित DGN					चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA					
2	ITEM NO. 2 ADDED											24-05-19		जॉचा व.अ.अ. ALOKE KUMAR CHAKRA BORTY		Digitally signed by ALOKE KUMAR CHAKRA BORTY DN: cn=ALOKE KUMAR CHAKRA BORTY, o=INDIAN RAILWAYS, email=ALOKE.KUMAR.CHAKRA.BORTY@irco.co.in, c=IN							
1	REDRAWN IN NX WITH 3RD ANGLE PROJECTION											06-04-18		CHD SSE		समीक्षित स.वि.अ. / व.वि.अ. DATED REVIEWED AEE / SEE		Pradeep Khatana Digitally signed by Pradeep Khatana DN: cn=Pradeep Khatana, o=INDIAN RAILWAYS, email=PRADEEP.KHATANA@irco.co.in, c=IN		पदार्थ MATL		प्रति भार कि. ग्रा. WT. EACH IN KG	
परिवर्तन संख्या ALT.NO.	प्राधिकार AUTHY	वर्णन DESCRIPTION										दिनांकित बाह्य INITIAL						विशिष्टि SPECN					
सतह - रुखाता का मान मा. 3073 / अ. मा. सं. 1302 SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302		अनिर्दिष्ट सद्य - सीमा मा. मा. : 2102 / अ. मा. सं. : 2768 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768										TOL. CLS.		अनुमोदित स.यु.वि.अ. APPROVED DYCEE		ARUP KUMAR MITRA Digitally signed by ARUP KUMAR MITRA DN: cn=ARUP KUMAR MITRA, o=INDIAN RAILWAYS, email=ARUP.KUMAR.MITRA@irco.co.in, c=IN		वर्णन					
		धातु-वैलन चिह्न मा. मा. : 813 / अ. मा. सं. : 2553 WELDING SYMBOLS TO IS:813 / ISO:2553												दिनांक DATE		15-09-20		DESCRIPTION					
पदांक GRADE NO.	सं1 N1	सं2 N2	सं3 N3	सं4 N4	सं5 N5	सं6 N6	सं7 N7	सं8 N8	सं9 N9	सं10 N10	सं11 N11	सं12 N12	रैखिक अनुपात SCALE		1:2		आरेखण संख्या DRAWING NO.						
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 μm	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50											
चिह्न SYMBOL													संदर्भ / REF. 182-00531		ALT. - 0				परिवर्तन संख्या ALTERATION. NO.				
																	2		पृष्ठ SHEET				
																	1 OF 1		A4				

5102232/2026/O/o Dy.CEE/DKAE/CLW

USED FOR  
LOCO

WAG-9H

T TUBE OD (MM)	P BSPP (F)	A	Ay	B	D	Ø E	Ø E1	G A/F	F A/F	Hx	Hy	FCPL PART NUMBER
10	1 1/4	95	53.91	29.0	16.91	7.9	27.6	19.05	55	47.5	46.5	STRF 10-20 Rp-SPL.CS

NOTE:-

ALL DIMENSIONS ARE IN 'MM' UNLESS OTHERWISE SPECIFIED.

4		NUT	1	CS	ASTM A108	
3		FRONT FERRULE	1	SS 316	ASTM A 276 TP SS316	
2		BACK FERRULE	1	SS 316	ASTM A 276 TP SS316	
1		BODY	1	CS	ASTM A105	
निर्देश संख्या	अंग आरेखण संख्या	वर्णन	मात्रा	पदार्थ	विशिष्ट	प्रति भार कि. ग्रा.
REF. NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH IN K.G.

अभिलेखित  
DGN

जॉचा व.अ.

समीक्षित  
स.वि.अ. / व.वि.अ.  
REVIEWED AEE / SEEअनुमोदित उ.पु.वि.अ.  
APPROVED DYCEEदिनांक  
DATEरेखिक अनुपात  
SCALE

संदर्भ / REF.

ALT. - 0

चित्तारंजन रेलइंजन कारखाना  
CHITTARANJAN LOCOMOTIVE WORKS, INDIAपदार्थ  
MATLविशिष्ट  
SPECN

वर्णन

DESCRIPTION

आरेखण संख्या

DRAWING NO.

परिवर्तन संख्या  
ALTERATION. NO.

1

पृष्ठ  
SHEET

1 OF 1

A4

1		REDRAWN IN NX WITH 3RD ANGLE PROJECTION	21-11-17
परिवर्तन संख्या ALT.NO.	प्राधिकार AUTHY	वर्णन DESCRIPTION	दिनांकित बाह्य DATED INITIAL
सतह - रक्षा का मान मा. मा. 3073 / अ. मा. सं. 1302	अतिरिक्त सद्य - सीमा मा. मा. : 2102 / अ. मा. सं. : 2768	UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768	TOL. CLS.
SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302	धातु-वेल्डन चिह्न मा. मा. : 813 / अ. मा. सं. : 2553	WELDING SYMBOLS TO IS:813 / ISO:2553	
पदांक GRADE NO.	सं1 N1	सं2 N2	सं3 N3
	सं4 N4	सं5 N5	सं6 N6
	सं7 N7	सं8 N8	सं9 N9
	सं10 N10	सं11 N11	सं12 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 μm	0.025	0.05	0.1
	0.2	0.4	0.8
	1.6	3.2	6.3
	12.5	25	50
चिह्न SYMBOL			

REDUCING TEE

1209-18.406-258