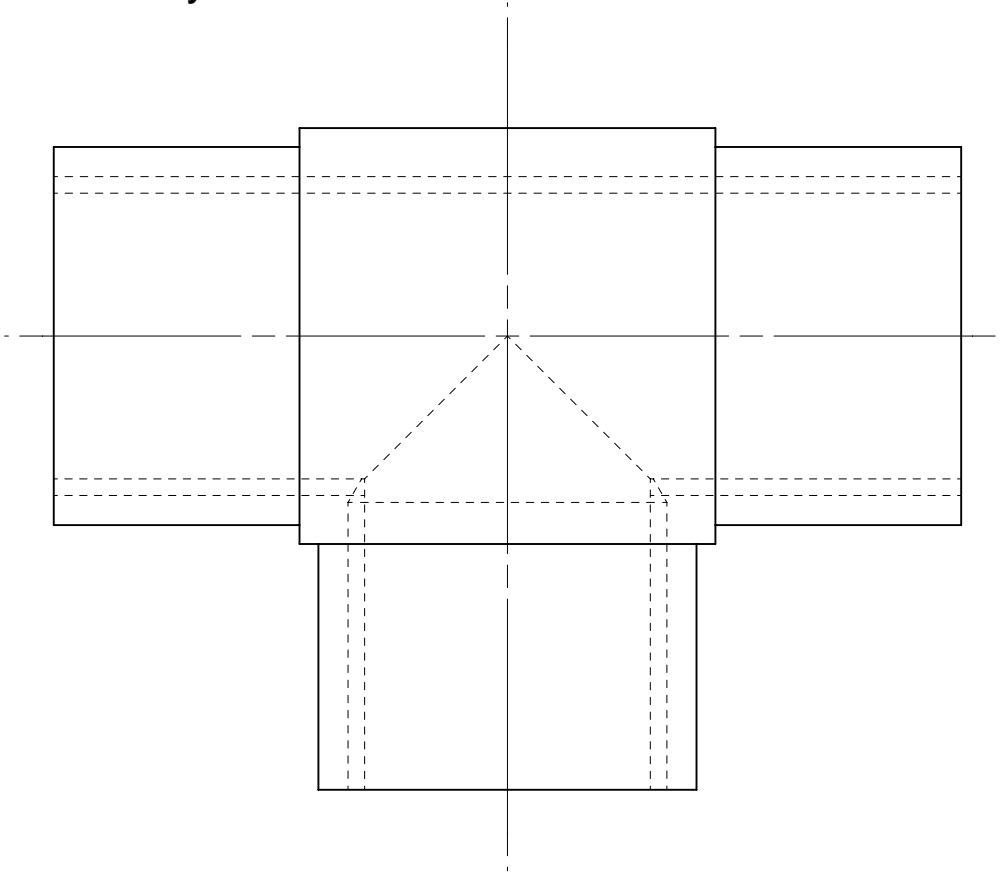
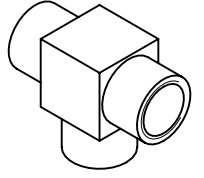


4987119/2026/O/o Dy.CEE/DKAE/CLW



REF.NO.	THREAD BSP
1.	1 1/4" FTT
2.	1 1/2" FTT

NOTE:-







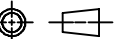
1. REMOVE ALL BURRS & SHARP EDGES.

2. REF.1 IS APPLICABLE FOR WAP/5 AND

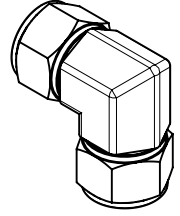
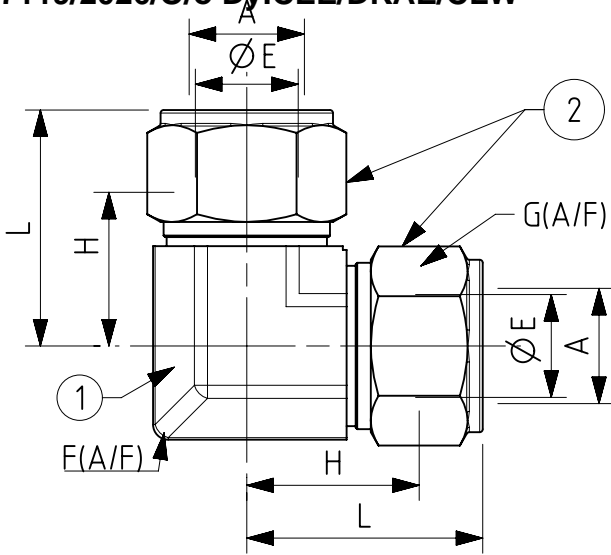
REF 1&2 ARE APPLICABLE FOR WAG/9 ONLY.

USED FOR LOCOS WAP-5,WAG-9

2		BSP THREADED TEE FTT	3	ST.ST.	GR. 316	
1		BSP THREADED TEE FTT	3	STAINLESS STEEL	GR. 316	
निर्देश संख्या	अंग आरेखण संख्या	वर्णन	मात्रा	पदार्थ	विशिष्टि	प्रति भार कि. ग्रा.
REF. NO.	PART DRG. NO.	DESCRIPTION	QTY./ LOCO	MATL	SPECN	WT. EACH IN K.G.

												अधिकल्पित DGN						चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA	
2		REDRAWN IN NX WITH 3RD ANGLE PROJECTION.								10-06-11		जॉका व.अ.अ. CHD SSE		ALOKE KUMAR CHAKRA BORTY <small>Digitally signed by ALOKE KUMAR CHAKRA BORTY Date: 2020.11.10 12:02:53 +05'30'</small>					
1		AME/D&D		NOTE 2 AND CLASS OF LOCO WAP/5 ADDED.								19-04-99				पदार्थ MATL		प्रति भार कि. ग्रा. WT. EACH IN KG	
परिवर्तन संख्या ALT.NO.		प्राधिकार AUTHY		वर्णन DESCRIPTION								दिनांकित बाह्य DATED INITIAL		समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE		Pradeep Khatana <small>Digitally signed by Pradeep Khatana Date: 2020.11.23 18:10:04 +05'30'</small>		विशिष्टि SPECN	
सतह - रूखाता का मान वा. मा. 3073 / अ. मा. सं. 1302 <small>SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302</small>		अनिर्दिष्ट सद्य - सीमा वा. मा. : 2102 / अ. मा. सं. : 2768 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768								TOL. CLS.		अनुमोदित उ.मु.वि.अ. APPROVED DYCEE		ÂRUP KUMAR MITRA <small>Digitally signed by ÂRUP KUMAR MITRA Date: 2020.11.24 18:34:32 +05'30'</small>		वर्णन DESCRIPTION		BSP THREADED TEE FTT	
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	दिनांक DATE		24-09-20			
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 SCALE		1:1		आरेखण संख्या DRAWING NO.	
Ra μ 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.				परिवर्तन संख्या ALTERATION. NO.	
चिन्ह SYMBOL														182-00417		ALT. -			
																		परिवर्तन संख्या ALTERATION. NO.	
																		2	
																		पृण SHEET	
																		1 OF 1	
																		A4	

4987119/2026/O/o Dy.CEE/DKAE/CLW




SL.NO	'A' TUBE OD IN	L	Ø E MIN	F (A/F)	G (A/F)	H
1	1-1/2"	78	34	55	57	50.8

ORIGINAL SUPPLIER-SWAGELOK/USA
USED FOR LOCO WAP-5

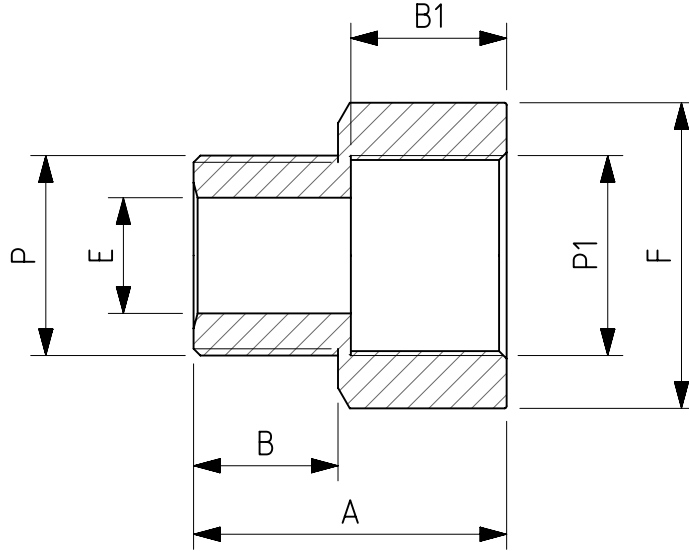
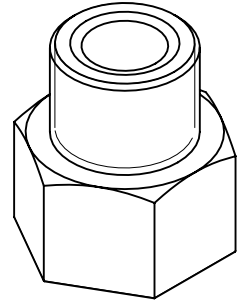
NOTE:

1. REMOVE ALL BLURR'S & SHARP EDGES.
2. ALL DIMENSIONS ARE IN mm EXCEPT OTHERWISE STATED.
3. BODY & BACKNUTS ARE TO BE ZINC PLATED(10 MICRONS)/PASSIVATED.
4. DIMENSION 'L' IS TYPICAL FINGER TIGHT.
5. GENERAL TOLERANCE ON DIMENSIONS: (a)BELOW 25 mm $+0.5$
 -0
(b)ABOVE 25 mm $+1$
 -0 EXCEPT 'A'.
6. ISO 7/1 & ISO 228/1 FOR TAPER & PARALLEL THREADS RESPECTIVELY.
7. THIS FITTINGS IS TO BE SWAGED ON S.S TUBES(GR. 304) OF HARDNESS 90HRB MAXIMUM.
8. ALL THE PARTS OF THE FITTINGS SHOULD BE CONCENTRIC AND BE CAPABLE OF SELF-ALIGNMENT WHEN ASSEMBLED.
9. NUTS & FERRULES OF PARTICULAR SIZE SHALL BE INTERCHANGEABLE FOR EACH TYPE.

4		FRONT FERRULE	2	S.S	GR. 316	
3		BACK FERRULE	2	S.S	GR. 316	
2		BACK NUT	2	CARBON STEEL	ASTM A108	
1		BODY	1	CARBON STEEL	ASTM A108	
निर्देश संख्या	अंग आरेखन संख्या	वर्णन	मात्रा	पदार्थ	विशिष्टि	प्रति भार कि. ग्रा.
REF. NO.	PART DRG. NO.	DESCRIPTION	QTY	MATL	SPECN	WT. EACH IN K.G.

													अभिकल्पित DGN			चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA			
2		REDRAWN IN NX WITH 3RD ANGLE PROJECTION							25-02-11		जॉचा व.अ.अ.	MANOJ KUMAR SAGAR <small>Digitally signed by MANOJ KUMAR SAGAR Date: 2021.04.22 15:11:19 +05'30'</small>	पदार्थ MATL	प्रति भार कि. ग्रा. WT. EACH IN KG					
1	AME/D&D	DIMENSIONS L TO H & NOTE 4 TO 9 ADDED.							17.05.04		CHD SSE	समीक्षित स.वि.अ. / व.वि.अ. DATED REVIEWED AEE / SEE	Pradeep Khatang <small>Digitally signed by Pradeep Khatang Date: 2021.07.16 11:51:28 +05'30'</small>	विशिष्टि SPECN					
परिवर्तन संख्या ALT.NO.	प्राधिकार AUTHY	वर्णन DESCRIPTION							दिनांकित बाह्य INITIAL		अनुमोदित उ.मु.वि.अ. APPROVED DYCEE	SYAMA PRASAD PATRA <small>Digitally signed by SYAMA PRASAD PATRA Date: 2021.08.03 11:56:28 +05'30'</small>	वर्णन						
सतह - रूखाता का मान मा. 3073 / अ. मा. सं. 1302 <small>SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302</small>	अनिर्दिष्ट सद्य - सीमा मा. मा. : 2102 / अ. मा. सं. : 2768 <small>UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768</small>								TOL. CLS.		दिनांक DATE	24-09-20	DESCRIPTION						
		धातु-वेल्डन चिह्न मा. मा. : 813 / अ. मा. सं. : 2553 <small>WELDING SYMBOLS TO IS:813 / ISO:2553</small>									रैखिक अनुपात SCALE	1:2	आरेखन संख्या DRAWING NO.	1209-18.406-167					
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																			

4987119/2026/O/o Dy.CEE/DKAE/CLW












NOTE:

1. REMOVE ALL BURS & SHARP EDGES
2. DIMENSIONS ARE IN MM EXCEPT OTHERWISE STATED.
3. USED FOR LOCO WAG-9HC

INCH SIZE TUBING

DRAWING No.	P BSP (M)	P1 BSP (F)	A	B	B1	Ø E	F (A/F)
1209-18.406-176	3/4"	3/4"	41.4	19.1	20.6	15.3	35

													अभिकल्पित DGN				 चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA																					
													जॉचा व.अ.अ. CHD SSE		SUBHAN KAR KUMBH AKAR <small>Digitally signed by SUBHAN KAR KUMBHAKAR DN: cn=SUBHAN KAR, c=IN, o=2002.11.12 17.28.03 +05'30'</small>																							
1	REDRAWN IN NX WITH 3RD ANGLE PROJECTION					27-10-10			समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE				पदार्थ MATL		STAINLESS STEEL		प्रति भार कि. ग्रा. WT. EACH IN KG																					
परिवर्तन संख्या ALT.NO.	प्राधिकार AUTHY		वर्णन DESCRIPTION					दिनांक DATED INITIAL		अनुमोदित उ.पु.वि.अ. APPROVED DYCEE		SYAMA PRASAD PATRA <small>Digitally signed by SYAMA PRASAD PATRA, DN: cn=SYAMA PRASAD PATRA, c=IN, o=2002.11.12 13.28.03 +05'30'</small>		विशिष्ट SPECN		ASTM A108																						
सतह - रूखाता का मान भा. मा. 3073 / अ. मा. सं. 1302 <small>SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302</small>			अनिर्दिष्ट सद्य - सीमा भा. मा. : 2102 / अ. मा. सं. : 2768 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768					TOL. CLS.		दिनांक DATE		14-10-09		वर्णन DESCRIPTION		BSPP THREADED REDUCING BUSH (M/F)																						
धातु-वेल्डन चिन्ह भा. मा. : 813 / अ. मा. सं. : 2553 WELDING SYMBOLS TO IS:813 / ISO:2553														रैखिक अनुपात SCALE		1:1		आरेखण संख्या DRAWING NO.		1209-18.406-176																		
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			
चिन्ह SYMBOL																													परिवर्तन संख्या ALTERATION. NO.		1		पर्ण SHEET		1 OF 1		A4	