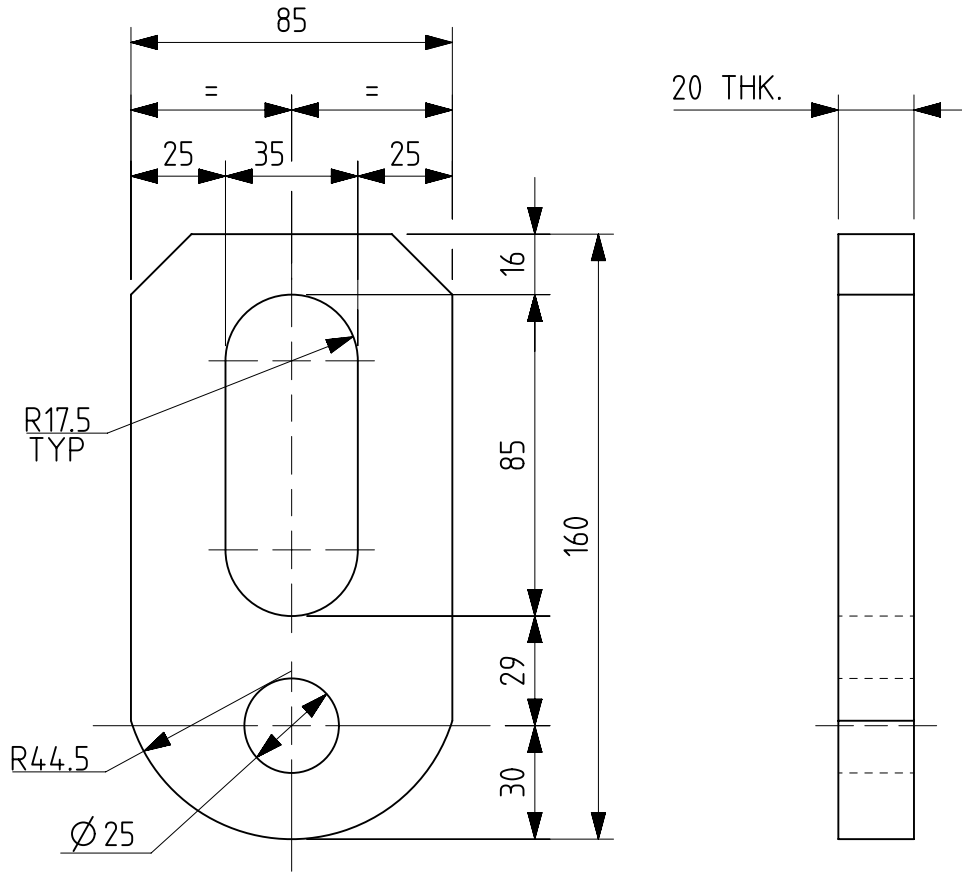












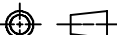
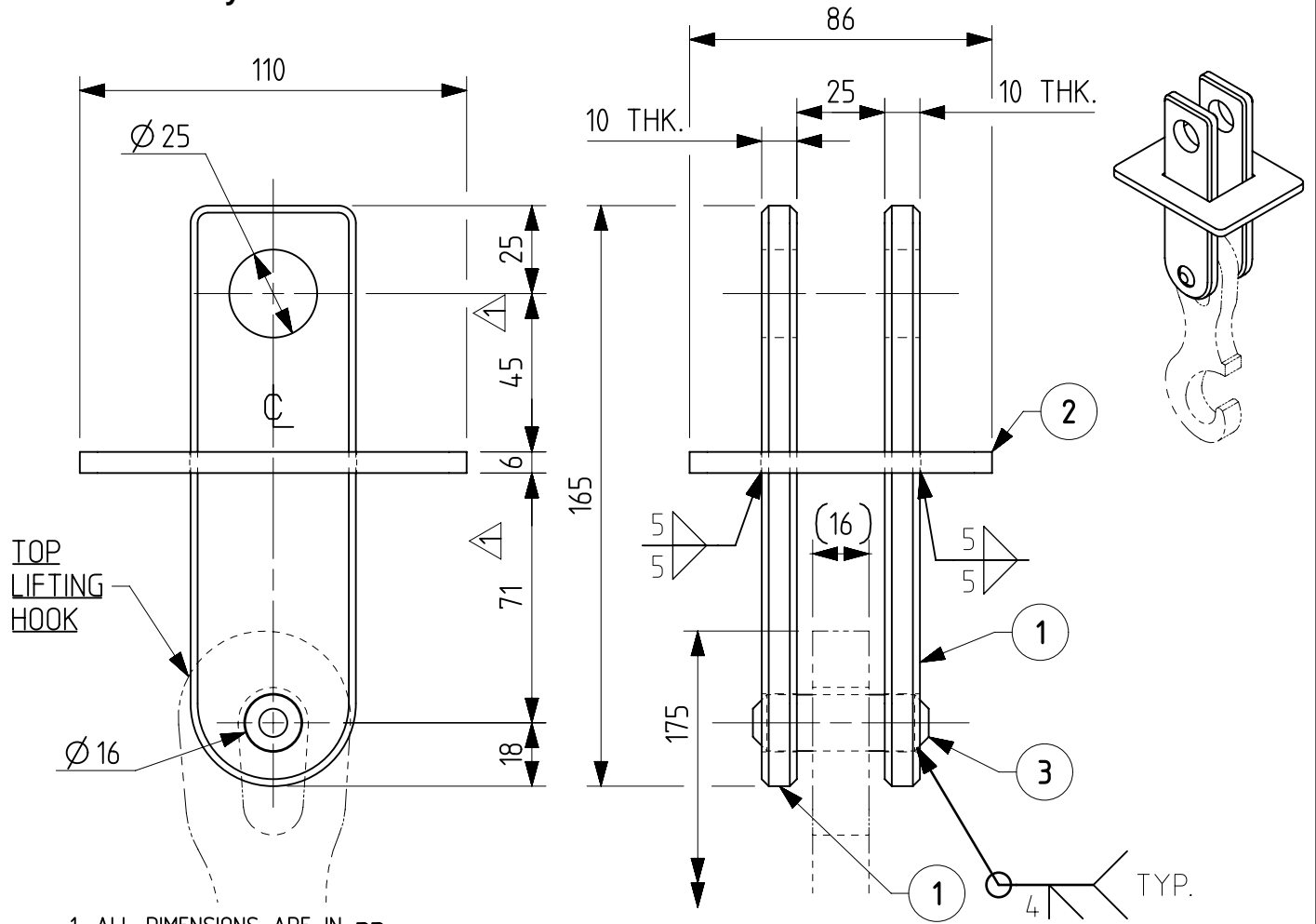


SURFACE ROUGHNESS Ra VALUES IN  $\mu m$ 

1. ALL DIMENSIONS ARE IN mm
2. ITEM SHALL BE CLEANED AFTER FABRICATION AND TWO COATS OF RED COAT ENAMEL PAINT TO BE APPLIED.
3. ALL EDGES TO BE ROUND FINISH.
4. REF. DRG. NO. SR.DEE/RS/ED/TECH/103 DT. 10.06.2014 AND SUCCESSFUL TRIAL FITMENT AT LOCO NO. TGHC-2241
5. NEXT LEVEL ASSEMBLY DRG. NO. 1209-02.341-124
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









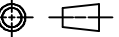
C&D NO.	QTY/LOCO
T320/	02

												अभिकल्पित DGN				<div></div> <div>चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA</div>																			
												जॉचा व.अ.अ. CHD SSE		Digitally signed by RAJEEV KUMAR Date: 2023.09.27 17:17:45 +05'30'		पदार्थ MATL		STEEL		प्रति भार कि. ग्रा. WT. EACH IN KG		1.48													
0										समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE				विशिष्ट SPECN				IS:2062:2011 Gr. E-250 CU QUALITY-C KILLED NORMALISED																	
परिवर्तन संख्या ALT.NO.		प्राधिकार AUTHY		वर्णन DESCRIPTION				दिनांकित बाह्य DATED INITIAL		अनुमोदित उ.यु.वि.अ. APPROVED DYCEE		SYAMA PRASAD PATRA Digitally signed by SYAMA PRASAD PATRA Date: 2023.09.29 11:22:17 +05'30'		वर्णन DESCRIPTION				LINK FOR TOP OPERATED E-TYPE CBC HANDLE																	
सतह - रूखाता का मान वा. मा. 3073 / अ. मा. सं. 1302 SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302		अनिर्दिष्ट सद्य - सीमा वा. मा. : 2102 / अ. मा. सं. : 2768 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768				TOL. CLS.				दिनांक DATE		21-01-22																							
		धातु-वेल्डन चिन्ह वा. मा. : 813 / अ. मा. सं. : 2553 WELDING SYMBOLS TO IS:813 / ISO:2553								रैखिक अनुपात SCALE		1:2		आरेखण संख्या DRAWING NO.				1209-02.441-120																	
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 $\mu m$		0.025		0.05		0.1		0.2		0.4		0.8		1.6		3.2		6.3		12.5		25		50											
चिन्ह SYMBOL																																			
																										संदर्भ / REF.									
																										ALT. -									
																										<div></div>									
																										परिवर्तन संख्या ALTERATION. NO.		0		पर्ण SHEET		1 OF 1		A4	

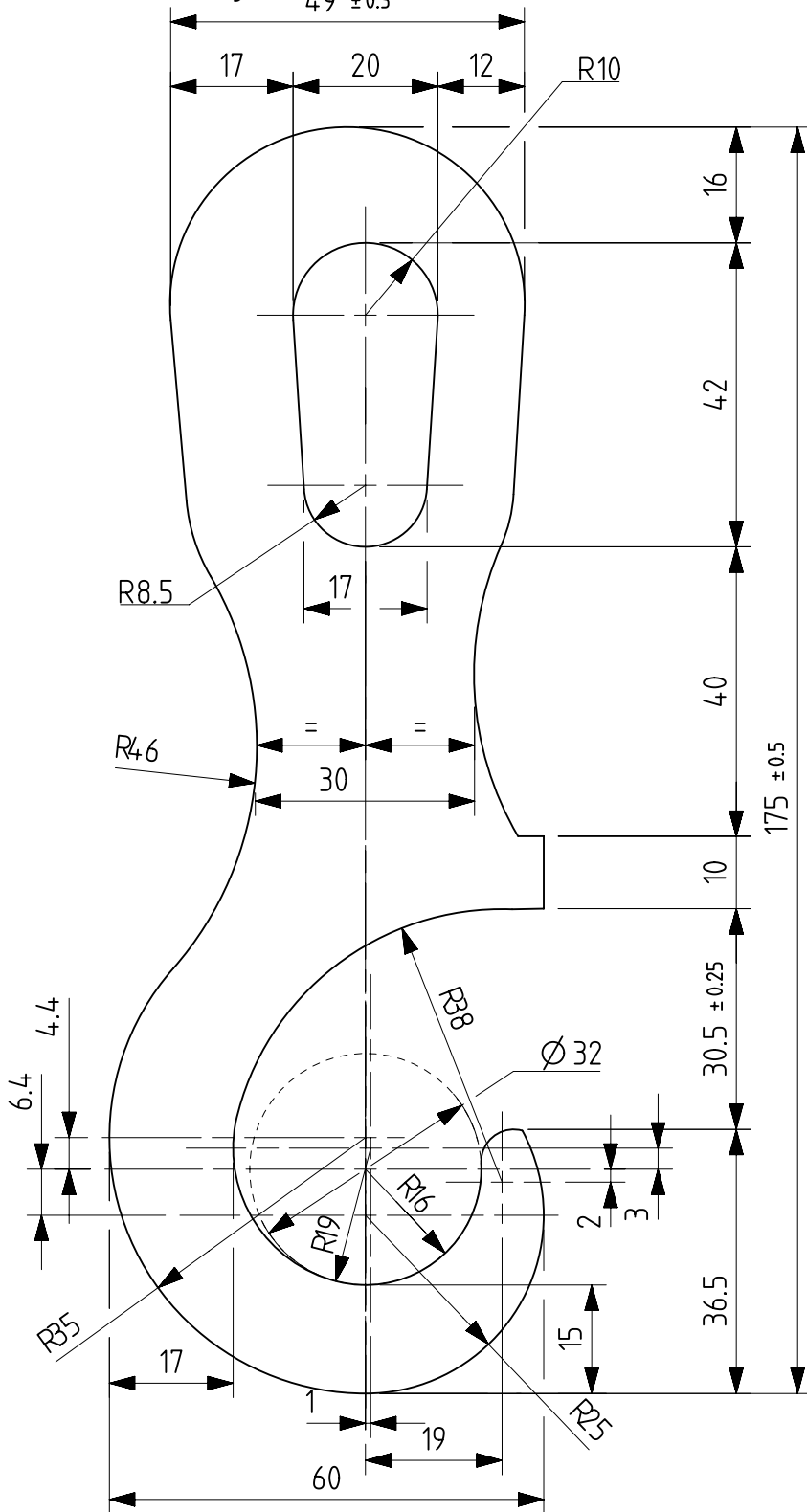


- ALL DIMENSIONS ARE IN mm
- REF. DRG. NO. SR.DEE/RS/ED/TECH/103 DT. 10.06.2014 AND SUCCESSFUL TRIAL FITMENT AT LOCO NO. TGHC-2241
- WELDING OF ITEM NO. 3 TO BE DONE WITH ITEM NO. 1 AFTER POSITIONING THE TOP LIFTING HOOK TO ASSEMBLY
- NEXT LEVEL ASSEMBLY DRG. NO. 1209-02.341-124
- QTY /LOCO- 02, C&D NO.-T320/066
- UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

3	/	1209-02.441-125	PIN- Ø 16X50 LG.	1	STEEL	IS:2062:2011 Gr. E-250 CU QUALITY-C KILLED NORMALISED	0.07
2	/	1209-02.441-126	PLATE 110X86X6 THK.	1	STEEL	IS:2062:2011 Gr. E-250 CU QUALITY-C KILLED NORMALISED	0.34
1	/	1209-02.441-127	PLATE 165X47X10 THK.	2	STEEL	IS:2062:2011 Gr. E-250 CU QUALITY-C KILLED NORMALISED	0.52
निर्देश संख्या	लागत एवं वितरण संख्या	अंग आरेखण संख्या	वर्णन	मात्रा	पदार्थ	विशिष्ट	प्रति भार कि. ग्रा.
REF. NO.	C&D NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH IN K.G.

													अधिकृतित DGN						चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA					
1	DY.CEE/ D-III		DIMNS. 71 AND 45 WERE 96 AND 20 RESPECTIVELY.												जॉका व.अ.अ. CHD SSE		Bikash Naik  Digitally Signed by Bikash Naik Date: 2024.03.29 13:12:17 +05'30'		पदार्थ MATL		प्रति भार कि. ग्रा. WT. EACH IN KG		1.45	
परिवर्तन संख्या ALT.NO.		प्राधिकार AUTHY		वर्णन DESCRIPTION								दिनांकित बायक DATED INITIAL		समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE				विशिष्ट SPECN						
सतह - रूखाता 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 धातु-वेल्डन चिन्ह मा. मा. : 813 / अ. मा. सं. : 2553 WELDING SYMBOLS TO IS:813 / ISO:2553										TOL. CLS.		अनुमोदित उ.पु.वि.अ. APPROVED DYCEE		AMIT AGGARWAL  Digitally signed by AMIT AGGARWAL Date: 2024.03.29 16:11:54 +05'30'		वर्णन DESCRIPTION		TOP LIFTING ASSLY. FOR TOP OPERATED HANDLE FOR E- TYPE CBC		
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		24-01-22								
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		1:2		आरेखण संख्या DRAWING NO.						
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.										
चिन्ह SYMBOL																ALT -				परिवर्तन संख्या ALTERATION. NO.				
																		1	पर्ण SHEET 1 OF 1	A4				













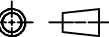
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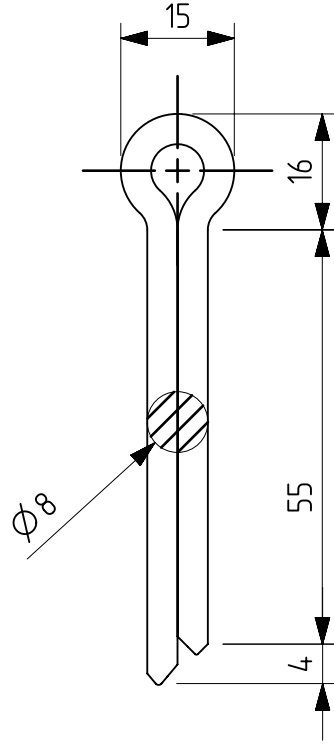


16 THK.


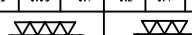
SIDE VIEW  
SCALE 1:2

1. ALL DIMENSIONS ARE IN mm
2. ITEM SHALL BE CLEANED AFTER FABRICATION AND TWO COATS OF RED COAT ENAMEL PAINT TO BE APPLIED.
3. ALL EDGES TO BE ROUND FINISH.
4. REF. DRG. NO. SR.DEE/RS/ED/TECH/103 DT. 10.06.2014 AND SUCCESSFUL TRIAL FITMENT AT LOCO NO. TGH-2241
5. NEXT LEVEL ASSEMBLY DRG. NO. 1209-02.341-124
6. QTY / LOCO - 02
7. UNSPECIFIED TOLERANCE IN THE DIMENSIONS MENTIONED AT DRAWINGS TO BE FOLLOWED AS PER IS:2102 (PART 1):1993-TOLERANCE CLASS-MEDIUM OF TABLE-1

												अभिकल्पित DGN				<div></div> <div>चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA</div>											
												जॉचा व.अ.अ. CHD SSE		Abu Naser <div><div>Digitally signed by Abu Naser Date: 2024.11.22 12:56:57 +05'30'</div></div>		पदार्थ MATL		STEEL		प्रति भार कि. ग्रा. WT. EACH IN KG		0.70					
1		DY.CEE/D-III		DRAWING MODIFIED.										परिवर्तन संख्या ALT.NO.		प्राधिकार AUTHY		वर्णन DESCRIPTION		दिनांकित शायद DATED INITIAL		समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE					
सतह - रफता का मान भा. मा. 3073 / अ. भा. सं. 1302		अनिर्दिष्ट सह - सीमा भा. मा. : 2102 / अ. भा. सं. : 2768		UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768								TOL. CLS.		अनुमोदित उ.मु.वि.अ. APPROVED DYCEE		AMIT AGGARWAL <div><div>Digitally signed by AMIT AGGARWAL Date: 2024.11.22 13:01:44 +05'30'</div></div>		विशिष्ट SPECN		IS:2062:2011 Gr. E-250 QUALITY-C KILLED NORMALISED		वर्णन DESCRIPTION		TOP LIFTING HOOK FOR TOP OPERATED HANDLE FOR E-TYPE CBC			
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 $\mu m$		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.		ALT -		<div></div>		परिवर्तन संख्या ALTERATION. NO.		1		पृण SHEET		1 OF 1		A4	



1. ALL DIMENSIONS ARE IN mm.
2. NEXT ASSEMBLY DRG. NO.-1209-02.341-124
3. C&D NO-T320/068
4. QTY./LOCO-2 NOS.
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
6. ITEM SHOULD BE ZINC PASSIVATED.

परिवर्तन संख्या ALT.NO.		प्राधिकार AUTHY	वर्णन DESCRIPTION		दिनांकित बाह्य DATED INITIAL	अधिकृत DGN	 चित्तरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA							
सतह - रूखाता का मान मा. मा. 3073 / अ. मा. सं. 1302		अनिर्दिष्ट सद्य - सीमा मा. मा. : 2102 / अ. मा. सं. : 2768		TOL. CLS.		समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE	SHIB NARAYAN KUNDU	पदार्थ MATL						
SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302		धातु-वेल्डन चिन्ह मा. मा. : 813 / अ. मा. सं. : 2553		WELDING SYMBOLS TO IS:813 / ISO:2553		अनुमोदित स.यु.वि.अ. APPROVED DYCEE	AMIT AGGARWAL	प्रति भार कि. ग्रा. WT. EACH IN KG						
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	विशिष्ट SPECN
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	IS:549:2005	
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	वर्णन DESCRIPTION	
चिन्ह SYMBOL													पिन स्प्लिट डिया 8 - 55 LG.	
रैखिक अनुपात SCALE													1:1	
संदर्भ / REF.													आरेखण संख्या DRAWING NO.	
1209-18.406-231													परिवर्तन संख्या ALTERATION. NO.	
ALT. - 0													पृष्ठ SHEET	
1 OF 1													A4	