No.14011

Date: 15-02-21

ANYANG GENERAL INTERNATIONAL CO.,LTD CERTIFICATE OF QUALITY

This is to certify that the products under Contract

have met

AREMA Section 2.8 specifications for quenched carbon steel joint bars.

Description: 115RE head free toeless, 6 hole 36" joint bars punched round, oval alternating for 1" track bolts. Hole spacing 6 "×6"×7-1/8"×6"×6"

Ex-work Date: Feb 2015

Inspector Checking

In Charg

TEST REPORT

Joint bar Mark: 115-119RE AY CHINA

Material No. 50 steel

No./ S	Heat Treatment No.	Quantity (pairs)	Chemical Composition				Mechanical Property					
			C %	Mn %	P %	S %	Tensile Strength Min 690MPa	Yield Point Min 483MPa	Elongation Min 12%	Reduction of Area Min 25%	Bent cold through 90 Deg	
1	6200114	200	0.50	0.66	0.022	0.021	850	560	17	32	qualified	
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ANYANG GENERAL INTERNATIONAL CO.,LTD Product Certificate

名 称	钢轨接头夹板
名 称 Name	RAIL JOINT BAR
見格 Size .	115RE
示准 Strd	AREMA Manual For Railway Engineering
质量 Q.C.	Qualified
效量 Q'ty	200Pairs
金验 Insp	
日期 Date	2015-02-21

ANYANG GENERAL INTERNATIONAL CO.,LTD Product Certificate

名 称 Name	钢 轨 接 头 夹 板 RAIL JOINT BAR
20000000	132RE
规格 Size	
标准 Strd	ARMEA Manual For Railway Engineering
质量 Q.C.	Qualified
数量 Q′ty	200Pairs
检验 Insp	THE STATE OF THE S
日期 Date	2015-02 21

ASDS/04-75

No. 14011 Date: 15-02-21

ANYANG GENERAL INTERNATIONAL CO.,LTD AN INSPECTING REPORT FOR THE GEOMETRIC FORMATION OF JOINT BAR

Description: Joint bar for 115RE Rail, head free toeles, 6 holes 36" joint bars punched, round oval alternating for 1"oval neck track bolts. Hole spaceing $6.1\%6\% \times 7-1/8\%$ ×6"×6".

Ex-work Date: Feb 2015
Heat treatment: 6200114

Contract No. ____

Inspector: Checking:

In Charge:

Inspecting Items	Standard	Tolerance	1	2	3	4	
Size of hole	dia 1-1/16" 1-1/16"×1- 13/32"	±1/32"	qualified	qualified	qualified	qualified	
Hole spacing on centre line of bolt hole	6 "×6"×7-1/8"×6"×6"	±1/16"	qualified	qualified	qualified	qualified	
Hole height on vertical line of bolt	2-21/64"	2-21/64" $\pm 1/32$ " qualified qualified qu		qualified	qualified		
Height of bar	4-11/16"	±1/32"	qualified	qualified	qualified	qualified	
Length of web	36"	±1/8"	915mm	914mm	914mm	915mm	
Thickness of web	5/8"	±1/32"	15.9mm	15.8mm	15.7mm	15.9mm	
Camber in either plane		±1/16"	0.4mm	0.5mm	0.3mm	0.4mm	
Depth at head easement	Max 5/64" Min 0.05"		qualified	qualified	qualified	qualified	
Width at head easement		,	qualified	qualified	qualified	qualified	
Vorking surface defects		±1/64"	qualified	qualified	qualified	qualified	

NO.: 14011

Date: 15-02-21

ANYANG GENERAL INTERNATIONAL CO.,LTD CERTIFICATE OF QUALITY

This is to certify that the products under Contract

have met

AREMA Section 2.8 specifications for quenched carbon steel joint bars.

Description: 132RE head free toeless, 6 hole 36" joint bars punched round, oval alternating for 1 " track bolts. Hole spacing 6 "×6"×7-1/8"×6"×6"

Ex-work Date: Feb 2015

Inspector Checking In Char

TEST REPORT

Material:

50"steel

Joint bar Mark: 132-136RE AY CHINA

No:/S	Heat Treatment No:	Quantity (pairs)	Chemical Composition				Mechanical Property					
			C %	Mn %	P %	s %	Tensile Strength Min 690 MPa	Yield Point Min483 MPa	Elongation Min 12%	Reduction of Area Min 25%	Bent cold through 90 Deg	
1	2190713	200	0.52	0.62	0.023	0.034	825	575	16	35	qualified	
14.0												
										-		
			100	9.9						lea.		
							1				1	