



# INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (669731-A)

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Quality Management System is certified under ISO 9001. Approval No.: 0047996  
 PED 7014/66/EU Annex 1 Clause 4.3  
 Cert. No.: 03-43/PED/MUM/CS10070/1

## WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Certificate No: PSI 137267-01  
 Date: 12-May-2022

Purchaser:

Order No.	Invoice No.	Starting Material	Specification for Fittings - Seamless	Specification for Inspection											
71274	E000016772	Seamless Pipe	ASTM A234 -10 WPB / ASME SA234 -21 WPB NACE MR0103-15/ NACE MR0175/ISO15156-15*	ASME B16.9 - 18 / ASTM A960 - 20											
Batch No.	Product & Size	Quantity (pcs)	Visual Examination	Dimensional Inspection	Heat Treatment	Magnetic Particle Testing									
A0207	4" 90 DEG SR STD ELBOW	40	GOOD	GOOD	H	N/A									
Z409	10" 90 DEG SR XS ELBOW	6	GOOD	GOOD	H	N/A									
Specification	Chemical Composition (%)						Tensile Test <sup>1</sup>		Hardness						
Min	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	YS	TS	E <sup>2</sup>	1	2
Max	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000	(KSI/MPa)	(%)			
Batch No.	30	10	106	50	58	40	40	15	40	80	240	415	-	-	197
A0207	16	15	80	7	2	1	5	1	2	1	288	446	36.5	130	133
Z409	17	21	41	16	7	0	4	0	5	0	370	433	36.6	125	128

WE CERTIFY THAT ALL PRODUCTS WERE MANUFACTURED, SAMPLED, TESTED, AND INSPECTED SOLELY BY THE MANUFACTURER LISTED AT THE ADDRESS ABOVE IN ACCORDANCE WITH INDICATED SPECIFICATION AND FOUND TO MEET REQUIREMENTS. MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION.

TENSILE REQUIREMENT: CONFORMS TO ASTM A370 STANDARD, LONGITUDINAL DIRECTION, GAUGE LENGTH 2" (50mm)

\* FULLY KILLED

\* HARDNESS ACCORDING TO NACE MR0103/ NACE MR0175/ISO15156

NOTE:

C: Cold formed at temperature below 630°C

S: Stress relieved in temperature between 595°C - 650°C and cooled in still air.

H: Hot formed in temperature between 620°C - 680°C and cooled in still air.

MT: Magnetic Particle Testing

N: Normalised at 810°C

Q: Heated to 910°C and quench in water.

T: Temper between 580°C - 680°C.



Quality Assurance Manager