

INSPECTION CERTIFICATE

KYEONG NAM BEND CO., LTD
 #250-90, Dongbuk-Ro 473 Beon-Gil,
 SangDong-Myeon, Kim Hae-Si, Kyong Nam, Korea

ICATE NO : KN-QA220628-062 DATE OF ISSUE: 06. 28. 2022

EN10204:2004 3.1/ISO 10474:1991 3.1B)

INER NO : TRHU2455862
 B NO : 2206-015
 MER : PF GLOBAL INC.



T E L : 82-55-331-9353
 F A X : 82-55-331-9124
 W E B S I T E : http://knbend.com

PO NO	Description	Qty (EA)	Material	HEAT NO.	Chemical Composition (%)											Heat Treatment	
					C	SI	Mn	P	S	Ni	Cr	Mo	Cu	V	CE		
PG101AA	90EL STD 2"	1600	WPB	KR1645	10	29	-	-	-	-	-	-	-	-	-	-	Hot formed 620°C-980°C
PG101AA	90EL STD 3"	1800	WPB	KR3959	10	106	50	58	40	15	40	8	-	-	-	-	Hot formed 620°C-980°C
PG101AA	90EL STD 4"	1080	WPB	KR1071	19	24	48	15	7	3	3	1	2	0	-	-	Hot formed 620°C-980°C
PG101AA	90EL STD 14"	35	WPB	KR0510	23	27	65	30	10	2	4	0	0	0	-	-	Hot formed 620°C-980°C
PG101AA	90EL STD 18"	16	WPB	KR1527	23	26	60	25	10	1	4	0	0	0	-	-	Hot formed 620°C-980°C
PG101AA	90EL STD 2-1/2"	400	WPB	KR3959	19	21	40	16	12	2	3	2	2	0	-	-	Hot formed 620°C-980°C
PG101AA	90EL KH 3"	300	WPB	KR0005	23	27	65	23	13	3	2	1	0	0	-	-	Hot formed 620°C-980°C
PG101AA	90EL KH 1-1/2"	900	WPB	KR1490	18	23	45	20	12	2	1	0	0	0	-	-	Hot formed 620°C-980°C
PG101AA	45EL STD 3"	200	WPB	KR3959	19	21	40	16	12	2	3	2	2	0	-	-	Hot formed 620°C-980°C
PG101AA	45EL STD 14"	8	WPB	KR0510	23	27	65	30	10	2	4	0	0	0	-	-	Hot formed 620°C-980°C

Heat No.	Tensile Test				Hardness Test	Flattening Test	Impact Test(I-I)			Hydrostatic Test	N.D.E	Uniformity Test of GALV/Zn
	YS MPa	TS MPa	EL %	RA %			Temp(°C)	Size(mm-φ)	MPa			
KR1645	299	486	33		150 152							
KR3959	289	470	30		150 152							
KR1071	298	471	32		150 152							
KR0510	295	484	32		150 152							
KR1527	321	486	32		150 152							
KR3959	289	470	30		150 152							
KR0005	327	498	33		150 152							
KR1490	303	483	31		150 152							
KR3959	289	470	30		150 152							
KR0510	295	484	32		150 152							

We hereby certify that the material herein has been made and tested in accordance with all requirements of the specification and the results of all examination are acceptable.

KYEONG NAM BEND CO., LTD.

Reviewed By: _____
 Witnessed By: _____
 Approved By: *Y. S. Park*
 MANAGER OF QUALITY

Note:
 *For each reduction of 0.01% below the specified carbon maximum, an increase of 0.05% manganese above the specified maximum will be permitted, up to a maximum of 1.65%.
 *100% X-ray detected for welded fittings
 *NACE MR0175