



INSPECTION CERTIFICATE

Customer : SEYBOLD INTERNATIONAL CORP.
Product : SEAMLESS CARBON STEEL BUTT WELD FITTINGS
Spec : ASTM A234 / SA 234 WPP-2015
 CSA Z245.11-13 Gr 241 Cat I/(standard)
 EN10204 3.1/NACE ANSI/NACE MR0175/
 ISO 15156-2:2015/MR0103-12

(MILL TEST)
 ACCORDANCE WITH EN 10204-3.1
CHUP HSIN ENTERPRISE CO., LTD.
 17, TUNG LI ROAD HSIAO KANG,
 KAOHSIUNG, TAIWAN, R.O.C.
 TEL:(07)831-9157 FAX:(07)821-7500, 831-2942

Certificate No : 00600070-0401
Order No : 7013128
Date : 2017/07/25

Item	Starting Material	Description	Quantity	Heat ID	Heat No	Raw Certificate No.	Visual Inspection	Dimensional Inspection		REMARK																																																																																																						
								GOOD	GOOD																																																																																																							
1	90 E L/R XS		16	3666	23666H	BAOSTEEL BGSQG1610110008900	GOOD																																																																																																									
3	90 E L/R STD		20	4052	24052H	BAOSTEEL BGSQG1610110008500	GOOD																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Specification</th> <th colspan="11">Chemical Composition%</th> <th colspan="3">Tension Test</th> <th rowspan="2">Hardness Test</th> <th rowspan="2">Heat Treatment</th> <th rowspan="2">REMARK</th> </tr> <tr> <th>C</th> <th>SI</th> <th>Mn</th> <th>P</th> <th>S</th> <th>CU</th> <th>NI</th> <th>CR</th> <th>MO</th> <th>V</th> <th>Nb</th> <th>C/E</th> <th>Y.S</th> <th>T.S</th> <th>E</th> <th>HB</th> </tr> </thead> <tbody> <tr> <td>Min.</td> <td>10</td> <td>29</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>35000</td> <td>60000</td> <td>30</td> <td></td> <td></td> </tr> <tr> <td>Max.</td> <td>22</td> <td>135</td> <td>50</td> <td>58</td> <td>40</td> <td>40</td> <td>40</td> <td>15</td> <td>80</td> <td>20</td> <td>50</td> <td>41172</td> <td>65935</td> <td>34.5</td> <td>136</td> <td>620°C TO 980°C HOT FORMED</td> </tr> <tr> <td>1</td> <td>20</td> <td>23</td> <td>54</td> <td>17</td> <td>8</td> <td>1</td> <td>1</td> <td><1</td> <td><1</td> <td><1</td> <td>29</td> <td>40578</td> <td>66435</td> <td>33.8</td> <td>131</td> <td></td> </tr> <tr> <td>3</td> <td>18</td> <td>27</td> <td>57</td> <td>17</td> <td>9</td> <td>8</td> <td>8</td> <td>3</td> <td></td> <td></td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											Specification	Chemical Composition%											Tension Test			Hardness Test	Heat Treatment	REMARK	C	SI	Mn	P	S	CU	NI	CR	MO	V	Nb	C/E	Y.S	T.S	E	HB	Min.	10	29										35000	60000	30			Max.	22	135	50	58	40	40	40	15	80	20	50	41172	65935	34.5	136	620°C TO 980°C HOT FORMED	1	20	23	54	17	8	1	1	<1	<1	<1	29	40578	66435	33.8	131		3	18	27	57	17	9	8	8	3			31					
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C.E. = C+Mn / 6 + (Cr+Mo+V)/5 + (Ni+Cu)/15
 We hereby certify that the material herein described has been manufactured, sampled, tested and inspected in accordance with, and was found to meet, the requirements of above specifications and purchaser's order.

Chief of Quality Assurance Section
