



<b>COLUMBUS STAINLESS</b> (Pty) Ltd Subsidiary of <b>ACERINOX, S.A.</b> SWB: +27 13 247 9111 FAX: +27 13 246 1681 http://www.columbus.co.za PO BOX 133 MIDDELBURG 1050 MPUMALANGA SOUTH AFRICA	 by Accredited Body		<div style="text-align: right;">3.1</div> <b>ACCORDING TO EN 10204</b> <b>CERTIFICATE N° 73 2015 93480 20001 *</b> <small>SEGUN CERTIFICADO N°</small>
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<b>CUSTOMER</b> <small>CLIENTE</small> R@RKLAMMERIFABRIKEN AB \$KERMANS V#G 16 SE-241 38 ESL@V SVERIGE	<b>OUR ORDER N°</b> <small>N/PEDIDO</small> <b>SL 1651</b>	<b>YOUR ORDER N°</b> <small>S/PEDIDO</small> <b>328684/256026 Mathias W.</b>
	<b>TRADE MARK</b> <small>SELLO DEL FABRICANTE</small> 	<b>INSPECTOR'S STAMP</b> <small>SELLO DEL INSPECTOR</small>
	<b>STEELMAKING PROCESS</b> <small>PROCESO DE ACERIA</small> A.O.D.	

REQUIREMENTS <small>NORMAS APLICABLES</small>	INTERGRANULAR CORROSION GRADE <small>CORROSION INTERGRANULAR</small>	FINISH <small>ACABADO</small>																		
EN 10028-7 2007 COLD ROLLED COIL & SHEET EN 10088-2/14 COLD ROLLED COIL/SHEET EN 10028-7 2007 COLD ROLLED COIL & SHEET ASTM A240 / A240M -15A/ASME SECT.IIA, ED. 07 SA240 EN 10088-2/14 COLD ROLLED COIL/SHEET ASTM A240 / A240M -15A/ASME SECT.IIA, ED. 07 SA240	EN ISO 3651-2 EN ISO 3651-2 EN ISO 3651-2 ASTM A262-02A:E EN ISO 3651-2 ASTM A262-02A:E	<table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">MATERIAL</th> <th style="width:15%;">1.4404</th> <th style="width:15%;">2B</th> </tr> <tr> <td>Acx 240</td> <td>1.4401</td> <td>2B</td> </tr> <tr> <td>Acx 240</td> <td>1.4401</td> <td>2B</td> </tr> <tr> <td>Acx 240</td> <td>316</td> <td>2B</td> </tr> <tr> <td>Acx 240</td> <td>1.4404</td> <td>2B</td> </tr> <tr> <td>Acx 240</td> <td>316L</td> <td>2B</td> </tr> </table>	MATERIAL	1.4404	2B	Acx 240	1.4401	2B	Acx 240	1.4401	2B	Acx 240	316	2B	Acx 240	1.4404	2B	Acx 240	316L	2B
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COIL / BOX <small>BOBINA/CAJA</small>	CONTENT <small>CONTENIDO</small>	DIMENSIONS			MARKS <small>MARCA</small>	QUANTITY <small>CANTIDAD</small>	TEST N° <small>PROBETA</small>	FINISH
		THICKNESS <small>ESPESOR</small>	WIDTH <small>ANCHO</small>	LENGTH <small>LARGO</small>				
X01SD1 206	3997691 /2	1,000	100,00		3	1	3997691 /2	C / F
X01SKG 03	3997707 /0	1,000	100,00		4	1	3997707 /0	C / F
X01SKG 04	3997707 /0	1,000	100,00		5	1	3997707 /0	C / F
X01SKG 05	3997707 /0	1,000	100,00		6	1	3997707 /0	C / F
X01SKG 06	3997707 /0	1,000	100,00		7	1	3997707 /0	C / F
X01SKG 07	3997707 /0	1,000	100,00		8	1	3997707 /0	C / F

CHEMICAL ANALYSIS / COMPOSICION QUIMICA (%)											
HEAT N° <small>COLADA</small>	C	CR	MN	MO	N	NI	P	S	SI		
399769	0,025	16,600	1,270	2,000	0,040	11,000	0,024	0,004	0,560		
399770	0,022	16,600	1,280	2,020	0,040	10,000	0,025	0,003	0,530		

MECHANICAL PROPERTIES / CARACTERISTICAS MECANICAS											
TEST N° <small>PROBETA</small>	PROBE <small>SIT TYPE</small>	Rm. <small>N/mm2</small>	Rp 0.2 <small>N/mm2</small>	Rp 1.0 <small>N/mm2</small>	A50 <small>%</small>	A80 <small>%</small>	HRB				
3997691 /2	C T	647,00	322,00	337,00	50,00	49,00	82,00				
3997691 /2	F T	646,00	345,00	375,00	48,00	47,00	85,00				
3997707 /0	C T	632,00	302,00	331,00	52,00	51,00	81,00				
3997707 /0	F T	640,00	334,00	369,00	51,00	50,00	84,00				

<b>REMARKS / OBSERVACIONES</b> Material meets the Hardness requirements of Nace MR-0175/03 Permeability 1.1 Max	<b>SURFACE AND DIMENSIONAL CONTROL</b> <small>INSPECCION SUPERFICIAL Y DIMENSIONAL</small> <div style="text-align: center; margin-top: 20px;"> <b>SATISFACTORY</b>            Satisfactoria         </div>
	<b>WORK INSPECTOR</b> <small>INSPECTOR</small> <div style="text-align: center; margin-top: 20px;">  </div>
	Middelburg, 10 AGOSTO 2015