

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

O.C = 7541

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

BPCS

Order Number: 7541

(272327-001) DOC #00142568 03/12/15 Date: 12/16/03

Sold to: TUBOS CONEXIONES Y TANQUES
VALLE DE LAS ALAMEDAS NO 66 B
SAN FRANCISCO CHILPAN
TULTITLAN EOO DE MEX 54940

Ship to: TUBOS CONEXIONES Y TANQUES 001
C/O SPECIALIST IN TRANSIT FWR
1801 MARKLEY - MODERN IND PARK
LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EK03ZN	• 50	6 STD CAP A/SA 234 - 01 WPB A516-70 154/2105851 NORM. 1650 NACE MR0175
EL03ZZ	• 50	8 STD CAP A/SA 234 - 01 WPB A516-70 106/A3W2111 NORM. 1650 NACE MR0175
EJ03ZE	• 50	10 STD CAP A/SA 234 - 01 WPB A516-70 154/3101775 NORM. 1650 NACE MR0175
EC03XT	• 50	12 STD CAP A/SA 234 - 01 WPB A516-70 117/A2L186 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EK03ZN	M	.170	1.000	.017	.010	.200	.210	.090	.080	.010	.0380
EL03ZZ	M	.220	1.050	.025	.013	.190	.200	.060	.040	.010	.0230
EJ03ZE	M	.170	.980	.017	.007	.210	.150	.070	.070	.010	.0270
EC03XT	M	.210	.980	.016	.005	.250	.310	.090	.070	.010	.0310

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EK03ZN	< .010	<.0005	<.0100	<.010	.012	<.002	.002	<.050	.376	
EL03ZZ	< .010	<.0005	<.0100	<.010	.011	<.002	.002	<.050	.424	
EJ03ZE	< .010	<.0005	<.0100	<.010	.010	.002	.002	<.050	.365	
EC03XT	< .010	<.0005	.0200	<.010	.013	<.002	<.001	<.050	.417	

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EK03ZN	84.4	T		60.3	27.0	55.0	149
EL03ZZ	84.3	T		57.1	27.0	61.0	155
EJ03ZE	76.1	T		54.1	33.0	63.0	128
EC03XT	78.7	T		45.8	31.0	61.0	152

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EK03ZN						
EL03ZZ						
EJ03ZE						
EC03XT						

Test: M=Mill Product

Type: T=Transverse

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.
/S/ Glinda LaFleur