



Aalco Dyfed
Units 3-4
Capel Hendre Ind Est
Ammanford
SA18 3SJ
United Kingdom

Telephone: 01269 842044
Fax: 01269 845276

VAT Registration No. GB 711 1155 91

Deliver To

S4 STAINLESS INDUSTRIAL & MARINE LIMITED
UNIT 2, JAMES COURT,
SWANSEA ENTERPRISE PARK,
SWANSEA
WALES
SA1 7DA
United Kingdom

PLEASE NOTE YOU
ARE SIGNING FOR
TEST CERTIFICATES

Customer		Issue Date	Test Certs Required		
STA04D		06/08/2026			
Product	Quantity	Description			
1118764	2 ea	Your Reference S/S BWF A403 304L WP-W 8" SCH10S 45 SR ELBOW Batch ID Cast No. Cert No. Pieces QA DD0017069-004-001 220310AM09-3 20250709-41 2 A IRF: SO0036069DD-1/9'''' Salesperson: ddhb'''' Due date: 06/08/2026'''' Pr.Ord: PRO0067317DD''''			092804
1031947	4 ea	Your Reference S/S BWF A403 316L WP-W 8" SCH10S 90 SR ELBOW Batch ID Cast No. Cert No. Pieces QA DD0017068-001-001 N241021AX13 20260306-19 3 A ✓ DD0017069-003-001 N241021AX13 20260306-19 1 A ✓ IRF: SO0036069DD-1/8'''' Salesperson: ddhb'''' Due date: 06/08/2026'''' Pr.Ord: PRO0067316DD''''			092804
1118706	2 ea	Your Reference S/S FLANGE ASME 316L 2" BLANK Batch ID Cast No. Cert No. Pieces QA DD0017069-002-001 NY250620AV06 IC- JYDS-2020420134 2 A ✓ IRF: SO0036069DD-1/3'''' Salesperson: ddhb'''' Due date: 06/08/2026'''' Pr.Ord: PRO0067315DD''''			092804
1118702	1 ea	Your Reference S/S FLANGE EN1092 316L 2" PN 16/01 TABLE D Batch ID Cast No. Cert No. Pieces QA DD0017069-001-001 NY250620AV06 IC- JYDS-2025101014 1 A IRF: SO0036069DD-1/1'''' Salesperson: ddhb'''' Due date: 06/08/2026'''' Pr.Ord: PRO0067314DD''''			092804

RECEIVED IN GOOD
CONDITION

Customer Signature:

Print name:

Date:

Your signature on this page confirms receipt of all materials received against the total number of pages, as indicated above.

You are also signing for the receipt of test certificates, where requested.

Aalco Metals Ltd is a company registered in England No. 3551533
Registered Office: Parkway House, Unit 6, Parkway Industrial Estate, Pacific Avenue,
Wednesbury, WS10 7WP

142.59968000000003





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1118764	2 ea	S/S BWF A403 304L WP-W 8" SCH10S 45 SR ELBOW Batch ID DD0017069-004-001 Cast No. 220310AM09-3 Cert No. 20250709-41 Pieces 2 QA A IRF: SO0036069DD-1/9' Salesperson: ddhb' Due date: 06/08/2026' Pr.Ord: PRO0067317DD' Your Reference			092804
1031947	4 ea	S/S BWF A403 316L WP-W 8" SCH10S 90 SR ELBOW Batch ID DD0017068-001-001 Cast No. N241021AX13 Cert No. 20260306-19 Pieces 3 QA A Batch ID DD0017069-003-001 Cast No. N241021AX13 Cert No. 20260306-19 Pieces 1 QA A IRF: SO0036069DD-1/8' Salesperson: ddhb' Due date: 06/08/2026' Pr.Ord: PRO0067316DD' Your Reference			092804
1118706	2 ea	S/S FLANGE ASME 316L 2" BLANK Batch ID DD0017069-002-001 Cast No. NY250620AV06 Cert No. IC- JYDS-202042013 Pieces 2 QA A IRF: SO0036069DD-1/3' Salesperson: ddhb' Due date: 06/08/2026' Pr.Ord: PRO0067315DD' Your Reference			092804
1118702	1 ea	S/S FLANGE EN1092 316L 2" PN 16/01 TABLE D Batch ID DD0017069-001-001 Cast No. NY250620AV06 Cert No. IC- JYDS-202510101 Pieces 1 QA A IRF: SO0036069DD-1/1' Salesperson: ddhb' Due date: 06/08/2026' Pr.Ord: PRO0067314DD' Your Reference			092804
009030DD	10 ea	S/S FLANGE EN1092 304L 8" PN 16/01 RF S.O. EN1092 Batch ID MC0528115-003-001 Cast No. NY250216AT02 Cert No. XFCH20251124-4 Pieces 10 QA IRF: SO0036069DD-1/7' Salesperson: ddhb' Due date: 06/08/2026' Pr.Ord: PRO0067277DD' Your Reference			092804

Aalco Metals Ltd is a company registered in England No. 3551533
Registered Office: Parkway House, Unit 6, Parkway Industrial Estate, Pacific Avenue,
Wednesbury, WS10 7WP

142.59968000000003





TSINGSHAN STEEL PIPE CO., LTD.
 Lidun Industrial Zone, Lidun Town, Zhouning County, Ningde City,
 355402 Fujian, China
 Mill Test Certificate acc. to EN10204 3.1

ISO 9001:2015 Cert. No.: 01 100 1733602
 Directive 2014/68/EU Cert. No.: 01 202 CHN/Q-16 0600
 AD 2000-Merkblatt W0 Cert. No.: 01 202 CHN/Q-16 0600
 TS Cert. No.: TS2735202 2026

Contract No.

TF20250348

PO No.

0000045114

Certificate No

Delivery Conditions

20250709-41

STAINLESS STEEL COLD FORMED BUTT WELD FITTINGS

Specification

Solution Annealed, pickled and passivated
ASTM A403-22p&ASME B16.9-2018

Description

Grade

Heat No. Heat treatment Quenching

90 Degree Elbow Long Radius

WP304/304L-W

A241127AC08

1050°C

RWQ

90 Degree Elbow Long Radius

WP316/316L-W

N240624AX11

1050°C

RWQ

90 Degree Elbow Long Radius

WP304/304L-W

330449

1050°C

RWQ

90 Degree Elbow Long Radius

WP316/316L-W

N230924AY05

1050°C

RWQ

45 Degree Elbow Long Radius

WP304/304L-W

1813677

1050°C

RWQ

45 Degree Elbow Long Radius

WP316/316L-W

220310AM09-3

1050°C

RWQ

45 Degree Elbow Long Radius

WP316/316L-W

CUE070195

1050°C

RWQ

Chemical Composition (%)

Mo

RWQ

Heat No.

C

Mn

P

S

Si

Cr

Ni

Mo

A241127AC08

0.021

1.01

0.030

0.001

0.40

18.12

8.00

N240624AX11

0.018

1.05

0.037

0.001

0.35

16.62

10.01

2.01

330449

0.023

1.10

0.029

0.002

0.37

18.15

8.00

N230924AY05

0.021

1.33

0.038

0.002

0.48

16.71

10.00

2.00

1813677

0.024

1.59

0.040

0.002

0.51

18.12

8.02

220310AM09-3

0.014

1.34

0.034

0.002

0.39

16.50

10.01

2.02

CUE070195

0.019

1.08

0.037

0.001

0.39

16.77

10.03

2.01

Mechanical Properties

Heat No.

TS(MPa) YS Rp0.2%(MPa)

El(%)

Hardness

NACE MRO175

IC Test

ASTM A262E

Impact Test

Non-destructive Test

RT

PMI

100%

Visual

Dimensional

A241127AC08

655

266

57.6

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

N240624AX11

559

267

55.3

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

330449

665

264

58.0

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

N230924AY05

562

277

53.6

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

1813677

609

265

56.0

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

220310AM09-3

572

283

57.0

HRB≤90

OK

OK

OK

OK

OK

N/A

N/A

OK

OK

OK

OK

OK

OK

OK

OK

OK

CUE070195

567

282

56.6

HRB≤90

OK

OK

OK

OK

OK

JMS

CERTIFICATE OF QUALITY

Inspection Certificate acc. to EN10204-3.1
根据欧盟 EN10204 标准的 3.1 检验证书

Certificate No./ 证书编号: IC-JYDS-20260420134

Certified in accordance to PED 2014/68/EU Annex I, Part 4.3 and AD2000-W0 by TÜV Rheinland notified body
Identification No 0035 AD2000-W0 PED 2014/68/EU certificate No:01 202 CHN/Q-08 0290.00

A. Content of the delivery/material delivery range

Customer/客户: Order No/订单号: Article/品名: Specification/技术要求: Material grade/材料规格: Delivery condition/交货状态: Melting process/熔炼方式: Marking/标识: Stamp of manufacturer/制造厂钢印: Work Inspector's Stamp/工厂检验师钢印: SZY

0000046749
Forged Flange/锻件
EN10222-5 / DIN17440 / AD2000-W2/W9/W10/ASME Sec. II Part A 2023 and NACE
MR01-75/MR01-03 -2015 / ASME SA 182-2023 and ASTM A182 2020
ASTM A182 SS316/L
1050~1120°C × 1~2h Solution treatment and quenched in water
1050~1120°C × 1~2h 固溶水淬热处理
Electric furnace/电炉熔炼
Company Logo+EN1092-1/05B1 PN10/16 2" SS316/L Heat NO.

Item No./ 序号	Quantity/ 数量	Description/规格	Heat No./炉号	Batch No./ 批号	Specimen No./试样号
134	10PCS	EN1092-1 TYPE 05 PN10/16 BLRF 2 "	NY250620AV06	26BS625	NY250620AV06/26BS625

B. Chemical analysis/化学分析

Heat-Batch No./炉批号	C%	Si%	Mn%	P%	S%	Cr%	Mo%	Ni%	N%
ASTM A182: SS316/L	≤0.03	≤1.00	≤2.00	≤0.045	≤0.030	16.0-18.0	2.0-3.0	10-15.0	≤0.10
NY250620AV06/26BS625	0.020	0.38	0.98	0.030	0.002	16.69	2.02	10.09	0.059

C. Mechanical properties tests/mechanical tests Position of specimen/sampling position: Tangential/切向

试样号, Specimen n	试验温度 Test Temp	屈服强度 Proof Strength N/mm ²	抗拉强度 Tensile Strength N/mm ²	延伸率 Elongatio n(Tr)	断面收缩率 Reduction of Area	冲击性能试验(ISO-V-RT) Impact energy (ISO-V-RT)	冲击性能试验(ISO-V-196°C) Impact energy (ISO-V-196°C)
Nr./ No	RT 室温	R _{p0.2}	R _m	A%	ψ%	Avg	Avg
ASTM A182: SS316/L	≥170	≥485	≥30%	≥50%	-	1	-
NY250620AV06/26BS625	288	323	584	54	74	205	209
						214	209
						113	118
						104	112

D. Visual and dimensional inspection / 外观及尺寸检查: without complaint/合格

Intergranular corrosion test ASTM A262 Method E / 不锈钢晶界腐蚀试验: without complaint/合格
Positive Material Inspection test : without complaint/合格

E. The material is manufactured according to a Quality management system approved and registered to ISO 9001 & PED 2014/68/EU by TÜV Rheinland.
F. The hardness test Results: 159 HB
G. No Russian Input
H. Country of smelting: China
I. Country of smelting: Fujian Tsingliao Nickel Industry Co., LTD 福建省拓镍业有限公司

Place/地点: JIANGYIN

Date/日期: 2026-04-20

Work Inspector/工厂检验师: SHI ZHIYING



Jiangyin Dongshe Flange Co., Ltd.
No.10 Huangsiyang Road, Yunting Street, Jiangyin City, Jiangsu, China

TSINGSHAN STEEL PIPE CO.,LTD.

Lidun Industrial Zone, Lidun Town, Zhoushan County, Ningde City,
355402 Fujian, China
Mill Test Certificate acc. to EN10204 3.1

ISO 9001:2015 Cert. No.: 01 100 1733602
Directive 2014/68/EU Cert. No.: 01 202 CHN/Q-16 0600
AD 2000-Merkblatt W0 Cert. No.: 01 202 CHN/Q-16 0600
TS Cert. No.: TS2735202-2030

Client		Contract No.				TF20251208				PO No.				0000046351				Certificate No				20260306 -19			
Product		STAINLESS STEEL COLD FORMED BUTT WELD FITTINGS										Delivery Conditions				Solution Annealed, pickled and passivated									
Item		Quantity		Size		Description						Specification		Grade		Heat No.		Heat treatment		Quenching					
129		15		3"x2"		SCH40S						WP304/304L-W		J153017205		1050°C		RWQ							
130		15		8"		SCH10S						90 Degree Elbow Short Radius		WP316/316L-W		N241021AX13		1050°C		RWQ					
131		10		8"		SCH10S						90 Degree Elbow Short Radius		WP304/304L-W		A250831AC05		1050°C		RWQ					
132		100		1"		SCH10S						90 Degree Elbow Short Radius		WP316/316L-W		201803AN04-6		1050°C		RWQ					
133		50		1"		SCH10S						90 Degree Elbow Short Radius		WP304/304L-W		A241228AD18		1050°C		RWQ					
134		100		1"		SCH40S						90 Degree Elbow Short Radius		WP316/316L-W		N220928AY13		1050°C		RWQ					
135		25		1"		SCH40S						90 Degree Elbow Short Radius		WP304/304L-W		1910282		1050°C		RWQ					
Chemical Composition (%)																									
Heat No.		C.		Mn		P		S		Si		Cr		Ni		Mo									
J153017205		0.027		1.26		0.031		0.005		0.46		18.03		8.00											
N241021AX13		0.020		1.02		0.034		0.001		0.40		16.48		10.01		2.00									
A250831AC05		0.021		1.06		0.031		0.002		0.38		18.12		8.00											
201803AN04-6		0.025		1.32		0.034		0.002		0.42		16.51		10.01		2.00									
A241228AD18		0.016		1.01		0.025		0.001		0.33		18.25		8.02											
N220928AY13		0.015		1.35		0.038		0.002		0.48		16.52		10.02		2.00									
1910282		0.024		1.52		0.031		0.002		0.40		18.14		8.04											
Mechanical Properties																									
Heat No.		TS(MPa)		YS Rp0.2%(MPa)		EL(%)		Hardness		NACE MR0175 /ISO15156 / MR0103		IC Test ASTM A262E		Impact Test		Non-destructive Test		PMI 100%		Visual		Dimensional			
J153017205		676		264		56.7		HRB≤90		OK		OK		N/A		RT		OK		OK		OK			
N241021AX13		558		267		54.0		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
A250831AC05		652		260		54.0		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
201803AN04-6		572		263		58.9		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
A241228AD18		627		272		55.5		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
N220928AY13		575		270		55.2		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
1910282		618		281		56.0		HRB≤90		OK		OK		N/A		N/A		OK		OK		OK			
MARKINGS: TSINGSHAN SPECIFICATION CODE GRADE NPS SCH HEAT NO.																									
Materials have been manufactured in accordance with the specification.																									

MARKINGS: TSINGSHAN SPECIFICATION CODE GRADE NPS SCH HEAT NO.

1. Materials have been manufactured in complete accordance with the purchasers order
2. 100% PMI test
3. Complies with MR0103/ISO 17495-1:2015, NACE MR0175/ISO15156-2015
4. Product is lead free
5. NO RUSSIAN INPUTS IN MATERIAL
6. The country of smelting: China

Signed:  Date: 6-Mar-26

青 山 钢 管 有 限 公 司
TSINGSHAN STEEL PIPE CO., LTD.
质量证明书专用章
MILL TEST CERTIFICATE STAMP