Goodwin Do	c Ref: AM35143-2	2	Revision:	0	18/05/2021	
Customer: Project Item Number: PO Number:	BELFAST CONTR STOCK 2 SB-21-016	OLS EQUIPMENT TRADING				
Goodwin Chack Value 2	BOP	BR01 BR06 BR10 BR08 B04 B02 BR0 BR0 BR0 BR0 BR0 BR0 BR0 BR0 BR0 BR0	Varghese Jo	OVED oseph , 30/05/	2021, 15:37:47	
	PC	A			Imperial	Metric
	Ø	<u>►</u> _	Size		2"	50mm
			ASME Cla	155	600#	
		🖤 🕕	Dim A		4.38"	111mm
	1		Dim B		2.38"	60mm
			Dim E PCD		2.25"	57mm 127mm
		FLOW	Flange St	andard	ASME B	16.5
			Holes Per		8	
	$\langle \langle \rangle$		Valve We		9 lbs	4 kg
	Ť	BAZZAZI		•		1
				Stud	Selection	
			Dia		Leng	:h
			Diam	ieter	Imperial	Metric
			5/	8"	7.75"	195mm
			Valve	Face	Raised Face 3 Spiral Gr	
			Valve	Seat	Cobalt A	loy 6
			Plate C)verlav	None)
	BR00	2-060-OUUPR/YF	i iute c		1.1010	-
em	Description	QTY Material		Man	ufacturing Stand	lards
R01	Body	1 ASTM A105 (Q&T) / A350 LF2 (Dual Certif	fied)			
302	Plates	2 Cobalt Alloy 6		ST	ANDARDS APPL	IED
3R03	Hinge & Stop Pin	2 AISI 316L Stainless Steel			ASME B16.5	
304	Spring	1 Inconel X750			API 594	
3R06	Carrier	2 AISI 316 Stainless Steel			EN ISO 8062-3	
3R08	Keeper Plate	2 AISI 316 Stainless Steel			BS EN 10204	
3R10	Retaining Screw	4 AISI 316 Stainless Steel		/:4 m = 4	API 598	hours)
RNQ	Tag/Namenlate	1 316 Stainless Steel (Engraved)		(it not	covered by the a	www.

The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price and delivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown.

Notes:

B09

Tag/Nameplate

All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.

1

316 Stainless Steel (Engraved)

Goodwin International, Goodwin House, Leek Road, Stoke-On-Trent, Staffordshire, England, ST1 3NR TEL: +44 (0)1782 654505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.com THIS IS THE PROPERTY OF GOODWIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



MANUFACTURER'S STD.

•	oc Ref: AM35143-			Revision:	0	18/05/2021	
Customer: Project tem Number: PO Number:	BELFAST CONTR STOCK 3 SB-21-016	OLS EC	QUIPMENT TRADING				
Goodwin Chack Va Va	BOP	BR01	BRO6 BRI0 BRO8 BO4 BO2 BRO3 BO4 BO2 BRO3	v.	APPRO arghese Josep	VED ph , 30/05/2021, 15	:37:47
-		CD	_ _ /			Imperial	Metric
-		⊅ a ⊅e		Size ASME Clas		3" 300#	80mm
		~·~		Dim A	55	5.88"	≁ 149mn
		⊅c		Dim B		2.88"	73mm
		1		Dim C Dim E		2" 3.42"	51mm 87mm
				PCD		6.75"	168.3m
			FLOW	Flange Sta	andard	ASME B	16.5
				Holes Per		8	10.0
	\otimes \otimes			Valve Weig		18 lbs	8 k
			K XXXX		Stud S	Selection	
				Diam		Leng	th
				Diam	eter	Leng ^a Imperial	Metric
				Diam 3/4	eter	Leng	Metrie
					eter	Leng ^a Imperial	Metric 205mr 3.2-6.3 μn
				3/4	eter ," Face	Leng Imperial 8" Raised Face 3	Metric 205mr 3.2-6.3 µn oove
				3/4 Valve	eter !" Face Seat	Leng Imperial 8" Raised Face 3 Spiral Gr	Metric 205mr 3.2-6.3 µn oove loy 6
	BR00	3-03	0-OUUPR/YF	3/4 Valve Valve	eter !" Face Seat	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt A	Metric 205mr 3.2-6.3 µn oove loy 6
	Description	QTY	Material	3/4 Valve Valve Plate O	eter Face Seat verlay	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt A	Metric 205mr 3.2-6.3 µn oove lloy 6
R01	Description Body	QTY	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified)	3/4 Valve Valve Plate O	eter ," Face Seat verlay Manu	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt A None	Metric 205mr 3.2-6.3 µn oove lloy 6
R01	Description	QTY	Material	3/4 Valve Valve Plate O	eter ," Face Seat verlay Manu	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt A None Ifacturing Stand NDARDS APPL ASME B16.5	Metric 205mr 3.2-6.3 µn oove lloy 6
R01 02 R03 04	Description Body Plates Hinge & Stop Pin Spring	QTY 1 2 2 1	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al None MARDS APPL ASME B16.5 API 594	Metric 205mr 3.2-6.3 µn oove lloy 6
BR01 B02 BR03 B04 BR06	Description Body Plates Hinge & Stop Pin Spring Carrier	QTY 1 2 2 1 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al Cobalt Al None MDARDS APPL ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204	Metric 205mn 3.2-6.3 µn oove lloy 6
8R01 802 8R03 804 8R06 8R08	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate	QTY 1 2 2 1	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al None MDARDS APPL ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598	Metric 205mn 3.2-6.3 µm oove loy 6
tem 3R01 302 3R03 304 3R06 3R06 3R08 3R10 309	Description Body Plates Hinge & Stop Pin Spring Carrier	QTY 1 2 2 1 2 2 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al Cobalt Al None MDARDS APPL ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204	Metric 205mm 3.2-6.3 µm oove loy 6 e dards IED
9R01 902 9R03 9R06 9R08 9R10 909 'he materials ir	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate n the valve description es unless it was specif All materials conformation	QTY 1 2 2 1 2 2 4 1 are case ically st rm to N	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved) st / wrought / forged equivalents, to restrict the r ated and agreed at the point of quotation. Valve ACE MR-01-75 / ISO 15156 2009 Revision.	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA (if not of MANU	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al None MDARDS APPL ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S	Metric 205mm 3.2-6.3 µm oove loy 6 e dards IED IED
R01 02 R03 04 R06 R08 R10 09 he materials ir elivery of valve	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate n the valve description es unless it was specif All materials conformation	QTY 1 2 2 1 2 2 4 1 are case ically st rm to N	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certified) Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved) st / wrought / forged equivalents, to restrict the r ated and agreed at the point of quotation. Valve	3/4 Valve Valve Plate O	eter Face Seat verlay Manu STA (if not of MANU	Leng Imperial 8" Raised Face 3 Spiral Gr Cobalt Al None MDARDS APPL ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S	Metric 205mm 3.2-6.3 µm oove loy 6 e dards IED IED

Goodwin International, Goodwin House, Leek Road, Stoke-On-Trent, Staffordshire, England, ST1 3NR TEL: +44 (0)1782 654505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.com THIS IS THE PROPERTY OF GOODWIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



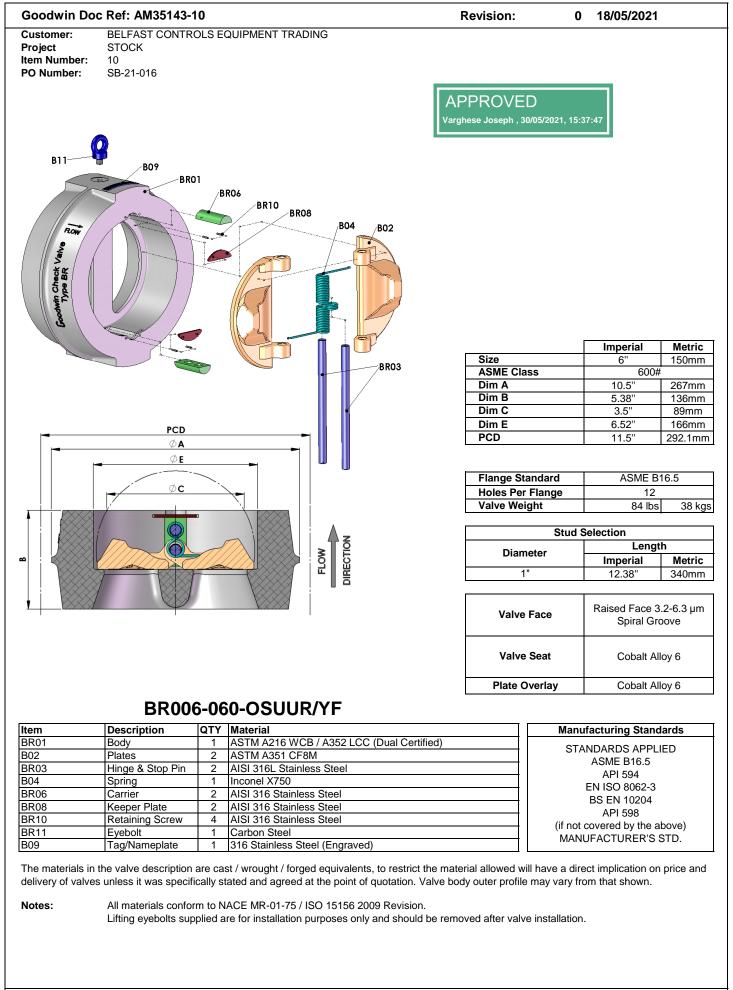
Customer: Project	Doc Ref: AM35143-0			Revision:	0	18/05/2021	
Project		OLS E	QUIPMENT TRADING				
•	STOCK						
Item Number PO Number:	": 6 SB-21-016						
r o Number.	30-21-010						
				APP	ROVED)	
	_B09			Varghese	Joseph , 30/	/05/2021, 15:37:47	
		BR01					
			/BR06				
		\sim	BR10 BR08				
FLOW		1-1	804 802				
2		11-1					
, Vai							
28							
n Check Valve Ype BR		111					
t y		1//		1			
NOC NOC		//		7			
Cood							
		2 2					
						Imporial	Mot-ic
		0	BRO3	Size		Imperial 3"	Metric 80mm
				ASME Clas	s	<u> </u>	
				Dim A	-	6.63"	168mm
				Dim B		3.25"	83mm
		-		Dim C		2.38"	60mm
-	PC			Dim E		3.42"	87mm
H 	Ø			PCD		7.5"	190.5mm
	Ø	E	_ _				
			、				
	Ø	с		Flange Sta	ndard	ASME B	16.5
	7		$\overline{\mathbf{x}}$	Holes Per		8	
				Valve Weig	ht	29 lbs	13 kg
					01-10	S. I	
					Studia	Selection Lengt	h
			RECTIC	Diame	eter	Imperial	n
							Motric
				7/8			Metric 255mm
			PIRECTION	7/8	1	10"	Metric 255mm
		J		7/8	1		
		J		7/8 Valve F		10"	255mm
		J					255mm
		J				10"	255mm
		J			ace	10"	255mm Joint
		J		Valve F	ace	10" Ring Type	255mm Joint
		J		Valve F	Face Seat	10" Ring Type	255mm Joint oy 6
		2.00		Valve F Valve S	Face Seat	10" Ring Type Cobalt All	255mm Joint oy 6
	BR00		90-OUUPJ/YF	Valve F Valve S	Face Seat	10" Ring Type Cobalt All	255mm Joint oy 6
	BR00		0-OUUPJ/YF Material	Valve F Valve S Plate Ov	Face Seat verlay	10" Ring Type Cobalt All	255mm Joint oy 6
Item BR01	Description Body	QTY 1	90-OUUPJ/YF Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi	Valve F Valve S Plate Ov	Face Seat /erlay Manu	10" Ring Type Cobalt All None	255mm Joint oy 6 ards
Item BR01 B02	Description Body Plates	QTY 1 2	D-OUUPJ/YF Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6	Valve F Valve S Plate Ov	Face Seat /erlay Manu	10" Ring Type Cobalt All None	255mm Joint oy 6 ards
Item BR01 B02 BR03	Description Body Plates Hinge & Stop Pin	QTY 1 2 2	AISI 316L Stainless Steel	Valve F Valve S Plate Ov	Face Seat /erlay Manu	10" Ring Type Cobalt All None	255mm Joint oy 6 ards
Item BR01 B02 BR03 B04	Description Body Plates Hinge & Stop Pin Spring	QTY 1 2 2 1	AISI 316L Stainless Steel Inconel X750	Valve F Valve S Plate Ov	Face Seat /erlay Manu STA	10" Ring Type Cobalt All None MARDS APPLI ASME B16.5	255mm Joint oy 6 ards
Item BR01 B02 BR03 B04 BR06	Description Body Plates Hinge & Stop Pin Spring Carrier	QTY 1 2 2 1 2	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel	Valve F Valve S Plate Ov	Face Seat /erlay Manu STA	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204	255mm Joint oy 6 ards
Item BR01 B02 BR03 B04 BR06 BR08	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate	QTY 1 2 2 1 2 1 2 2 2 2 2	AISI 316 Stainless Steel AISI 316 Stainless Steel	Valve F Valve S Plate Ov	Face Seat verlay Manu STA	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598	255mm Joint oy 6 ards ED
Item BR01 B02 BR03 B04 BR06 BR08 BR10	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw	QTY 1 2 2 1 2	AISI 316 Stainless Steel AISI 316 Stainless Steel	Valve F Valve S Plate Ov	Face Seat verlay Manu STA	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a	255mm Joint oy 6 ards ED
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate	QTY 1 2 2 1 2 2 2 2 2 4	AISI 316 Stainless Steel AISI 316 Stainless Steel	Valve F Valve S Plate Ov	Face Seat verlay Manu STA	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598	255mm Joint oy 6 ards ED
Item BR01 B02 BR03 B04 BR06 BR08 BR08 BR10 B09	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 1 2 2 4 4 1	AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel	Valve F Valve S Plate Ov	Face Seat /erlay Manu STA (if not MANI	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate in the valve description	QTY 1 2 1 2 4 1 are cas	AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved)	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate in the valve description	QTY 1 2 1 2 4 1 are cas	AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate in the valve description ves unless it was specif	QTY 1 2 1 2 1 2 4 1 are case ically st	AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved)	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials delivery of value	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 2 4 1 are case ically st	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel AISI 316 Stainless 3	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
Item BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials delivery of value	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 2 4 1 are case ically st	AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 317 Steel 318 Steel 318 Steel 318 Steel 318 Steel 318 Steel 319 Steel 319 Steel 319 Steel 310 St	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
tem BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials delivery of value	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 2 4 1 are case ically st	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel AISI 316 Stainless 3	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
tem BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials delivery of value	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 2 4 1 are case ically st	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel AISI 316 Stainless 3	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
tem BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials delivery of value	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 2 4 1 are case ically st	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel AISI 316 Stainless 3	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
tem BR01 BR03 BR06 BR08 BR10 B09 The materials delivery of valv	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate in the valve description Ives unless it was specif All materials confor B11 Eyebolt not su	QTY 1 2 1 2 2 4 1 are cas ically st rm to N pplied t	Astrial ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless 316	Valve F Valve S Plate Ov ed)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.
tem BR01 BR03 BR06 BR08 BR10 B09 The materials delivery of valv	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate in the valve description ves unless it was specif All materials confor B11 Eyebolt not su	QTY 1 2 2 1 2 2 4 1 1 are cas ically st rm to N pplied t	ASTM A105 (Q&T) / A350 LF2 (Dual Certifi Cobalt Alloy 6 AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel AISI 316 Stainless 3	Valve F Valve S Plate Ov ied)	Face Seat /erlay Manu STA (if not MANI have a dire	10" Ring Type Cobalt All None MDARDS APPLI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 covered by the a UFACTURER'S S	255mm Joint oy 6 ards ED bove) STD.

BELFAST CONTR STOCK 8 SB-21-016	OLS EC	QUIPMENT TRADING				
8						
36-21-010						
/B09						
	-BRO1					
		/BR06				
\supset		BR10				
		BO4 /B	02			
(-			
			1			
a de la companya de l	2 2		<i>,</i>			
4-6					Imporial	Motrio
			SR03 Size			Metric 100mm
		-	0120	Class		
						181mm
			Dim B		2.88"	73mm
PC	D		Dim C		3.5"	89mm
			Dim E		4.45"	113mm
			PCD		7.9"	200mm
-						
		. " U	<u> </u>			
	С					16.5
						0.1
			valve	weight	20 IDS	9 kg
	2			Stud	Selection	
						h
	7//		D	Diameter		Metric
				3/4"		210mm
\mathcal{I}	\propto					
	Ì				Pairod Eaco 2	262.00
			Va	alve Face		
					Opilal Ol	5070
				_		
			Va	alve Seat	Cobalt Al	loy 6
			Pla	te Overlay	Cobalt Al	loy 6
BRM	4-03					
			rtific d)	Man	utacturing Stand	lards
				- ST.		IED
Spring	1			-11	API 594	
Carrier	2	AISI 316 Stainless Steel		-11		
Keeper Plate	2	AISI 316 Stainless Steel				
Retaining Screw	4			(if not		bove)
Tag/Nameplate	1	316 Stainless Steel (Engraved)				
he valve descriptior	are cas	t / wrought / forged equivalents. to restrie	t the material allowe	ed will have a dir	rect implication on	price and
			on.			
B11 Eyebolt not su	upplied f	or valves under 20kg.				
	BR00 Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate he valve description unless it was specif All materials confor	DescriptionQTYBody1Plates2Hinge & Stop Pin2Spring1Carrier2Keeper Plate2Retaining Screw4Tag/Nameplate1he valve description are cas unless it was specifically stateAll materials conform to N/	BROCHASTICAL ASTIMATOR ASTIMATOR VE A	Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF3M Image: Street Plate 2 ASTM A351 CF8M / CF	Image: Standard Holes Per Flange Valve Weight Image: Standard Holes Per Flange Valve Valve Valve Weight Image: Standard Holes Per Flange Valve Valv	

ATIONAL LTD. AND THE PROPERTY OF GOODWIN IN PERMISSION

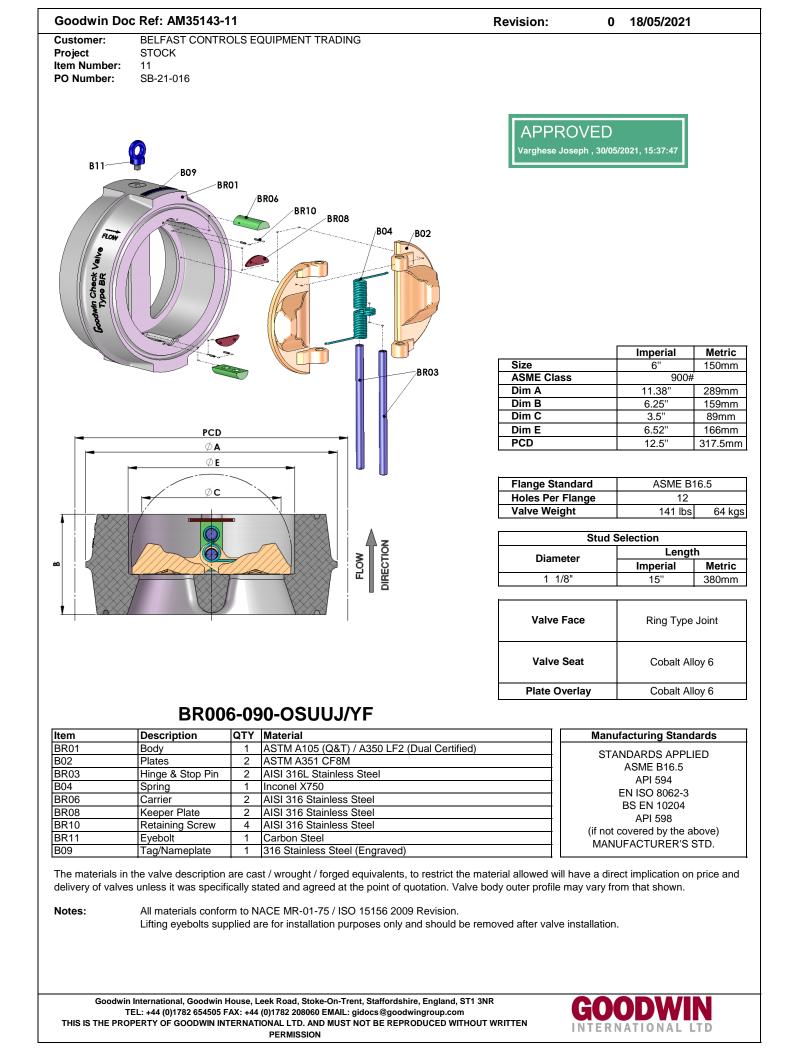


Project		OLS EC	UIPMENT TRADING				
	STOCK						
tem Number: PO Number:	9 SB 01 016						
PO Number:	SB-21-016						
					ROVED		
	B09			Varghese	Joseph , 30/05/	/2021, 15:37:47	
\leq		BRO1		L			
			BR06 BR10				
Goodwin Check Valve add			BROB BOA BOA BOA BOA BOA BOA BOA BOA BOA B				
						Imperial	Motric
			BRO	³ Size		Imperial 4"	Metric 100mm
				ASME CI	ass	4 600	
				Dim A		7.63"	194mm
				Dim B		3.13"	79mm
	PC	D		Dim C		3.5"	89mm
	Ø.	Α		Dim E		4.45"	113mm
	Ø	E		PCD		8.5"	215.9mm
	Ø	с	`	Flange S	tandard	ASME E	316.5
		-		Holes Pe		8	
				Valve We		29 lb:	s 13 kg
					Stud	Selection	
			FLOW	Diar	meter	Leng	
					7/8"	Imperial	Metric
		\bigotimes		1	/8	10"	255mm
	\forall \forall	$\langle \mathcal{A} \rangle$				1	
	\times \checkmark			Valve	e Face	Raised Face Spiral G	
	I					Spiral G	oove
	I				-		
· · · · · · · · · · · · · · · · · · ·	I			Valv	e Seat	Coball A	lloy 6
							-
· · · · · ·					e Seat Overlay	Cobalt A	-
·	BR004	4-06	0-OSUUR/YF				-
tem					Overlay	Cobalt A	lloy 6
	BR004	QTY	Material	Plate	Overlay Man	Cobalt A	lloy 6 dards
3R01 302	Description Body Plates	QTY 1 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M	Plate	Overlay Man	Cobalt A ufacturing Stan	lloy 6 dards
3R01 302 3R03	Description Body Plates Hinge & Stop Pin	QTY 1 2 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel	Plate	Overlay Man	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5	lloy 6 dards
3R01 302 3R03 304	Description Body Plates Hinge & Stop Pin Spring	QTY 1 2 2 1	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750	Plate	Overlay Man	Cobalt A ufacturing Stan	lloy 6 dards .IED
tem 3R01 302 3R03 304 3R06 2R08	Description Body Plates Hinge & Stop Pin Spring Carrier	QTY 1 2 2 1 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel	Plate	Overlay Man	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204	lloy 6 dards .IED
3R01 302 3R03 304 3R06 3R08	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate	QTY 1 2 2 1 2 2 2 2	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel	Plate	Overlay Man ST	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598	lloy 6 dards .IED
BR01 B02 BR03 B04 BR06 BR08 BR08 BR10	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw	QTY 1 2 2 1 2 2 2 2 4	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel	Plate	Overlay Man ST, (if not	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the	dards .IED above)
3R01 302 3R03 304	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate	QTY 1 2 2 1 2 2 2 2 4	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel	Plate	Overlay Man ST, (if not	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598	dards .IED above)
3R01 302 3R03 304 3R06 3R08 3R10 309	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 2 1 2 2 4 1	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved)	Plate	Overlay Man ST (if not MAN	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S	lloy 6 dards .IED above) STD.
3R01 302 3R03 304 3R06 3R08 3R10 309 The materials in	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate the valve description	QTY 1 2 2 1 2 4 1 2 4 1 are cas	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved)	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
3R01 302 3R03 304 3R06 3R08 3R10 309 The materials in	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate the valve description	QTY 1 2 2 1 2 4 1 2 4 1 are cas	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved)	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
3R01 302 3R03 304 3R06 3R08 3R10 309 The materials in	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 1 2 1 2 2 4 1 are cas ically sta rm to NA	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials in delivery of valve	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 1 2 1 2 2 4 1 are cas ically sta rm to NA	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials in delivery of valve	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 1 2 1 2 2 4 1 are cas ically sta rm to NA	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials in delivery of valve	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 1 2 1 2 2 4 1 are cas ically sta rm to NA	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials in delivery of valve	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate	QTY 1 2 1 2 1 2 2 4 1 are cas ically sta rm to NA	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
BR01 B02 BR03 B04 BR06 BR08 BR10 B09 The materials in delivery of valve Notes:	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate the valve description unless it was specificable All materials confor B11 Eyebolt not su	QTY 1 2 1 2 2 4 1 2 4 1 x are cass ically sta	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va ACE MR-01-75 / ISO 15156 2009 Revision. or valves under 20kg.	Plate ied) he material allowed v alve body outer profil	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.
3R01 302 3R03 304 3R06 3R08 3R10 309 The materials in delivery of valve Notes:	Description Body Plates Hinge & Stop Pin Spring Carrier Keeper Plate Retaining Screw Tag/Nameplate the valve description is unless it was specifi All materials confor B11 Eyebolt not su	QTY 1 2 1 2 1 2 4 1 2 4 1 2 4 1 1 2 4 1 1 2 2 4 1 1 2 2 4 1 1 2 2 4 1 1 2 2 4 4 1 1 2 2 2 4 4 1 1 2 2 2 4 4 1 1 2 2 2 4 4 1 1 2 2 2 4 4 1 1 2 2 2 4 4 1 1 1 2 2 2 4 4 1 1 1 2 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1	Material ASTM A105 (Q&T) / A350 LF2 (Dual Certifi ASTM A351 CF8M AISI 316L Stainless Steel Inconel X750 AISI 316 Stainless Steel AISI 316 Stainless Steel 316 Stainless Steel 316 Stainless Steel (Engraved) t / wrought / forged equivalents, to restrict thated and agreed at the point of quotation. Va	Plate Plate	Overlay Man ST (if not MAN will have a dir	Cobalt A ufacturing Stan ANDARDS APPI ASME B16.5 API 594 EN ISO 8062-3 BS EN 10204 API 598 t covered by the UFACTURER'S rect implication o	lloy 6 dards .IED above) STD.



Goodwin International, Goodwin House, Leek Road, Stoke-On-Trent, Staffordshire, England, ST1 3NR TEL: +44 (0)1782 654505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.com THIS IS THE PROPERTY OF GOODWIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION





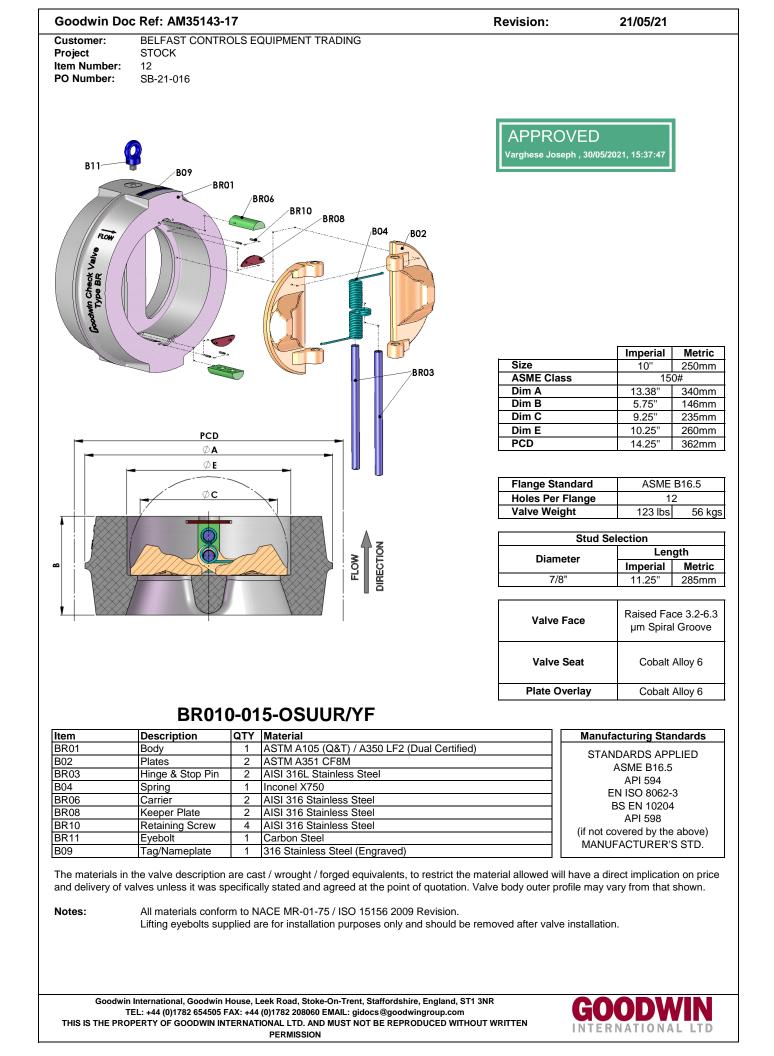


Image: Size 2" 50r Image: Size 2" 50r Image: Size 150# 10b Image: Size 150# 10b Image: Size 10b 10b <td< th=""><th>Goodwin Doo</th><th>c Ref: AM35143-</th><th>1</th><th></th><th>Revision:</th><th>0</th><th>18/05/2021</th><th></th></td<>	Goodwin Doo	c Ref: AM35143-	1		Revision:	0	18/05/2021	
<complex-block></complex-block>	Project Item Number:	STOCK 1	OLS E	QUIPMENT TRADING				
Size250%Size00 </th <th>Check Value</th> <th></th> <th>BROI</th> <th>BRID BROB BO4 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2</th> <th></th> <th></th> <th></th> <th></th>	Check Value		BROI	BRID BROB BO4 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2 BO2				
$ \frac{\frac{2}{100} + \frac{2}{100} + \frac$		PCI	C					Metric
$ \frac{1}{100} 1$								50mm
Image Standard 2.2.30Image Standard 2.3.30Image Standard 3.3.30Image Standard 3.3.30Image Standard 3.3.30Image Standard 3.3.30Image Standard 				- 		5		# 105mm
$ \frac{1}{100} \underbrace{\frac{1}{100} \frac{1$		φΙ		—— - 			2.38"	60mm
$ \frac{1}{1000} \underbrace{1}{1000} \underbrace{1}{100$				<, " 				57mm
Image: start star					PCD		4.75"	120.7mm
Diameter Length Diameter Imperial Met 5/8" 6.5" 165 Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Valve Seat Cobalt Alloy 6 Plate Overlay None None BR002-015-FUUPR/rE Em Description QTY Material R01 Body 1 ASTM A351 CF3M / A182 F316L ASME B16.5 R02 Cobalt Alloy 6 STANDARDS APPLIED ASME B16.5 R03 Hinge & Stop Pin 2 AISI 316 Stainless Steel ASME B16.5 R04 Spring 1 Inconel X750 SB En 10204 API 594 R05 Carrier 2 AISI 316 Stainless Steel SB En 10204 API 598 R05 Retaining Screw 4 AISI 316 Stainless Steel MANUFACTURERS STD. Menterials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price River baove) MANUFACTURERS STD. Manuferial sconform to NACE MR-01-75 / ISO 15156 2009 Revision.					Flange Sta	ndard	ASME B	16.5
Diameter Length Diameter Imperial Met 5/8" 6.5" 165 Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Valve Seat Cobalt Alloy 6 Plate Overlay None None BR002-015-FUUPR/rE Tem Description QTY Material 3R01 Body 1 ASTM A351 CF3M / A182 F316L Output 3801 Body 1 Income 1X750 STANDARDS APPLIED 3R06 Carrier 2 AISI 316 Stainless Steel ASIE B16.5 3R06 Carrier 2 AISI 316 Stainless Steel BS En 10204 3R03 Hinge & Stop P1 4 AISI 316 Stainless Steel BS En 10204 3R06 Carrier 2 AISI 316 Stainless Steel BS En 10204 3R09 Tag/Nameplate 1 316 Stainless Steel MANUFACTURERS STD. 3R09 Tag/Nameplate 1 316 Stainless Steel MANUFACTURERS STD. 3R09 Tag/Nameplate 1 <								1
Diameter Length Diameter Imperial Met 5/8" 6.5" 165 Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Valve Seat Cobalt Alloy 6 Plate Overlay None None BR002-015-FUUPR/rE Manufacturing Standards R01 Body 1 ASTM A351 CF3M / A182 F316L StanDARDS APPLIED R02 Plates 2 Cobalt Alloy 6 ASTM R05 RPPLIED ASTM R05 RPPLIED R03 Hinge & Stop Pin 2 AISI 316 Stainless Steel StanDARDS APPLIED ASTM R05 RPPLIED R04 Spring 1 Inconel X750 Stanless Steel StanDARDS APPLIED R05 Keeper Plate 2 AISI 316 Stainless Steel StanDPLADE AST 8508-002-3 R05 Manufacturing Standards Stanless Steel MANUFACTURER'S STD. MANUFACTURER'S STD. MANUFACTURER'S STD. MANUFACTURER'S STD. Manuerials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implica					Valve Weig	lht	7 lbs	3 kg
Diameter Imperial Imperial 5/8" 6.5" 165 Valve Face Raised Face 3.2.6.3 Spiral Groove Valve Face Raised Face 3.2.6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Valve Seat Cobalt Alloy 6 Plate Overlay None Manufacturing Standards StanDARDS APPLIED STANDARDS APPLIED ASME B16.5 ASME B16.5 ASME B16.5 ASME B16.5 API 594 STANDARDS APPLIED BR06 Carrier 2 AISI 316 Stainless Steel BR08 Keeper Plate 2 AISI 316 Stainless Steel BR09 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 API 598 (f) not covered by the above) MANUFACTURER'S STD. MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price lelivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.						Stud S	Selection	
5/8" 6.5" 165 Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Plate Overlay None BR002-015-FUUPR/YE Material 3801 Body 1 002 Plates 2 2 Cobalt Alloy 6 3803 Hinge & Stop Pin 2 3804 Spring 1 1 Inconel X750 ASIT AlSI 316 Stainless Steel 3808 Keeper Plate 2 3809 Tag/Nameplate 1 316 Stainless Steel ASIT 316 Stainless Steel 309 Tag/Nameplate 1 316 Stainless Steel API 538 09 Tag/Nameplate 1 316 Stainless Steel MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price elivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: Ali materials conform to NACE MR-01-75 / ISO 15156 2009			X.		Diame	eter	V	1
Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Face Raised Face 3.2-6.3 Spiral Groove Valve Seat Cobalt Alloy 6 Plate Overlay None BR002-0015-FUUPR/YE Plate Overlay None None Br01 Body 1 ASTM A351 CF3M / A182 F316L Assisted Standards Standards StanDARDS APPLIED ASR03 Hinge & Stop Pin 2 AISI 316 Stainless Steel Assisted Standards SR06 Carrier 2 BR06 Carrier 2 BR07 1 Inconel X750 SR08 Keeper Plate 2 BR09 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 API 598 (if for covered by the above) MANUFACTURER'S STD. MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price telivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision.				$K \times / X \times$	5/8	"		Metric 165mm
Spiral Groove Valve Seat Cobalt Alloy 6 Plate Overlay None BR002-015-FUUPR/YE Manufacturing Standards SR03 Hinge & Stop Pin 2 AISI 316 L Stainless Steel StanDards StanDards API 594 BR06 Carrier 2 AISI 316 Stainless Steel StanDards Steel StanDards API 594 BR10 Retaining Screw 4 AISI 316 Stainless Steel Bit 10 StanDards Steel API 594 BR10 Retaining Screw 4 AISI 316 Stainless Steel Bit 10 API 593 Br12 AISI 316 Stainless Steel ManuFacturing Standards API 593 BR10 Retaining Screw 4 AISI 316 Stainless Steel API 593 Br13 Bate 13.13 for thinless Steel ManuFacture Steel API 593 Br14 Bate 13.15 Stainless Steel ManuFacture Steel API 593 Br10 Retaining Screw 4 AISI 316 Stainless Steel ManuFacture Steel Br15 Alsi 316 Stainless Steel Coread with eabovel ManuFactrure R's Strure					Valva		Raised Face 3	
Plate Overlay None Plate Overlay None BCD02-015-FUUPRYER Material 1002 Plates 2 101 Body 1 102 Plates 2 102 Plates 2 103 Hinge & Stop Pin 2 104 Spring 1 1050 Carrier 2 1080 Carrier 2 1080 Carrier 2 1090 Tag/Nameplate 1 1090 Tag/Nameplate 1 101 Body 1 and conform to NACE MR-01-75 / ISO 15156 2009 Revision. 101ewise All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. 1011 Bit Eyebolt not supplied for valves under 20kg.						ace	Spiral Gr	oove
BRO02-015-FUUPR/YE tem Description QTY Material 3R01 Body 1 ASTM A351 CF3M / A182 F316L 3802 Plates 2 Cobalt Alloy 6 3R03 Hinge & Stop Pin 2 AISI 316 Stainless Steel ASTM DARDS APPLIED 3804 Spring 1 Inconel X750 ASTM E816.5 3R06 Carrier 2 AISI 316 Stainless Steel BS EN 10204 3808 Keeper Plate 2 AISI 316 Stainless Steel BS EN 10204 3809 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 309 Tag/Nameplate 1 316 Stainless Steel (Engraved) MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price lelivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. State All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg. B11 Eyebolt not supplied for valves under 20kg.					Valve S	Seat	Cobalt A	lloy 6
tem Description QTY Material 3R01 Body 1 ASTM A351 CF3M / A182 F316L STANDARDS APPLIED 302 Plates 2 Cobalt Alloy 6 STANDARDS APPLIED 3R03 Hinge & Stop Pin 2 AISI 316L Stainless Steel ASME B16.5 304 Spring 1 Inconel X750 STANDARDS APPLIED 3R06 Carrier 2 AISI 316 Stainless Steel Steel 3R08 Keeper Plate 2 AISI 316 Stainless Steel BS EN 10204 3R10 Retaining Screw 4 AISI 316 Stainless Steel BS EN 10204 309 Tag/Nameplate 1 316 Stainless Steel MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price telivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg. B11 Eyebolt not supplied for valves under 20kg.		РРОО	2 04		Plate Ov	verlay	None	9
BR01 Body 1 ASTM A351 CF3M / A182 F316L B02 Plates 2 Cobalt Alloy 6 BR03 Hinge & Stop Pin 2 AISI 316L Stainless Steel ASME B16.5 B04 Spring 1 Inconel X750 ASME B16.5 BR06 Carrier 2 AISI 316 Stainless Steel BR08 BR08 Keeper Plate 2 AISI 316 Stainless Steel BS EN 10204 BR10 Retaining Screw 4 AISI 316 Stainless Steel BS EN 10204 BR09 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 BR09 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 BR09 Tag/Nameplate 1 316 Stainless Steel BS EN 10204 API 598 (if not covered by the above) MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price lelivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt	tem		-		[Manu	Ifacturing Stand	dards
302 Plates 2 Cobalt Alloy 6 3R03 Hinge & Stop Pin 2 AISI 316 L Stainless Steel 304 Spring 1 Inconel X750 3R06 Carrier 2 AISI 316 Stainless Steel BS08 3R09 Retaining Screw 4 AISI 316 Stainless Steel BS10 3R10 Retaining Screw 4 AISI 316 Stainless Steel BS10 309 Tag/Nameplate 1 316 Stainless Steel (Engraved) MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price delivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.	3R01	Body	1	ASTM A351 CF3M / A182 F316L				
AR03 Hinge & Stop Pin 2 AISI 316L Stainless Steel 304 Spring 1 Inconel X750 3R06 Carrier 2 AISI 316 Stainless Steel 3R08 Keeper Plate 2 AISI 316 Stainless Steel 3R10 Retaining Screw 4 AISI 316 Stainless Steel 309 Tag/Nameplate 1 316 Stainless Steel 309 Tag/Nameplate 1 316 Stainless Steel Icitie in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price Ieleivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Iotes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.]	017	-	
BR06 Carrier 2 AISI 316 Stainless Steel BS EN 10204 BR08 Keeper Plate 2 AISI 316 Stainless Steel BS EN 10204 BR10 Retaining Screw 4 AISI 316 Stainless Steel API 598 B09 Tag/Nameplate 1 316 Stainless Steel (Engraved) ANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price lelivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Iotes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.					{			
BR08 Keeper Plate 2 AISI 316 Stainless Steel 3R10 Retaining Screw 4 AISI 316 Stainless Steel API 598 309 Tag/Nameplate 1 316 Stainless Steel (Engraved) Image: Constraint of the stain		Carrier						
BR10 Retaining Screw 4 AISI 316 Stainless Steel 309 Tag/Nameplate 1 316 Stainless Steel (Engraved) (if not covered by the above) MANUFACTURER'S STD. The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price lelivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.	3R08			AISI 316 Stainless Steel				
The materials in the valve description are cast / wrought / forged equivalents, to restrict the material allowed will have a direct implication on price delivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.					{		covered by the a	
delivery of valves unless it was specifically stated and agreed at the point of quotation. Valve body outer profile may vary from that shown. Notes: All materials conform to NACE MR-01-75 / ISO 15156 2009 Revision. B11 Eyebolt not supplied for valves under 20kg.	103	T aymamepiate	1 1	שיש שמווובש שולדו (בוושומילט)	J	MAN	UFACTURER'S	STD.
	delivery of valves	s unless it was specif All materials confo	ically st rm to N	ated and agreed at the point of quotation. Valve ACE MR-01-75 / ISO 15156 2009 Revision.				n price and
TEL: +44 (0)1782 654505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.com THIS IS THE PROPERTY OF GOODWIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WITHOUT WRITTEN			Philon I	or tartoo undor zong.				

Customer: Project Item Number: PO Number:	BELFAST CONTR STOCK 4 SB-21-016 B09	OLS E	QUIPMENT TRADING				
Goodwin Check Vale		BR01	BR06 BR10 BR08 B04 B02 B04 B02 B03		PROVEI ae Joseph , 30	D)/05/2021, 15:37:47	
	РС Ф				ſ	Imperial	Metric
	Ø	E		Size		3"	80mm
				ASME Clas	S	300‡	ŧ
	Ø	с	·	Dim A		5.88"	149mn
	1			Dim B		2.88"	73mm
				Dim C		2" 3.42"	51mm 87mm
	1			Dim E PCD		6.75"	168.3m
	The					0.10	
			FLOW	Flange Sta	ndard	ASME B	16.5
		A		Holes Per I		8	10.0
	/ 🚱	$ \gg $	i i	Valve Weig		18 lbs	8 k
	4		KX//X/		C4114 C	Selection	•
				Diam		Leng	th
				Diame	eter	Imperial	Metric
				3/4		8"	205mr
				Valve F	ace	Raised Face 3 Spiral Gr	
				Valve S	Seat	Cobalt A	loy 6
				Plate Ov	verlay	None)
	BR00	3-03	0-FUUPR/YF				
tem	Description		Material		Manu	facturing Stand	dards
3R01 302	Body Plates	1	ASTM A351 CF3M / A182 F316L Cobalt Alloy 6		STA	NDARDS APPL	IED
3R03	Hinge & Stop Pin	2	AISI 316L Stainless Steel	{		ASME B16.5	
304	Spring	1	Inconel X750			API 594	
3R06	Carrier	2	AISI 316 Stainless Steel			EN ISO 8062-3 BS EN 10204	
3R08	Keeper Plate	2	AISI 316 Stainless Steel			API 598	
3R10	Retaining Screw	4	AISI 316 Stainless Steel		(if not o	covered by the a	bove)
309 The materials in t	Tag/Nameplate	1	316 Stainless Steel (Engraved) st / wrought / forged equivalents, to restrict the m	aterial allowed will	MANU	JFACTURER'S	STD.
			ated and agreed at the point of quotation. Valve				i price all
lotes:			ACE MR-01-75 / ISO 15156 2009 Revision.				
	B11 Eyebolt not su	pplied f	or valves under 20kg.				

Goodwin International, Goodwin House, Leek Road, Stoke-On-Trent, Staffordshire, England, ST1 3NR TEL: +44 (0)1782 654505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.com THIS IS THE PROPERTY OF GOODWIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



Goodwin Doc Ref: AM35	143-5	Revision:	0	18/05/2021	
	ONTROLS EQUIPMENT TRADING				
Project STOCK Item Number: 5					
PO Number: SB-21-016					
P	0		APPRO		
B	BR01	Va	arghese Josep	ph , 30/05/2021, 15:3	37:47
	BR06				
nos or	BR10 BR08				
3	B04 B02	l.			
Guodintin Check Value					
5.9 () 5.9 ()					
4 A					
Npood		1			
Let		1			
	BRO	03			
	~ ~				
	PCD			Imperial	Metric
	ØA	Size		3"	80mm
	ØE	ASME Cla Dim A	SS	600# 5.88''	£ 149mm
		Dim A		2.88"	73mm
		Dim C		2"	51mm
		Dim E		3.42"	87mm
		PCD		6.75"	168.3mm
	FLOW	Flange Sta	andard	ASME B	16.5
		Holes Per		8	
		Valve Wei	ght	18 lbs	8 kgs
			Stud	Selection	
		Diam	eter	Lengt	
		3/4	1"	Imperial 9"	Metric 230mm
		0/-	T	5	20011111
		Malas	F	Raised Face 3	5.2-6.3 µm
		Valve	Face	Spiral Gr	
		Valve	Seat	Cobalt Al	loy 6
		Plate O	vorlav	None	<u> </u>
		Fiate C	venay	NOTE	;
	R003-060-FUUPR/YF				1
Item Description BR01 Body	QTY Material 1 ASTM A351 CF3M / A182 F316L			ufacturing Stand	
B02 Plates	2 Cobalt Alloy 6		ST/	ANDARDS APPL ASME B16.5	IED
BR03 Hinge & Stop	Pin 2 AISI 316L Stainless Steel			ASME B16.5 API 594	
B04 Spring BR06 Carrier	1 Inconel X750 2 AISI 316 Stainless Steel			EN ISO 8062-3	
BR06 Carrier BR08 Keeper Plate				BS EN 10204	
BR10 Retaining Sc	rew 4 AISI 316 Stainless Steel		lif not	API 598	hove)
B09 Tag/Namepl				covered by the a	
	ription are cast / wrought / forged equivalents, to restrict th specifically stated and agreed at the point of quotation. Va		ll have a dir	ect implication or	
	conform to NACE MR-01-75 / ISO 15156 2009 Revision. not supplied for valves under 20kg.				
Goodwin International C	odwin House, Leek Road, Stoke-On-Trent, Staffordshire, England,	ST1 3NP			
TEL: +44 (0)1782 6	odwin House, Leek Road, Stoke-On-Trent, Stanfordsnire, England, 5 54505 FAX: +44 (0)1782 208060 EMAIL: gidocs@goodwingroup.con WIN INTERNATIONAL LTD. AND MUST NOT BE REPRODUCED WIT PERMISSION	n			N

