

Australian Government

Department of Home Affairs

Request for Revocation of a Tariff Concession Order (TCO) or Commercial Tariff Concession Order (CTCO)

Please open this form using Adobe Acrobat Reader.

Details of the TCO or CTCO to which

Either type in the fields provided or print this form and complete it using a pen and BLOCK LETTERS. Tick where applicable 📝

This form must be completed by a local producer of substitutable goods who wishes to request the revocation of a TCO or CTCO. All material is regarded as "commercial-in-confidence" and treated in accordance with the Privacy statement on page 6.

The form should be read carefully before being completed. A reference to a Part, section or subsection in this form is a reference to a provision of Part XVA of the *Customs Act 1901*, unless otherwise specified. A reference to TCO in this form is a reference to a TCO or a CTCO.

If you require advice concerning this form, please email tarcon@homeaffairs.gov.au

Gazetted description of ge	oods:	TCO number: 18180210		
PIPES, ductile iron, havin a) cemnet mortar OR poly b) polyurethane OR zinc a c) epoxy OR bitumen finis	g all of the following: rurethane lined; and aluminum OR zinc coated; sh coat	(
Stated use: Transporting	water, sewerage, fluid above and	below ground		
-				
Local manufacturer d	etails			
Name: Steel Mains Pty Ltd				
Business address: 125 - 175 Patullos Lane,	, Somerton, VICTORIA 3062			
Postal address (if the sam as above	e as business address write "as	above"):		S
Australian Business Numb 004 843 056	per (ABN):	Reference: NA		airs
Company contact: s47F	Facsimile number: NA	Phone number: s47F	Mobile number: s47F	e Af
Email address: dean.connell@steelmair	is.com			Hom
Agent / broker details	(if applicable)			of
Agent's name: NA				ent
Business address:				ET .
Postal address (if the sam	e as business address write "as	above"):		Depa
Australian Business Numb	per (ABN):	Agent's reference:		d b
Agency contact:	Facsimile number:	Phone number:	Mobile number:	ease
Email address:	- 1			Rele
		Page 1 of 7	8441 (De	esign date 05/18

Details of the substitutable goods produced in Australia

1. Describe your locally produced substitutable goods

"Substitutable goods" are defined in subsection 269B(1) as "goods produced in Australia that are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods are the subject of the application or of the TCO can be put".

NOTE: Substitutable goods do not have to be identical to the goods that are the subject of the TCO or meet the terms of the wording of the TCO.

PIPES, mild steel, having, but not limited to, all of the following;

a) cement mortar OR polyethylene lined

- bitumen finish coat on cement mortar lining if required

b) polyethylene OR epoxy OR alternative paint system coated

Steel Mains, and its antecedents, have been supplying steel coated and cement mortar lined pipe into the Australian water and wastewater market for over 100 years: Including welded (restrained) and rubber ring (unrestrained) joint types.

2. State the use(s) to which the substitutable goods are put or are capable of being put

Transporting water, sewerage, fluid below and above ground

Pressure and non-pressure applications

Information Act 1982

Freedom of

ELLE

nder

eleased by Department of Home Affairs

3. Attachments Attach technical, illustrative, descriptive material and/or a sample and/or coloured photographs to identification and understanding of the substitutable goods. NOTE: A reference to a website only is not sufficient and may result in your revocation request be consideration.	enable a full and accurate
4. Local manufacturers Are you aware of any other local manufacturers producing substitutable goods? If NO, go to question 6	
5. If YES to question 4	
If yes to question 4, please provide details of any goods produced in Australia which are substituta described by the TCO, and the names and addresses of the manufacturers of those goods. This i revocation request if further information is required in respect of Australian production of substituta	able for the goods covered/ nformation may assist your able goods.
CPC Pipe Systems: Manufacture Glass Reinforced Plastic (GRP) pipe - 11 Christie Rd, Lonsdale, South Australia 5160	
Aultiple Plastic pipe suppliers nationally: PVC and HDPE pipe	
	-
	-
	airs 4080
	e Affe
	Hom
	ant of
	artme
	Dep
	ed by
	0 +
	ea

6. F	rodu		tion of go	ods in Aus	stralia								
Sec	tion 26	69	D provides										
(1)	For the g	th go	e purposes oods are wh	of this Part, olly or partly	goods, oth / manufacti	ner than ur ured in Au	nmanufactu stralia.	ured raw proc	ducts, are ta	iken to be pr	oduced i	n Australia	if
(2)	For f subs	th sta	e purposes antial proces	of this Part, ss in the ma	goods are nufacture o	to be take of the good	en to have l ds was cari	been partly n ried out in Au	nanufacture Istralia.	d in Australia	a if at lea	st one	
(3)	With follo	n o i Wi	ut limiting th ing operatio	ie meaning ns or any co	of the expre ombination	ession <i>sui</i> of those c	bstantial p operations o	does not con	ie <i>manufac</i> stitute such	ture of the g a process:	joods , a	ny of the	
	(a)	C	operations t	o preserve (goods durir	ng transpo	rtation or s	torage;					
	(b)	C	operations t	o improve th	he packing	or labellin	g or marke	table quality	of goods;				
	(C)	¢	operations t	o prepare g	oods for sh	ipment;							
	(d)	\$	simple asse	mbly operat	tions;								
	(e)	c ł	operations t have been r	o mix goods nixed.	s where the	eresulting	product do	es not have	different pro	perties from	those of	the goods	that
A	Are	th	ne goods w	holly or pa	rtly manuf	actured ir	n Australia	?		\checkmark	YES		NO
В	Is at	t le	east one su	ibstantial p	rocess in	the manu	facture of	the			VEC	\square	10
	lf ye	as S,	please spe	cify at least	one major	process in	volved. If a	available colo	oured photo	graphs,	YE9	\cup	NO
	diag	ra	ims or schei	matics relati	ng to the p	roduction	of your sub	ostitutable go	ods may als	so be attache	ed.		
Prod	uct is	1(00% manuf	actured in A	ustralia.								
		*.	0070 111001100-	10141 04 11	66361 6611 664								
			,	The second secon		nd Cemen	t): Local s	appliers to b	oth Somerto	on. Vic and I	N WIIIalla	- ** £`h	
Pipe Steel	Manu - Son - Kw Main	ifa ne in	acture: Stee erton, Victor aana, Wester has capacity	l Coil rolled ria rn Australia y: Over 70,	d, welded, i	formed, co	t): Local s bated and li er year	uppliers to b	oth Somerto 2) Steel Mai	on, Vic and l	uring fac	, wh pilities	
Pipe Steel Sizes	Manu - Son - Kw Main : DN	ne ne in: 110	acture: Stee erton, Victor aana, Wester has capacit 00 - DN250	l Coil rolled ria rn Australia y: Over 70, 0	1, welded, 1 000 tonnes	nd Cemen formed, co s of pipe po	t): Local s pated and li er year	suppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne vin: 11 (11 (acture: Stee erton, Victor iana, Wester has capacit <u></u> 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f 000 tonnes	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	suppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN : DN	nfa ne vin: 1110	acture: Stee erton, Victor nana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f 000 tonnes	nd Cemen formed, co s of pipe po ly	t): Local s pated and li er year	uppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l II (acture: Stee erton, Victor iana, Wester has capacit <u></u> 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	suppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	200
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l II (acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	formed, co of pipe po	t): Local s pated and li er year	uppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	airs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	ufa ne vin: II (II (II (acture: Stee erton, Victor iana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	uppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	ufa ne vina 110 110	acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	uppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	e Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l I10	acture: Stee erton, Victor nana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co of pipe po	t): Local s bated and li er year	uppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	me Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne vins 110 110	acture: Stee erton, Victor iana, Wester has capacit <u>r</u> 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	uppliers to b ined at two (2	oth Somerto	on, Vic and l	uring fac	cilities	Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne vin: II (II (II (acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	l, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	auppliers to b	oth Somerto	on, Vic and l	uring fac	, wa cilities	of Home Affairs
Pipe Steel Sizes	Manu - Son - Kw Main : DN Main	nfa ne ins l IIC	acture: Stee erton, Victor iana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	auppliers to b	oth Somerto	on, Vic and l	uring fac	cilities	t of Home Affairs
Pipe Steel Steel	Manu - Son - Kw Main :: DN Main	ufa ne ins l IIC	acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	l, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	auppliers to b	oth Somerto	on, Vic and l	uring fac	, wa cilities	ent of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne vina 110 110	acture: Stee erton, Victor iana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	d, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	suppliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	cilities	thent of Home Affairs
Pipe Steel Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l IIC	acture: Stee erton, Victor iana, Wester has capacit <u></u> 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	di (ouid di d, welded, f	nd Cemen formed, co s of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	pilities	artment of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l l10 ns o	acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	di (ouid il d, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	pilities	epartment of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l 110 ns o	acture: Stee erton, Victor has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70, 0 er 200 peop	l, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	cilities	Department of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne ins l 110 ns o	acture: Stee erton, Victor hana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria rn Australia y: Over 70,0 er 200 peop	l, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	, wa cilities	by Department of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfa ne vina IS I II (IS 0	acture: Stee erton, Victor iana, Wester has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70,0 er 200 peop	di (ouid il d, welded, f 000 tonnes ole national	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	cilities	d by Department of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfane iin 110 ss (acture: Stee erton, Victori iana, Wester has capacit <u>1</u> 00 - DN250 employs ov	l Coil rolled ria rn Australia y: Over 70,0 er 200 peop	l, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	, wa cilities	ised by Department of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	nfane nee sin sin sin sin sin sin sin	acture: Stee erton, Victor has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70,0 er 200 peop	l, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	pilities	eased by Department of Home Affairs
Pipe Steel Steel	Manu - Son - Kw Main : DN Main	ne in s] []()	acture: Stee erton, Victori iana, Wester has capacit <u>1</u> 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70,0 er 200 peop	l, welded, f	nd Cemen formed, co of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	, wa cilities	Released by Department of Home Affairs
Pipe Steel Sizes Steel	Manu - Son - Kw Main : DN Main	ne in s l IIC ss c	acture: Stee erton, Victor has capacity 00 - DN250 employs ov	l Coil rolled ria m Australia y: Over 70,0 er 200 peop	l, welded, f	nd Cemen formed, co : of pipe po ly	t): Local s pated and li er year	appliers to b ined at two (2	oth Somerto	on, Vic and I	uring fac	pilities	Released by Department of Home Affairs

B441 (Design date 05/18)

Ansv For a 7.1 (i)	ver 7.1 if you consider your substitutable goods are made-to-order capital equi all other goods, go to 7.2 on page 6. <u>Substitutable goods being made-to-order capital equipment</u> "made-to-order capital equipment" means a particular item of capital equipment that basis to meet a specific order rather than being the subject of regular or intermittent in quantities indicative of a production run.	pment (see below). is made in Australia or	
For a 7.1 (i)	Il other goods, go to 7.2 on page 6. <u>Substitutable goods being made-to-order capital equipment</u> "made-to-order capital equipment" means a particular item of capital equipment that basis to meet a specific order rather than being the subject of regular or intermittent in quantities indicative of a production run.	is made in Australia or	2
(i)	"made-to-order capital equipment" means a particular item of capital equipment that basis to meet a specific order rather than being the subject of regular or intermittent in quantities indicative of a production run.	is made in Australia or	
	basis to meet a specific order rather than being the subject of regular or intermittent in quantities indicative of a production run.		a one-off
		production and that is r	not produced
(ii)	capital equipment means goods which, if imported into Australia, would be goods to 90 of Schedule 3 to the <i>Customs Tariff Act 1995</i> would apply.	which Chapters 84, 85,	, 86, 87, 89 or
lf you	ır goods do not fall into both (i) and (ii) above, go to 7.2 on page 6.		-
Subst cours	titutable goods that are made-to-order capital equipment are taken to have been proc e of business if:	duced in Australia in the	ordinary
(a)	a producer in Australia could produce substitutable goods, in respect of the goods th with existing facilities; and	e subject of the TCO of	r CTCO,
(b)	the substitutable goods the producer could produce would be made-to-order capital	equipment; and	
(c)	in the 5 years before the request for revocation was lodged, the producer has made skills, technology and design expertise as the substitutable goods the producer could	goods requiring the sar produce; and	ne labour
(d)	the producer in Australia is prepared to accept an order to supply the substitutable go of the TCO.	oods in respect of good	s the subject
Α	Could the applicant produce substitutable goods, in respect of the goods the subject of the TCO, with existing facilities?	YES	
В	Would the substitutable goods the applicant could so produce be made-to-order-capital equipment?	YES	NO
с 	Has the applicant in the last 5 years made goods requiring the same labour skills, technology and design expertise as substitutable goods to the goods the subject of the TCO application?	YES	NO NO
1	If yes, describe the goods made during this period and the relevant labour skills, technology and design expertise related to the production of these goods.		
I	Please provide an invoice, order or tender document for the goods.		
NA			
			SN 1
			198
			of '
			e A
			in tiot
			Ho
			of
			ent
			of
			art mr
			ep jei
			y L Tet
			d b
р ,	the applicant prepared to account an order to supply substitutely and the		se
f	or the goods the subject of the TCO?	YES	
			Re

substitutable goods (other than made-to-order capital equipment and for goods sent out of goods the subject of a TCO application are taken to be produced in Australia in the ordinant	A control in the second state	na latina d
	Australia for repair) in y course of business if	relation to
a) they have been produced in Australia in the 2 years before the application was lodged	d; or	
 they have been produced, and are held in stock in Australia; or 		
c) they are produced in Australia on an intermittent basis and have been so produced in was lodged;	the 5 years before the	e application
and a producer in Australia is prepared to accept an order to supply such goods.		
Have the goods been produced in Australia in the last 2 years?	YES	NO
3 Have the goods been produced and are they held in stock in Australia?	VES	
If the goods are produced in Australia on an intermittent basis, have they been so produced in the 5 years before the revocation request was lodged?	YES	NO NO
Are you prepared to accept an order for the goods?	VES	NO
In the the test one involce showing the sale of substitutable goods to customers of the TCO application. If the goods are produced on an intermittent basis, then the invoice/ to the date. If production has ceased, but stock is still on hand in Australia, attach a copy of bsence of a sale, please provide relevant advertising material, such as a catalogue, to den b accept an order for the substitutable goods in the above periods. An order cancelled by the	in the 2 years prior to 's may be from the 5 y stock records to this e nonstrate that you wer he customer may also	ears prior effect. In the re prepared suffice.
. Commencement of production of substitutable goods		
What was the date on which you were first prepared to accept an order? his date must be on or before the date the revocation request was lodged.	01-Jan-2000	
re the goods still in production?	YES	NO NO
the answer is no, when did production cease?	1	1
). If, in your opinion, a narrower TCO is appropriate, please suggest an amen xclude the locally produced goods from the goods the subject of the revoca	ided form of words ation and at the sar	that will ne time
. If, in your opinion, a narrower TCO is appropriate, please suggest an amer xclude the locally produced goods from the goods the subject of the revoca reserve concessional entry for the balance of the imported goods A	ided form of words	that will ne time
9. If, in your opinion, a narrower TCO is appropriate, please suggest an amer exclude the locally produced goods from the goods the subject of the revoca preserve concessional entry for the balance of the imported goods A	ided form of words	that will ne time
9. If, in your opinion, a narrower TCO is appropriate, please suggest an amer exclude the locally produced goods from the goods the subject of the revoca preserve concessional entry for the balance of the imported goods. A	nded form of words ation and at the sar	e that will ne time Affairs

Notes

- (a) Section 269SB(1) states if a TCO is in force on a particular day; and a person claiming to be a producer in Australia of substitutable goods in relation to the goods covered by that TCO is of the view that if the TCO were not in force on that particular day and that particular day were the day on which the TCO application was lodged, the TCO would not have been made; the person may request the Comptroller-General of Customs to revoke the TCO.
- (b) Section 269SB(2) requires a request for the revocation of a TCO (or CTCO) to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. This is the approved form for the purposes of that section.
- (c) Sub item 38(1) of Schedule 1 to the *Customs Amendment Act 1996* provides that for the purposes of revocation of a CTCO, the *Customs Act 1901* as amended by the first mentioned Act applies as though the CTCO were a TCO.
- (d) The request will be date stamped on the day it is first received by an officer of Customs. Any resultant revocation comes into force on that day. Instructions on how this form may be lodged are provided at the end of this form.
- (e) All questions relevant to your request must be answered.
- (f) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.
- (g) If you wish to provide any additional information in support of your request, that information may be provided in an attachment.
- (h) The Comptroller-General of Customs may require you to substantiate, with documentary evidence and/or a site visit to your premises, information provided in relation to the request for revocation.
- (i) Section 269SC provides that the Comptroller-General of Customs may revoke a TCO (or CTCO) and make a narrower TCO in its place.
- (j) Further information on the Tariff Concession System is available in the Domestic manufacturers: importers page on the Internet at www.homeaffairs.gov.au/busi/domestic-manufacturers-and-importers or by emailing tarcon@homeaffairs.gov.au
- (k) Decisions made as a result of a local manufacturer revocation request pursuant to section 269SB may, upon application, be subject to internal review within 28 days of gazettal of the decision pursuant to section 269SH and then possible further review by the Administrative Appeals Tribunal pursuant to section 269SHA and section 273GA.

ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an v.au, when it is first accessed by an officer of Customs, as
ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an <i>t</i> , <i>au</i> , when it is first accessed by an officer of Customs, as
ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an tau, when it is first accessed by an officer of Customs, as
ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an <i>t</i> , <i>au</i> , when it is first accessed by an officer of Customs, as
ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an v.au, when it is first accessed by an officer of Customs, as
ned in this form including any attachments is correct and supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an <i>n</i> .au, when it is first accessed by an officer of Customs, as
supporting documents are provided; and facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an au, when it is first accessed by an officer of Customs, as
facsimile) that, for the purposes of subsection 14(1) of aken to have been lodged when it is first received by an au , when it is first accessed by an officer of Customs, as
ate
08-Feb-2019
ne statement is misleading in a material particular.
following
ts Invoices / orders / tender documents
HE COMPTROLLER-GENERAL OF CUSTOMS BY:





SINTAKOTE® STEEL PIPELINE SYSTEM

FOR POTABLE WATER AND AGGRESSIVE FLUIDS APPLICATIONS

Steel Mains is Australia's leading manufacturer and supplier of complete steel pipeline systems for the transportation of water and wastewater, offering a total solutions approach to its customers.

Throughout Australia and the rest of the world, steel pipelines have long been used in water supply, particularly where high pressures, difficult laying conditions or security of supply, have required the strength and toughness of steel.

Steel Mains and its forerunners have traditionally been at the forefront of developments in the water industry for more than 125 years of manufacturing pipelines in Australia. Over that period steel pipeline design, manufacturing processes and technology have evolved into the SINTAKOTE[®] steel pipeline system further explained in this brochure.



Today, Steel Mains products and services cover a range of industry needs both within Australia and globally, delivering quality, strength, durability and endurance.

Steel Mains... Solutions for Life

WWW.STEELMAINS.COM





We all depend on the continuous supply of clean fresh water to live, produce food and deliver goods and services.

Satisfying this demand for water requires pipeline systems which consistently and reliably deliver quality water, year after year.

This performance must be achieved under a range of operating conditions for pipelines, both buried and exposed, accommodating static and transient pressures, resisting external loads from earth, ground movement and vehicle loading and withstanding exposure to multiple environments without requiring any maintenance over the pipelines life.

To perform as required pipeline systems must be capable of being handled, transported and installed without damage and be resistant to long term loss of strength, damage or effecting water quality through corrosion, ageing and other external effects.

Our communities expect water supply to be delivered in the most economical way, at minimum cost, over the life of the pipeline and without interruption.

The superior strength and ductive of steel, combined with world class pipeline and joint corrosion protection systems, ensure that Steel Mains provide the answer for water supply and many other applications.

198 Act under the Freedom of Information

SINTAKOTE STEEL PIPELINE SYSTEM

For almost 40 years Steel Mains has been supplying the SINTAKOTE® pipeline system and, for more than 30 years, its SINTAJOINT® push-in socket to the markets in Asia Pacific. This system has demonstrated outstanding performance both above and below ground in thousands of different applications and environments.

The SINTAKOTE technology has been developed into several core pipeline systems which can be tailored to suit specific applications along with the operating environment and consists of coating, lining and a joint system on both pipes and fittings.

Steel Mains manufactures steel pipeline systems in a comprehensive range from 100mm to 2500mm nominal diameter including all ISO and Australian Standard diameters. Pipes can be manufactured in a range of effective laying lengths from 6.0 to 13.4 metres with wall thicknesses ranging from 4.5mm to 20mm.

A full range of fittings from simple bends, tees, reducers, branches to complex fittings such as trifurcates can be supplied separately with SINTAJOINT for pushing together or any of our full range of welded joints for welding on site.

Rated pipe pressures are based on diameter, wall thickness and steel strength. Rated pressures for SINTAJOINT are typically up to 4.25MPa for pipe diameters up to DN 1000 with fully welded joints capable of even higher pressures.

SINTAKOTE

A factory applied external fusion bonded polyethylene coating proven to provide superior external corrosion protection in almost all operating environments.

SINTAKOTE is recognised by the water industry as the premium corrosion protection system for steel water pipelines. Also widely specified in marine piling applications and can be installed above or below ground.



SINTAJOINT



A combination of a SINTAKOTE® pipe with an integrated push-in rubber ring joint and cement mortar lining providing complete end to end corrosion protection.

The SINTAJOINT® system is renowned for its total protection of steel pipelines and rapid construction in the field. Unmatched by any other rubber jointed pipeline system.

SINTALOCK



SINTALOCK[®] is a patented external welded rubber ring jointing system with the additional feature of being able to self resist end loads.

SINTALOCK does not require entry to the pipe during construction. No internal coating or lining reinstatement is required to maintain the factory applied end to end corrosion protection system.

SINTAPIPE®



The use of SINTAKOTE externally as a coating and internally as a lining, complete with the SINTAJOINT rubber ring joint system, provides a pipe and fittings system completely encapsulated end to end in fusion bonded polyethylene combined with factory finished pre-configured fittings ready for assembly on site.

The application of SINTAKOTE internally is designed for aggressive media, desalinated water, gravity sewers or drainage applications where cement mortar is not suitable.

ADVANTAGES SINTAKOTE STEEL PIPELINES

PRESSURE CLASS DESIGN

SINTAKOTE® Steel Pipe is designed for internal pressures and resistance to external loads using Australian standards. Steel pipe's strength and versatility enable customised pressure class or rated designs to meet the performance criteria specified, thereby optimising pipe wall thickness and overall costs.

CORROSION PROTECTION

SINTAKOTE has almost 40 years proven operating experience in providing superior corrosion protection both below ground in a wide variety of soil conditions, from desert sands to aggressive saline soils and above ground, exposed to direct sunlight, without significant deterioration or any requirement for ongoing coating maintenance.

JOINT COATING

Every SINTAJOINT[®] rubber ring joint pipe is completely coated on the outside, through the socket area including under the rubber ring, ending beneath the cement lining.

No part of the steel pipe is exposed to the media and there is no interface where the coating ends and linings start. The SINTAKOTE system is a complete end to end envelope coating system isolating all ferrous material from the external and internal environments. This dramatically extends pipeline life and improves water quality compared to alternative materials.

IONG TERM PERFORMANCE

Cement mortar lined steel pipe protects SINTAKOTE steel pipe from corrosion and ensures its ability to maintain its high initial flow capacity over the design life of the pipeline.



ECONOMY IN INSTALLATION

SINTAKOTE offers benefits simi to ductile iron - fast laying without welding or joint repair. However with steel pipe lengths up to 13.4 metres long the number of joints that need to be made on site can be reduced by up to 50%. Steel pipelines include a wide range of fittings and custom 🔭 fabricated components to meet all 0 special requirements. Fittings such as offtakes and bends can be bull Freed into straight pipe lengths furthe increasing installation efficiency on site. the Released

nder



LOWER COSTS THROUGH STRENGTH

Steel offers the greatest strength, in proportion to wall thickness, of any commercial piping material. This enables steel pipe to be tailored to the system operating pressure over the length of the pipeline reducing pipe and installation costs. In above ground installations steel pipe spans can be significantly longer than alternative materials, minimising support and installation costs.

With steel tensile strengths of 300MPa and higher, allowable operating pressures ranging from 1.2MPa to more than 6.8MPa and bursting strength equal to three times design allowable operating pressure, steel pipe offers unequalled safety and light weight.

RELIABILITY AND DUCTILITY UNDER STRESS

SINTAKOTE® Steel Pipe delivers an elongation factor of at least 22% and can withstand stress and strains without breaking under shocks from water surge, waterhammer, vibrations, etc.

WELDED AND **RUBBER RING JOINTS**

Welded joints provide structural integrity and eliminate the need for thrust blocks especially above ground. Rubber ring joints allow simple, fast construction and minor changes in alignment and ground settlement and provide a factory coated joint eliminating on site coating reinstatement quality risks With SINTALOCK[®], pipe designers can combine both these benefits in a single joint, allowing flexibility in pipeline design and construction.

Act 198 Affairs mation ntor of ee È the Inder

elea

A HISTORY OF MANUFACTURING YESTERDAY & TODAY



Steel Mains and its forerunners have been manufacturing steel pipelines in Australia for more than 125 years. Starting with Mephan Ferguson, who designed and manufactured the first 'Lock Bar' steel water pipe, in Melbourne Australia in 1896. Since then steel pipeline design, manufacturing processes and technology have evolved into the SINTAKOTE® steel pipeline system found in this brochure.

SERVING THE WATER INDUSTRY

Steel Mains offers a complete steel pipeline system covering all water industry applications including: potable water, industrial water, saline waters, sewage rising mains, slurry pipelines, pipelines with aggressive media and marine structural piling.

Steel Mains experience and expertise in steel pipelines ensures all the answers to pipeline design, installation, operation and service are covered by our highly experienced staff. Steel Mains maintains a dedicated engineering team to assist clients with pipeline designs for specific applications and installations and a comprehensive steel pipeline design manual to assist clients with design calculations.





The manufacture of steel pipe is carried out in several stages:

carried out in several stages:
pipe forming
end preparation
hydrostatic testing (not for structural or piling)
coating
lining

PIPE FORMING
Steel pipes are manufactured by spiral forming the pipe from steel coil.
The spiral forming process uses not rolled steel coil as a raw materiate The steel is uncoiled, levelled and The steel is uncoiled, levelled and passed through a forming station that spirals the steel to the required outside diameter.

Φ ler th 2





The spiral seam is welded both internally and externally as part of the forming process. The pipe shell is then cut to the required length as it travels out of the forming and welding machine.

All welding is carried out using the automatic submerged arc welding process.

END PREPARATION

Pipes have their ends prepared depending on the jointing system being used.

HYDROSTATIC TESTING

Pipes for water supply pressure applications are hydrostatically tested to prove the steel and weld strength and that each pipe is water tight.

The strength test is carried out at 90% of the steet minimum of 8.5MPa, Strength, to a maximum of 8.5MPa, S all carried out at the pipes rated pressure, which is equivalent to a stress of 72% of the steel minimum yield strength to a maximum of tment of Hom 6.8MPa.

Pipes for non water supply / structural purposes are not hydrostatically tested unless requested at order placement.



COATINGS WORLD CLASS



SINTAKOTE® (Fusion Bonded Polyethylene or FBPE) has been applied by Steel Mains, in Australia, since the early 1970's.

Polyethylene has replaced all other coatings for the vast majority of steel water supply pipelines laid in Australia.



SINTAKOTE

SINTAKOTE is a medium density polyethylene which is applied to the pipe by a fusion bonding process. Polyethylene, supplied as a powder, is fusion bonded onto a blasted preheated steel pipe. This process provides a continuous and holiday free coating, with a smooth surface, ideal for above and below ground applications even in aggressive soils and when exposed to direct UV sunlight.

SINTAKOTE was developed by Steel Mains, in conjunction with Australian Water Authorities, to overcome pipeline failures due to inadequate coating systems. A worldwide research project was undertaken by Steel Mains to find the best coating system available. Further developments have maintained SINTAKOTE as a world leading coating and lining system for steel water pipelines.

Above. The bare steel surface of the pipe is cleaned by grit blasting to ensure an excellent bond between the steel and the coating. The pipe is heated and then dipped into a fluidised bed of polyethylene powder that fuses directly onto the heated surface.

LININGS WORLD CLASS

The function of an internal lining is to provide a smooth bore to maximise flow capacity and minimise internal corrosion over the life of the pipe. In potable water applications, linings should not unduly affect the quality of the water being transported.

SINTAPIPE

SINTAPIPE® has a fusion bonded polyethylene lining applied to the inside of steel pipes. SINTAPIPE is ideal for aggressive water applications such as high CO_2 water, septic sewage, trade wastes and highly saline water. It can operate at temperatures up to 50°C.

SINTAPIPE makes use of the SINTAJOINT[®] rubber ring jointing system to provide an unbroken, end to end, coating system.



CEMENT MORTAR LININGS

Cement mortar linings provide the required standards of corrosion protection performance, at low cost, over long periods of service in potable water applications. The lining actively prevents corrosion by passivating the steel and can be expected to achieve a service life well in excess of 100 years. Cement mortar linings are also used for wastewaters and saline waters. In these cases Steel Mains can assist designers with specifications for special cement lining and treatment to suit water chemistry and required design life. High alumina cements are often required for aggressive sewerage.

Cement lining is applied by spinning the pipe in a centrifugal process that results in a dense lining with a smooth surface. The lining is cured for a minimum of four days before the pipe is transported for installation. The dense lining produced offers good chemical resistance to potable water, saline and wastewater applications.

Cement mortar linings using General Purpose (GP), General Blend (GB), Sulfate Resistant (SR) and Calcium Aluminate (CA) are available.

Reinstatement of internal field joints when the pipe is welded is a simple task, requiring minimal skill, to achieve an integrated lining.



JOINTING SINTAKOTE STEEL PIPELINES

SINTAKOTE® steel pipeline systems can be connected via a wide variety of jointing systems. To accommodate project specific needs a wide variety of joints are available from Steel Mains. Joints for water pipelines will depend upon the specific requirements of the construction and performance of the pipeline.



RUBBER RING JOINTS

SINTAJOINT® is a rubber ring joint specifically designed to eliminate the need for any on site field reinstatement after assembly on site. It provides a factory applied coating system, that is continuous within the joint, with it's interface under the cement lining ensuring a complete envelope coating end to end.

SINTALOCK[®] provides all the benefits of SINTAJOINT and when combined with external welding, enables construction of a fully end restrained pipeline without the need for concrete thrust blocks. This is a significant improvement on welded joints as it eliminates the safety issues associated with entry. SINTALOCK is also much faster to install as only external welding is required.

SINTAJOINT is available in pipe sizes from DN 300 to DN 1800. Each joint provides angular deflection up to 3° dependent on diameter. In some special situations where ground strains are expected to be high, e.g., in a mine subsidence area, deep entry SINTAJOINT can be provided to accommodate the greater axial displacements expected.





SINTALOCK - WELD



WELDED & MECHANICAL JOINTS

For welded joints and SINTALOCK[®] joints post weld reinstatement is achieved using a heatshrink sleeve applied to the joint overlapping and sealing onto the SINTAKOTE[®]. Once applied this sleeve maintains a continuous external coating system minimising risks of poor quality on site joint reinstatement.

CATHODIC PROTECTION

SINTAJOINT® pipe provides a 100% insulated joint. Unlike other ferrous pipe joints, each SINTAJOINT pipe is electrically isolated, regardless of joint deflection or entry depth, making it resistant in areas where stray currents occur. Where owners elect to install cathodic protection each pipe end is supplied with factory fitted cathodic protection (CP) lugs to ensure easy and effective electrical continuity between pipes.







FLANGED JOINT









FITTINGS FOR ANY APPLICATION

Steel Mains has the capability of supplying a full range of fittings, including fittings fabricated from pipe and/or cylinders rolled and welded from plate steel up to a thickness of 40mm.

Steel Mains Steel Pipeline System Fittings are often manufactured to suit the specific needs of customers and a wide range of steel fabricated fittings can be supplied in addition to the standard range. For example expansion joints, purpose designed dismantling joints for high pressure applications and complex fittings such as bifurcates and trifurcates. Fittings are typically coated in SINTAKOTE® and cement mortar lined with welded, flanged or SINTALOCK® joints.

Each fitting is designed for the application with appropriate reinforcement. Where required, Steel Mains staff work with pipeline designers to maximise the efficiency of the system in the design phase, and Steel Mains supply the complete pipe and fittings solution to allow for efficient time saving installation.

SINTALOCK FITTINGS

Steel Mains range of SINTALOCK external welded restraint, rubber ring joint steel pipeline fittings components brings new economies to fittings manufacture and field construction.

SINTALOCK fittings allow construction of a complete rubber ring jointed pipeline system. Bends are incorporated with a SINTALOCK socket which are then welded to the spigot end of a specially prepared pipe with a standard SINTAJOINT[®] socket end and SINTALOCK spigot end. Tees and valve and scour offtakes are available as standard system components.

This eliminates the requirement for cement mortar lining reinstatement at the bend while taking full advantage of the benefits of SINTAJOINT and SINTALOCK. Tapers, reducers and bends can be incorporated with SINTALOCK joints.







Hockey Stick SINTALOCK® and SINTAJOINT® pipes feature a rubber ring jointed socket at angles up to 15 degrees. Coupled with the available angular deflection in the joint, (up to 3 degrees), significant changes in direction can be accommodated using several 'Hockey Sticks' in series.

Pipeline bends can be supplied to any angle from 1° to 90°.

Tee branches can be supplied in any standard diameter not larger than the body of the tee. Branches may be flanged or provided with either spigot or socket for rubber ring jointing to suit the demands of your pipeline system.

Reinforcing of tee branches is available as required.





SINTAKOTE STEEL PIPELINE SYSTEM

MATERIALS RESEARCH

Steel Mains–Technologies is an independently accredited test facility specialising in the development of materials specifically for water industry applications. The facility provides a wide range of research in the areas of pipeline materials, welding technology, metallurgy, pipeline performance and protective coatings.

Steel Mains–Technologies is dedicated to the continual improvement of pipeline systems. Highly qualified staff with expertise in materials science and engineering keep abreast of, and in some cases, lead world technology in steel pipe design manufacture and performance.

The current SINTAKOTE® material and SINTALOCK® pipe joint are among the many products developed by this facility. The services of Steel Mains–Technologies are available to help solve your particular pipeline problems.

RECOGNISED INSTALLATION TRAINING

It is widely recognised that by following proper installation procedures, steel pipeline systems can readily achieve operational lifetimes of over 100 years.

For more than 20 years, Steel Mains has promoted quality pipeline installation through our formally accredited training program for steel pipes. Most Australian water authorities insist on accreditation to the program as mandatory competency requirements for contractors installing steel pipe.

The program provides hands on training for the installation and commissioning of SINTAKOTE pipe and fittings, in local languages, directed at supervisors and installers.

PIPELINE PERFORMANCE IS ASSURED

All Steel Mains design and manufacturing facilities operate under accredited Quality Assurance systems, producing premium pipeline systems to Australian or other specified Standards. Many of our manufacturing sites have been Quality Accredited for more than 20 years. These accreditations assure that our products are fit for purpose.

Our accredited training courses in pipeline installation go further to provide added insurance that the installed product will continue to perform for its design life and beyond.

STANDARDS

Manufacturing systems are accredited to AS/NZS ISO 9001 –



Quality management, ISO14001 -Environmental management and AS/NZS 4801 - Occupational health and safety management.

0

0

nder

Quality Endorsed Company SINTAKOTE Steel Pipe and Fittings are accredited with product StandardsMark Licende to AS1579 - Arc welded steel pipe fittings for water and wastewater







14

STEEL MAINS

Steel Mains has an extensive history in Australia's major water pipeline infrastructure projects. This involvement has not been limited to manufacture and supply. In some instances the design, project management and construction have been Steel Mains responsibility. Think of any recent major water pipeline project and Steel Mains was involved. Either in design, supply, construction or commissioning, and with some projects, all of these functions. For all your water industry pipeline needs Steel Mains has the solutions.

VICTORIAN DESALINATION TRANSFER PIPELINE

Persistent severe drought conditions in Victoria, Australia lead to the construction of a state of the art desalination plant and DN 1900, 84km long, welded ball and socket joint, SINTAKOTE® pipeline transporting water from Wonthaggi Desalination Plant to Cardinia Reservoir



WOLEEBEE CREEK TO GLEBE WEIR

Steel Mains manufactured and supplied 120 kilometres of large 914-1404mm diameter steel pipe and fittings for SunWater's Woleebee Creek to Glebe Weir Pipeline project. The pipeline will deliver up to 36,500ML of treated CSG water annually to irrigation and industrial customers. A total of 10,000 pipes and 3,500 fittings were delivered on time and on budget



WIMMERA-MALLEE

Supply of a new pressurised pipeline water supply system to replace the existing channel delivery system. 64km of DN 1000 SINTAJOINT® RRJ and welded steel pipe and 30km of DN 700 SINTAJOINT RRJ and welded steel pipe





STEEL MAINS MAJOR PROJECT EXPERTISE





BURDEKIN TO MORANBAH

Water supply pipeline from Burdekin to Moranbah. 172km of DN 800 SINTAJOINT RRJ and spherical slip-In welded joint steel pipe



SOUTH EAST QUEENSLAND WATER GRID

The South East Queensland Water Grid consists of the Northern Interconnector Pipeline, the Southern Regional Water Pipeline, the Eastern Interconnector Pipeline and the Western Corridor Recycled Water Scheme. Steel Mains supplied 334km of SINTAKOTE steel pipe and fittings in sizes ranging from DN 800 to DN 1400.

NEWATER

As Singapore developed New Water to become a world leader in reuse water management, the Public Utilities Board required a pipeline that could handle aggressive desalinated water. In 2003 and 2004 Steel Mains provided over 30km of DN 800 and DN 900 SINTAPIPE®, complete with SINTAJOINT® pipe and fittings, for 7 different projects. Pipe was supplied in pre configured lengths with pipe and fittings coloured lilac (SINTAKOTE®) representing non potable water



BALLARAT LINK OF THE GOLDFIELDS SUPERPIPE

Supply of a pressure pipeline from Sandhurst Reservoir to the White Swan Reservoir. 47km of DN 800 SINTAJOINT RRJ steel pipe

SUGARLOAF INTERCONNECTOR

Supply of a pressure pipeline from Eildon Reservoir to Sugarloaf Reservoir. 50km of DN 1750 and 20km of DN 1400 SINTAKOTE® ball and socket joint welded pipe

NEW ZEALAND & PACIFIC ISLANDS

Over 25km of various sizes SINTAKOTE and SINTAJOINT[®] pipes on five different projects in the region







UNITED ARAB EMIRATES

In the last 10 years Steel Mains has supplied over 168km of SINTAJOINT pipe in sizes from DN 800 to DN 1600 to the UAE for various water pipelines

Freedom of Informatio

under the

Hoh

SINTAKOTE STEEL PIPELINE SYSTEM 17



WWW.STEELMAINS.COM

REGIONAL SALES OFFICES

QUEENSLAND NORTHERN TERRITORY NSW-NORTHERN P 07 3435 5506 M 0428 818 436 greg.kennedy@steelmains.com

NEW SOUTH WALES M 0439 268 488 todd.miklich@steelmains.com

VICTORIA, TASMANIA NEW ZEALAND PACIFIC ISLANDS P 03 9217 3111 M 0400 847 587 joe.elzein@steelmains.com

SOUTH AUSTRALIA WESTERN AUSTRALIA P 08 9437 8204 M 0459 896 932 amir.vahdani@steelmains.com

EXPORT P +61 3 9217 3170 M +61 418 384 109 rodney.glocer@steelmains.com

STEEL MAINS PROPRIETARY LIMITED

125-175 PATULLOS LANE, SOMERTON, VICTORIA 3062 WWW.STEELMAINS.COM

All Steel Mains trademarks and logos are owned by Steel Mains Proprietary Limited. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Steel Mains reserves the right to change specifications without prior notice. SMCB0415.2 © 2015 Steel Mains Proprietary Limited. All Rights Reserved.



SINTAKOTE® WELDED CONNECTIONS

Welded joints provide 100% structural integrity. Where an internal and external weld is used, this can permit a pneumatic test of the field weld prior to backfilling. Steel Mains offers a variety of welded connections to suit various applications and can be combined with rubber ring joint pipes using 'changeover' pipes to achieve optimal outcomes both in terms of design and construction of water pipelines.



SPHERICAL SLIP-IN JOINT (SSJ) FOR SMALL-MEDIUM DIAMETERS



Sizes: 168mm to 1422mm OD Joint deflection: Up to 3° Pressure rating: Full pipe pressure Wall thickness: Up to 11mm

ADVANTAGES

- Permits internal & external fillet weld for larger than 762mm
- Enables pneumatic field testing of joint—if welded internally
- Full axial restraint—reducing requirement for concrete thrust restraint
- Minimises bends using joint deflection
- Compatible with SSJ fittings

BEST FOR: Welded restraint in smaller to medium diameter pipelines

VICTORIA, TASMANIA

joe.elzein@steelmains.com

amir.vahdani@steelmains.com

NEW ZEALAND

P 03 9217 3111 M 0400 847 587

P 08 9437 8204

M 0459 896 932

PACIFIC ISLANDS

SOUTH AUSTRALIA

WESTERN AUSTRALIA

WWW.STEELMAINS.COM

REGIONAL SALES OFFICES

QUEENSLAND NORTHERN TERRITORY NSW-NORTHERN P 07 3435 5506 M 0428 818 436 greg.kennedy@steelmains.com

NEW SOUTH WALES M 0484 193 196 carl.mackaway@steelmains.com

BALL & SOCKET JOINT (BSJ) FOR MEDIUM-LARGE DIAMETERS



Sizes: 914mm to 1981mm OD Joint deflection: 3° all sizes Pressure rating: Full pipe pressure Wall thickness: Up to 20mm

ADVANTAGES

- Permits internal & external fillet weld for all sizes
- Enables pneumatic field testing of joint
- Full axial restraint—reducing requirement for concrete thrust restraint
- Minimises bends using joint deflection
- Compatible with BSJ fittings
- Increased ring stiffness of joint for easy assembly

BEST FOR: Welded restraint in medium to large diameter pipelines; Minimising bends using joint deflection, reducing requirement for concrete thrust restraint

> EXPORT P +61 3 9217 3170 M +61 418 384 109

rodney.glocer@steelmains.com

BEST FOR: Field make-up piece

STEEL MAINS PROPRIETARY LIMITED

125-175 PATULLOS LANE SOMERTON, VICTORIA 3062

All Steel Mains trademarks and logos are owned by Steel Mains Proprietary Limited. All otr brand or product names are trademarks or registered marks of their respective owner S Because we are continuously improving our products and services, Steel Mains reserves the right to change specifications without prior notice. SMWC1705 © 2017 Steel Mains Proprietary Limited. All Rights Reserved.

WELD COLLAR (WC) FOR MAKE-UP PIECES

Sizes: All diameters Joint deflection: 0° Pressure rating: Full pipe pressure Wall thickness: As required

ADVANTAGES

- External and internal fillet weld -where entry permits
- Enables pneumatic field testing of joint-if internally welded
- Full axial restraint—reducing requirement for concrete thrust restraint

198

Information Act

Freedom of

Φ

2

P

nnd

Affairs

T

Jo

Department

2

- Can be prepared in the field

cut pipe to required length





SINTAJOINT RUBBER RING JOINT (RRJ)

SINTALOCK[®]-TYPE I RUBBER RING JOINT + WELD

SINTALOCK-TYPE II RUBBER RING JOINT + WELD



Sizes: 324mm to1829mm OD Joint deflection: Up to 3° Pressure rating: Up to PN 42.5

Wall Thickness: Up to 12mm

ADVANTAGES

- Extremely fast installation speeds
- Fastest pipe lay rates
- No additional joint corrosion protection required
- Electrically insulated joint
- Fully protected joint internally for aggressive fluids

BEST FOR: Straight runs-where high installation rates can be achieved



Sizes: 324mm to 1422mm OD Joint deflection: 1.1° Pressure rating: Dependant on diameter and wall thickness Wall thickness: Up to 10mm

ADVANTAGES

- External fillet weld only
- Full axial restraint
- No internal reinstatement
- Enables pneumatic field testing of joint
- Fully protected joint internally for aggressive fluids

BEST FOR: Combining the speed and efficiency of Sintajoint RRJ with the full restraint of a welded connection—laying can continue ahead of weld completion

Sizes: 502mm to 1829mm OD Joint deflection: 1.1° Pressure rating: Up to PN 42

Wall thickness: Up to 12mm

ADVANTAGES

- External fillet weld only
- High strength full axial restrained rubber ring joint
- No internal reinstatement
- Enables pneumatic field testing of joint

198

Act

Information

Freedom of

Φ

2

P

nnd

2

- Fully protected joint internally for aggressive fluids

BEST FOR: Combining the speed and efficiency of Sintajoint RRJ and efficiency of Sintajoint RRJ ewith the full restraint of a welded connection in high pressure 5 pipelines Department

WWW.STEELMAINS.COM

REGIONAL SALES OFFICES

QUEENSLAND NORTHERN TERRITORY NSW-NORTHERN P 07 3435 5506 M 0428 818 436 greg.kennedy@steelmains.com

NEW SOUTH WALES M 0484 193 196 carl.mackaway@steelmains.com VICTORIA, TASMANIA NEW ZEALAND PACIFIC ISLANDS P 03 9217 3111 M 0400 847 587 joe.elzein@steelmains.com

SOUTH AUSTRALIA WESTERN AUSTRALIA P 08 9437 8204 M 0459 896 932 amir.vahdani@steelmains.com EXPORT P +61 3 9217 3170 M +61 418 384 109 rodney.glocer@steelmains.com

STEEL MAINS PROPRIETARY LIMITED

125-175 PATULLOS LANE SOMERTON, VICTORIA 3062

All Steel Mains trademarks and logos are owned by Steel Mains Proprietary Limited. All oth brand or product names are trademarks of S registered marks of their respective owner Because we are continuously improving our products and services, Steel Mains reserves the right to change specifications without prior notice. SMRRJ1705 © 2017 Steel Mains Proprietary Limited. All Rights Reserved.



Somerton Manufacturing - 125 175 Patullos Lane, Somerton VICTORIA



Kwinana Manufacturing - Lot 6, Leath Rd, Naval Base, Western Australia









