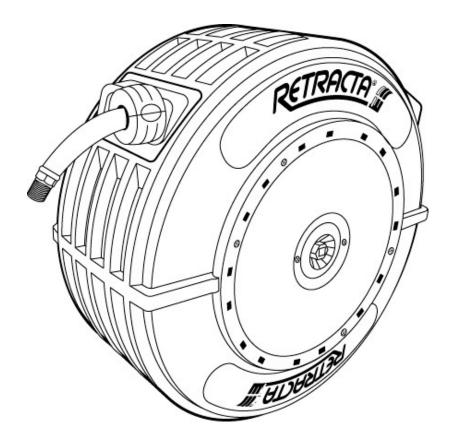


ARGON GAS Hose Reel

Owners Manual



Includes Models ARG220D-04 ARGC220D-04

Premium Hose Reels

IMR3ARG-issue 4

INTRODUCTION



Thank you for purchasing the Retracta R3 retractable hose reel.

PLEASE READ THIS SAFETY INFORMATION CAREFULLY BEFORE USE.

Read and retain this instruction manual to assist you in the operation of your new product.



'CAUTIONS' are listed throughout this manual to advise of actions that may cause damage to the operator or to the equipment.

you're

- Operation and maintenance of Oxy-Acetylene Gas equipment should conform to the provisions of the American National Standard Z49-1 "Safety in Welding and Cutting".
- Leak test all connections and hose reel swivels prior to initial use (refer "Gas Leak Test Procedure")
- It is recommended that leak tests on all equipment be carried out at least once a month, on the replacement of gas cylinders and after any maintenance procedure.
- For O-Ring seal lubrication use **only 'HYPALUBE A514' or an equivalent inert lubricant** when required. **DO NOT** allow oil or grease to come in contact with the swivel or Oxy-Fuel gas equipment.

CAUTION

ONLY use this Retracta reel for the Oxy Acetylene gas combination.

DO NOT use equipment in poorly ventilated areas.

EXAMINE the hose, reel swivel and other equipment for damage (including leaks) should a "Flashback" occur. Replacement of swivel seals is recommended. The use of "Flashback" check valves to reduce the risk of backflow and "Flashback" is also recommended.

ONLY genuine Retracta R3 replacement parts.

DO NOT use pipe fitting compounds or thread lubricants in making connections.

DO NOT direct the gas flame at the hose or hose reel.

DO NOT exceed the recommended maximum Acetylene draw off rate from the cylinder and only operate when the cylinder is upright. Liquid acetone solvent contained in the cylinder can escape and damage the hose, hose reel seals and other equipment.

GAS LEAK TEST PROCEEDURE



Note: Before attempting any maintenance, disconnect and turn off supply line then release line pressure.

Test each hose line separately and ensure that all connections are tight.

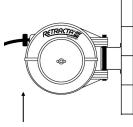
- 1) Close both torch valves.
- 2) Open the Oxygen cylinder valve and adjust delivery pressure to 25psi or more.
- 3) Close the Oxygen valve, check guage to ensure no pressure drop. If there is drop in pressure, check all connections, then re-pressure and test all the connections including hose, by brushing with warm soapy water solution looking for the presence of any bubbles.
- 4) Open the Oxygen valve at the torch and re-close to vent the Oxygen line. Repeat steps 1, 2 and 3 with the Acetylene, with the delivery pressure set at 10 psi. Vent the Acetylene line.
- 5) Replace or repair any faulty items immediately and repeat 'Leak test' procedure.





Test the system and all connections for leaks prior to use. Re-test the system frequently (once per month approx) and on each change of gas cylinder or after maintenance.

INSTALLATION INSTRUCTIONS



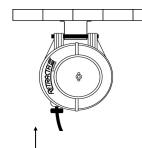


Fig.1 Wall mounting (max height 1.4m)

Fig.2 Overhead mounting (max height 4.5m)

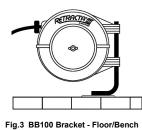




Fig.4 BB100 Bracket High wall mounting (max height 4.5m) Use appropriate hardwear to secure and support the reel and bracket to desired location and weight of the fluids.

(refer to back page for mounting bracket template)

- Prevent the reel from swiveling in the overhead position (figure 2) by install locking bracket RB9 (supplied).
- 3) If spring recoil tension requires adjusting refer to "Add spring tension" for correct proceedure
- 4) Connect the fluid supply line to the side of the reel making sure to tighten appropriately.
- 5) It is recommended that an isolation valve is installed before the reel inlet.
- 6) Connect a desired hose-end attachment and tighten appropriately. Thread sealant may be required.
- 7) Purge the air from the reel and check for any leaks or damage before initial use.
- 8) Before carrying out any maintenance, close isolation valve and remove all line pressure.

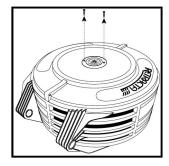
Before attempting any maintenance dis-

connect and turn off supply line, then

release the line pressure.

INCREASE SPRING TENSION

1) Remove screws

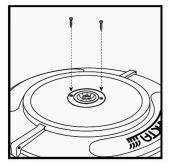


Instruction Manual

2) Add 2 complete turns Note: 1 click on hub equals 90 deg



3) Replace screws



HOSE REPLACEMENT INSTRUCTIONS





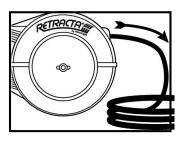


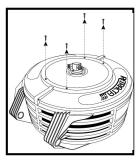


Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.

Note: After replacing the hose it is important that you carry out the leak test proceedure as listed on page 2

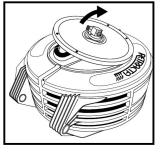
1) Pull out hose and latch





2) Remove screws

3) Remove sideplate

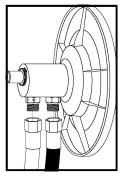


4) Remove cable tie



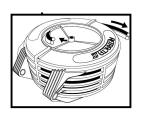
7) Fit new hose

8) Fit hose to swivel

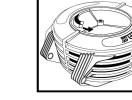


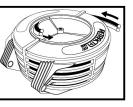
5) Remove hose from swivel

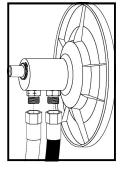
9) Fit cable tie



6) Remove old hose



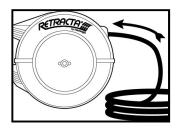


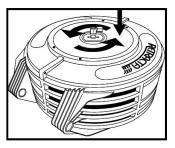


11) Fit screws.

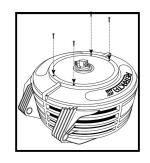


12) Recoil hose evenly into reel





10) Fit side plate





Test reel for leaks prior to any use

SWIVEL SEAL **REPLACEMENT INSTRUCTIONS**





CAUTION

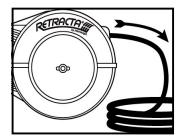
Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.

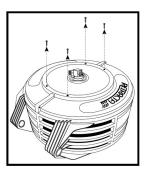


Note: After replacing swivel or swivel seals it is important that you carry out the leak test proceedure as listed on page 2

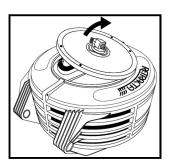
1) Pull out hose and latch

2) Remove screws





3) Remove sideplate

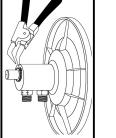


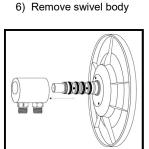
4) Remove cable tie



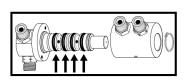


5) Remove circlip

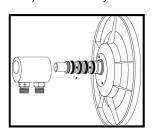




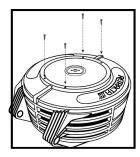
7) Carefully replace o'rings



8) a) Apply grease to o'rings (only use 'HYPALUBE A514' or equivalent grease) b) Fit swivel body

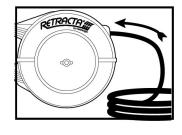


12) Fit screws.



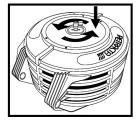
9) Fit circlip

13) Recoil hose evenly into reel



10) Fit cable tie







Test reel for leaks prior to any use

Instruction Manual

SWIVEL REPLACEMENT INSTRUCTIONS





CAUTION

Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.



Note: After replacing swivel it is important that you carry out the leak test proceedure as listed on page 2

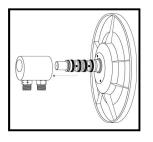
1) Pull out hose and latch

RETRACTOR

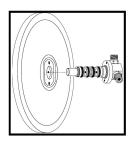
4) Remove cable tie



7) Remove swivel body

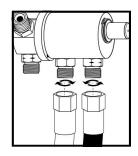


10) Fit new shaft

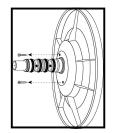


2) Remove screws

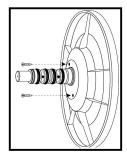
5) Remove hose



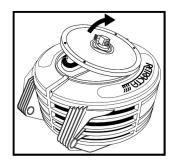
8) Remove screws



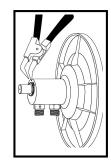
11) Fit screws



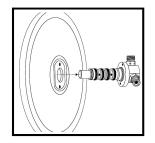
3) Remove sideplate



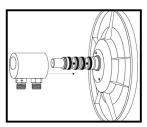
6) Remove circlip



9) Remove swivel shaft



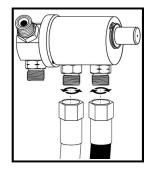
12) a) Apply grease to o'rings (only use 'HYPALUBE A514' or equivalent grease) b) Fit swivel body

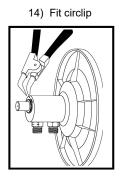


SWIVEL REPLACEMENT INSTRUCTIONS



13) Fit hose



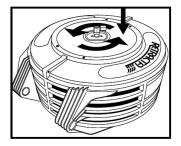


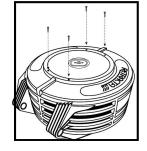
15) Fit cable tie



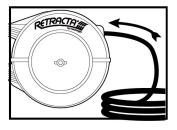
18) Recoil hose evenly into reel

16) Fit side plate





17) Fit screws.





Test reel for leaks prior to any use

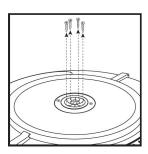


REMOVE / REPLACE TENSION SIDE PLATE

Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.



1) Remove screws with magnetic screwdriver



4) Remove screw and center hub



7) Fit new side plate.



10) Fit screw.

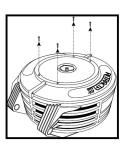




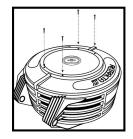


2) Hold hub and remove screws

5) Remove screws.



8) Fit screws.



11) Add 2 complete turns



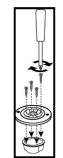
3) Release spring tension



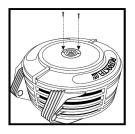
6) Remove side plate



9) Fit screws

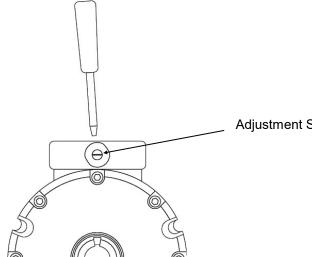


12) Fit screws

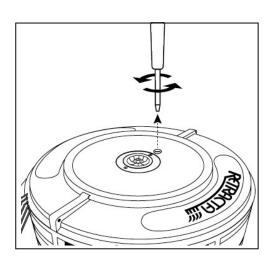


For models fitted with RACR **RACR ADJUSTMENT CONTROL INSTRUCTIONS**

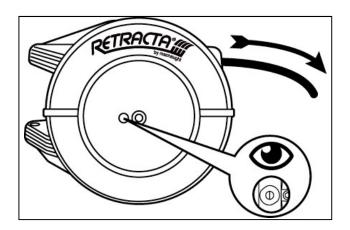




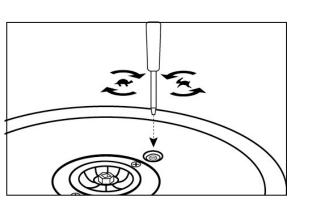
Adjustment Screw



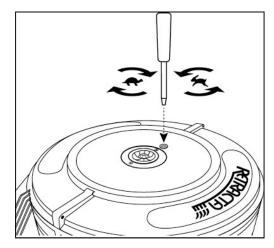
1. Remove the cover screw



2. Pull hose out and latch when adjustment screw appears



3. Adjust speed as desired



4. Replace the cover screw

TROUBLESHOOTING GUIDE





	1	1
Hose does nor retract correctly	 A) Outlet nozzle, gun or tool is too heavy B) Spring is fatigued and lost tension 	Refer to INCREASE SPRING TENSION on page 3
Reel does not latch	A) Incorrect operation B) Latch assembly is broken	Refer to REMOVE/ REPLACE TENSION SIDE PLATE on page 8
Leaking from hose	Split in hose	Refer to HOSE REPLACEMENT on page 4
Leaking from swivel	Swivel or swivel seals are worn	Refer to SWIVEL OR SWIVEL SEAL REPLACEMENT on page 5 or 6



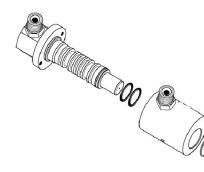
Test reel for leaks prior to any use

REFER TO : Page 5 SWIVEL OR SWIVEL SEAL REPLACEMENT INSTRUCTIONS



Swivel Assembly

ARGON



O'Ring seal kit OA-1K

Swivel Assembly kit RS140As

SPARE PARTS LIST

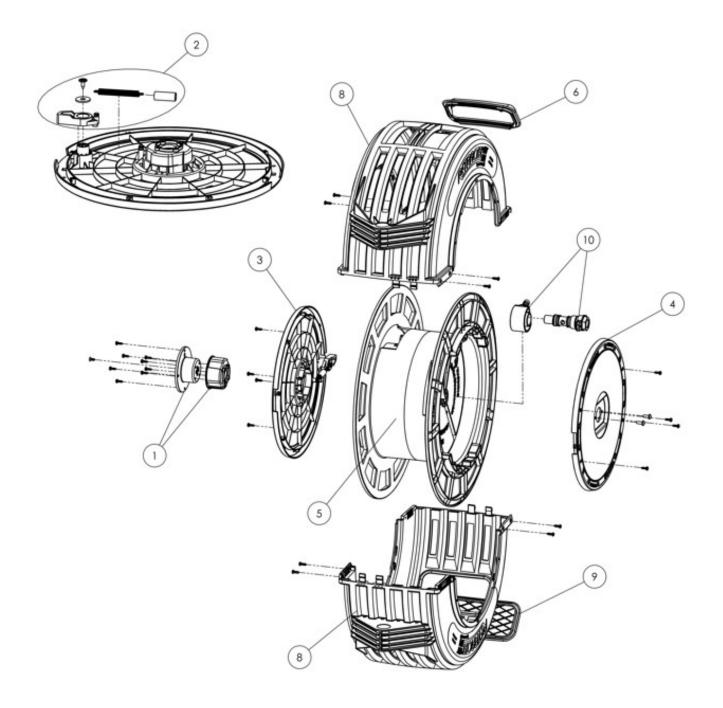
Argon

Item no	Description	Spare part no				
1	Tension hub set	R3THs				
2	Latch set	R3Ls				
3	Latching side plate	R3LPs				
4	Inlet side plate	R3IPs				
5	Drum assembly	R3DAs				
6	Mouth set	R3Ms				
7	Standard Bracket (incl locking plate)	BU200				
8	Outer Casing Set - nom color	R3OC-color				
9	Lower insert (nom colour)	R3LIS-color				
SWIVEL	SWIVEL ASSEMBLIES					
10	Argon swivel assembly	RS140As				
SWIVEL S	SEAL KITS					
12	Swivel seal set (not shown)	OA-1K				

Spare part no
RP156-6s
RH200s
BU200



Exploded Diagram



Note:

- Outer casing set is supplied with screws, mouth set and lower insert Standard bracket not shown 1.
- 2.



EN (English)		Declaration	of Conformity
We:	Macnaught Pty Ltd	Of:	41-49 Henderson Street, Turrella NSW 2205, Australia
Declare that:			ed AR, ARC, ARG, ARGC, AW, CL, CLC, CW, CWC, DR, DRC, FRAS, , LPGC, OA, OAC, OG, OGC, OMP, OMPC, RO, ROC, RY,
in accordance with:	2006/42/EC		(The Machinery Directive)
	2009/127/EC		(amending D rective - WD, DR & DRC models only)
has been designed a	nd manufactured to the	following s	pecifications:
	EN ISO 12100: 2010		(Safety of Machinery)
			een designed to comply with the relevant sections of the above essential requirements of the Directives.
Signed By:	Rant	n)	
	Marco Uccellani, Engi	neering Ma	nager, Macnaught Pty Ltd.
Done at:	Macnaught Pty Ltd. 41 Turrella, NSW 2205, A		rson Street, CE
Date:	26/08/2021		COM-INVESTIGATION CA-CN (see all yet)

FR (French)	Déclarat	tion de conformité			
Nous, Macnaug	ht Pty Ltd, 41-49 Hender	rson Street, Turrella NSW 2205, Australie			
Déclarons que		urs de tuyaux Retracta aux préfixes AR, ARC, ARG, ARGC, AW, CL, CLC, CW, 5R, GRC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, OG, OGC, OMP, OMPC, RO, /DC			
en vertu de :	2006/42/CE 2009/127/CE	(directive Machines) (directive modificative - modèles WD, DR et DRC uniquement)			
sont conçus et fa	briqués selon la spécificatio	n suivante :			
	EN ISO12100: 2010	(sécurité Machines)			
		ts mentionnés ci-dessus sont conformes aux sections appropriées de la conforme à toutes les exigences principales des directives.			
Signé par :					
Marco Uccellani, responsable de l'ingénierie, Macnaught Pty Ltd.					
Fait à :	Macnaught Pty Ltd. 41-	49 Henderson Street, Turrella, NSW 2205, Australie			
Date :	26/08/2021	00M-DM973M725-81_32 0/-07499 48694 pm (1/30m)			





ES (Spanish)		Decl	araciones	e	
Nosotros:	М	acnaught Pty Ltd	De	41-49 Henderson Street, Turrella NSW 2205, Austr	ralia
Declaramosh:	FR			n prefijo AR, ARC, ARG, ARGC, AW, CL, CLC, CW, CWC, DI WC, LPG, LPGC, OA, OAC, OG, OGC, OMP, OMPC, RO, RC	
en conformida	d con: 20	06/42/EC		(La Directiva sobre maquinaria)	
	20	09/127/EC		(Directiva modificativa: solo los modelos WD, DR y	y DRC
ha sido diseña	da y fabricada de a	acuerdo con las sig	uientes esp	pecificaciones:	
	EN	ISO 12100: 2010		(Seguridad de la maquinaria)	
	las especificacion			iormente ha sido diseñado para cumplir con las seo ridad. El producto cumple con todos los requisitos ese	
Firmado por:	(Duel	3		
	м	arco Uccellani, Res	ponsable d	e ingeniería, Macnaught Pty Ltd.	
Redactado en:	м	acnaught Pty Ltd. 4	1-49 Hend	erson Street,	
	Tu	rrella, NSW 2205, /	Australia.		
Fecha:	26	/08/2021			QA-DU
				dig su	ie par R.K
JA (Japanese)		適合	宣言書		
当社	Macnaught Pty L	td 所在地:4	1-49 Hend	erson Street, Turrella NSW 2205, Australia	
は、次の製品	が以下の指令及	び仕様に準拠して	〔設計、製	造されていることを宣言します。	
製品:	HPC、HW、HW		A. OAC.	V、CWC、DR、DRC、FRAS、GR、GRC、HP、 OG、OGC、OMP. OMPC、RO、ROC、RY、 ルモデル	
指令:	2006/42/EC	(機械指・	令)		
	2009/127/EC			、DR、DRC モデルのみ)	
仕様:	EN ISO12100: 20	10 (機械の)	安全性)		
				るように設計されていることをここに 項に準拠しています。	
豊富じょう。 署名:	Qu				
	Marco Uccellani	、技術管理者、M	acnaught F		
住所:	Macnaught Pty L	td. 41-49 Henderso	on Street, T	urrella, NSW 2205. Australia.	
日付:	2021年08月26日			C04-D/NG775	
					QA-CN74



EN (English)	Declaration of Conformity				
We:	Macnaught Pty Ltd Of: 41-49 Henderson Street, Turrella NSW 2205, Austra	lia			
Declare that:	Retracta Hose Reel models prefixed AR, ARC, ARG, ARGC, AW, CL, CLC, CW, CWC, DR, DR GR, GRC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, OG, CGC, OMP, OMPC, RO, ROC, RY, RYC, WD & WDC	, FRAS,			
in accordance with:	2006/42/EC (The Machinery Directive) 2009/127/EC (amending Directive - WD, DR & DRC models of	only)			
has been designed a	and manufactured to the following specifications:				
	EN ISO 12100: 2010 (Safety of Machinery)				
	at the equipment named above has been designed to comply with the relevant sections of the cation. The product complies with all essential requirements of the Directives.	e above			
Signed By:	Jan tu				
	Marco Uccellani, Engineering Manager, Macnaught Pty Ltd.	ו וא			
Done at:	Macnaught Pty Ltd. 41-49 Henderson Street, Turrella, NSW 2205, Australia.	ČÀ			
Date:	26/08/2021 com	-DVMG41MCA-RL_R1 QA-CN7489 Issued by: R.Khan			
FR (French)	Déclaration de conformité				
Nous, Macnaught					
Déclarons que	Les modèles d'enrouleurs de tuyaux Retracta aux préfixe: AR, ARC, ARG, ARGC, AW, CL, CWC, DR, DRC, FRAS, GR, GRC, HP, HPC, HW, HWC, LPG, JPGC, OA, OAC, OG, OGC, OMP, ROC, RY, RYC, WD et WDC				
en vertu de :	2006/42/CE (directive Machines) 2009/127/CE (directive modificative - modèles WD, DR et DRC un	iquement)			
sont conçus et fabri	riqués selon la spécification suivante :				
	EN ISO12100: 2010 (sécurité Machines)				
	résente que les équipements mentionnés ci-dessus sont conformes aux sections appropriées entionnée. Le produit est conforme à toutes les exigences principales des directives.	de la			
Signé par :	(Jun tun				
	Marco Uccellani, responsable de l'ingénierie, Macnaught ³ ty Ltd.	υĸ			
Fait à :	Macnaught Pty Ltd. 41-49 Henderson Street, Turrella, NSW 2205, Australie	ČA			
Date :	26/08/2021 com-4	CA-CN749 GA-CN749 débré par 3.32an			
DE (German)	Konformitätserklärungen				
Wir,	Macnaught Pty Ltd mit Sitz in: 41-49 Henderson Street, Turrella NSW 2	2205.			
erklären, dass	Australien die Retracta Schlauchtrommelmodelle nit den Präfixen AR, ARC, ARG, ARGC, AW, CW, CWC, DR, DRC, FRAS, GR, GRC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, OG, OMPC, RO, ROC, RY, RYC, WD und WDC	CL, CLC,			
in Übereinstimmung den Verordnungen:		DR und			
gemäß folgenden Spezifikationen konzipiert und hergestellt worden sind:					
	EN ISO12100: 2010 (Maschinensicherheit)				
	Ich erkläre hiermit, dass die oben genannten Geräte so konzipiert wurden, dass sie mit den einschlägigen Abschnitten der oben genannten Spezifikation übereinstimmen. Das Produkt erfüllt alle grundlegenden Anforderungen der Richtlinien.				
Unterzeichnet von:	" Chat at				
	Marco Uccellani, Manager Ingenieurwesen, Macraught Pty Ltd.	IK			
Unternehmen, Ort:	t: Macnaught Pty Ltd. 41-49 Henderson Street, Turrella, NSW 2205, Australien.	ÉÀ			
Datum:	26/08/2021	QA-CN7489 QA-CN7489 sagagaben ror 8.10m			



	Deck	araciones d	le	
Nosotros:	Macnaught Pty Ltd	De	41-49 Henderson Street, Turrella N	SW 2205, Australia
Declaramosh:			prefijo AR, ARC, ARG, ARGC, AW, CL, CL NC, LPG, LPGC, OA, OAC, OG, OGC, OMP,	
en conformidad con:	2006/42/EC		(La Directiva sobre maquinaria)	
	2009/127/EC		(Directiva modificativa: solo los mo	delos WD, DR y DRC)
ha sido diseñada y fabric	ada de acuerdo con las sig	uientes esp	ecificaciones:	
	EN ISO 12100: 2010		(Seguridad de la maquinaria)	
			ormente ha sido diseñado para cump	
pertinentes de las espec de las Directivas. Firmado por:		a)	ridad. El producto cumple con todos los	requisitos esenciales
de las Directivas.		a)	e ingeniería, Macraught Pty Ltd.	
de las Directivas.		ponsable d	e ingeniería, Macraught Pty Ltd.	UK

JA (Japanese)		诸合司言書	
当社	Macnaught Pty Ltd	所在地:41-49 Henderson Street, Turrella NSW 2205, Australia	
は、次の製品	が以下の指令及び仕様に	こ準拠して設計、製造されていることを宣言します。	
製品:	HPC, HW, HWC, LPG,	、AW、CL、CLC、CW、CWC、DR、DFC、FRAS、GR、GRC、HF 、LPGC、OA、OAC、OG、OGC、OMP、OMPC、RO、ROC、RY 重Retractaホースリールモデル	
指令:	2006/42/EC	(機械指令)	
	2009/127/EC	(指令の修正 - WD、DR、DRC モデルのみ)	
仕様:	EN ISO12100: 2010	(機械の安全性)	
		セクションに適合するように設計されていることをここに すべての必須要求事項に準拠しています。	
署名:	Runda		
	Marco Uccellani、技術管	● 膏理者、Macnaught Pty Ltd	ŬĶ
住所:	Macnaught Pty Ltd. 41-4	9 Henderson Street, Turrella, NSW 2205, Australia.	ĊA
日付:	2021年08月26日		COM-DIMOTIMUNCA-RL,RI QA-CN149
			於极行: R.Khas

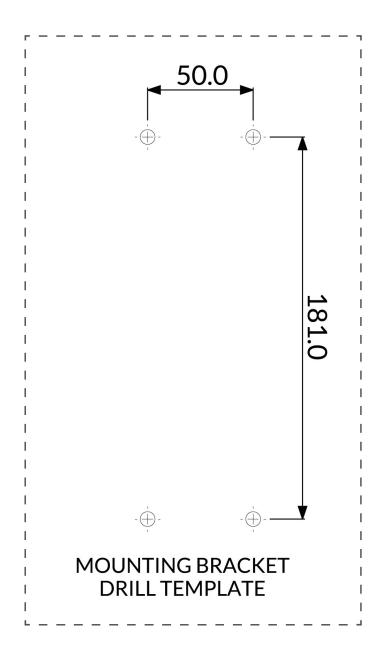


NOTES:



NOTES:





NOTE: Not to scale







Macnaught Pty Limited ABN 66 000 075 785

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Note:

This product should be disposed of according to all applicable local and national government environment regulations and guidelines.



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