

# Oxy / Acetylene Hose Reel

# **Owners Manual**



Includes Models OA215B OAC215B

# **Premium Hose Reels**

IMR3OA-issue 5

# 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.

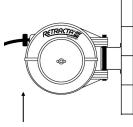
- 1) Close both torch valves.
- 2) Open the Oxygen cylinder valve and adjust delivery pressure to 25psi or more.
- 3) Close the Oxygen valve, check guage to ensure no pressure drop. If there is drop in pressure, check all connections, then re-pressure and test all the connections including hose, by brushing 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



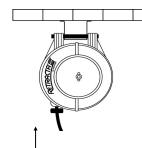


Fig.1 Wall mounting (max height 1.4m)

Fig.2 Overhead mounting (max height 4.5m)

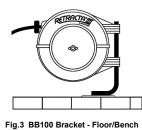




Fig.4 BB100 Bracket High wall mounting (max height 4.5m)  Use appropriate hardwear to secure and support the reel and bracket to desired location and weight of the fluids.

(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

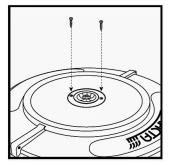


Instruction Manual

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



3) Replace screws



### HOSE REPLACEMENT INSTRUCTIONS





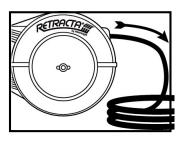


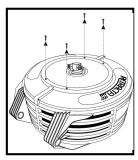


Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.

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

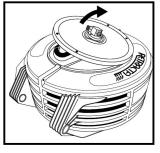
1) Pull out hose and latch





2) Remove screws

3) Remove sideplate

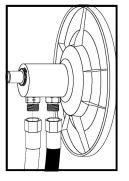


4) Remove cable tie



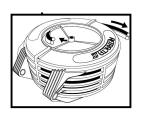
7) Fit new hose

8) Fit hose to swivel

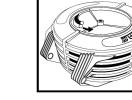


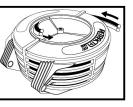
5) Remove hose from swivel

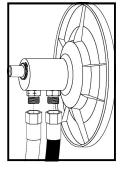
9) Fit cable tie



6) Remove old hose



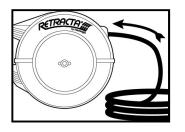


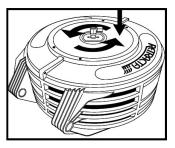


11) Fit screws.

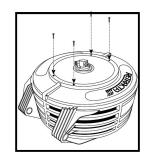


12) Recoil hose evenly into reel





10) Fit side plate





Test reel for leaks prior to any use

#### SWIVEL SEAL **REPLACEMENT INSTRUCTIONS**





# CAUTION

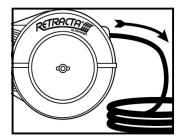
Before attempting any maintenance disconnect and turn off supply line, then release the line pressure.

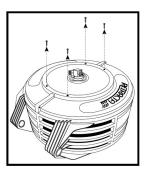


Note: After replacing swivel or swivel seals it is important that you carry out the leak test proceedure as listed on page 2

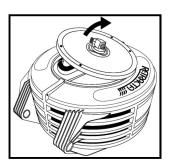
1) Pull out hose and latch

2) Remove screws





3) Remove sideplate

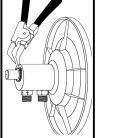


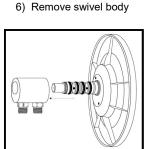
4) Remove cable tie



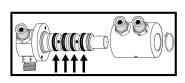


5) Remove circlip

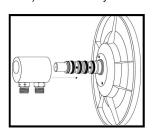




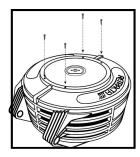
7) Carefully replace o'rings



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

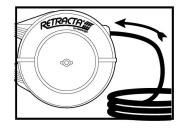


12) Fit screws.



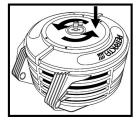
9) Fit circlip

13) Recoil hose evenly into reel



10) Fit cable tie







Test reel for leaks prior to any use

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#### 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

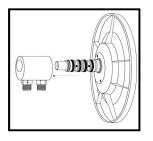
1) Pull out hose and latch

RETRACTOR

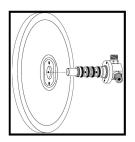
4) Remove cable tie



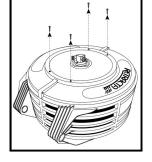
7) Remove swivel body



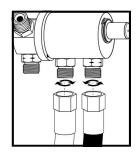
10) Fit new shaft



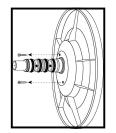
2) Remove screws



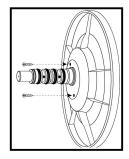
5) Remove hose



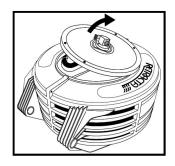
8) Remove screws



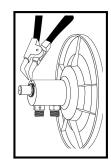
11) Fit screws



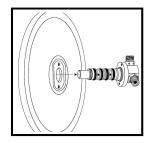
3) Remove sideplate



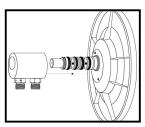
6) Remove circlip



9) Remove swivel shaft



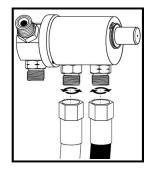
12) a) Apply grease to o'rings (only use 'HYPALUBE A514' or equivalent grease) b) Fit swivel body

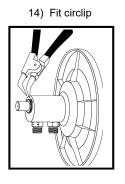


#### SWIVEL REPLACEMENT INSTRUCTIONS



13) Fit hose



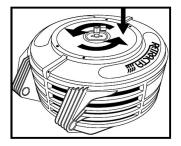


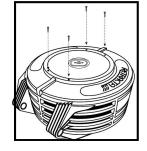
15) Fit cable tie



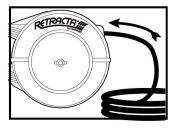
18) Recoil hose evenly into reel

16) Fit side plate





17) Fit screws.





Test reel for leaks prior to any use

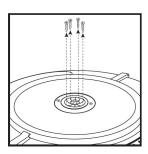


# **REMOVE / REPLACE TENSION SIDE PLATE**

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.

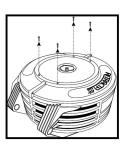




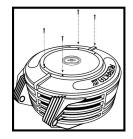


2) Hold hub and remove screws

5) Remove screws.



8) Fit screws.



11) Add 2 complete turns



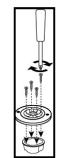
3) Release spring tension



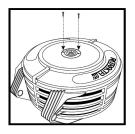
6) Remove side plate



9) Fit screws

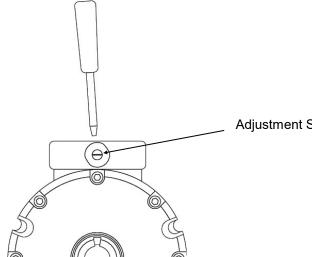


12) Fit screws

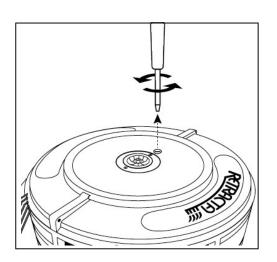


# For models fitted with RACR **RACR ADJUSTMENT CONTROL INSTRUCTIONS**

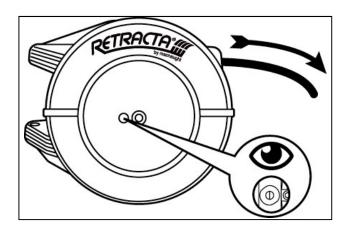




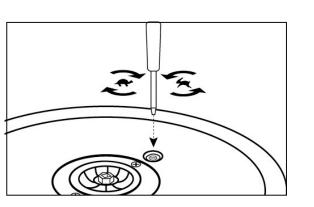
Adjustment Screw



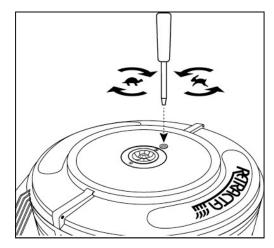
1. Remove the cover screw



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	<ul> <li>A) Outlet nozzle, gun or tool is too heavy</li> <li>B) Spring is fatigued and lost tension</li> </ul>	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



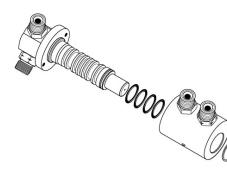
Test reel for leaks prior to any use

REFER TO : Page 5 SWIVEL OR SWIVEL SEAL REPLACEMENT INSTRUCTIONS



**Swivel Assembly** 

#### OXY / ACETYLENE



O'Ring seal kit OA-1K

Swivel Assembly kit RS123As

#### SPARE PARTS LIST

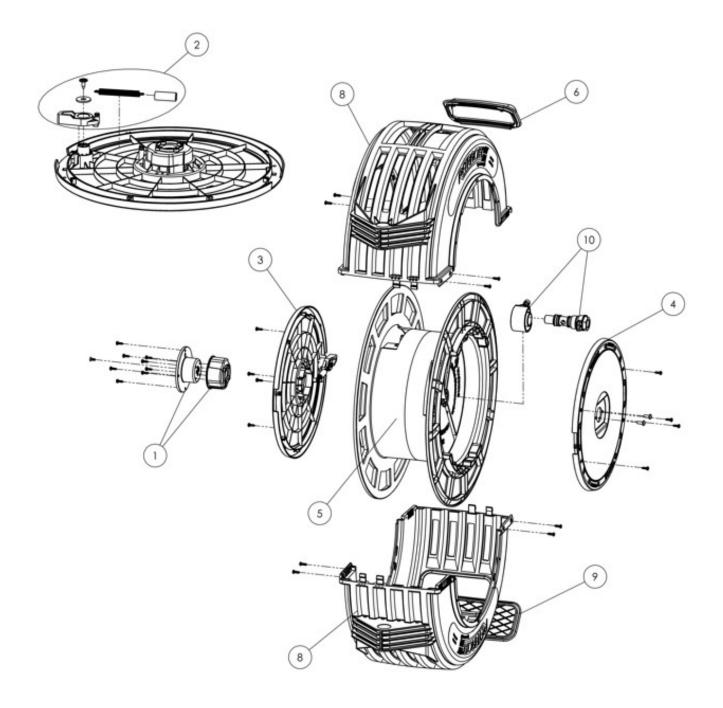
#### OXY ACETYLENE

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)	R3SBs		
8	Outer Casing Set - nom color	R3OC-color		
9	Lower insert (nom colour)	R3LIS-color		
SWIVEL ASSEMBLIES	SWIVEL ASSEMBLIES			
10	Oxy Acetylene swivel assembly	RS123As		
SWIVEL SEAL KITS				
12	Swivel seal set Oxy Acetylene (not shown)	OA-1K		

HOSE STOPPERS	Spare part no
Gas Reel	RP156-4s
HOSE ASSEMBLIES	
1/4"x 15m - Oxy Acetylene	RH30s
Wall Bracket	



#### **Exploded Diagram**



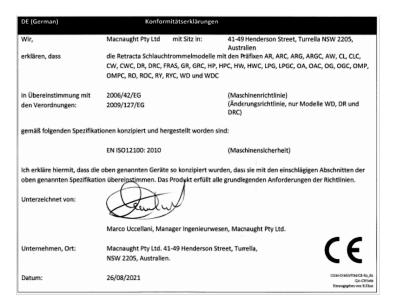
#### Note:

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



EN (English)	Dec	laration of	Conformity
We:	Macnaught Pty Ltd	Of:	41-49 Henderson Street, Turrella NSW 2205, Australia
Declare that:			AR, ARC, ARG, ARGC, AW, CL, CLC, CW, CWC, DR, DRC, FRAS, PGC, 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 ar	nd manufactured to the foll	owing spec	ifications:
	EN ISO 12100: 2010		(Safety of Machinery)
			n designed to comply with the relevant sections of the above ential requirements of the Directives.
Signed By:	Annth	A	
	Marco Uccellani, Enginee	ring Manag	er, Macnaught Pty Itd.
Done at:	Macnaught Pty Ltd. 41-49 Turrella, NSW 2205, Aust		n Street, CE
Date:	26/08/2021		COM-DINERTIA-CE-14_RL CAM-DINER (mark In S. R. Ram

FR (French)	Déclaration	de conformité		
Nous, Macnaugh	nt Pty Ltd, 41-49 Henderson	Street, Turrella NSW 2205, Australie		
Déclarons que		e tuyaux Retracta aux préfixe: AR, ARC, ARG, ARGC, AW, CL, CLC, CW, RC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, OG, OGC, OMP, OMPC, RO,		
en vertu de :	2006/42/CE 2009/127/CE	(directive Machines) (directive modificative - modèles WD, DR et DRC uniquement)		
sont conçus et fai	priqués selon la spécification sui	vante :		
	EN ISO12100: 2010	(sécurité Machines)		
		entionnés ci-dessus sont conformes aux sections appropriées de la rme à toutes les exigences principales des directives.		
Signé par :	Lawter,	2		
	Marco Uccellani, responsable de l'ingénierie, Macnaught Pty Ltd.			
Fait à :	Macnaught Pty Ltd. 41-49 H	Macnaught Pty Ltd. 41-49 Henderson Street, Turrella, NSW 2205, Australie		
Date :	26/08/2021	consections.acco exercised address account of the		





ES (Spanish)		Deck	araciones de		
Nosotros:	Mac	naught Pty Ltd	De	41-49 Henderson Street, Turrella NSW 2	2205, Australia
Declaramosh:	FRAS			efijo AR, ARC, ARG, ARGC, AW, CL, CLC, CV LPG, LPGC, OA, OAC, OG, OGC, OMP, OM	
en conformida		/42/EC /127/EC		(La Directiva sobre maquinaria) (Directiva modificativa: solo los modelo	s WD, DR y DRC)
ha sido diseña	da y fabricada de acu	uerdo con las sigu	uientes especi	ficaciones:	
	EN IS	iO 12100: 2010		(Seguridad de la maquinaria)	
	e las especificaciones			nente ha sido diseñado para cumplir o ad. El producto cumple con todos los req	
Firmado por:	C	June	5		
	Marc	co Uccellani, Resp	ponsable de ir	igeniería, Macnaught Pty Ltd.	
Redactado en	THUC	naught Pty Ltd. 4 ella, NSW 2205, 4		on Street,	CE
Fecha:	26/0	8/2021			COM DIMOPIN/CER3_Ra QA-DEIVER emilión por R.Khas
JA (Japanese)		適合	宣言書		
in (in participation)					
当社	Macnaught Pty Ltd	所在地:4	1-49 Henders	on Street, Turrella NSW 2205, Australia	
は、次の製品	山が以下の指令及び	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:		LPG, LPGC, O	A, OAC, OG	CWC、DR、DRC、FRAS、GR、GRC、HP 5、OGC、OMP:OMPC、RO、ROC、RY、 モデル	
指令:	2006/42/EC	(機械指・	令〉		
	2009/127/EC	(指令の)	修正・WD、D	R、DRC モデルのみ)	
仕様:	EN ISO12100: 2010	(機械の)	安全性)		
私は、上記の製品が上記仕様の関連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 宣言します。この製品は、本指令のすべての必須要求事項に準拠しています。					
署名:	Jun	L.A			
	Marco Uccellani	技術管理者、M	acnaught Pty	Ltd	
住所:				ella, NSW 2205. Australia.	
日付:	2021年08月26日				COM-D/NG/750/CE-F3_F2 QA-CN7449 55年行: 8,32an



EN (English)	Declaration o	f Conformity		
We:	Macnaught Pty Ltd Of:	41-49 Henderson Street, Turrella NSW 2205, A	ustralia	
Declare that:	Retracta Hose Reel models prefixed AR, ARC, ARG, ARGC, AW, CL, CLC, CW, CWC, DR, DRC, FRAS, GR, GRC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, OG, CGC, OMP, OMPC, RO, ROC, RY, RYC, WD & WDC			
in accordance with:	2006/42/EC 2009/127/EC	(The Machinery Directive) (amending Directive - WD, DR & DRC mod	fels only)	
has been designed ar	nd manufactured to the following spe	cifications:		
	EN ISO 12100: 2010	(Safety of Machinery)		
		en designed to comply with the relevant sections sential requirements of the Directives.	of the above	
Signed By:	Antre			
Done at:		Marco Uccellani, Engineering Manager, Macnaught Pty Ltd. Macnaught Pty Ltd. 41-49 Henderson Street, urrella, NSW 2205, Australia.		
Date:	26/08/2021		COM-DVMGPYM/UNCA-FL_RI QA-CN7489 Istanl by: R.RJan	
FR (French)	Déclaration de confo	ormité		
Nous, Macnaught F		furrella NSW 2205, Australie		
Déclarons que	Les modèles d'enrouleurs de tuyaux	k Retracta aux préfixe: AR, ARC, ARG, ARGC, AW, HPC, HW, HWC, LPG, .PGC, OA, OAC, OG, OGC, G		
en vertu de :	2006/42/CE 2009/127/CE	(directive Machines) (directive modificative - modèles WD, DR et DR	C uniquement)	
sont conçus et fabric	qués selon la spécification suivante :			
	EN ISO12100: 2010	(sécurité Machines)		
		és ci-dessus sont conformes aux sections approp outes les exigences principales des directives.	riées de la	
Signé par :	( Junt und			
	Marco Uccellani, responsable de l'in	igénierie, Macnaught <sup>5</sup> ty Ltd.	UK	
Fait à :	Macnaught Pty Ltd. 41-49 Henderso	n Street, Turrella, NSW 2205, Australie	CA	
Date :	26/08/2021		COM-DIMORTINUTICA-RA_RI QA-CN7469	
			débrié pen 232an	
DE (German)	Konformitätse	erklärungen		
Wir,		5itz in: 41-49 Henderson Street, Turrella M Australien		
erklären, dass		helmodelle mit den Präfixen AR, ARC, ARG, ARGC, R, GRC, HP, HPC, HW, HWC, LPG, LPGC, OA, OAC, D und WDC		
in Übereinstimmung den Verordnungen:	mit 2006/42/EG 2009/127/EG	(Maschinenrichtlinie) (Änderungsrichtlinie, nur Modelle DRC)	WD, 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:	Chatit	μα <sup>τα</sup>		
	Marco Uccellani, Manager I	ngenieurwesen, Macraught Pty Ltd.		
Unternehmen, Ort:	Macnaught Pty Ltd. 41-49 H NSW 2205, Australien.		ČÀ	
Datum:	26/08/2021		COM-DAME/WIN/UKCA-R3_R1 QA-CN3ed9 Henaugygritee wer 8.02ws	



ES (Spanish) Declaraciones de					
Nosotros:	Macnaught Pty Ltd	De 41-49 Henderson Street, Turrella NSW 2205, Australia			
Declaramosh:		Reel con prefijo AR, ARC, 4RG, ARGC, AW, CL, CLC, CW, CWC, DR, DRC, HW, HWC, LPG, LPGC, OA, OAC, OG, OGC, OMP, OMPC, RO, ROC, RY,			
en conformidad con:	2006/42/EC 2009/127/EC	(La Directiva sobre maquinaria) (Directiva modificativa: solo los modelos WD, DR y DRC)			
ha sido diseñada y fabricad	da de acuerdo con las siguier	ntes especificaciones:			
	EN ISO 12100: 2010	(Seguridad de la maquinaria)			
	Por la presente declaro que el equipo mencionado anteriormente ha sido diseñado para cumplir con las secciones pertinentes de las especificaciones mencionadas con anterioridad. El producto cumple con todos los requisitos esenciales de las Directivas.				
Firmado por:	Quela	J			
	Marco Uccellani, Respor	nsable de ingeniería, Macnaught Pty Ltd.			
Redactado en:	Macnaught Pty Ltd. 41-4 Turrella, NSW 2205, Aus				
Fecha:	26/08/2021	CON DRAFTING VICE ALL BE			
		emblés por 3.32mm			
JA (Japanese)	滅合司	27.86			
- (aupaneae)					
当社 Macnaught	: Pty Ltd 所在地:41-4	19 Henderson Street, Turrella NSW 2205, Australia			
は、次の製品が以下の排	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。			
HPC, HW		CLC、CW、CWC、DR、DFC、FRAS、GR、GRC、HP、 OAC、OG、OGC、OMP、OMPC、RO、ROC、RY、 -スリールモデル			
指令: 2006/42/E	c (機械指令)				
2009/127/	EC (指令の修)	E - WD、DR、DRC モデルのみ)			
仕様: EN ISO1210	00:2010 (機械の安全	2性)			
私は、上記の製品が上記仕様の関連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 宣言します。この製品は、本指令のすべての必須要求事項に準拠しています。					
Marco Ucc	ellani、技術管理者、Mac	naught Pty Ltd			
住所: Macnaugh	t Pty Ltd. 41-49 Henderson	Street, Turrella, NSW 2205, Australia.			
日付: 2021年08月	26日	COM DOMOTIMUNCA-13_10 Qu-DShrift APRT: DShrift			

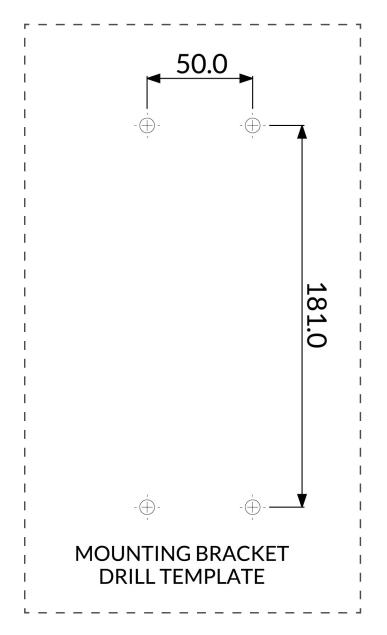




NOTES:



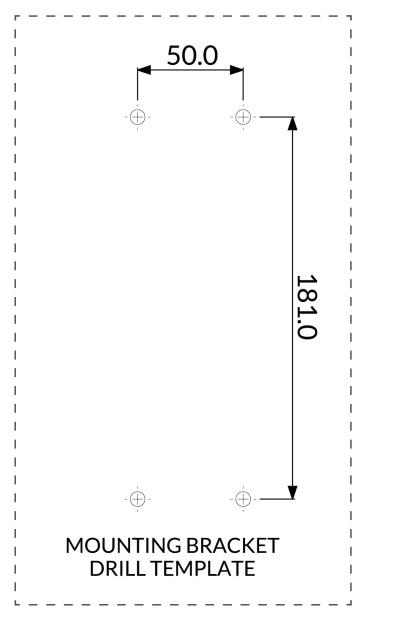




NOTE: Not to scale



RETRACTA





#### Note:

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

For Warranty Terms and Conditions see macnaught.com.au For a list of Australian Service Centres see macnaught.com.au





# macnaught

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