



SPECIALISED FORCE
HYDRAULIC TOOLS &
ELECTRICAL CONTRACTORS EQUIPMENT PTY. LTD.

Underground Cable Pulling



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UNDERGROUND PULLING

1-47

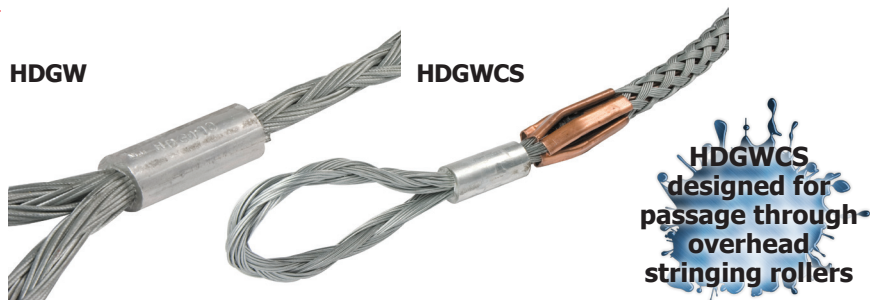
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HEAVY DUTY GRADED TUBULAR WEAVE

HDGW SERIES

Construction:

- Multi Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye
- Copper Slewing



HDGW Model No.	HDGWCS Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
HDGW08	HDGW08CS	8-11	700	28	9.3
HDGW10	HDGW10CS	10-15	750	37	12.3
HDGW15	HDGW15CS	15-21	810	57	19.0
HDGW20	HDGW20CS	20-27	1040	73	24.3
HDGW27	HDGW27CS	27-35	1160	101	33.6
HDGW32	HDGW32CS	32-37	1160	101	33.6

Note: WLL (Working Load Limit) 3:1 recommended as a guide only.

HEAVY DUTY TUBULAR GRIP (MADE IN AUSTRALIA)

CHD SERIES

Construction:

- Double or Triple Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye



Available in 316 stainless steel or with thimble eye on request

Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
CHD1004	4-7	300	5	1.6
CHD1006	6-11	350	8	2.6
CHD1010	10-14	350	15	5.0
CHD1014	14-19	400	20	6.6
CHD1019	19-28	500	37	12.3
CHD1028	28-40	600	54	18.0
CHD1040	40-55	800	62	20.6
CHD1055	55-75	900	80	26.6
CHD1075	75-95	1000	180	60.0
CHD1095	95-120	1000	215	71.6

Note: WLL (Working Load Limit) 3:1 recommended as a guide only.

CABLE SOCKS - STANDARD TUBULAR CABLE GRIPS (MADE IN AUSTRALIA)

C SERIES – STANDAR



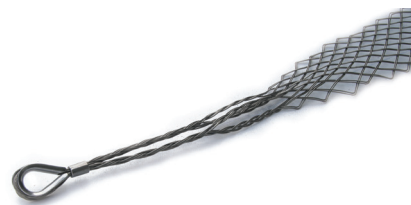
C1 Series ¹	C7 Series
<ul style="list-style-type: none"> • Two Ply • Galvanised Strand • Alloy Ferrule • Soft Eye 	<ul style="list-style-type: none"> • Two Ply • Stainless Steel

SOFT EYE - AL FERRULE Model No.	STAINLESS STEEL & THIMBLE Model No	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
C1006	C7006	6-12	350	5	1.7
C1010	C7010	10-14	350	5	1.7
C1014	C7014	14-19	400	9	3.0
C1019	C7019	19-28	500	15	5.0
C1028	C7028	28-40	600	24	8.0
C1040	C7040	40-55	800	35	11.7
C1055	C7055	55-75	900	62	20.7
C1075	C7075	75-95	1000	98	32.7
C1095	C7095	95-120	1200	133	44.3
C1120	C7120	120-150	1400	187	62.3
C1150	C7150	150-190	1600	283	94.3

¹ Copper ferrule C3 series available for reduced spark environments

* WLL (Working Load Limit) 3:1 recommended as a guide only.

S SERIES – OFFSET LACE-UP



S1 Series*	S7 Series
<ul style="list-style-type: none"> • Two Ply • Galvanised Strand • Alloy Ferrule • Soft Eye 	<ul style="list-style-type: none"> • Two Ply • Stainless Steel Strand • Stainless Steel Ferrule • Stainless Steel Thimble Eye

SOFT EYE – ALLOY FERRULE Model No.	STAINLESS STEEL & THIMBLE Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
S1014	S7014	14-19	500	9	3.0
S1019	S7019	19-28	600	15	5.0
S1028	S7028	28-40	800	24	8.0
S1040	S7040	40-55	900	35	11.7
S1055	S7055	55-75	1000	62	20.7
S1075	S7075	75-95	1200	98	32.7
S1095	-	95-120	1400	98	32.7

* WLL (Working Load Limit) 3:1 recommended as a guide only.

* Copper ferrule C3 series available for reduced spark environments

CABLE SOCKS - STANDARD TUBULAR CABLE GRIPS (MADE IN AUSTRALIA)

O SERIES – OFFSET EYE



O1 Series

- Two Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye

O7 Series

- Two Ply
- Stainless Steel Strand
- Stainless Steel Ferrule
- Stainless Steel Thimble Eye

SOFT EYE - ALLOY FERRULE Model No.	STAINLESS STEEL THIMBLE Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
O1010	O7010	10-14	350	5	1.7
O1014	O7014	14-19	400	9	3.0
O1019	O7019	19-28	500	15	5.0
O1028	O7028	28-40	600	24	8.0
O1040	O7040	40-55	800	35	11.7
O1055	O7055	55-75	900	62	20.7
O1075	O7075	75-95	1000	98	32.7
O1095	-	95-120	1200	133	44.3
O1120	-	120-150	1400	187	62.3
O1150	-	150-190	1600	283	94.3

* WLL (Working Load Limit) 3:1 recommended as a guide only.

D SERIES – DOUBLE EYE



D1 Series

- Two Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye

D7 Series

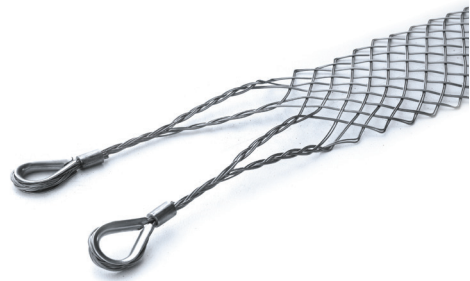
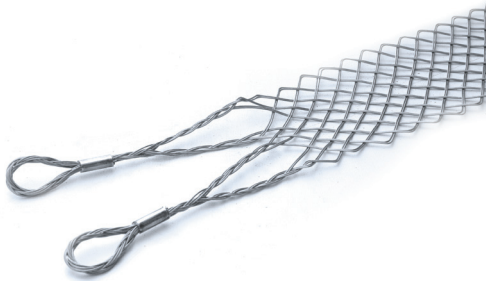
- Two Ply
- Stainless Steel Strand
- Stainless Steel Ferrule
- Stainless Steel Thimble Eye

Model No.	Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
D1010	D7010	10-14	350	5	1.7
D1014	D7014	14-19	400	9	3.0
D1019	D7019	19-28	500	15	5.0
D1028	D7028	28-40	600	24	8.0
D1040	D7040	40-55	800	35	11.7
D1055	D7055	55-75	900	62	20.7
D1075	D7075	75-95	1000	98	32.7
D1095	-	95-120	1200	133	44.3
D1120	-	120-150	1400	187	62.3
D1150	-	150-190	1600	283	94.3

* WLL (Working Load Limit) 3:1 recommended as a guide only.

CABLE SOCKS - STANDARD TUBULAR CABLE GRIPS (MADE IN AUSTRALIA)

SA & SG SERIES – DOUBLE EYE, LACE-UP



SA Series

- Two Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye

SG Series

- Two Ply
- Stainless Steel Strand
- Stainless Steel Ferrule
- Stainless Steel Thimble Eye

Model No.	Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
SA014	SG014	14-19	500	9	3.0
SA019	SG019	19-28	600	15	5.0
SA028	SG028	28-40	800	24	8.0
SA040	SG040	40-55	900	35	11.7
SA055	SG055	55-75	1000	62	20.7
SA075	SG075	75-95	1200	98	32.7
SA095	SG095	95-120	1400	98	32.7

* WLL (Working Load Limit) 3:1 recommended as a guide only.

TG SERIES - TRIPLEX



TG Series Triplex

- Two Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye
- Three legs



Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)*
TG2840-1000	3 x 28-40	1000	24	8.0
TG4055-1000	3 x 40-55	1000	35	11.6

* WLL (Working Load Limit) 3:1 recommended as a guide only

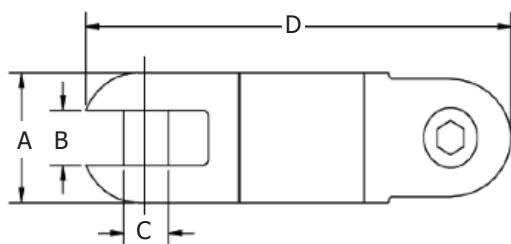
SERIES 00505 UNDERGROUND LINE SWIVELS (MADE IN CANADA)

DCD

SPECIFICATIONS

DCD Line Swivels are typically constructed with a thrust bearing for tensile load and a radial bearing for bending load.

They combine a high safe working load limit with a compact design. All sizes incorporate an oil seal and are manufactured from high strength stainless steel. Sizes 00505-020 and larger are supplied with a grease point for lubrication. All sizes of both types are pull tested to verify the 3:1 safety factor and all swivelling sizes are fully capable of rotation at full working load. Test certificates are available upon request. Permanent marking is STD. on all swivels.



Model No.	Safe Working Load (kN)*	Dimensions (mm)				Replacement Pin Model No.	Weight (kg)
		A	B	C	D		
00505-005	3.3	16	7.1	4.8	64	00005-SLT	0.06
00505-008	5.0	20	7.1	4.8	78	00008-SLT	0.12
00505-010	10.0	22	9.5	7.9	86	00010-SLT	0.15
00505-015	15.6	25	10.3	9.5	98	00015-SLT	0.23
00505-020	22.2	32	13.5	10.3	121	00020-SLT	0.45
00505-025	31.1	35	14.3	12.7	130	00025-HEX	0.63
00505-027	40.0	38	15.1	12.7	143	00025-HEX	0.77
00505-030	44.5	41	17.5	15.9	152	00030-HEX	0.95
00505-035	66.7	51	19.8	17.5	178	00035-HEX	1.70
00505-040	110.0	60	26.2	22.2	262	00040-HEX	3.50
**00505-045	222.0	76	30.2	28.6	349	00045-HEX	7.70

* The Safe Working Load is calculated at 3:1 safety factor

** Manufactured from alloy steel with black oxide finish.



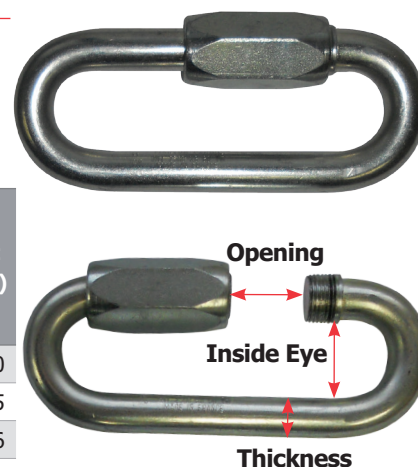
SERIES K600 QUICK LINKS (MADE IN EUROPE)

SPECIFICATIONS

Quality European design and manufacture, zinc plated high quality steel made to comply with standards EN362 & EN12275

Model No.	Length (mm)	Thickness of Material (mm) NOT NUT	Inside Eye Width (mm)	Opening (mm)	Suits DCD Swivel Model No.'s (and larger)	WLL* 5:1 (kg)	WLL* 3:1 (kg)	Break Load (kg)	Wt (kg)
K600.08.W	88	8	17.5	17.5	00505-010	650	1,083	3,250	0.10
K600.10.W	106	10	20.5	20.5	00505-015	1,000	1,667	5,000	0.15
K600.12.W	124	12	23.5	23.5	00505-020	1,250	2,083	6,250	0.26
K600.16.W	161	16	29.5	29.5	00505-030	2,500	4,167	12,500	0.63

*5:1 safety factor for lifting is printed on the unit, however for pulling applications only 3:1 safety factor is required (unless otherwise nominated)



UNDERGROUND PULLING

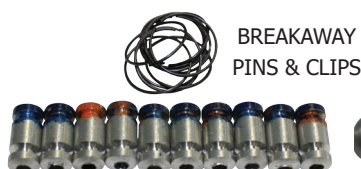
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BREAK-AWAY SWIVELS & FUSES (MADE IN CANADA)

The purpose of this product is to protect the utility being installed from overload.

Typically, they would be used during the installation of fibre optic cable or very small gas ducting where the connector can be pre-set to breakaway at a predetermined load, thus protecting the fibres or the duct. The breakaway pins may be changed to allow the same connector or swivel to be used with a variety of different breakaway pins.

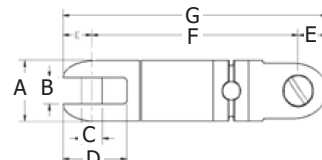
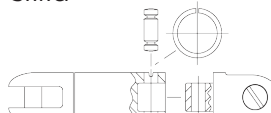
DCD



BREAKAWAY
PINS & CLIPS



Swivel



Model No.	Dimensions (mm)							Max Pin WLL (kg)	Use Breakaway Pin Type	WT (g)
	A	B	C	D	E	F	G			
00550-005	15.9	7.1	4.7	17.4	6.3	69.8	82.5	307	A	80
00550-010	22.2	9.5	7.9	24.6	11.1	80.9	103.2	455	B	190
00550-020	31.8	13.5	10.3	32.5	13.5	114.3	141.3	1818	C	550

BREAKAWAY SWIVEL PINS FOR 00550 SERIES BREAKAWAY SWIVELS

Model No. (Kit=Qty 10 Pins)	Break Point ±10% (kN)	Colour Code	Model No. (Kit=Qty 10 Pins)	Break Point ±10% (kN)	Colour Code	Model No. (Kit=Qty 5 Pins)	Break Point ±10% (kN)	Colour Code
Type A (Swivel 00550-005)			Type B (Swivel 00550-010)			Type C (Swivel 00550-020)		
00555-002	0.88	WHITE	00535-002	0.88	WHITE	00555-013	6.09	WHITE
00555-0034	1.51	RED	00535-004	1.77	YELLOW	00555-018 ³	8.00	GREEN
00555-004	1.77	YELLOW	00535-006	2.66	ORANGE	00555-020 ³	8.89	BLUE
00555-0045	2.00	BLUE	00535-008	3.55	GREY	00555-027 ²	12.01	BLACK
00555-006	2.66	ORANGE	00535-010	4.44	RED	00555-036	16.01	YELLOW
00555-007 ⁴	3.00	BLACK				00555-040 ¹	17.79	RED

Suits Type of Cable;

¹ 300mm² - 500mm², 3 Core + 300mm Triplex (11kV)

² 95mm²-300mm², 3 Core (11kV)

³ 630mm² Single Core Cu (11kV) + LV Unarmoured Cables

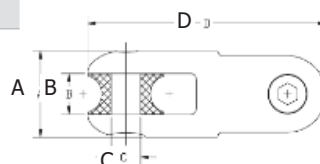
⁴ 300mm² XLPE Single Core or smaller

ROPE TO ROPE CONNECTORS

The Rope to Rope Connectors are used to connect two ropes of up to 22mm diameter. The entire product, including sheaves, is manufactured from Stainless Steel. Replacement sheaves are available by contacting your nearest Specialised Force Branch.

Model No.	WLL (kN)	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
00521-020	66.7	16	44.45	19.5	17.5	123.8	0.7
00521-035	66.7	22	50.8	23.8	17.5	139.7	1.23
00521-040	111.2	22	61.1	25.4	22.2	157.9	2.04

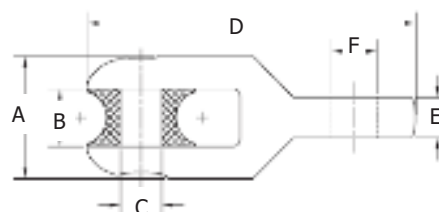
* WLL (Working Load Limit) 3:1 recommended as a guide only



ROPE TO SWIVEL CONNECTORS (MADE IN CANADA)

DCD

This product is used to connect a swivel to pulling rope. The entire product, including sheave, is manufactured from Stainless Steel. Replacement sheaves are available by contacting your nearest Specialised Force Branch.



Model No.	WLL (kN)	Max. Rope Dia. (mm)	Dimensions (mm)						Weight (kg)	Fits Line Swivel
			A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)		
00522-025	31.1	22.2	50.8	23.8	17.5	134.9	12.7	13.4	0.9	00505-020 00505-025 00505-027
00522-035	66.7	22.2	50.8	23.8	17.5	136.53	16.6	19.0	1.0	00505-030 00505-035

* WLL (Working Load Limit) 3:1 recommended as a guide only



UNDERGROUND PULLING

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PULLING EYES

Pulling Eyes

Many sizes and types available, suitable for: Cu & Al (Telecomm/Utility); Stranded Cu/Al wires in all sizes; Single Core, 3 Core; XLPE Insulated (HV & LV); Gel-filled (Telecommunication) cables, Fibre Optic and Pressurised Cables.



CEC Type (without spike for single core)
CHE Type (with spike for multi core)



CGP5 Type
(with gel port, for gel filled)



RPE Type
(re-usable type with optional sleeve)

CRIMPING KIT

Standard Hand Kit includes;

- Rope Crimping Block & Retaining Ring (CDB-100 [<120] or CDB-150 [>120] and CRR-120 for CDB-100, CRR-150 for CDB-150)
- Hydraulic Ram Cylinder (RG-106)
- Hydraulic Hose with Couplers & Dust Caps (HPS-0602CB)
- Hydraulic Hand Pump with Gauge (P-235, FGA-1 & PG-63)

Additional Required Items;

- Push Rod, 1 Required for each Crimp Die* (CDBPR)

* **NOTE** – Crimper Dies and Crimper ropes Sold Separately in Size Ranges

(Electric pump kit with pendant hand control or foot switch also available upon request)



RE-USABLE PULLING EYES



SINGLE CORE

MULTIPLE CORE

Reusable pulling eyes for pulling underground cables. Available in single and multiple core versions. Conical wedge included for pulling single core cables and have standard sleeve lengths which are a maximum of 300mm ID.

Model No.	Core	Core Size (mm) OD
RPE-1015	Single	10-15
RPE-1520	Single	15-20
RPE-2025	Single	20-25
RPE-2530	Single	25-30
RPE-3035	Single	30-35
RPE-3540	Single	35-40
RPE-4045	Single	40-45
RPE-4550	Single	45-50
RPE-5055	Single	50-55
RPE-5560	Single	55-60
RPE-6065	Single	60-65
RPE-6570	Single	65-70
RPE3-1015	Triple	10-15
RPE3-1520	Triple	15-20
RPE3-2025	Triple	20-25
RPE3-2530	Triple	25-30
RPE3-3035	Triple	30-35
RPE4-1015	Quad	10-15
RPE4-1520	Quad	15-20
RPE4-2025	Quad	20-25
RPE4-2530	Quad	25-30
RPE4-3035	Quad	30-35

Custom sizes available.

SUB SURFACE TELECOMMUNICATION HAULING ROPE



MEDIUM ROPES FOR SMALL/MEDIUM CABLES INTO MAIN DUCTS

6mm PP Rope Blue/Yellow

- Telstra certified product
- Tangle free uncoiling to coil end, no waste
- Available in 400m coils
- App Break Force of 602kg
- Weight 7kg per coil, 45 coils to a pallet
- "Parramatta Rope"

Model No.: ROS0614 (400m)



AQUATEC ROPE

Polypropylene Aquatec Rope - 3 Strand Medium Lay

- 16mm OD x 250m long roll
- Excellent abrasion and shock load resistance
- High tenacity, strength to weight ratio
- UV resistant with excellent weathering properties
- Acid and Alkaline resistance
- Excellent for knotting and splicing
- Not affected by water
- 4,500kg Breaking Strain (1,500kg WLL)

Model No.: AQ16G (250m)



JETLINE/MOUSING LINE/BLOWING TWINE

Paktwine Premium Lashing

- Manufactured from Virgin PP for high strength and durability
- 2830 tex 1/350, available in 2 x 1300m spools per pack
- Applied break force of 110kg
- Supplied in white colour, soon to be supplied in orange

Model No.: LAS0111M



HIGH FORCE COMPOSITE-DOUBLE BRAIDED CABLE PULLING ROPE (MADE IN USA)

PELICAN ROPE
The Most Trusted Name in Rope™



With shock absorption properties similar to nylon and a higher tensile strength than either nylon or polyester, this rope offers even balance and excellent resistance to abrasion, sunlight and most common chemicals.

DETAILS

- Double-braided inner core with double-braided outer jacket
- Rot and mildew resistant.
- Factory spliced eyes at both ends.
- Lowest stretch
- Select a rope with a maximum rated capacity that meets or exceeds the cable Puller's maximum capacity.
- White rope with green tracer for easy identification
- Supplied on heavy-duty plastic or wooden reel



Spliced Eye C/W Chafe Guard Each End



Note: 10x12mm dia pulling ropes can be found on page 127.

SPECIFICATIONS

Model No.	Rope Diameter	Rope Length	Average Breaking Strength*		Weight
	mm	m	kN		Kg
4N-180-03S	14.3	91	54.6		12.7
4N-180-06S	14.3	182	54.6		28.6
4N-180-12S	14.3	365	54.6		59.0
4N-240-03S	19.1	91	114.5		26.3
4N-240-06S	19.1	182	114.5		51.3
4N-240-12S	19.1	365	114.5		104.3
4N-240-001	19.1	500	114.5		142.9
SUITS GREENLEE 31466 CABLE PULLER					
4N-280-03S	22.2	91	134.1		40.8
4N-280-06S	22.2	182	134.1		80.7
4N-280-12S	22.2	365	134.1		163.3
4N-280-001	22.2	500	134.1		223.7
SUITS GREENLEE 00813 & 00814 CABLE PULLER					

* Working Load Limit is 5:1 for Lifting and 3:1 for Pulling applications of "Break Strength" unless otherwise specified by manufacturer, local authority, procedure or guideline

NOTE: Longer rope lengths available on request

HIGH TECH UTILITY CABLE PULLING & STRINGING ROPE (MADE IN USA)

PELICAN ROPE
The Most Trusted Name in Rope™



HIGH STRENGTH 12-STRAND DYNEEMA – the world's strongest fibre

All DYNEEMA Ropes are light blue urethane coated for extra abrasion resistance

This high performance rope is the first choice of top Industrial and Utility professionals

Unaffected by Oil and Common chemicals, this high strength rope is easily spliced, exhibits low flex fatigue, near zero creep, excellent abrasion resistance with a low elongation-to-break ratio. Load sharing and staggering failure built in can eliminate dangerous backlash.

Dyneema is Kilo for Kilo, **10 times stronger than steel and 33% lighter than Nylon with over 3x the strength of Polyester** or Nylon. Additional protection is provided by our urethane coating, Eyes are professionally hand-Spliced along with polyester chafe guards. Break strength remains constant in wet or dry conditions making this the perfect choice for cable pulling and stringing operations mooring and towing lines, offshore positioning ropes, yachting lines, commercial fishing ropes, round-slings and tree climbing lines. With a specific gravity of 0.98, this rope floats!



DETAILS

- Low Flex Fatigue
- Near Zero Creep
- High UV resistance
- Floats on Water
- Eliminate Backlash
- 6% Elongation at Break
- Excellent Abrasion Resistance
- 3x Stronger than Polyester or Nylon
- Specify length when ordering

SPECIFICATIONS*

Model No.	Rope Dia. (mm)	Break strength* (kg)	Weight per 30m (kg)
7DP-120	9.5	5,227	1.18
7DP-100	7.9	8,181	1.64
7DP-140	11.1	10,900	2.09
7DP-160	12.7	13,636	2.90
7DP-180	14.3	17,272	3.40
7DP-200	15.9	23,181	4.10
7DP-240	19.1	28,181	5.85
7DP-280	22.2	40,909	8.45
7DP-320	25.4	50,000	10.00

IMPORTANT INFO

For UG pulling applications we recommend a double braided outer jacket be applied. This protects your quality rope from dirt ingress, cuts and abrasions. Double braided covers are also required for gripping on capstan style drums, Dyneema can only be used on a capstan style winch with a double braided cover.

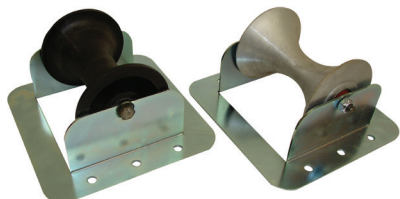
* Working Load Limit is 5:1 for Lifting and 3:1 for Pulling applications of "Break Strength" unless otherwise specified by local authority, procedure or guideline

UNDERGROUND PULLING

www.specialisedforce.com.au

FLAT, GROUND & RAISED ROLLERS

All units chrome zinc plated finish and choice of polypropylene or aluminium roller.



**FGR/FGRA Series
Flat Ground Roller**

Small and cost effective unit to use in flat conditions. The frame features three holes either side for mounting to walls or cable trays, etc.



**NTR/NTRA Series
Flat Trench Roller**

A durable trench roller guide that can also be turned on its side for corner pulls. The roller is placed behind the direction of pull and is offset from centre to reduce the possibility of tipping forward during pulling operations.



**RTR/RTRA Series
Raised Trench Roller**

This trench roller guide is designed for instances where an existing cable or conduit is in place. The roller is placed behind the direction of pull and is offset from centre to reduce the possibility of the roller tipping forward during pulling operations.

Model No.	Dimensions (mm)	Roller Type	Replace Roller Model	WLL* (kg)	Max Cable (mm OD)	Weight (kg)
FGR-140	250 x 240 x 130	Polypropylene	PR-140	300	150	1.80
FGRA-140	250 x 240 x 130	Aluminium	ALR-140	1000	150	3.20
FGRA-205	285 x 240 x 150	Aluminium	ALR-205	1500	195	5.10
NTR-120	330 X 170 X 150	Polypropylene	PR-140	500	150	1.20
NTRA-120	330 X 170 X 150	Aluminium	ALR-140	1000	150	2.80
NTRA-205	330 x 225 x 170	Aluminium	ALR-205	1500	195	5.00
RTR-140	330 x 220 x 250	Polypropylene	PR-140	500	150	2.10
RTRA-140	330 x 220 x 250	Aluminium	ALR-140	1000	150	3.10
RTRA-205	330 x 270 x 250	Aluminium	ALR-205	1500	195	5.30

*WLL 2:1 Safety Factor

ALR Series: Aluminium roller with sealed bearings to suit cables up to ø150mm (ALR-140) & ø195mm (ALR-205).

PR-140: Plastic roller with bearings to suit cables up to ø140mm.

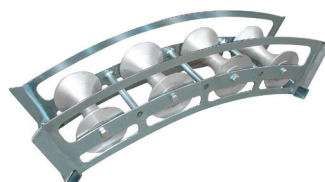
CURVED & CORNER TRENCH ROLLER GUIDES

Solid construction trench roller guides for manholes with provisions to peg the units down. Rollers supplied with twin internal bearings. Zinc plated finish on all units.



TRGM-140-3A45

45° Curve



TRGM-140-900R

45° Curve - Large



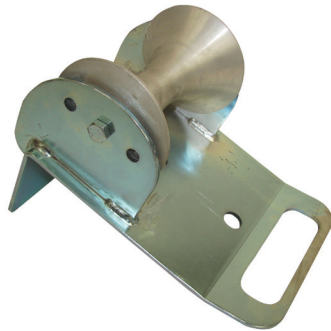
TRGM-140-4A90

90° Corner (Adjustable rollers, can be set on side)

Model No.	Dimensions (mm)	Angle (°)	Bend Radius (mm)	No. of Rollers	Max Cable (mm OD)	Weight (kg)
TRGM-140-3A45	590 x 230 x 220	45	500	3	150	9.60
TRGM-140-900R	820 X 230 X 245	45	900	4	150	12.50
TRGM-140-4A90	690 x 690 x 200	90	-	4	150	15.00

MANHOLE ROLLER GUIDE

These manhole roller guides can sit either on top of the manhole edge or even be set up in the manhole for corner pulls. Rollers supplied with sealed bearings and will suit cables up to 150mm in diameter (replacement roller only ALR-140). Chrome zinc plated finish.



TRGM-100
Single Roller



TRGM-100-2
Twin Roller



TRGM100-3
Triple Roller

Model No.	Dimensions (mm)	Roller Type	No. of Rollers	Max Cable (mm OD)	Weight (kg)	WLL (kg)
TRGM-100	300 X 200 X 205	Aluminium	1	150	5.30	1000
TRGM-100-2	420 X 200 X 195	Aluminium	2	150	7.60	1000
TRGM-100-3	420 X 200 X 220	Aluminium	3	150	11.50	1000

PMCG & PMRG SERIES PIVOTING MANHOLE GUIDES

Pivoting manhole cable guide which uses a slipper or roller to allow easy passage of cable laying and centre. Chrome zinc plated finish on all units.



PMCG Series
Pivoting Slipper Guide



PMRG Series
Pivoting Roller Guide



Model No.	Dimensions (mm)	No. of Rollers	Suits Cable (mm OD)	Suits Conduit (mm OD)	Weight (kg)
PMCG-080	380 x 200 x 210	-	-	80	4.00
PMCG-100	390 x 200 x 240	-	-	100	4.60
PMCG-125	420 x 200 x 270	-	-	125	5.00
PMCG-150	450 x 200 x 280	-	-	150	5.60
PMRG-080	450 x 200 x 310	3*	105	-	9.40
PMRG-140	450 x 200 x 310	3*	150	-	11.70

* Replacement roller ALR-115 suitable for 105mm OD cables

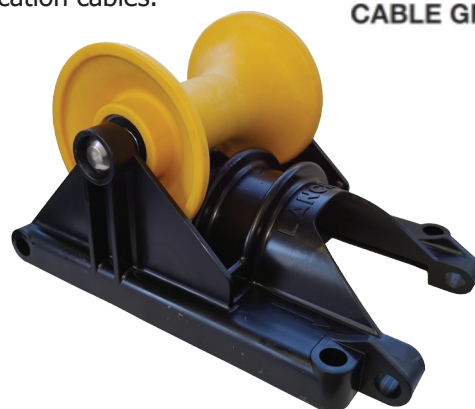


LIGHT WEIGHT UNDERGROUND CABLE ROLLER

Underground cable roller for the installation of power or communication cables.

FEATURES

- Quality German made
- Lightweight polypropylene frame
- Lightweight and shock resistant
- For up to 132mmOD cable
- Sealed ball bearings
- Multiple function design with interlocking stake holes
- Shaped for interlocking storage



Model No	Description	WLL (kg)	Dimensions LxWxH (mm)	Max Cable OD (mm)	Weight Each (kg)
14211	Plastic Cable Roller	500	345x229x195	132	2.2

STACKABLE GALVANIZED STEEL CARRY FRAME

Strong steel frame for transportation and storage of 6 rollers.

Model No	Description	Dimensions (mm)	Weight (kg)
08255	Carry Cage for 6 x # 14211	400x250x750	6.0
14211-KIT	Carry Cage + 6 Rollers	400x250x750	19.2



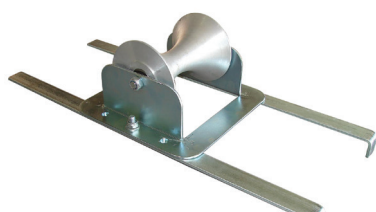
RE-USEABLE ANCHOR PINS

- Used to secure rollers into the ground.
- Comes with off-set pull ring so it does not get damaged by hammering into the ground. All made from steel with zinc plating (shown below shown painted).

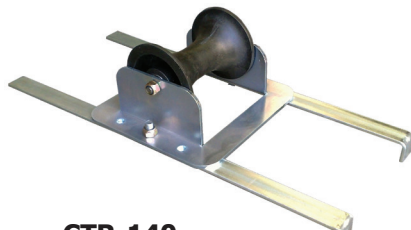
Model No	Description	Dimensions (mm)	Weight (kg)
01280	Anchor Pin c/w Pull Ring	800x16	1.1



CABLE TRAY ROLLERS (ALL ROLLERS HAVE ROLLER BEARINGS)



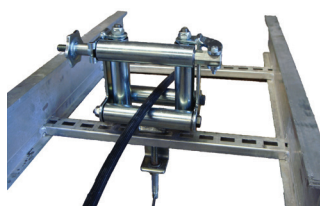
CTRA-140



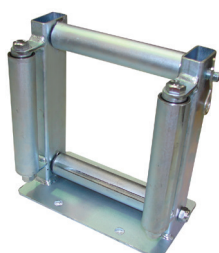
CTR-140



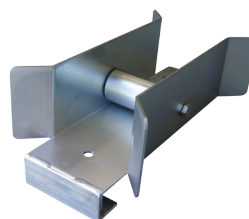
CTR-50



CTR-60C-5R



CTR-165X



CTR-360

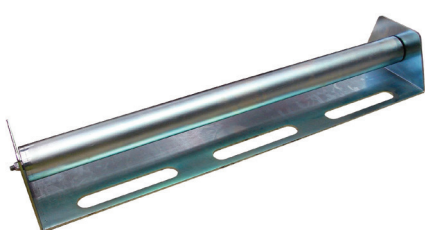


CTR500-15R

Model No.	Description	Roller Size mm	Roller Type	Weight (kg)
CTR-140	CABLE TRAY ROLLER GUIDE	150mm OD Max Cable, 600mm rung arms	Nylon	3.4
CTRA-140	CABLE TRAY ROLLER GUIDE	150mm OD Max Cable, 600mm rung arms	Aluminium	4.8
CTR-50	CABLE TRAY ROLLER, BI-DIRECTIONAL	Cable up to 60mm OD	Plated	5.1
CTR-60C-5R	CABLE TRAY ROLLER	5 Tube Rollers 80mm Cross Section WLL 200kg 3:1 Safety Factor	Plated	4.7
CTR-165X	CABLE TRAY ROLLER	165mm OD Cross Section	Plated	7.0
CTR-360	CABLE TRAY ROLLER	42 x110mm Roller	Plated	3.6
CTR500-15R	90° Angle with Vertical & Horizontal Rollers		Plated	15.0

LONG FEEDING TRENCH ROLLER GUIDES

These units are ideal as a run off roller for large cable installations. All rollers have bearings.



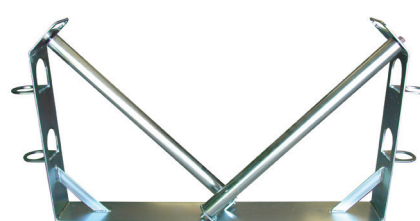
TRGM-1000

Standard Unit, Chrome Zinc Plated Finish



TRGM-700

Aluminium Roller & Framework to keep weight down, provisions for fixing down



TRGM1000-2R

Two 45° Angle Rollers to keep cable laying direction, provisions for fixing down, Chrome Zinc Plated Finish

Model No.	Dimensions (mm)	Angle (°)	Roller Length (mm)	No. of Rollers	Rollers (mm OD)	Weight (kg)
TRGM-1000	1010 x 250 x 155	0	1,000	1	76	17.60
TRGM-700	890 x 220 x 320	0	700	1	100	8.00
TRGM1000-2R	1065 x 120 x 535	45 (2x)	640	2	42	15.00



TCR SERIES TRENCH CORNER ROLLERS

Hearthill's TCR series are manufactured with mild steel components to ensure a long lasting durability for heavy cable hauling. Complete with pressed sealed bearings in rollers. These units will dramatically reduce the friction and drag around all bend radiuses depending on the configuration. The TCRI-60-230 is the inverted trench corner roller which eliminates cables riding up on the standard TCR. Zinc plated finish and supporting frame features laser cut holes for bolting down.



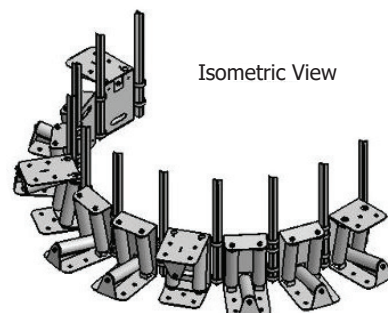
TCR60-230
Standard



TCRI60-230
Inverted



TCR78-300
For Larger Cables



Model No.	WLL (kg)	Dimensions (mm)	Type	No. of Horizontal Rollers	No. of Vertical Rollers	Rollers (mm OD)	Weight (kg)
TCR60-230	2,000	320 x 305 x 290	Standard	2	1	60	9.70
TCRI60-230		320 x 305 x 290	Inverted	1	2	60	10.30
TCR78-300		330 x 165 x 330	Large	1	1	60	13.80

Star picket guides are welded onto TCR60-230/TCRI60-230 and dynabolt holes on TCR78-300 for easy installation. Star pickets are optional extras and are supplied at 600mm long, Model No. SP-600.

ROLLER & SPARE PARTS

Roller Spares for Hearthill Underground Equipment

PLEASE NOTE: Specialised Force supplies a full range of accessories please contact your nearest branch for other items not shown



Spare Rollers



VARIOUS ALUMINIUM ROLLERS
INCLUDING BEARINGS




VARIOUS STEEL ROLLERS
INCLUDING BEARINGS



VARIOUS NYLON/PLASTIC
ROLLERS

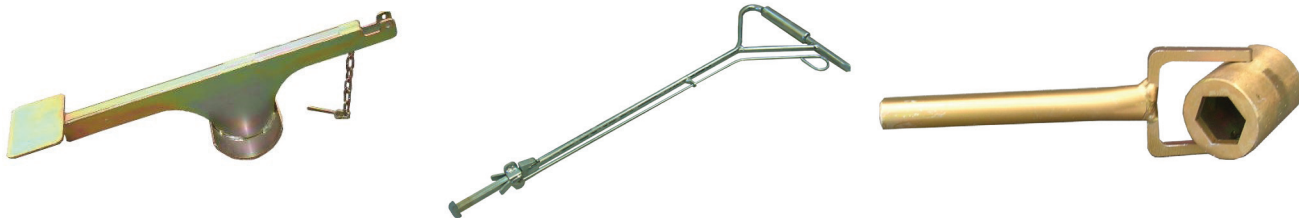
Custom sizes available.

GATIC PIT LID LIFTERS

Gatic Lifters		
Image		
Model No.	31351	28871
Description	D-HANDLE GATIC LID LIFTER	LONG HANDLE GATIC LIFTER
Dimensions (mm)	200 x 200 (h x w)	900 long
Weight (kg)	2.1	2.1
Features	<ul style="list-style-type: none"> • Used for breaking the seal on Gatic® lids • Heavy duty cast construction • D-Handle lifters should be used to break seal prior to lifting lid • Medium duty, round handle • Suits all Gatic® style lids • Drop forged Gatic® bolt • All steel product • Fully welded construction • Zinc coated • Best used in pairs 	

PIT & PILLAR TOOLS & ACCESSORIES



Pit & Pillar Accessories		
		
Model No. PB-100	Model No. PK-500	Model No. PS21-26
PIT LID SEAL BREAKER	PIT LID LIFTER	PILLAR SPANNER 21 & 26mm

HOOK SHEAVES 35.8kN WLL (MADE IN USA)

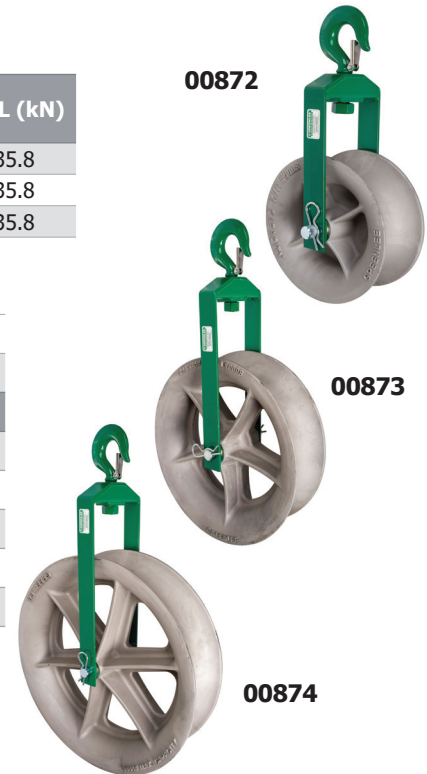
- Can be used with Greenlee cable puller.
- Strong, welded steel frames.
- Forged steel closure type hooks with 25.4mm opening.
- Sheaves are aluminium alloy with self-lubricating bearings.



Model No.	Greenlee Model No.	OD (mm)	Inside Radius (mm)	Width (mm)	Weight (kg)	WLL (kN)
00872	8012	305	98	127	12.7	35.8
00873	8018	458	178	152	19.9	35.8
00874	8024	610	251	165	30.3	35.8

SPARE PARTS

Sheave Model No.	00872	00873	00874
Diameter (mm)	305	458	610
Description of Part	Model No..	Model No.	Model No.
Roll Pin	50700	50700	50700
Sheave Pin	00838	00846	00850
Sheave Pin Clip 50302	50302	50302	50302
Sheave Unit	00843	00844	00845
Yoke Frame	00854	00855	00856



THESE SHEAVES IDEAL FOR WORKING WITH GREENLEE ELECTRIC CABLE PULLERS. USE ROLLER SUITABLE FOR MACHINE CAPACITY, REFER PAGE 132-133

HOOK SHEAVES (MADE IN USA)

- Strong, welded steel frames.
- Forged steel closure-type hooks with 25.4mm opening.
- 127mm wide aluminium alloy sheaves with self-lubricating bearings.

Model No.	Greenlee Model No.	OD (mm)	Inside Radius (mm)	Sheave Width (mm)	Weight (kg)	WLL (kN)
15324	650	152	38	127	4.0	17.8
15325	651	305	84	127	6.8	17.8
15326	652	457	178	127	11.3	17.8
15327	653	610	249	127	15.9	17.8

SPARE PARTS

Sheave Model No.	15324	15325	15326	15327
Diameter (mm)	152	305	457	610
Description of Part	Model No.	Model No.	Model No.	Model No.
Sheave Pin	16797	16797	16797	16797
Sheave Pin Clip (2)	50302	50302	50302	50302
Sheave	15362	15358	15363	15364
Sheave Bushing (2)	16798	16798	16798	16798
Yoke Frame	16799	16800	16801	16802



15327

Model No. 17265 RIGHT ANGLE TWIN YOKE SHEAVE (MADE IN USA).

- Strong welded steel yokes.
- Forged steel closure type hook with wide aluminium alloy sheave with self-lubricating bearings.
- Yokes rotate independently to fit various setups.

SPARE PARTS

Description of Part	Model No.
Sheave Pin	17266
Sheave Pin Clip (2)	50302
Sheave	15364
Sheave Bushing (2)	16798
Yoke Frame	17299

Model No.	17265
Greenlee Model No.	639
Opening	25.4
Min Radius (mm)	249
Sheave Width (mm)	127
WLL (kN)	17.8
Wt (kg)	20.4



17265



Model No. 31569 TRIPLE SHEAVE CABLE GUIDE (MADE IN USA)

- Forged steel closure type hook with 38.1mm opening.
- Lightweight aluminium frame with adjustable centre sheave.
- Steel yoke is pinned for easy removal.

Model No.	Greenlee Model No.	Height (mm)	Length (mm)	Width (mm)	Adjustable Centre Sheave Radius (mm)	Sheave Width (mm)	Weight (kg)	WLL (kN)
31569	6036	555	610	187	495/914	127	12.7	28.9

31569



CONVEYOR SHEAVES

- Welded steel frame with a series of sheaves to form a large radius
- Yokes with cast steel closure-type hooks with a 25.4mm opening
- 127 mm wide aluminium alloy sheaves
- Use with any cable puller with maximum pulling force of 17.8kN

Model No.	Greenlee Model No.	Description	No. of Sheave Wheels	Max Pull Force (kN)	Wt (kg)
26368	4024	610mm Sheave	6	17.8	24.5
26369	4036	915mm Sheave	8	17.8	27.0
26370	4048	1220mm Sheave	10	17.8	38.0

REPLACEMENT PARTS	
19185	Yoke Frame
15362	Sheave with Bearings
19186	Sheave Pin
50302	Sheave Pin Clip
31573	Sheave Pin



THESE SHEAVES IDEAL FOR WORKING WITH GREENLEE ELECTRIC CABLE PULLERS. USE ROLLER SUITABLE FOR MACHINE CAPACITY, REFER PAGE 133-134



CS & CLS SERIES STANDARD & LOCKABLE CONDUIT SLIPPER GUIDE

Cable slippers protect cables from sharp corners of conduit during laying. They are robust and economical with much thicker material than the cheaper versions on the market. Zinc plated finish. CLS series are lockable.

Model No. *	Dimensions (mm)	Conduit Nom. OD (mm)	Bending Radius	Approx Equip OD (mm)	Weight (kg)
CS-050E	310 X 50 X 85	50	R100	42	0.50
CS-050T	310 X 50 X 85	50	R100	48	0.50
CS-063E	310 X 50 X 85	63	R100	48	0.50
CS-080	465 X 90 X 150	80	-	74	1.30
CS-100	560 X 110 X 180	100	R150	98	2.50
CS-125	720 X 140 X 230	125	R200	118	4.90
CS-150	750 X 160 X 250	150	R270	138	5.30
CLS-050E	310 x 130 x 150	50	R100	38	1.20
CLS-050T	310 x 130 x 150	50	R100	48	1.20
CLS-063	310 x 130 x 150	63	R100	48	1.20
CLS-080	410 x 160 x 250	80	R150	74	2.50
CLS-100	550 x 190 x 340	100	R200	98	4.60
CLS-125	680 x 220 x 410	125	R270	118	6.80
CLS-150	720 x 250 x 450	150	R270	138	7.20

* "T" for Telecommunications Conduit or "E" for Electrical Conduit
ALWAYS MEASURE CONDUIT ID



CS Series



CLS Series



FEEDING SHEAVES & GUIDES

IFS SERIES IN-LINE BELL MOUTH

Placed inside conduit with "bell mouth" to aid with laying cables, also has spreader bolt to lock tight into conduit. Chrome zinc plated finish.

FS SERIES LOCKABLE FEEDING SHEAVES

Lockable feeding sheave with roller (115/140mmOD) to aid the entrance and exiting of cables through conduits.


FS-***-4R LOCKABLE MULTIPLE ROLLER GUIDE

The quad roller is a multi-directional roller guide. This sheave has the added benefit of a hinged top roller for removal of cable and roller guide from conduit. Chrome zinc plated finish.

FS-***-4A90 LOCKABLE FEEDING SHEAVE WITH 4 ROLLERS IN 90° RADIUS

Lockable angled guiding rollers for inside manholes are set at 90° with a radius of 450mm. Suitable for directional changes within a manhole. The support frame rests against the wall offering added strength should the pull require it. Zinc plated finish on all with lockable with tension bolt.



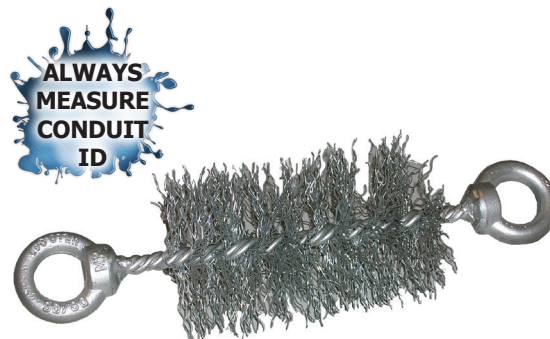
Image	Model No. *	Dimensions (mm)	Conduit Nom. OD (mm)	Approx Equip OD (mm)	Weight (kg)
 IFS Series	IFS-050E	255 X 120 X 115	50	42	1.60
	IFS-050T	255 X 130 X 115	50	48	1.60
	IFS-063E	255 X 140 X 115	63	48	1.60
	IFS-063T	250 X 155 X 110	63	60	1.70
	IFS-080	250 X 200 X 140	80	74	1.80
	IFS-100	250 X 220 X 155	100	98	2.80
	IFS-125	250 x 240 x 165	125	118	3.20
	IFS-150	250 x 260 x 175	150	138	4.40
	IFS-200	290 x 270 x 220	200	190	7
 FS Series	FS-050E	370 X 160 X 180	50	38	2.90
	FS-050T	380 X 160 X 180	50	48	3.30
	FS-063E	380 X 160 X 180	63	48	3.30
	FS-063T	380 X 160 X 180	63	60	3.30
	FS-080	370 X 170 X 200	80	74	3.50
	FS-100	390 X 190 X 210	100	98	5.60
	FS-125	390 X 200 X 220	125	118	6.10
	FS-150	400 X 230 X 230	150	138	6.40
	FS-200	460 X 280 X 320	200	190	13.90
 FS-***-4R Series	FS-080-4R	360 x 200 x 170	80	74	5.20
	FS-100-4R	380 x 220 x 180	100	98	6.50
	FS-125-4R	390 X 230 X 260	125	118	7.00
	FS-150-4R	390 X 260 X 280	150	138	7.90
	FS080-4A90	900 X 620 X 260	80	74	12.20
	FS100-4A90	900 X 620 X 260	100	98	15.00
	FS125-4A90	900 X 620 X 260	125	118	15.00
	FS150-4A90	900 X 620 X 260	150	138	15.00
	FS200-4A90	900 X 620 X 260	200	190	23.80

* "T" for Telecommunications Conduit or "E" for Electrical Conduit

WBC SERIES WIRE CLEANING BRUSH

These wire brush cleaners are made with 22g wire strands and are complete with welded eyes at each end for pulling. For internal cleaning of ducts and conduits of debris. Galvanised finish.

Model No.	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Brush Approx. OD (mm)	Wt (kg)
WBC-050	230 x 55 x 55	50	55	0.25
WBC-063	245 x 70 x 70	63	70	0.25
WBC-080	390 x 90 x 90	80	90	0.60
WBC-100	435 x 110 x 110	100	110	0.60
WBC-125	470 x 130 x 130	125	130	0.65
WBC-150	470 x 130 x 130	150	130	0.80
WBC-200	600 x 230 x 230	200	230	0.90

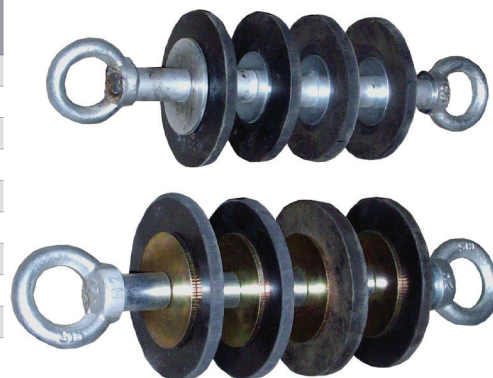


CRC SERIES CONDUIT RUBBER CLEANER

The Conduit rubber cleaner (or Squeegee) is manufactured with four rubber squeegees and a pulling eye at each end for hauling. Large debris should be removed first with WBC wire brush then with CRC to remove finer sediment like gravel and mud, etc. Zinc plated finish on metal components. For conduits below 80mm please specify whether it is to service a telecommunication or electrical conduit.

Model No. *	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Cleaner Approx. OD (mm)	Wt (kg)
CRC-050E	160 x 46 x 46	50	46	0.25
CRC-050T	160 x 53 x 53	50	53	0.25
CRC-063E	160 x 58 x 58	63	58	0.25
CRC-063T	160 x 66 x 66	63	60.0	0.30
CRC-080	250 x 85 x 85	80	85	1.05
CRC-100	250 x 107 x 107	100	107	0.80
CRC-125	250 x 130 x 130	125	130	1.00
CRC-150	250 x 148 x 148	150	148	1.15
CRC-200	250 x 205 x 205	200	205	1.85

* "T" for Telecommunications Conduit or "E" for Electrical Conduit



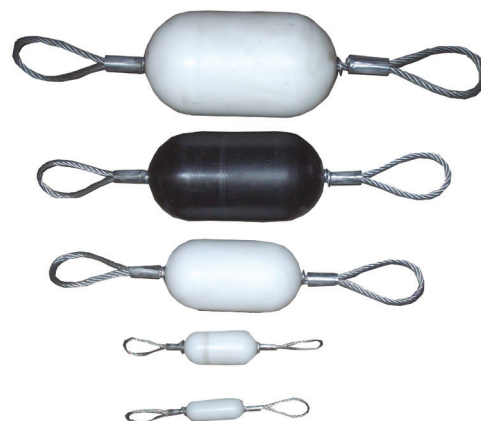
DPM SERIES CONDUIT PROVING MANDRELS

Proving mandrels are used to test the circular integrity of a conduit after back filling. Made from high density polyethylene for long durability and inherent lubricity. Each DPM is assembled with galvanised wire rope and aluminium ferrules to create an eye at each end for fixing of rope for hauling.

Model No. *	Dimensions OAL x W (mm)	Conduit Nom. OD (mm)	Mandrel Approx. OD (mm)	Wire OD (mm)	Mandrel Length (mm)	Wt (kg)
DPM-014T	24 x 14	^	14	^	^	< 0.5
DPM-018T	30 x 18	^	18	^	^	< 0.5
DPM-024T	40 x 24	^	24	^	^	< 0.5
DPM-028T	45 x 28	^	28	^	^	< 0.5
DPM-032T	55 x 32	^	32	^	^	< 0.5
DPM-038T	60 x 38	^	38	^	^	< 0.5
DPM-050E	270 x 40	50	40	6	80	0.15
DPM-050T	270 x 47	50	47	6	80	0.15
DPM-063E	350 x 52	63	52	8	100	0.30
DPM-063T	350 x 60	63	60	8	100	0.35
DPM-080	500 x 74	80	74	10	180	0.95
DPM-100	500 x 90	100	90	10	180	2.00
DPM-125	565 x 118	125	113	12	245	2.85
DPM-150	565 x 130	150	130	12	245	3.20
DPM-200	600 x 184	200	184	12	280	4.50

* "T" for Telecommunications Conduit or "E" for Electrical Conduit

^ Specifications on demand



RS SERIES RUBBER SLUG

The Rubber slug is use to spread cable lubricant or gel through a conduit. Supplied in sizes to suit conduits from 50mm to 200mm. Zinc plated finish.

Model No. *	Dimensions OAL x W (mm)	Conduit Nom. OD (mm)	Slug Approx. OD (mm)	Wt (kg)
RS-050E	50 x 46	50	46	0.15
RS-050T	50 x 53	50	53	0.15
RS-063E	50 x 58	63	58	0.30
RS-063T	60 x 66	63	66	0.35
RS-080	80 x 85	80	85	0.95
RS-100	100 x 107	100	105	2.00
RS-125	100 x 130	125	130	2.85
RS-150	100 x 148	150	149	3.20
RS-200	170 x 205	200	205	1.05

* "T" for Telecommunications Conduit or "E" for Electrical Conduit



CABLE & FIBRE PULLING LUBRICANTS

Polymer-based, no silicon lubricant offers lower friction and easier pulling.

- Compatible with all cable insulation types.
- Cleans up quickly. Non-staining.
- Higher lubricity than competitive products.
- Will not cement itself to the pipe.
- Dries slowly.
- Can be applied by hand or pump.
- Will not break down or separate after exposure to heat or cold.
- Environmentally safe/non-hazardous.
- Completely soluble in water



Size examples



Model No.	Description	Volume (L)	Weight (kg)	Viscosity (CPS)	Ph Range	Average Cof
35211	Cable-Gel Squeeze Bottle	0.95	1	8,000 -12,000	7.0-8.0	0.18
35212	Cable-Gel Tub	3.79	3.9	8,000 -12,000	7.0-8.0	0.18
35213	Cable-Gel Bucket	18.93	20.4	8,000 -12,000	7.0-8.0	0.18

MSDS (Material Safety Data Sheet available upon request)

BLC SERIES BALLOON LINE CARRIERS

For use with blower (EBK).

Model No.	For Conduit (mm)
BLC-050	50
BLC-063	63
BLC-080	80
BLC-100	100
BLC-125	125
BLC-150	150
BLC-200	200





ELECTRIC BLOWER KIT

This high volume, low pressure blowing system is used to blow a balloon type bag attached to a draw line or string down a conduit. The draw line is then used to pull a heavier hauling rope back to your start position. This system can easily rope a 100mm conduit 300-500 metres. Dual stage motors, 230VAC/50Hz Electric Power Blower. 1300W delivering approximately 3.5 cubic metres of air per minute.



EBK2-130K KIT INCLUDES:

- 1 x Blower EBK2-1300
- 5m x 50mm hose EBP-5M50
- 1 x Hand-Gun EBH-30
- 1 each Conduit Seal-Offs Refer below table for sizes

Model No.	Description
ECS-12	Conduit seal off for 12 to 40mm
ECS-50	Conduit seal off for 40 to 70mm
ECS-110	Conduit seal off for 70 to 160mm
EG-3, EG-5, EG-7	Rope Grommets 3/5/7mm

Model No.	Description
EBK2-130K	Complete Blowing Kit
EBK2-1300	Blower Unit Only (11.9kg)



Rope Grommets

CRB SERIES CONDUIT ROPE BLOWER

This pneumatic conduit seal off was designed so to eliminate the need for multiple size seal off plugs, the tapered head for allows use on 40-150mm conduit (170mm at largest point so suitable for 150mm conduit bell end). Suitable for blowing 6mm Tesltra rope (Parramatta) on longer runs or jet line or twine on smaller runs. Made from 316 grade stainless steel with solid polyurethane cone. It requires a large compressor to operate (2.1cm³ 75 CFM minimum) with 3/4" Claw Air Fitting (Minsup A). CRBA-125 has an angled end to tight spots or pits.

Model No.	Suits Conduit (mm)	Length (mm)	Weight (kg)
CRB-150	50-150	630	4.1
CRBA-125	40-125	550	3.2



CRBA-125



CRB-150



CONDUIT SEAL OFFS & ROPING GUN

The air roping system is used when long distances of conduit or sub duct require a draw line to be installed. A standard compressor of around 175cfm/4.9cm³ or more is suitable for this job. The rubber seal offs are compressed inside the end of the conduits to avoid blow back and if further grip to the conduit is required additional rubber seal offs can be added to increase the hold on the ID of the conduit due to back pressure created with distance and water head pressure. Hand gun is complete with stainless steel ball valve, type-B connector and 3 x rope grommets to suit 3, 5 and 7mm draw lines. The connecting claw to the compressor hoses has the required safety feature for the locking clips. There are a series of seal offs ranging from 40-200mm whilst larger can be manufactured upon request.

Model No.	For Conduit (mm)
CSO-040	40
CSO-050	50
CSO-063	63
CSO-080	80
CSO-100	100
CSO-125	125
CSO-150	150
CSO-200	200



CSO-XXX
Conduit Seal Off



Rope Grommets

PRG-300
Pressure Roping Gun Shown with Seal Off (not included)

PRK-400 CONDUIT GUN KIT

Kit supplied with hand gun (PRG-300), 3 rope grommets and 50, 80, 100, 125 and 150 conduit seal offs.

Model No.
PRK-400
EG-3, EG-5, EG-7 (Rope Grommets 3/5/7mm)

Kit supplied with hand gun (**PRG-300**), 3 rope grommets and 50, 80, 100, 125 and 150 conduit seal offs.



OCCUPIED CONDUIT ROPE BLOWING GUN

Used for blowing Parramatta rope/Telstra rope or blowing twine/jet twine through 50mm (**OCSO-050**) and 100mm Ø (**OCSO-100**) nominal conduits already occupied with cables. Requires a large compressor to operate (2.1cm³ 75 CFM minimum) with 3/4" Claw Air Fitting (Minsup A).



OCSO-050



OCSO-100



CONTINUOUS FIBREGLASS RODS COILS

Quality- Australian Made.

Continuous coils of fibreglass rod, ideal for long distance rodding of ducts or conduits.

The rod includes a 1mm tracer wire in the centre and a 1.5mm layer of UV stabilised polyethylene sheathing for added protection and durability.

The set comes complete with a stand fitted (the 9mm & 11mm are supplied with wheels**) and a drag brake for holding the rod during operation, a threaded male fitting and removable eye on the outward end and a fixed eye on the inner end. The 9mm & 11mm also include a joining kit which consists of 2 joiners, 1 replacement eye, threaded end, glue and fitting instructions.

SIZES AND LENGTHS (All Sizes Include Trace Wire)



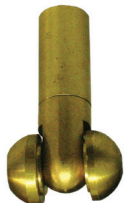



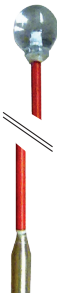

Model No.	Description	Length (m)	Dimensions (mm)	Wt (kg)	Replacement Rod
FRD5-40*	5mm Fibreglass Rodder	40	415x190x450	4.7	FRR5-40
FRD5-80*	5mm Fibreglass Rodder	80	415x190x450	5.1	FRR5-80
FRD7-75*	7mm Fibreglass Rodder	75	650x250x800	8.3	FRR7-75
FRD7-125*	7mm Fibreglass Rodder	125	650x250x800	13	FRR7-125
FRD7-150*	7mm Fibreglass Rodder	150	650x250x800	16	FRR7-150
FRD9-150**	9mm Fibreglass Rodder	150	800x450x1050	31	FRR9-150
FRD9-200**	9mm Fibreglass Rodder	200	800x450x1050	37	FRR9-200
FRD11-200**	11mm Fibreglass Rodder	200	1000x500x1250	55	FRR11-200
FRD11-250**	11mm Fibreglass Rodder	250	1000x500x1250	64	FRR11-250
FRD11-300**	11mm Fibreglass Rodder	300	1000x500x1250	73	FRR11-300

*** FREE STANDING**

**** INCLUDE SEMI-PNEUMATIC WHEELS**



ACCESSORIES – Available for 5mm, 7mm, 9mm & 11mm rods

								
Model No.	FEE-05 & FEE-7-11	SE9-11	RG-5, RG-7 & RG-9-11	ME-05, ME-07, ME-09, ME-11	JS-05, JS-07, JS-09, JS-11	SL-5, SL-7, SL-9, SL-11	FL9-11	PR040B
Description	Female End Fitting for 5, 7, 9, 11mm Rod	Swivel Eye for 9 & 11mm Rod	Roller Guide for 5mm, 7mm & 9-11mm Rod	Male End for 5, 7, 9 & 11mm Rod	Joiner for 5, 7, 9 & 11mm Rod	Spring Leader for 5, 7, 9 & 11mm Rod	Fibreglass Leader for 9 & 11mm Rod	Replacement Rollers for FRD9/11

JOINER FIXING KITS

Repair Kit Model No.	Rod OD (mm)	QTY	Each Kit Contains Description
JK-05	5	2	Joiner Sleeves
JK-07	7	1	Male End Fitting
JK-09*	9	1	Female End Fitting with Eye
JK-11*	11	1	Fitting Instruction
		2	Epoxy Glue, Mixing Sticks & Sheets, Sandpaper Strips (Model No. FRDG)

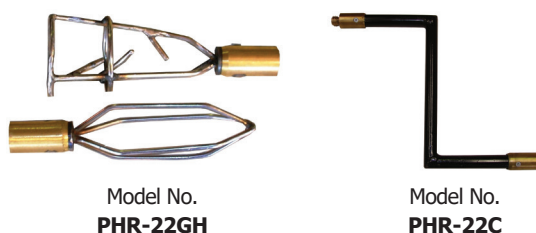
*Joiner Fixing Kit Supplied as standard with 9mm & 11mm Rodders.



POLYCARBONATE HAND RODS – Available 22mm Diameter x 3m Lengths



Model No.	Description
PHR-223M	22mmOD Polycarbonate Hand Rods, 3m L, 0.9kg each. Fitted with M&F Brass End Couplers
PHR-22C	Plastic Hand Crank Rod
PHR-22F	Hand Rod Female Fitting
PHR-22FE	Female End with Eye
PHR-22M	Hand Rod Male Fitting
PHR-22ME	Male End with Eye
PHR-22FL	Bullet Leader Male
PHR-22ML	Bullet Leader Male
PHR-22GH	Grappling Hook Male Ends



All Accessories available as with the Fibreglass Rodders.

Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM RAMPS Model No. DRR-1000

- Lightweight and transportable
- Folds flat for storage and transport
- Suits a wide range of Cable Drums 450-1,700mm in diameter
- Used in Industrial situation on flat ground
- Includes a safety bar, to stop the drum rolling off

Model No.	Description	Min/Max Drum Diameter (mm)	WLL (kg)	Weight (kg)
DRR-1000	CABLE DRUM RAMP	450/1700	1000	28 pair

Dimensions (mm)	1350 x 210 x 250 (LxWxH)
Folded Dimensions (mm)	750 x 210 x 250 (LxWxH)



DRR-1000 Shown Folded

CABLE DRUM TROLLEY Model No. CDT-500

- Lightweight and transportable
- Folds flat for storage and transport
- Four Mounting Positions Suits a range of cable drums
- Used in Industrial situation with powder coated finish
- Includes two pneumatic wheels and one solid plastic wheel with brake
- Axle and four retaining collars

Model No.*	Description	Usable Axle Length (mm)	Axle Diameter (mm)	Drum Diameter (mm)		WLL (kg)	Weight (kg)
				Min	Max		
CDT-500	CABLE DRUM TROLLEY	900	50	750 Lowest Position	1500 Highest Position	250	42

Dimensions (mm)	1745 x 1285 x 1000 (LxWxH)
Folded Dimensions (mm)	1340 x 1285 x 335 (LxWxH)



CDT-500 Folds Down for Storage & Transport



Optional winding handle model available with drum fixing arm

CABLE DRUM CADDY Model No. CDC-150

- Lightweight and transportable
- A combination of Rolled arches, self-lubricating Acetyl blocks and a cranking ratio of 7.9:1, aid with the lifting of cable drums
- Lifts drums up to 1200mm W x 950mm diameter
- Includes a Rubber/plastic wheel and two swivel wheels with brakes at the rear and 60mm Axle and two retaining collars

Model No.	Description	Max Drum Diam. (mm)	Max Drum Width (mm)	WLL kg	Weight Kg
CDC-150	CABLE DRUM CADDY	950	1200	150	40

Dimensions (mm)	1410 x 1300 x 855 (LxWxH)
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CDC-150

EASY ROLLER Model No. 52055384

- Robust yet lightweight design- zinc plated steel and spray coated
- Ramp with little down-grade for easy winding and unwinding
- Adjustment of castors to the diameter of cable drums
- Castor with integrated side guidance.
- Easy roller is already completely mounted (no mounting required)

Model No.	Description	Drum Diam. (mm)	Load (kg)	Weight (kg)
52055384	EASY ROLLER	200-700	250	11

Dimensions (mm)	605 x 710 x 95 (LxWxH)
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52055384

Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM LEVER Model No. DL-150

- Lightweight and transportable
- Cable Drum Frame utilises a leverage of approximately 6:1 to aid with the lifting
- Lifts drums up to 1500mm OD x 1000mm wide
- Includes a 50mm Axle and two retaining collars
- Ideal for factory or workshop environment

Model No.	Description	Dimensions (mm)	Max Drum Diameter mm	Max Drum Width mm	WLL Kg	Weight kg
DL-150	CABLE DRUM LEVER	1780 x 1260 x 830 (LxWxH)	1400	970	150	25



ROPE STAND Model No. CRS-290

- Lightweight and transportable
- Folds flat for storage and transport
- Useable axle length 800mm
- Used in Industrial situation with powder coated finish
- Includes zinc plated axle 33mm OD

Model No.	Description	Dimensions (mm)	Drum Width mm		Weight kg
			Min	Max	
CRS-290	CABLE REEL STAND	1780 x 1260 x 830 (LxWxH)	SMALL BUILDERS CABLE DRUMS*		5.8

*Maximum 700mm

Dimensions (mm)	900 x 531 x 400 (LxWxH)
Folded Dimensions (mm)	900 x 531 x 140 (LxWxH)



ROPE CADDY Model No. CRC-600

- Lightweight and transportable
- Suitable for Workshop & Worksite applications
- Axle 90mm OD
- Complete with drum seated on grease able bearings, crank handle and two pneumatic wheels for mobility over rugged terrain
- Frame is powder coated, barrel zinc plated finish
- Manufactured with mandrel bent pipe work for maximum strength

Model No.	Description	Max Drum Width mm	Weight kg
CRC-600	CABLE DRUM CADDY	500	30

Dimensions (mm)	800 x 930 x 1090 (LxWxH)
Capacity	2,100m of 6mm rope, 1,300m of 8mm rope, 550m of 12mm rope, 320m of 16mm rope



CRC-600

ROPE STAND Model No. RS-2419

- Axle 50mm OD
- Simple but very rigid stand to suit drums of rope or cabling. C/W washer and snap lock pin to retain drums. Black powder coated finish

Model No.	Description	Dimensions (mm)	Max Drum Width mm	Max Drum OD mm	Weight kg
RS-2419	ROPE STAND	590 x 500 x 366 (LxWxH)	480	600	11.8

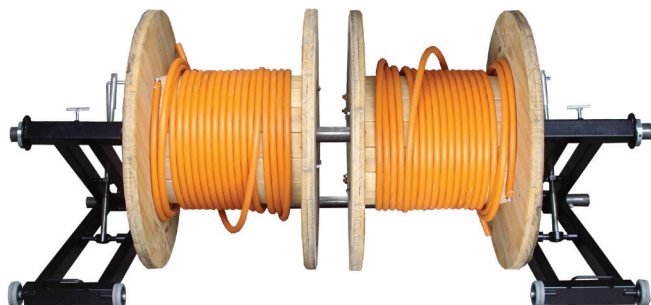
**RS-2419
60Kg WLL**



CABLE DRUM HANDLING – SCISSOR LIFT STANDS

Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM SCISSOR LIFT MODEL No. SLS Series



SLS1-2T Shown with cable drums mounted

- Manoeuvrable and transportable
- Designed for rugged use
- Well suited for uneven ground as the individual lifting screws can be adjusted separately
- Sealed directional bearings (insert) aid the ease of lifting and lowering of cable drums
- Two stands with wheels for transportation, and placement collars to retain drums and a ground joining bar for rigidity during operation
- Stamped and registered load bearing axle
- Winding via spin handle
- Includes Operating Instructions, WLL labelling and Compliance Certificate

Model No.	Description	Kit Contents	Drum Dia mm Max	Useable Drum Axle Length (mm)	Drum Axle Dimensions [Diam x Length] (mm)	Joining Bar Dimensions (mm)	WLL Kg	OAL (mm)	Width (mm)	Max Angle (°)	Max Height (mm)
SLS0.5T	SCISSOR LIFT DRUM SET	2 x Complete Stands with Rubber Wheels	1200	1000	50 x 1500 (DA15-50)	Not Supplied	500	1000	200	55	670
SLS1-2T		1 x Stamped & Registered Drum Axle	1600	1700	60 x 2300 (DA23-60)	60 x 2300 (DA23-60J)	2000	1380	400	55	925
SLS3-4T		1 x Ground Joining Bar (SLS1-2 & SLS3-4 Only) 2 x Retaining Collars	2600	2000	90 x 2300 (DA23-90)	90 x 2300 (DA23-90J)	4000	1780	400	60	1330



SLS0.5T shown with rope drum



SLS0.5T shown locked together for storage



Shipping Dimensions, both kits contain a Carton on Pallet & Skid with Axle.

Model No.	Dimensions (mm)		Weight (kg)	
	Carton on Pallet	Skid with Axles	Carton on Pallet	Skid with Axles
SLS0.5T	1000 x 200 x 150	2300 x 150 x 120	38	30
SLS1-2T	1400 x 710 x 370	2500 x 180 x 150	90	40
SLS3-4T	1850 x 500 x 550	2500 x 200 x 180	120	50

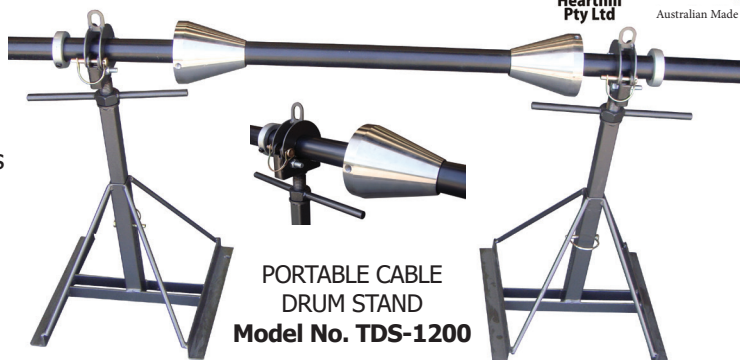
Cones & Collars available to suit:

Model No.	Axle OD	Cones Model	Collars Model
SLS1-2T	60	DAC-060	DSC-060
SLS3-4T	92	DAC-090	DSC-090



TELESCOPIC PORTABLE DRUM STAND

- Lightweight and transportable
- Disassemble for storage and transport
- Suits a wide range of Cable Drums
- Used in Industrial situation on flat ground
- 2 x side frames complete with roller assemblies and safety latch to encapsulate the drum axle
- Telescoping arm for pre-setting height and a screw thread to lift the cable drum
- 10 positioning holes and easy wind height adjustment
- Includes Axle, cones and two retaining collars

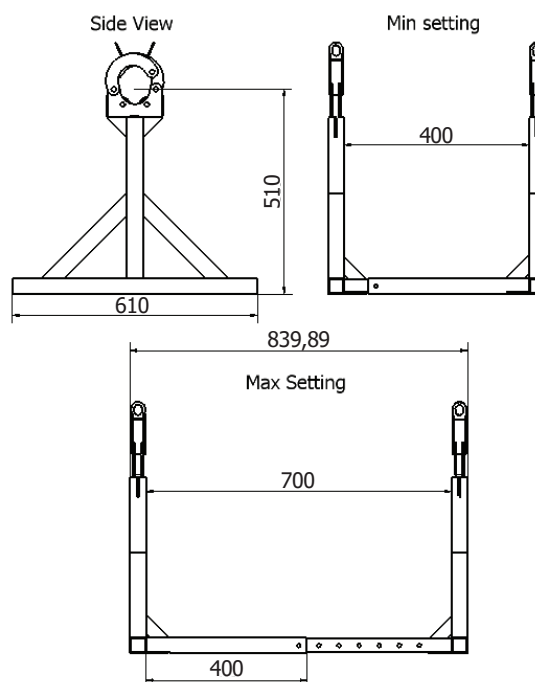


PORTABLE CABLE DRUM STAND
Model No. TDS-1200

Model No.	Description	Drum mm		Min Height (mm)	Max Height (mm)	Included Axle (mm) OD x Length	Usable Axle Length (mm)	WLL kg	Weight Kg
		Min Diameter	Max Diameter						
TDS-1200	TELESCOPIC DRUM STAND	1100	1500	550	750	50 x 1600	1250	1200	8.9 (each stand) / 7.7 Axle 25.5 (complete)

Complete Dimensions (mm)	400 x 1600 x 850 (LxWxH)
Individual Stand Dimensions (mm)	420 x 400 x 640 (LxWxH)

MODEL No. SCDS-800 SERVICE CABLE DRUM STAND



Drum stand for service cable reels. 2 cones and 2 collars included. Extendable length to accommodate wider drum sizes. Comes certified and can be custom made to suit various drum sizes. Chain and gearing is encased.

Model No.	WLL (kg)	Included Axle OD (mm)	Min/Max Drum Width with Collars Fitted (mm)	Max Drum Diameter (mm)	Width (mm)	Height Overall (mm)	Wt (kg)
SCDS-800	1500	50	400/700	900	610	630	25

AXLE INCLUDED

Axle Description	Length (m)	Diameter (mm)	WLL (Tonnes)
Pipe	0.9	50	1.5

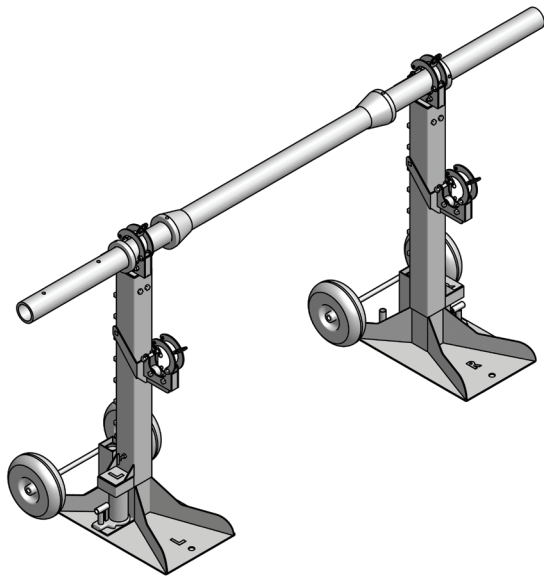
8T HYDRAULIC DRUM JACK STAND MODEL No. DJS-58T

- Durable and sturdy and ready for tough jobs (quality Japanese hydraulic bottle jacks)
- Manoeuvrable and transportable
- Rated plates marked with 8,000kg and supplied with test report
- Supplied standard with 90mm axle (DA28-90HB) 2 cones & 2 collars for securing the drum, special size axles available upon request (refer below)
- Supplied with two jack extensions which gives users an additional 250mm of lift
- Two frontal roller assemblies which slides in 10 x 100mm positions for smaller drums

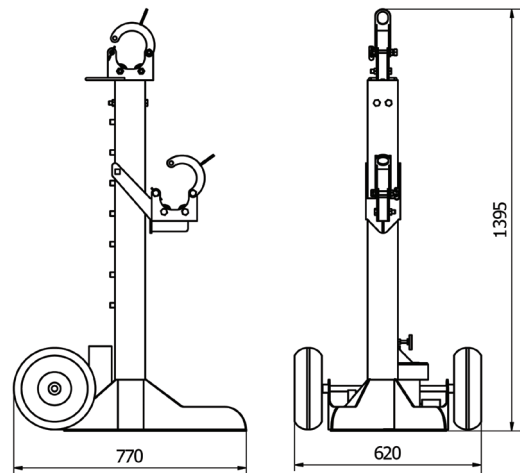
Model No.	Description	Drum Dia mm Max	Drum Width (mm)	WLL Kg
DJSC-58T	HYDRAULIC DRUM JACK STAND WITH BRAKE & FIXING ARM (SEE BELOW)	3300	1800	8000
DJS-58T	HYDRAULIC DRUM JACK STAND	3300	1800	8000

OPTIONAL ACCESSORIES

Model No.	Description	Suits
DB-900	DISC BRAKE (Supplied with below DFA-90)	90mm AXLE DA28-90HB
DFA-90	DRUM FIXING ARM	90mm AXLE DA28-90HB



Max drum size of 3.3m and a transverse of 2m up to 2.4m, with a max of 90mm hollow drum shaft.



BOXED CONTENTS

Qty	Description
2	Bases, Left and Right
2	Upright Middle Arms
2	Front Adjustable Roller Supports
2	Top Roller Supports
2	Bottle Jacks with Handles
2	Wheel Axle with split pins and washers
4	Pneumatic wheel 127mm OD
2	Drum Centering Cones
2	250mm Extension blocks
2	Axle Retaining Collars
1	Instruction sheet
1	Certificate

TRANSPORT DIMENSIONS

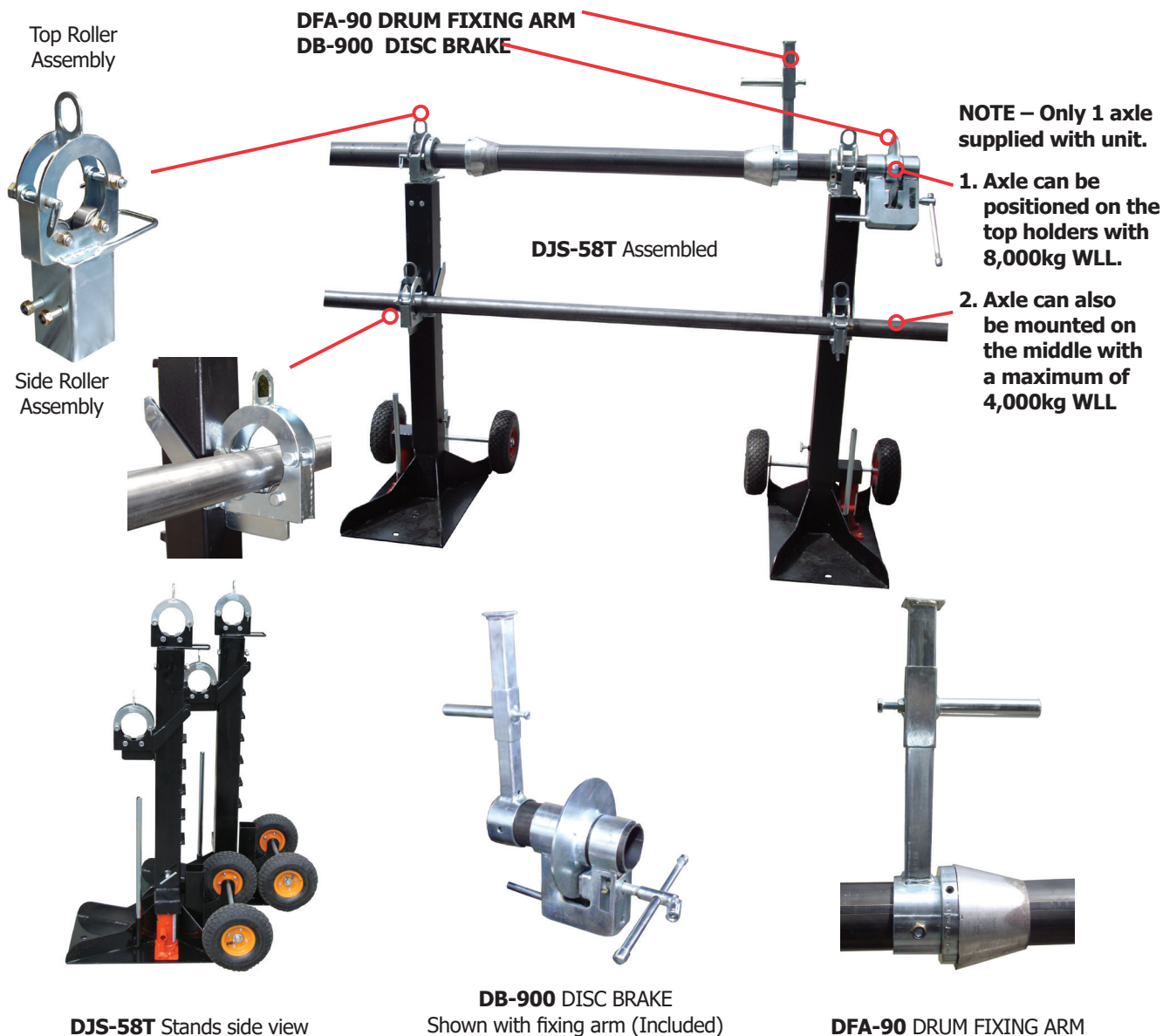
Item	Dimension (cm)	Wt (kg)
Box	110 x 75 x 65	140
Axle	280 x 15 (OD)	56

SPARE PARTS

Model No.	Description
DB200	Spacer – Fits under bottle jack to extend height
MH-7	Bottle Jack - Replacement

8T HYDRAULIC DRUM JACK STAND MODEL No. DJS-58T (CONTINUED)

ACCESSORIES & ALTERNATE AXLES



OPTIONAL AXLE SPECIFICATIONS

Axle Model No.	Drum Axle Cones Model No.	DAC Suits Centre Holes Up to (mm)	Shaft Collars Model No.	Drum Fixing Arm & Brake Model No.	Type	Length (m)	OD (mm)	WLL (Tonne)
DA15-50	N/A	N/A	DCS-050	N/A	Pipe	1.5	50	0.5
DA25-60	DAC-060	105	DSC-060	N/A	Pipe	2.5	60	2
DA25-90	DAC-090	135	DSC-090	N/A	Pipe	2.5	89	4
DA28-40S	DAC-040	105	DSC-040	DB-400	Solid	2.8	40	5
DA28-66HB	DAC-066	105	DSC-066	DB-660	Pipe	2.8	66	8
DA28-70HB	DAC-070	105	DSC-070	DB-700	Pipe	2.8	72	8
DA28-90HB*	DAC-090	135	DSC-090	DB-900	Pipe	2.8	92	8
DA28-90XH	DAC-090	135	DSC-090	DB-900	Pipe	2.8	92	12
DA33-100XH	DAC-100	135	DSC-100	DB-100	Pipe	3.3	100	16

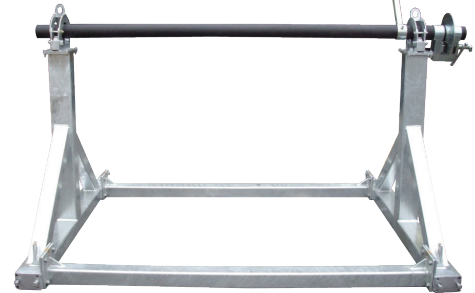
* DA28-90HB axle is included with purchase of DJS-58T package.

CABLE DRUM HANDLING – "A" FRAME STANDS



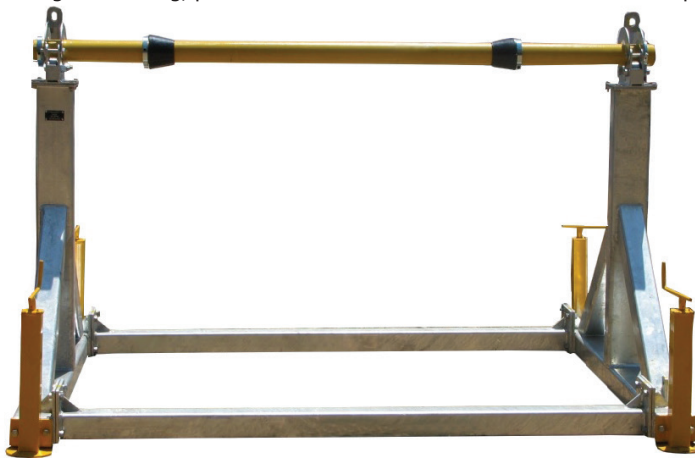
"A" FRAME CABLE DRUM STANDS – SERIES

- Coated frame, built for rugged conditions
- Supplied with Axle, Cones & Collars (ground levellers on 6 & 12T)
- Base plates have holes drilled for M12 dynabolts
- Provisions for disc brake are standard, but brake and fixing arm sold separately
- Includes Operating Instructions, WLL labelling and compliance certificate (Refers to test report)



Model No.	Description	Drum Diameter (mm)		Usable Axle Length (mm)	Axle OD x L (mm)	WLL (kg)	C/W Levelling Screws	C/W Extension Arm
		Max Drum ø	Max Drum Width					
DSF-2016-6T	Cable Drum A-Frame Stand	2000	1600	1700	66 x 2800	6000	✓	
DSF-2420-12T		2400	2000	2000	90 x 2800	12000	✓	
DSF-3624-16T*		3600	2400	2500	100 x 3300	16000		✓
6T	Disc brake for 66mm axle	Provisions for 1 x DB-660 on drum axle					Complete with fixing arm	
12T	Disc brake for 90mm axle	Provisions for 1 x DB-900 on drum axle						
16T	Disc brake for 100mm axle	Provisions for 2 x DB-1000 on drum axle						

* Outrig for securing, provisions for 2 disc brakes but brake & arm sold separately



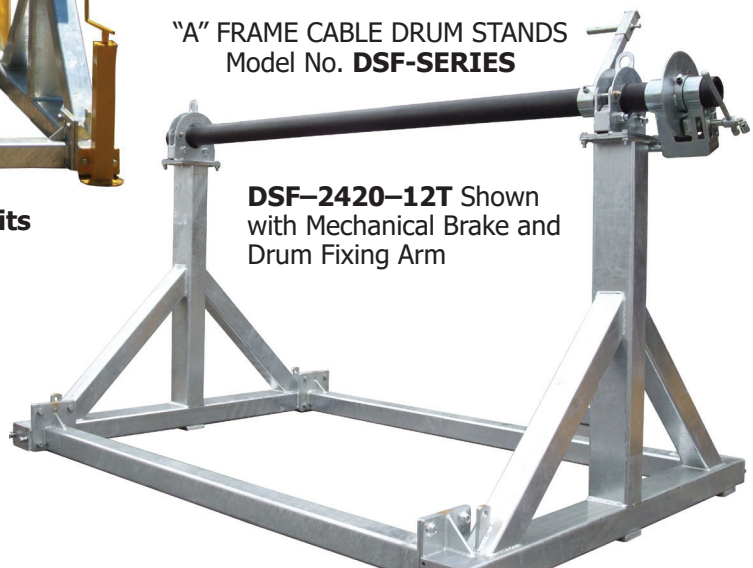
Levellers as supplied with 6-12T units

Size (Tonne)	Overall Dimensions (LxWxH) cm	Approx Weight ¹ (kg)
6	214x179x133	150
12	254x189x140	250
16	330x264x210	500

¹ Not including axle

"A" FRAME CABLE DRUM STANDS Model No. **DSF-SERIES**

DSF-2420-12T Shown with Mechanical Brake and Drum Fixing Arm



NB. The Drum Spindle test procedure applied a force within 100mm of the uprights. The further from the drum angle that the uprights are placed will reduce the WLL. Hearthill takes no responsibility should damage occur under these circumstances.

Model No.	Axle Model No.	Drum Axle Cones Model No.	Shaft Collars Model No.	Drum Fixing Arm & Brake Model No.	Type	Length (m)	OD (mm)	WLL (Tonne)
DSF-2016-6T	DA28-66HB	DAC-066	DSC-066	DB-660	Pipe	2.8	66	8
DSF-2420-12T	DA28-90XH	DAC-090	DSC-090	DB-900	Pipe	2.8	92	12
DSF-3624-16T	DA33-100XH	DAC-100	DSC-100	DB-100	Pipe	3.3	100	16

CABLE DRUM TRAILERS

Australian made galvanised frame single drum cable trailers.

All trailers made in accordance with Australian National Code of Practice - Vehicle Standards Bulletin 1 - Building Small Trailers - Revision 5 June 2009.



STANDARD INCLUSIONS FOR ALL TRAILERS

- 16" rims and HD tyres
- VIN Number Supplied
- Mechanical Hand brake
- Sealed Bearing Roller Supports
- Ø66mm Drum Spindle with cones and collars to suit
- Jockey Wheel
- All necessary driving lights
- 7 Pin Flat connector
- Rear Stabilising Jacks (2)
- Safety Stickers and operations manual
- Galvanised Steel Chassis



HYDRAULIC - INCLUSIONS FOR SDTH TRAILERS

- Hydraulics for loading and unloading of cable drum
- Electric start motor to power Hydraulic Lifting System
- Electric break-away brake system
- Front and rear stabilising jacks
- Anderson plug charging trailer battery

PLEASE ADVISE THE FOLLOWING WHEN MAKING AN ENQUIRY

1. What is the Max Cable drum weight to be transported?
2. What is the Max Cable drum Diameter?
3. What is the Max Cable drum Width?
4. Is the requirement for a Standard Trailer or for a Trailer with Hydraulic Loading/Unloading capacity?
 - a) If hydraulics is required, is Petrol or Diesel motor preferred?
 - b) How often will loading and unloading of the cable drum be required?

CABLE PUSHER / CABLE FEEDER (MADE IN USA)

The Greenlee Ultra Cable Feeder is intended to pull cable off of reels to allow feeding the cable into conduit or cable tray. The Ultra Cable Feeder is not intended to pull cable or rope through conduit.

FEATURES

- Feeds cable at variable speeds to match the speed of cable puller
- Accommodates cable ranging in size up to 90mm in diameter
- Now with new tires for improved traction with low friction cables
- Sets up easily and can be operated by just one person
- Dual motors drive each wheel for traction on both sides of the cable
- Comes with pendant and toggle switch. An optional foot switch is available to control feeding
- Two cable loading methods: top-loading and end-loading
- Patented

SPECIFICATIONS

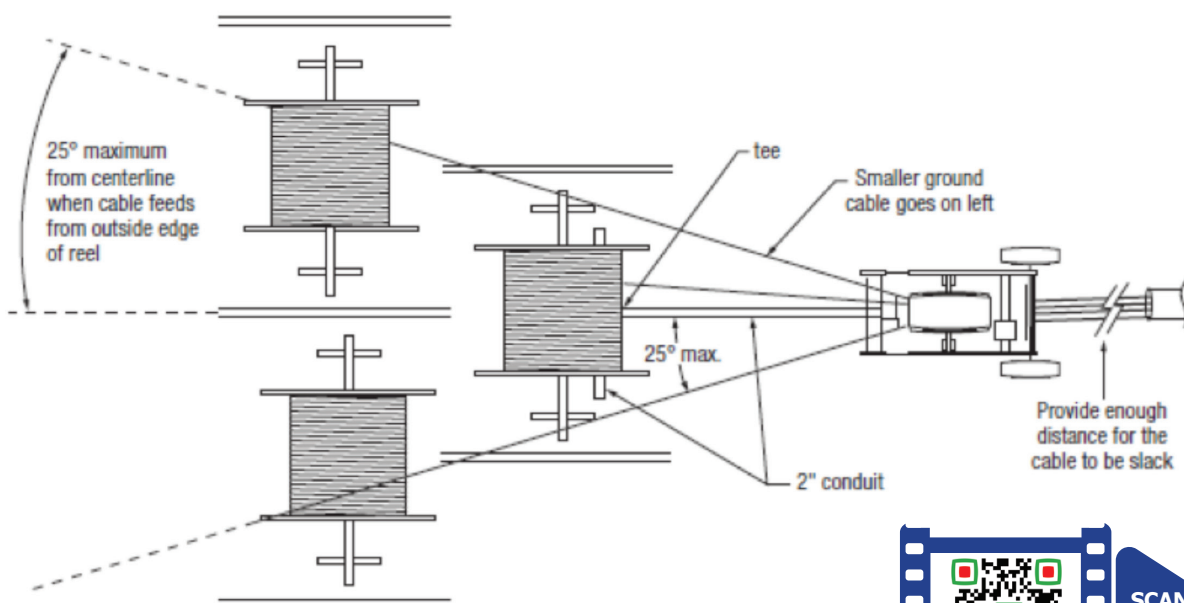
Model No.	12293
Reel Weight Capacity (kg)	11,300
Power Supply (VAC)	230
Size (mm)	1040 x 699 x 953
Weight (kg)	130

ACCESSORIES

Foot switch available

Model No.	24821
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EXAMPLE OF APPLICATION



PORTABLE CAPSTAN WINCH - OVERVIEW



Model No.	Specifications	Model No.	Specifications
 PCW3000	Max Pull* (kg): 700 Max. Pulling Speed* (m/min): 10 Weight (kg): 9.5 Petrol Powered	 PCH1000	Max Pull* (kg): 775 Rated Lift Capacity* (kg): 250 Max. Pulling Speed* (m/min): 12 Weight (kg): 19 Petrol Powered
 PCW-3000-Li-AIK**	Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 1 Speed: 8.1 2 Speed: 10 3 Speed: 11.6 Voltage: Battery: 82V 4AH Weight (kg): 9.5 Battery Powered	 PCH2000	Max Pull* (kg): 1150 Rated Lift Capacity* (kg): 450 Max. Pulling Speed* (m/min): 20 Weight (kg): 34.5 Petrol Powered
 PCW5000	Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 12 Weight (kg): 16 Petrol Powered	 PCT1800-50HZ-P-230V	Max Pull* (kg): 1000 Rated Lift Capacity* (kg): 250 Max. Pulling Speed* (m/min): 4.8 Voltage: 230/50 VAC / Hz Weight (kg): 16 Electric Powered
 PCW5000-HS	Max Pull* (kg): 500 Max. Pulling Speed* (m/min): 24 Weight (kg): 16 Petrol Powered	 PCW4000	Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 13.4 Weight (kg): 12 Petrol Powered Special Features: - Fitted with 360° tilting engine - Fitted with quick release automatic anti-roll back device

*Ratings based on use with standard size drum.

**See page 129 for full kit option - PCW-3000-Li-AIK(B)

UNDERGROUND PULLING

www.specialisedforce.com.au



PORTABLE CAPSTAN WINCH PCW4000

Petrol Powered pulling winch with quick release automatic anti roll-back device.

Engine	All Positions, 4-Stroke, Honda GX50
Gearbox	Aluminum alloy gearbox. Heat-treated 3-stage helical and spur gears. Shaft mounted on ball bearings. Oil bath lubrication
Gear Ratio	200:1
Clutch	Type: Centrifugal Operate With: Quick release automatic anti-roll-back device
Brake	Anti-reversing roller clutch bearing
Dimesions (overall)	42 cm x 30 cm x 28.5 cm
Drum	Ø 76 mm
Rope Recommended	Double braided polyester with low stretch PORTABLE WINCH CO. Length: Unlimited Min Diameter: 10 mm Max. Diameter: 12 mm
Included	Polyester sling 2 metres
Weight	12 kg
Power	1.4 kW



POWERED by
HONDA™

UNDERGROUND PULLING

www.specialisedforce.com.au

PERFECT CONTROL WITH THE ANTI ROLLBACK MECHANISM

After nearly two years of work, Portable Winch Co. pulls off another master stroke in offering a winch that, while staying true to its predecessors by its power, its light weight and its reliability, stands out with a new feature that provides perfect control over the movement of a load : the quick release automatic anti rollback mechanism, also know as the ARM.

Also, since the PCW4000 is equipped with the Honda GX50 engine, a centrifugal clutch, a rope retention system and 1,000 kg of power in direct line, it becomes a formidable competitor on the market!










PORTABLE CAPSTAN WINCH – SPECIFICATIONS

* Battery: Briggs & Stratton 82V 4AH (See Page 128 for Battery & Charger)

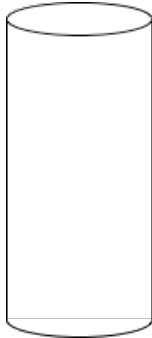

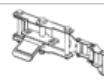
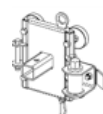










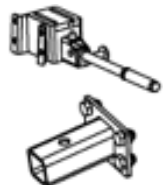




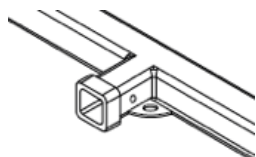







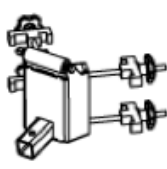







Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE

					
Model No.	PCW4000	PCW3000	PCW-3000-Li-AIK	PCW5000	PCW5000-HS
Designed for Pulling	Yes				
Designed for Lifting	No				
Engine/Motor & Gear Box					
Engine/Motor	All positions, 4-Stroke, Honda GX50	Honda 4-stroke GX-35 cc (All Positions)	1.0kW Electric Engine*	Honda 4-stroke GXH-50 cc	
Gear Box and Gears	Aluminium alloy gear box. Heat treated 3 stag spur gears. Shafts mounted on ball bearings. Oil bath lubrication.				
Gear Ratio	200:1			110:1	53:1
Brake	Anti-reversing roller clutch bearing	Anti-reversing needle bearing			
Clutch	Centrifugal	No clutch – Direct Drive			
Drum turns with Engine Idling	Yes				
Work Cycle	Continuous		Battery Life: 70 min Approx.	Continuous	
Capstan Drums					
Installed	76mm			57mm	85mm
Optional	–			85mm	57mm
Performance					
Max. Pulling Force					
57mm Drum	–		–	1000 kg	500 kg
85mm Drum	–		–	700 kg	350 kg
76mm Drum	700 kg		1000 kg	–	–
Rated Lifting capacity					
57mm Drum	Not designed for lifting				
85mm Drum					
Max. Pulling Speed					
57mm Drum	–		–	12m/min	24m/min
85mm Drum	–		–	18m/min	36m/min
76mm Drum	10m/min		11.6m/min	–	–
Rope					
Rope Grabbing System	Yes	No			
Type	Low stretch double braided polyester – unlimited length – Eye splice and thimble mandatory for lifting applications				
Recommended Diameter	10mm			12mm	
Minimum Diameter	10mm				
Maximum Diameter	12mm				
Weight & Dimensions					
Weight (Dry)	12 kg	9.5 kg		16 kg	
Length	42	28.9cm	31.8cm	36.2cm	
Width	30	35cm	30.2cm	37.1cm	
Height	28.5	26.1cm	31cm	36.1cm	
Other					
Certification		CE			
Classification (ISO) Lifting	–				
Anchor					
Included	Polyester sling 60mm x 2m (PCA-1260)				
Optional	Full line of accessories				
Warranty					
Private Use	5 years				
Commercial Use	1 year				

PORTABLE CAPSTAN WINCH – ACCESSORIES REFERENCE CHART



PORTABLE CAPSTAN WINCH – ACCESSORIES

ANCHORING ACCESSORIES REFERENCE CHART				USE		WINCH MODELS						
ANCHOR POINTS		ANCHOR ACCESSORIES		PULLING	LIFTING	PCW3000 PCW-3000-LI-AIK	PCW5000	PCW5000-HS	PCH1000	PCH2000	PCT1800	
	Cylindrical (tree, pole, post, etc.)	PCA-1258, PCA-1259 or PCA-1260			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
		PCA-1269			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-1268		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
+ PCA-1332 + PCA-2264			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>			
		PCA-1263	+ PCA-1332 + PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
 Vehicle	With tow ball  50mm diameter	48mm to 59mm diameter 		PCA-1261		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
				PCA-1261		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-1268		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			+ PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
			PCA-1266	+ PCA-1332 + PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
	 Hitch for square tube of 50.8mm (2") opening			PCA-1267 or PCA-1501		+ PCA-1268		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
						+ PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
						+ PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
						+ PCA-1332 + PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
				+ PCA-1332 + PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>		
 Pylon (with 90° "V" shaped legs)			PCA-1806		+ PCA-1268		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
					+ PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
					+ PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
					+ PCA-1332 + PCA-2264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
					+ PCA-1332 + PCA-1264		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
 Floor			PCA-1805		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	



PORTABLE CAPSTAN WINCH – DOUBLE BRAIDED POLYESTER ROPES

				
PCA-1203M2ESC	PCA-1213M2ESC	PCA-1214M2ESC	PCA-1216M2ESC	PCA-1218M2ESC

Model No.	Rope OD (mm)	Length (m)	Minimum Breaking Strength (UTS) (kg)	Roll Dimensions (L x W x H) (cm)	Weight (kg)
PCA-1203M2ESC	10	100	2200	20 x 20 x 28.5	7
PCA-1213M2ESC	12	100	3300	50 x 50 x 20	11
PCA-1214M2ESC	12	150	3300	50 x 50 x 30	18
PCA-1216M2ESC	12	200	3300	50 x 50 x 35	22
PCA-1218M2ESC	12	300	3300	50 x 50 x 50	33

NOTE: All ropes include soft eye splices on each end. UTS = Ultimate Tensile Strength. Suggested safety factors (check local standards or guidelines): Pulling 3:1 / Lifting 5:1.

CASES AND ROPE BAGS

					
PCA-0100	PCA-0102	PCA-0104	PCA-1630	PCA-0340	PCA-0350

Model No.	Description	Material	Length (cm)	Width (cm)	Height (cm)	Weight (kg)
PCA-0100	Purpose built transport case with moulded locations for the winch and accessories. Suits Models PCW5000 & PCW5000-HS.	High-Impact Plastic	64	55	38	6.65
PCA-0102	Purpose built transport case with moulded locations for the PCW3000. Fits moulded Backpack PCA-0104.	High-Impact Plastic	47	33	31	3.9
PCA-0104	Moulded Backpack for Transport Case PCA-0102 and Rope Bag PCA-0103 or XXL Extra Large Transport Bag PCA-0105	Polymer	52	46	10	1.4
PCA-1630	Waterproof and airtight case with removable casters and folding top handle for PCT1800 or PCH2000 winches and accessories.	Polymer	79	63	44	15.7
PCA-0340	Waterproof and airtight case with casters and retractable top handle for PCW5000, PCW5000-HS & PCH1000 winches and accessories.	Polymer	58	58	56	14.8
PCA-0350	Waterproof and airtight case with folding side handles ideal for PCT1800-50HZ-P-230V and also suitable for PCW-5000, PCW-5000-HS & PCH-1000 winches and accessories.	Polymer	59	56	44	11.3

			
PCA-0103	PCA-1255	PCA-1256	PCA-1257XL

Model No.	Feature	Material	Diameter (cm)	Height (cm)	Weight (kg)
PCA-0103	Rope Bag - For Backpack PCA-0104. Will store 50 metres of 10 mm rope.	Resistant Vinyl	N/A	36	0.4
PCA-1255	Rope Bag – Small - Two handles. Will store either 50 metres of 12 mm rope or 100 metres of 10 mm rope.	Durable Nylon	28	36	0.5
PCA-1256	Rope Bag – Medium - Will store either 100 metres of 12 mm rope or 200 metres of 10 mm rope.	Durable Nylon	30	64	0.9
PCA-1257XL	Rope Bag – Extra Large - Will store either 200 metres of 12 mm rope or 400 metres of 10 mm rope.	Durable Nylon with Hard Bottom	37	60	1.1

PORTABLE CAPSTAN WINCH – PULLEYS & SPARE PARTS



PORTABLE CAPSTAN WINCH – PULLEYS



PCA-1270
Open face corner block



PCA-1271
Self-Blocking Pulley



PCA-1272
Double Self-Blocking Pulley



PCA-1273
Double Swing Side Pulley



PCA-1274
Single Swing Side Pulley



PCA-1275
Single Swing Side Pulley



PCA-1292
Single Swing Side Pulley

Model No.	Feature	Material	WLL (kg)	Sheave Diam. (mm)	Length (cm)	Width (cm)	Height (cm)	Weight (kg)	Rope (mm) Min / Max	Cert.	Min Break Strength (kg)
PCA-1270	-	Steel	N/A	100	25	10	5.8	2.4	6 / 12	-	N/A
PCA-1271	Brake cam system allows the rope to go through freely in one direction and blocks it in the other direction.	Aluminium	N/A	62	23	10.5	8	0.7	10 / 12	CE	4079
PCA-1272	Two sheaves and a brake cam system - allow the rope to go through freely in one direction and block it in the other direction.		N/A	62	22	8.5	6.5	0.9	10 / 12	CE	4079
PCA-1273	Two lightweight 100 mm diameter deep groove aluminium sheaves.	Sides: Stainless steel.	4486	100	23	10.5	8	1.85	10 / 12	-	13775
PCA-1274	-	Sheave: Aluminium	2243	100	19.6	10.5	5.3	1.1	10 / 12	-	9185
PCA-1275	-	Aluminium	1632	76	15	8	3	0.6	10	-	6125
PCA-1292	-	Aluminium	N/A	63	13	9	4	0.3	6 / 12	CE	6000

SPARE PARTS



PCA-1110
Capstan Drum 57mm



PCA-1100
Capstan Drum 85mm



PCA-1120
Capstan Drum 76mm



PCA-1130
Capstan Drum 108mm



PCA-1151, PCA-1152
Spark Arrestor




10-0044
Reversible Safety Lip

Model No.	Feature	Material	Diam. / Hole Diam. (mm)	Weight (kg)
PCA-1100	C/W rope guide and screws.	Aluminium	85 / 25.4	0.75
PCA-1110			57 / 25.4	0.35
PCA-1120			76 / 24.8	0.55
PCA-1130			108 / 24.8	0.75
PCA-1151	For Honda GXH-50 engine.	Aluminium	22 Ø	0.085
PCA-1152	For Gx160 engine		22 Ø	0.12
10-0044	For 57 mm and 85 mm drums. Prevents rope from jumping out of drum on all lifting winches: PCH1000, PCH2000 & PCT1800.		125	0.180



PORTABLE CAPSTAN WINCH – ACCESSORIES

				
PCA-1258 Multi-Purpose Sling	PCA-1259 Multi-Purpose Sling	PCA-1260 Multi-Purpose Sling	PCA-1261 Winch Anchor Plate	PCA-1263 Winch Anchor System
				
PCA-1264 Winch Support	PCA-1265 Adapter for Heck-Pack Anchoring System	PCA-1266 Heck-Pack Anchoring System	PCA-1267 Square Tube with Bent Hitch Pin	PCA-1268 Winch Support Plate with Bent Hitch Pin
				
PCA-1269 Winch Anchor System	PCA-1332 Pivoting Anchor	PCA-1501 Square Tube with Bent Hitch Pin	PCA-1805 Floor Mount Winch Anchor	PCA-1806 Pylon Mount Winch Anchor

Model No.	Description	Material	Length (cm)	Width (cm)	Weight (kg)	WLL (kg)
PCA-1258	60 mm x 3 metres (2-3/8" x 118-1/8").	Polyester	300	6	1.24	2000
PCA-1259	60 mm x 2.5 metres (2-3/8" x 98-7/16")	Polyester	250	6	1	2000
PCA-1260	60 mm x 2 metres (2-3/8" x 78-3/4")	Polyester	200	6	0.92	2000
PCA-1261	For towing balls up to 58.7 mm (2-5/16") diameter.	Zinc plated steel	20	15	0.7	
PCA-1263	For trees and poles with 3 m (10') strap. Use with PCA-1264 or PCA-1268.	Powder Coated Steel	37	26	7.2	-
PCA-1264	With adjustable shelf and swivel pulley for vertical or horizontal pulling. Installs on PCA-1263, PCA-1265, PCA-1267, PCA-1501, and PCA-1806. If used for horizontal pulling, the pivoting anchor (PCA-1332) is necessary (sold separately).	Powder Coated Steel	55	41	10.6	-
PCA-1265	Bolts on PCA-1266. Use with PCA-1264 or PCA-1268.	Zinc Plated Steel	14	16	1.45	-
PCA-1266	For 50 mm towing balls.	Powder coated steel	46	16	3.05	-
PCA-1267	-	Zinc plated steel	30.5	5.08	2.1	-
PCA-1268	Installs on PCA-1263, PCA-1265, PCA-1267 or PCA-1501.	Zinc Plated Steel	45	29	4.5	-
PCA-1269	For trees and poles with 3 m (10') strap.	Zinc Plated Steel	26	24	4	-
PCA-1332	For the vertical pull support (PCA-1264). Link between PCA-1264 and PCA-1263 or PCA-1806 or PCA-1265 or PCA-1267 or PCA-1501.	Zinc Plated Steel	24	16	3.3	-
PCA-1501	Square tube 50.8 mm x 45.7 cm with bent hitch pin.	Zinc plated steel	45.7	50.8	3.3	-
PCA-1805	Ideal for pulling wire through conduits.	Zinc Plated Steel	51	26	9.4	-
PCA-1806	For pylons angle iron. Use with Winch support plate PCA-1268 or Winch support for vertical pulling PCA-1264.	Powder Coated Steel	32	28	7.7	-

PORTABLE CAPSTAN WINCH – PULLEYS & SPARE PARTS



PORTABLE CAPSTAN WINCH – ACCESSORIES

OTHER ACCESSORIES

						
1760427 Briggs & Stratton 82V 4Ah Li Battery	1760428 Briggs & Stratton 230V Charger	PCA-1290 Skidding Cone for Logs	PCA-1291 Automatic Release for Open Face Corner Blocks	PCA-1295 Choker Chain with C-Hook & Steel Pin	PCA-1310 Pulling Plate for Vehicles	PCA-1372 HPPE Rope Choker with Steel Pin

Model No.	Feature	Material	Length	Diameter	Width	Height	Weight	Minimum Breaking Strength (UTS)
1760427	60min Charge Time	High-resistance polymer plastic	21.5cm	-	12cm	8.5cm	2.6kg	-
1760428	Charges 2Ah & 4Ah Batteries	High-resistance polymer plastic	21cm	-	18.5cm	10.5cm	1.5kg	-
PCA-1290	50cm Opening	High-resistance polymer plastic	62cm	50.8cm	68cm	52cm	6.6	-
PCA-1291	Fits ropes up to 13 mm diameter.	Anodised Steel	17cm	-	11cm	11cm	0.405kg	-
PCA-1295	-	Anodised Steel	27cm	6.35mm	14cm	14cm	2.9kg	-
PCA-1310	Fits towing balls up to 50.8 mm (2") diameter.	Anodised Steel	27cm	4.2cm (Knob)	14cm	14cm	1.7kg	-
PCA-1372	Made of 10 mm diameter HPPE rope	High Performance Polyethylene	2.1m	6mm	-	-	0.55kg	7036kg

					
PCA-1276 Steel Locking Carabiner	PCA-1281 Safety Hook	PCA-1282 Locking Grab Hook	PCA-1299 C-Hook for Chain	PCA-1701 Steel Locking Carabiner	PCA-1702 Steel Locking Carabiner

Model No.	Description	Material	Minimum Breaking Strength (UTS)	Diam.	Length	Width	Height	Weight	Cert.	Gate Opening
PCA-1276	With screw gate lock.	Zinc plated with anodized aluminium	2550kg	10mm	17cm	11cm	-	0.16kg	CE	16mm
PCA-1281	Equipped with a spring-loaded safety gate.	Powder coated steel	5700kg	-	17cm	11cm	11cm	0.33kg	-	-
PCA-1282	With latch and 3 chain links. Will accept either 6 mm (1/4") or 7.9 mm (5/16") chain.	Zinc plated steel	-	6mm	17cm	11cm	11cm	0.63kg	-	7.9mm
PCA-1299	Convert an existing chain to an efficient choker chain with this C-Hook	Powder coated steel	5700kg	-	10cm	7.5cm	1.5cm	0.34kg	-	-
PCA-1701	Multi-purpose high-quality zinc plated with anodized aluminium steel locking carabiner with screw gate lock.	Zinc plated with anodized aluminium	7140kg	12.5mm	17cm	11cm	-	0.35kg	CE	25mm
PCA-1702	Multi-purpose high-quality zinc plated with anodized aluminium steel locking carabiner with screw gate lock.	Zinc plated with anodized aluminium	5100kg	12mm	17cm	11cm	-	0.315kg	CE	19mm



PORTABLE CAPSTAN WINCH – KITS

PCW-3000-LI-AIK(B) BATTERY WINCH KIT



INCLUDES

- 1 x PCW-3000-Li-AIK Portable Winch
- 1 x Briggs & Stratton 82V-42Ah Li Battery & 230V Rapid Charger
- 1 x Carry Bag
- 1 x Stainless Steel Pulley Block
- 2 x Carabiners
- 2 x Slings
- 50m x 10mm Double Braided Rope

PCW-3000HK PETROL WINCH KIT



INCLUDES

- 1 x PCW3000 Portable Winch
- 1 x Transport Case
- 1 x Backpack
- 1 x 1.8m Sling
- 1 x Snatch Block
- 2 x Oval Carabiners
- 50m x 10mm Double Braided Rope
- Rope Bag

ELECTRIC CABLE PULLERS



Model No. 31466
28.9 kN Rated

FEATURES

- Pull heavy loads with minimal operator effort.
- Force Gauge included to constantly monitor the pull.
- Right-angle sheave allows the operator to stand out of the direct line of force.
- Audio alarm high force warning and circuit breaker shut off at maximum force for added safety.
- Tapered capstan and patented rope guidance system for better control of the rope when feeding onto the capstan.
- Runs off 230V/50/1 mains power.
- Patented.
- Direct gear drive with 1.1 KW motor.
- Supplied with clamping chains for pipe as standard.

OPTIONAL EXTRAS

- 35605 (6037) floor mount with 4 anchor's, heavy duty welded construction. Maximum Rated Capacity 28.9 kN, Weight 1.4kg.
- Pelican high force pulling rope recommended dia (19.1mm). Refer page 155 for details.



Model No. 35605 (6037)
Floor Mount



Model No.	Pulling Force	Dimensions (LxWxH)	Weight (kg)
31466	Maximum 28.9 kN Continuous 20.0 kN	527x572x305	49

Pulling Speed

No Load 5 metre/minute

At 8.8 kN 3.4 metre/minute

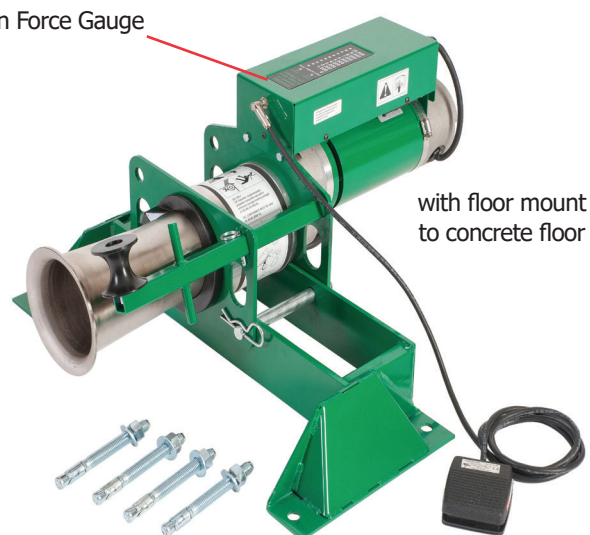
At 17.9 kN 2.3 metre/minute

At 26.7 kN 1.8 metre/minute

ELECTRIC CABLE PULLERS (CONTINUED)



Model No. 00813
44.5 kN Rated



Model No. 00814
44.5 kN Rated

FEATURES

- 2 speed gear motor enables 20% faster pulling time
- Shifts from high speed/ low load pulling to low-speed/high load pulling with a simple double tap motion on foot pedal.
- Drive motor 1.1 KW 230V/50/1.
- Built in force gauge with overload indicator & shut off.

OPTIONAL EXTRAS

- Pelican high force pulling rope recommended dia (22.2 mm). Refer page 155 for details.

Model No.	Pulling Force	Dimensions (LxWxH)	Weight (kg)
00813 00814	Maximum 44.5 kN Continuous 28.9 kN	660x292x254	42 approx

Pulling Speed

No Load 4.8 metre/minute

At 9.0 kN 4.27 metre/minute

At 18.0 kN 3.66 metre/minute

At 27.0 kN 2.13 metre/minute

At 36.0 kN 1.8 metre/minute

UNDERGROUND PULLING

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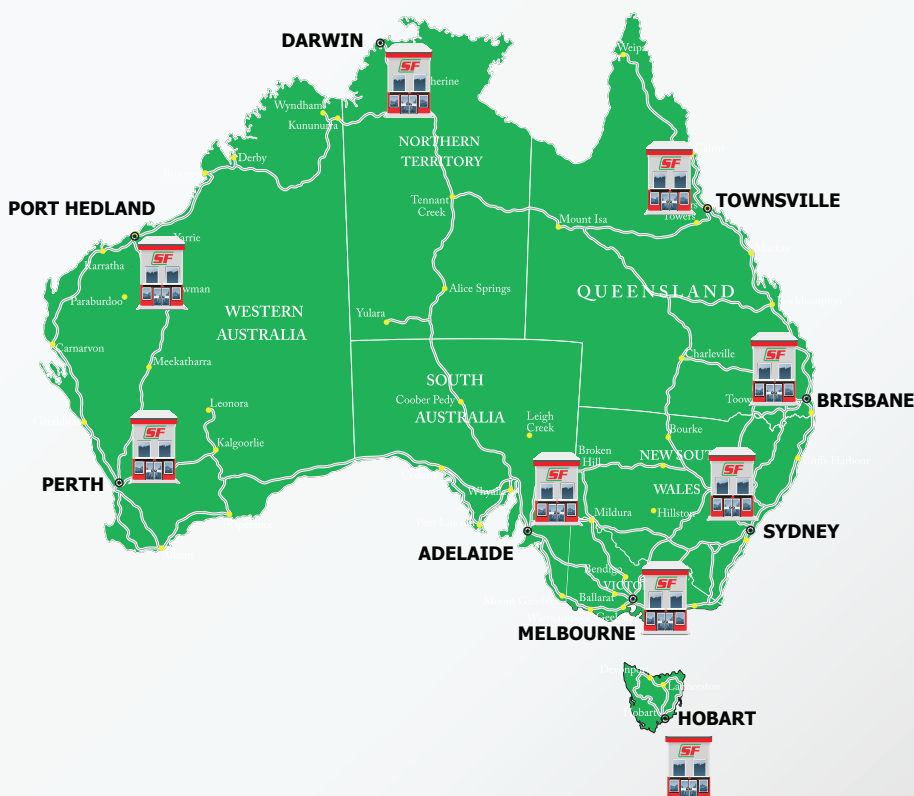
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