



AUTOMOTIVE



4 MÉTIERS, 4 MARQUES





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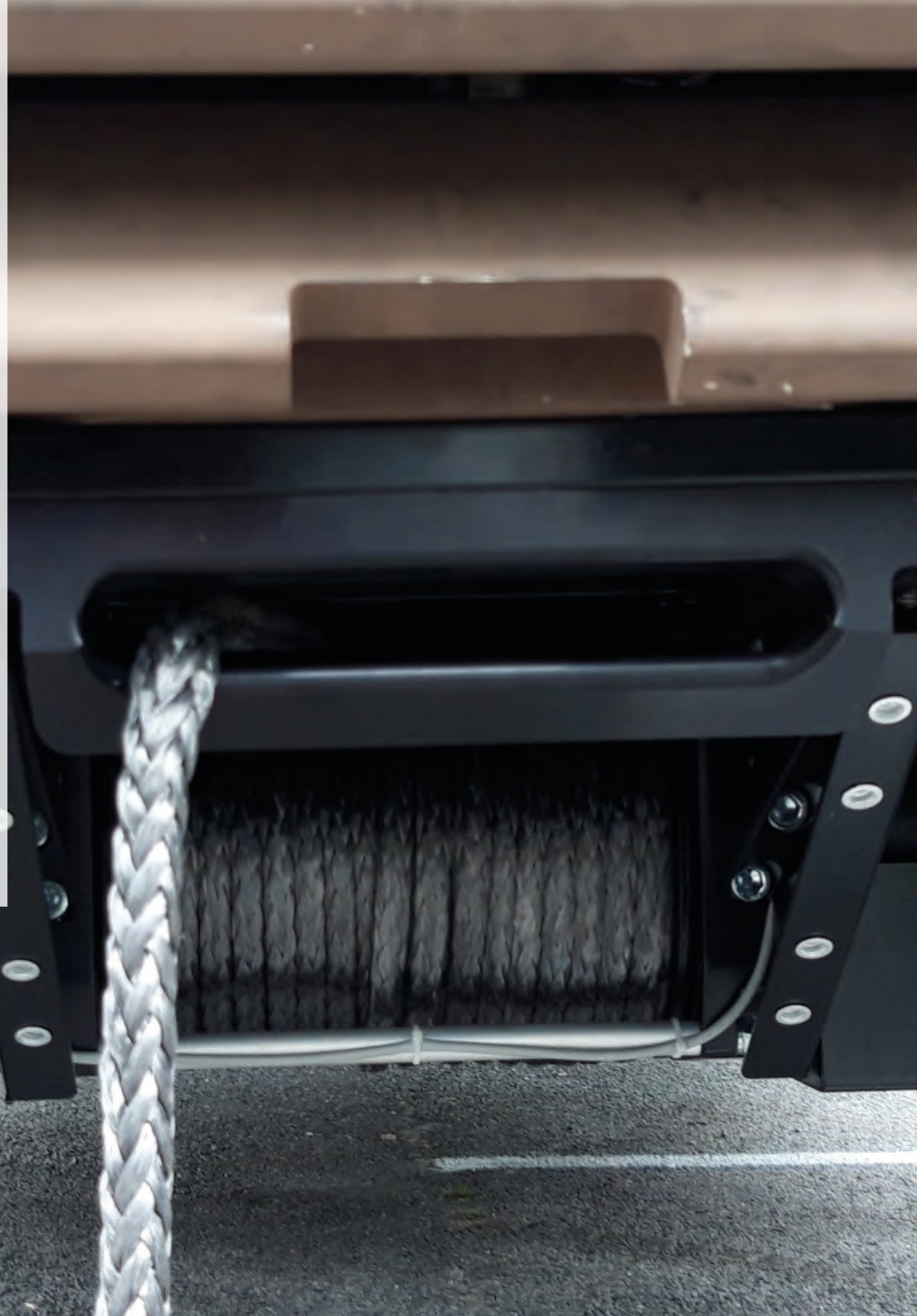



Made in France

WARDEN Winches is specialized in the design and manufacture in France of electric, hydraulic and air winches.

We are committed to meet the requirements of the most demanding standards in the various application areas of our customers, such as defence, offshore, nuclear and scenic.

Every winch we produce is subject to a rigorous quality process, from taking in charge of the quote request until the final tests. Our goal is to guarantee each user total satisfaction.





Why choose WARDEN Winches ?



Our winches have been carefully designed and rigorously tested to ensure their reliability and efficiency in particularly demanding environments.



Our research and development approach is driven by a constant innovation politic.



We offer integration and cable tray solutions to facilitate and optimize the cable management and use in different vehicle environments.



We are specialized in the adaptation of our winches to the precise specifications of our customers, in order to perfectly meet their needs and requirements.

WARDEN ES

FEATURES

WARDEN ES winches are equipped with 12VDC motors. They are efficient and capable of pulling a force of 1.5T to 6.8T. Their maximum winding capacity is 30m of steel or synthetic cable. For the use in difficult conditions, these winches are IP67 and are equipped with a failsafe mechanical brake for improved safety.



12VDC
motors



1,5T to
6,8T



30m
cable

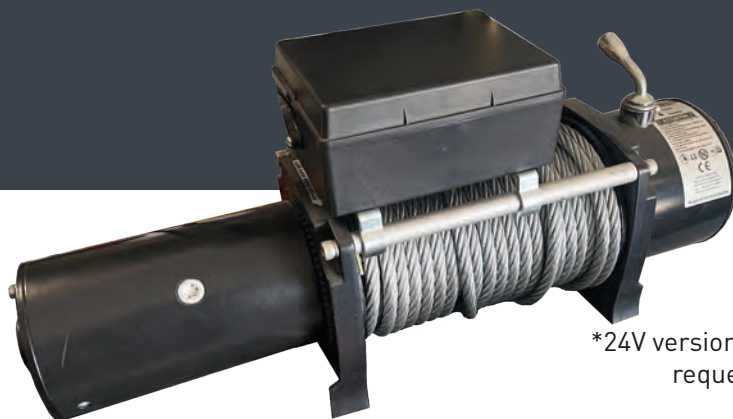


IP67



Failsafe
brake

Applications : Self-recovery offroad vehicle • Light trailer •
Recovery truck



*24V versions upon
request only



Model	Code	Force	Rope Ø	Cable length	Motor power	Current	
						12V	24V*
Warden ES 3.5	WAM0019	1 589 kg	Ø 5.5 mm	12m	3,5CV	230A	-
Warden ES 4.0	WAM0011	1 816 kg	Ø 5.5 mm	12m	4,6CV	280A	-
Warden ES 6.0	WAM0080	2 720 kg	Ø 7 mm	24m	3.7CV	220A	
Warden ES 8.0	WAM0012	3 630 kg	Ø 8.0 mm	30m	4.8CV	252A	
Warden ES 9.5	WAM0013	4 310 kg	Ø 8 mm	28m	4,9CV	300A	-
Warden ES 12	WAM0009	5 445 kg	Ø 9.5 mm	28m	4,9CV	300A	220A
Warden ES 15	WAM0010	6 800 kg	Ø 11 mm	20m	6,8CV	420A	275A



WARDEN HW 1000

The WARDEN HW 1000 lifting winch is equipped with 12 or 24VDC motors. It is efficient and capable of lifting a 454kg load. Its maximum winding capacity is 28m of steel or synthetic cable. This winch has a mechanical failsafe brake automatic for improved safety.

FEATURES



12 or 24VDC
motors



454kg
lifting



28m
cable

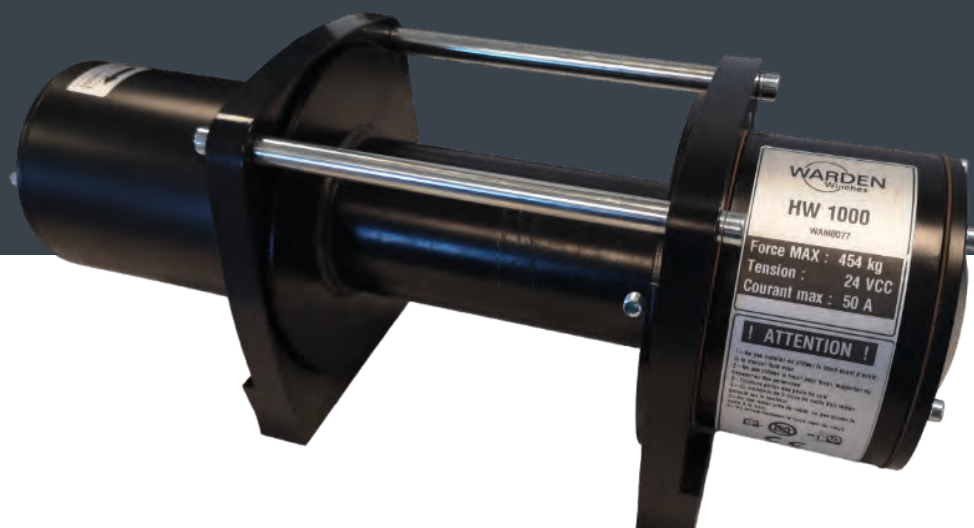


IP67



Failsafe
brake

Applications : Vehicle embedded lifting • Jib crane



Model	Code	Force	Rope Ø	Motor power	Motor power	Current
Warden HW 1000 12V	WAM0076	454 kg	Ø 5 mm	28 m	0,8 kW	73A
Warden HW 1000 24V	WAM0077	457kg	Ø 5 mm	28 m	0,8 kW	50A

Solenoid box with emergency stop, remote 3,7m cable and ETC torque limiter :
Codes : 12V WAP0132 – 24V WAP0133

WARDEN HD

WARDEN HD winches are equipped with 24VDC motors. They are efficient and able to pull a force of 4.1T to 8.1T. Their maximum capacity winding length is 30 to 89m of steel or synthetic cable. These winches are IP67 and designed with an automatic failsafe mechanical brake for improved safety.

FEATURES



24VDC
motors



4T to
8,1T



89m
cable



IP67



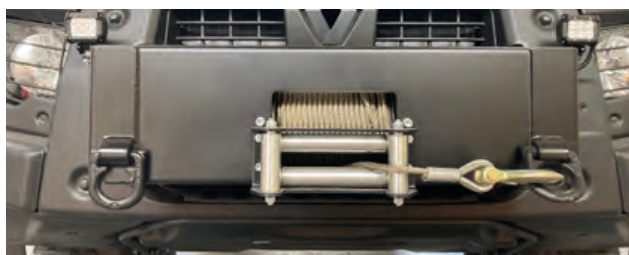
Failsafe
brake

Applications : Trucks self recovery • Heavy equipment trailers
• Recovery trucks



Model	Code	Force	Rope Ø	Cable length	Motor power	Current	
						12V*	24V
Warden HD 9 000	WAM0018	4 082 kg	Ø 10 mm	30m	7,35CV	310A	160A
Warden HD 9 000 HF	WAM0090	4 082 kg	Ø 10 mm	89m	7,35CV	310A	160A
Warden HD 12 000	WAM0014	5 440 kg	Ø 11 mm	30m	7,35CV	376A	210A
Warden HD 12 000 HF	WAM0091	5 440 kg	Ø 11 mm	67m	7,35CV	376A	210A
Warden HD 15 000	WAM0015	6 800 kg	Ø 12 mm	30m	7,35CV	450A	250A
Warden HD 15 000 HF	WAM0092	6 800 kg	Ø 12 mm	50m	7,35CV	450A	250A
Warden HD 18 000	WAM0016	8 172 kg	Ø 13 mm	30m	7,7CV	469A	310A
Warden HD 18 000 HF	WAM0093	8 172 kg	Ø 13 mm	47m	7,7CV	469A	310A

*12V versions upon request only



Pictures, drawings and
features non contractual

WARDEN HY

WARDEN HY winches are equipped with orbit motors with counter balance valves. They are sturdy and efficient. Capable of pulling a force from 4.1T up to 8.1T, their maximum winding capacity is from 30 to 89m of steel or synthetic cable. They are equipped with a failsafe mechanical holding brake for improved safety and a counter balance valve ensuring dynamic braking while unwinding.

FEATURES



Orbit motor



4,1T to
8,1T



89m
cable



Failsafe
brake



Model	Code	Force	Rope Ø	Cable length	Motor displacement (CC)	Working pressure (bar)	Max flow (l/min)
Warden HY 9 000	WAM0025	4 082 kg	Ø 10 mm	30m	80	141 bar	75 l/min
Warden HY 9 000 HF	WAM0094	4 082 kg	Ø 10 mm	89m	80	141 bar	75 l/min
Warden HY 12 000	WAM0020	5 443 kg	Ø 11 mm	30m	80	141 bar	75 l/min
Warden HY 12 000 HF	WAM0095	5 443 kg	Ø 11 mm	67m	80	141 bar	75 l/min
Warden HY 15 000	WAM0021	6 804 kg	Ø 12 mm	30m	100	151 bar	75 l/min
Warden HY 15 000 HF	WAM0096	6 804 kg	Ø 12 mm	50m	100	151 bar	75 l/min
Warden HY 18 000	WAM0023	8 156 kg	Ø 13 mm	30m	125	117 bar	75 l/min
Warden HY 18 000 HF	WAM0024	8 156 kg	Ø 13 mm	47m	125	117 bar	75 l/min

WARDEN T

WARDEN T series pulling winches are widely used in different applications, towing in front or rear cab mounting requiring force and a high holding capacity, in particular on tow trucks, agricultural and forester machinery. Capable of pulling a force of 6 to 35 T, their maximum winding capacity is 200m of steel or synthetic cable, with an extended service duty. They are also equipped with a failsafe negative hydraulic brake and a manual or pneumatic clutch release.

FEATURES



Orbit motor



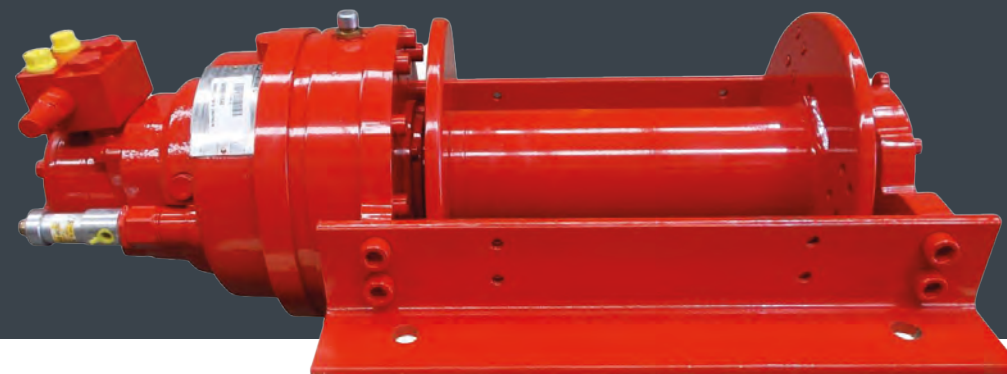
6 to 35T



200m
cable



Failsafe brake



Model	Code	Force	Rope Ø	Cable length	Motor displacement (CC)	Working pressure (bar)	Max flow (l/min)	Weight Kg
Warden T 60	WAM0045	6 000 kg	Ø 14 mm	40m	125	180	40	86
Warden T 100	WAM0046	10 000 kg	Ø 18 mm	50m	160	170	75	135
Warden T 150	WAM0078	15 000 kg	Ø 22 mm	50m	125	210	75	250
Warden T 200	WAM0047	20 000 kg	Ø 24 mm	50m	125	210	75	250
Warden T 300	WAM0049	30 000 kg	Ø 26 mm	65m	250	205	100	420
Warden T 350	WAM0050	35 000 kg	Ø 28 mm	50m	250	205	100	420

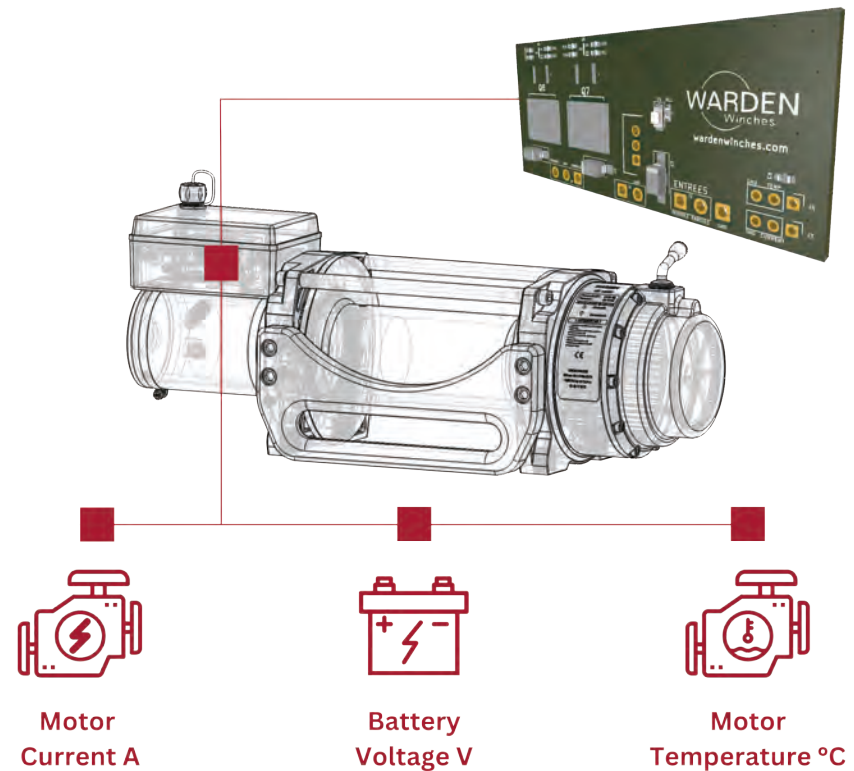
ETC System

Available as an option on Warden electric winches ES & HD ranges and as standard on the HW range, the ETC control system provides monitoring of the motor current consumption, stopping the winding movement in if the configured threshold is exceeded, corresponding to the permissible torque limit of the winch.

To this functionality, which is essential for compliance with EN 14492-1, ETC adds the following features:

- **Motor temperature monitoring** : in case of heavy load, motor heating is a frequent cause of failure or premature wear. ETC secures the winch when the temperature of the motor reaches a critical threshold.
- **Voltage monitoring** : the size and the condition of your battery are limiting factors for the performance of your winch. ETC secures your winch when the Voltage of your battery is too low or too high keeping good and safe work conditions.

These safety thresholds are set in our factory of Roissy en France, but can be adapted following your needs and markets (harsh weather conditions, non-standard Voltage, etc.). Warden ETC is also able to communicate its operational datas via a communication frame signal.



Options & accessories

The exclusive Warden Rugged Skin surface treatment is a synthetic rubber coating that can be easily brushed and has an excellent resistance to humidity, acid, alkalinity, abrasion and dielectric. Warden Rugged Skin won't crack or break does not harden and remains flexible, even in extreme conditions.

Features	
Dielectric : (ASTM D 149)	57kV/mm
Shore A hardness : (ASTM-D 2240) 70	70
Salt spray : (ASTM B-117)	Passed 1000 hours
Climatic exposure : (ASTM G 53)	3 to 5 years
Elasticity: (ASTM D 638)	430%
Abrasion resistance: (ASTM D 1044)	Very good

Options & accessories



Electric clutch WAP0020

Electric actuator allowing to control the clutch from the remote.



Remote control WAA0010

The remote control plugs into the solenoid box and allows the operator to control the winch while keeping a safe distance from the cable during the winch operation.



Radio remotes 2 on/off functions, 12 & 24VDC

WAA0014 : Standard radio control, receiver equipped with a connector to plug directly to the ES range solenoid box (except 3.5) & HD.

WAP0100 : Radio remote including a receiver to be wired with the solenoid, compatible with all our winches.



Spooler WAA0032

Cable winding assistance system allowing to pull in the cable with an augmented angle, therefore improving the cable lifetime.



ES range WAA0023

Roller fairlead for winches equipped with steel ropes. Suitable for intensive uses (recovery and pulling), on self-recovery winches, tow trucks...

HD/HY range WAA0019

Roller fairlead for winches equipped with steel ropes, for self-recovery winches, tow trucks, machine carrier trailers.



HD range WAA0003

Hawse fairlead for winches fitted with synthetic rope, for pulling winches mounted on tow trucks, machine carrier trailers.



ES range WAA0004

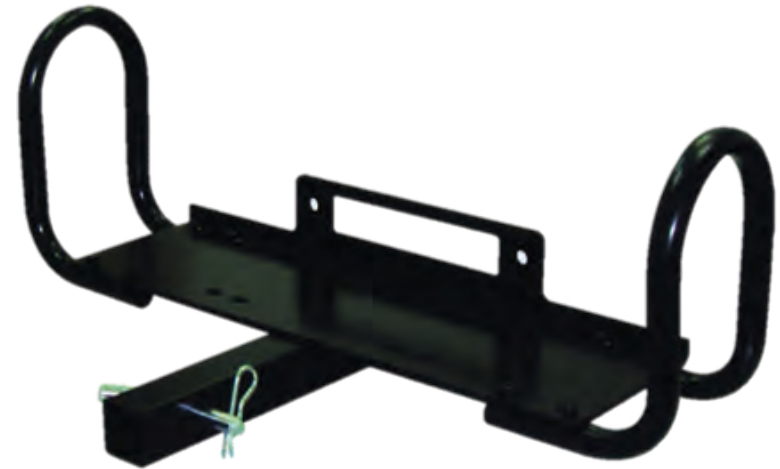
Hawse fairlead for winches equipped with synthetic cable, for pulling and self-recovery winches mounted on 4x4 vehicles, tow trucks.

Standard mounting support



WAA0008

Sturdy mounting plate made of steel that will allow you to fit any WARDEN ES winch easily on your vehicle or trailer thanks to its pre-drilled holes. It is recommended for winches from 2720 to 6803 Kg but you can also use it for any other smaller winch model.



WAA0009

Removable mounting cradle for WARDEN ES winches. Suitable for front or rear mount of the vehicle and easy to disassemble after use.

Specific winch mounts

Vehicle	Code	Vehicle	Code
VW CRAFTER	WAA0051	DACIA DUSTER	WAA0058
VW T5	WAA0052	FIAT DUCATO	WAA0059
VW AMAROK	WAA0053	NISSAN NAVARA	WAA0060
IVECO	WAA0054	MERCEDES BENZ CLASSE X	WAA0061
FORD TRANSIT	WAA0055	MB SPRINTER	WAA0062
FORD RANGER RAPTOR	WAA0056	MITSUBISHI PAJERO	WAA0063
FORD RANGER	WAA0044	TOYOTA LANDCRUISER	WAA0064
ISUZU D-MAX	WAA0057	TOYOTA HILUX	WAA0038

We offer a wide range of assembly and integration kits for front mount on utility and off-road vehicles.



WARDEN Pullmate winch

Light gas-powered pulling winch, the WARDEN PULLMATE gives you 1,000 kg of force for a only 18 kg weight. You are no longer limited by the spooling capacity of your drum.

Use the WARDEN PULLMATE with our double braided polyester rope of the length that suits you.

WUM0006

FEATURES

Application	Pulling
Force (kg)	1 000
Engine	144FE, 4 stroke, 1.5 Kw 50cc
Ratio	146
Brake	One way bearing
Line speed (m/min)	10
Rope Ø mini (mm)	10
Warping head Ø (mm)	58
Weight	18kg



- Autonomous capstan winch
- Gas engine
- Steel drum

Pictures, drawings and features non contractual

WARDEN Pullmate accessories

Code	Description	
WAA0006	Towing scissor pulley SWL 4.5T	
WUA0001	Anti-return pulley SWL 400KG	
VELDUP203	Duplex webbing sling 2T 3M	
WUA0005	Stainless steel hitch plate for towing ball	
V0981	Security carabiner	
WUA0006	WARDEN 80L red carry bag	
WUA0002	Transport case	

Code	Description	
VDRIP0121	Special 12mm polyester rope for capstan winch 50m	
VDRIP0122	Special 12mm polyester rope for capstan winch 100m	
VDRIP0123	Special 12mm polyester rope for capstan winch 150m	
VDRIP0124	Special 12mm polyester rope for capstan winch 200m	
WUA0003	WARDEN Pullmate accessory kit	
WUM0008	WARDEN Pullmate + accessory kit	

Composition of the accessories kit

	Quantity
CMU 4.5T towing scissor pulley	x2
Anti-return pulley WLL 400KG	x1
WARDEN PULLMATE Transport Case 990x590x620mm	x1
2T 3M duplex webbing sling	x2
Safety carabiner	x2
Stainless steel hitch plate for towing ball 10397.02.001.A	x1
WARDEN 80L red carry bag	x1

Pictures, drawings and
features non contractual

WARDEN Utility



WUM0002

WARDEN AC 1500

Application: Pulling
Power supply: 230VAC
Force : 680 kg
Maximum speed: 3.3m/min
Cable: 15m
Manual clutch release



WUM0009

WARDEN TYPHOON 10

Automatic cable unwinder
Maximum load: 1,000 kg
Max speed: 40m/min
Self adjusting unwinding speed
Reel Ø: from 400 to 1000mm

Ropes

Wire ropes

For your new winch or for a replacement, our steel wire ropes are made in our facilities, to the length that suits you.

Ø (mm)	Code	Length (m)	MBL (kN)	Construction
5	WAA0065	15	16	19x7
6	WAA0046	8	26	7x19
8	WAA0049	15	41	7x19
8	WAA0066	25	41	7x19
10	WAA0067	15	71	7x19
11	WAP0012	30	118	8x19
13	WAP0013	30	147	6x36

Synthetic rope

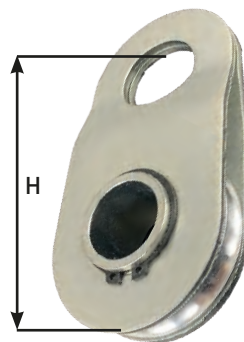
Stronger and 10 times lighter than steel rope..

Ø (mm)	Code	Length (m)	MBL (kN)	Construction
10	WAA0050	40	131	HMPE SK99
11	WAA0028	30	108	HMPE SK78
11	WAA0029	48	161	HMPE SK99
12	WAA0041	30	175	HMPE SK99
13	WAA0027	30	197	HMPE SK78
14	WAA0068	30	157	TECHNORA
18	WAA0045	60	277	HMPE SK99

Pulleys and soft shackles

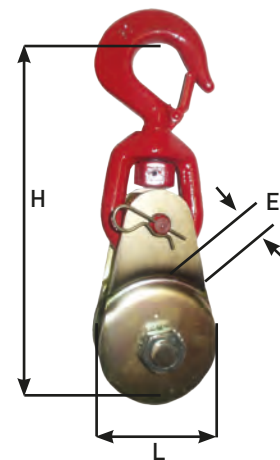
Scissor pulley for steel ropes

Code	CMU kg	Ø câble mm	Ø réas mm	H mm	Poids kg
WAA0006	4 500	14 à 17	200x30	315	8,7



Snatch blocks with rotating hook with safety latch for steel ropes

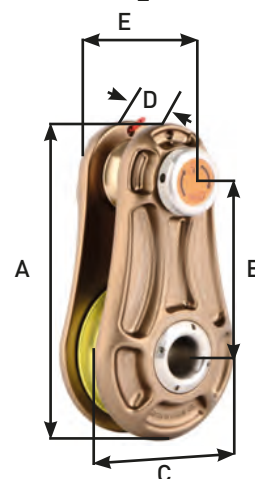
Code	CMU kg	Ø câble mm	Réa D1	L mm	H mm	E mm	Poids kg
VAPOUAJ10BB	1250	5 à 8	65	86	235	66	2,3
VAPOUAJ20BB	2500	9 à 11	60	86	279	81	3,6
VAPOUAJ30BB	3200	12 à 16	76	120	330	97	6,7
VAPOUAJ50BB	5400	12 à 16	116	160	369	97	8,1
VAPOUAJ80BB	8000	16 à 20	110	160	458	125	18



Snatch blocks with bare axle for synthetic ropes

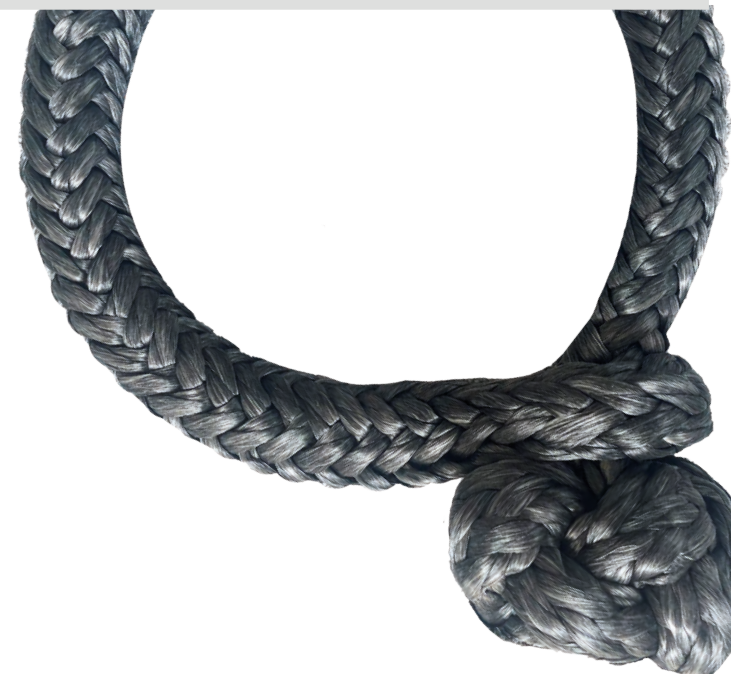
Type	Code	Ø câble maxi	CMR (kN)	A mm	B mm	C mm	D mm	E mm	Weight kg
IB 50	WAA0034	16	200	183	100	100	73	82	1,86
IB 80	WAA0015	20	300	222	125	120	85	98	3,47

Specially designed for use with synthetic cables, IB pulleys are made of a very light alloy and offer no edges or surfaces likely to abrade the rope.



Soft shackles

Code	CMR (kN)	Ø fil mm	Longueur développée mm	Weight kg
WAA0035	193	20	650	0,24
WAA0016	370	30	1000	0,82



The HMPE soft shackle is a light and resistant pulling accessory, made from high modulus polyethylene fibers. It offers great resistance and ergonomics compared to steel shackles.

Chains & links

Long link chain

These chains are not intended for lifting

Code	Ø mm	Internal Ø mm	Weight kg/m	Break load T
VCHAAA206	6	35 x 10	0,64	4,4
VCHAAA209	9	53 x 15	1,4	10
VCHAAA211	11	64 x 18	2,1	15
VCHAAA213	13	80 x 22	2,9	21,2
VCHAAA216	16	100 x 26	4,4	32,1
VCHAAA219	19	100 x 26	6,3	45

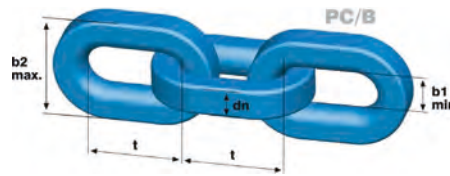
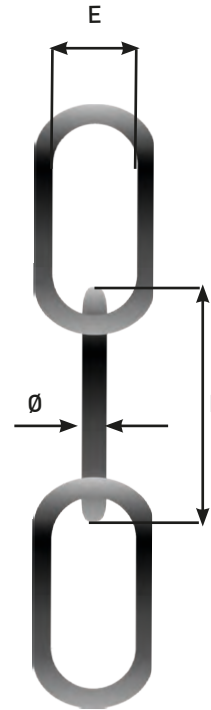
Medium link chain

These chains are not intended for lifting

Code	Ø mm	Internal Ø mm	Weight kg/m	Break load T
VCHAAA110	10	40 x 15	1,98	15
VCHAAA113	13	52 x 19,5	3,35	25
VCHAAA116	16	64 x 24	5,06	38
VCHAAA119	19	76 x 29	7,2	54

Grade 120 chain

Code	Ø mm	Internal Ø mm	Larg. intérieure b1 min.	Larg. extérieure b2 max.	Load Capacity kg	Break load kN	Weight kg/m
VCHAAS207	7	22	10	26	2.360	92,6	1,36
VCHAAS208	8	25	11,2	29	3.000	118	1,64
VCHAAS210	10	33	14,2	37	5.000	196	2,7
VCHAAS213	13	41	18,6	50	8.000	314	4,8



Grade 80 chain – For lifting

Code	Ø mm	P mm	E mm	SWL kg
VCHAAA006	6	18	7.8	1 120
VCHAAA007	7	21	9.1	1 500
VCHAAA008	8	24	10.4	2 000
VCHAAA010	10	30	13	3 150
VCHAAA013	13	39	16.9	5 300
VCHAAA016	16	48	20.8	8 000
VCHAAA019	19	60	26	11 200
VCHAAA022	22	66	28.6	15 000

Other dimensions upon request.

Option: galvanized finish or black cataphoresis for diameter 6-7-10-13.

Grade 100 chain – For lifting

Code	Ø chaîne mm	P mm	E mm	SWL kg
VCHAAS105	5	16	7,5	1 000
VCHAAS106	6	18	8,5	1 400
VCHAAS107	7	21	10,5	1 900
VCHAAS108	8	24	12	2 500
VCHAAS110	10	30	14	4 000
VCHAAS113	13	39	19	6 700
VCHAAS116	16	48	23	10 000
VCHAAS119	19	57	25	14 000

Other dimensions upon request.

Tensioner & chain slings

Secure chain tensioner / EN 12195-3 standard

Code	Chain Ø mm	Open length mm	Closed length mm	Lashing capacity T	MBL T	Weight / unit kg
VTENCH208	8	742	573	4	8	4.5
VTENCH210	10	789	620	6.3	12.6	5.4
VTENCH213	13	886	703	10.6	21.2	7.7
VTENCH216	16	892	733	16	32.2	10.2

Lashing sling / 3,5m standard length / grade 80

Code 2 shorteners	Code 2 hooks with latch	Chain Ø mm	LC T	Code extra 1m.
VTC0887735	VTC0882235	8	4	VCHAAA008
VTC1087735	VTC1082235	10	6.3	VCHAAA010
VTC1387735	VTC1382235	13	10.6	VCHAAA013
VTC1687735	VTC1682235	16	16	VCHAAA016

Lashing chain / 1m standard length / grade 80

Code chain + shortener	Code chain + hook with latch	Chain Ø mm	LC T	Code extra 1m
VTC088701	VTC088201	8	4	VCHAAA008
VTC108701	VTC108201	10	6.3	VCHAAA010
VTC138701	VTC138201	13	10.6	VCHAAA013
VTC168701	VTC168201	16	16	VCHAAA016

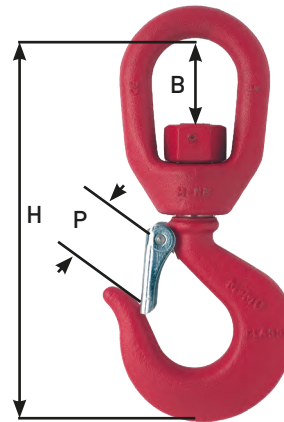
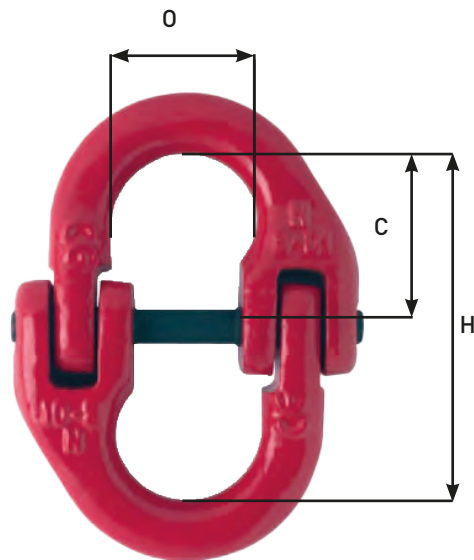


Pictures, drawings and
features non contractual

Grade 80 Coupling links & hooks

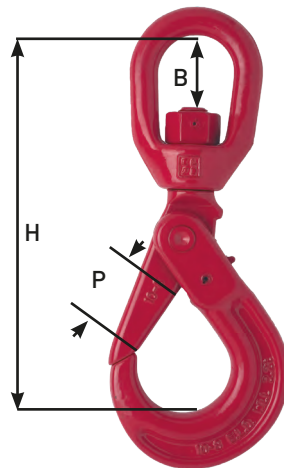
Grade 80 coupling link

Code	WLL T	Chain Ø mm	C mm	O mm	H mm	Weight kg
VCOUPI006	1,12	6	18	16,5	43	0,07
VCOUPI008	1,5	7	20	20,5	50,5	0,10
VCOUPI009	2	8	25,5	23,5	62	0,25
VCOUPI010	3,15	10	30	26	76	0,35
VCOUPI013	5,3	13	36	32,2	83	0,68
VCOUPI016	8	16	40,5	39,5	103	1,10
VCOUPI019	12,5	20	48	47	116	1,70



Grade 80 swivel hook with latch

Code	WLL T	P mm	H mm	B mm	Chain Ø mm	Weight kg
VCROCE010	1,25	24	116	27	27	0,47
VCROCE015	1,6	26	140	33	33	1,00
VCROCE025	2,5	27	163	42	42	1,40
VCROCE030	3,2	32	172	40	40	1,66
VCROCE050	5,4	40	213	50	50	3,65



Grade 80 swivel self-locking hook

Code	WLL T	P mm	H mm	B mm	Chain Ø mm	Weight kg
VCROBL010	1,12	28	150	23	23	0,60
VCROBL016	2	34	185	27	27	1,10
VCROBL030	3,15	45	217	35	35	2,00
VCROBL050	5,3	54	271	43	43	4,00
VCROBL065	8	62	334	58	58	6,80

Grade 80 Hooks

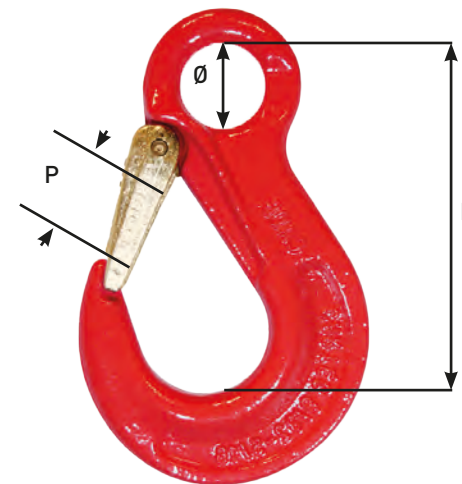
Grade 80 clevis self-locking hook

Code	WLL T	P mm	H mm	Chain Ø mm	Weight kg
VCROBG009	1,12	28	94	6	0,50
VCROBG016	2	34	123	7/8	0,93
VCROBG025	3,15	45	143	10	1,58
VCROBG042	5,3	51	180	13	3,20
VCROBG065	8	60	215	16	5,95
VCROBG070	12,5	70	253	19/20	9,8



Grade 80 eye hook with safety latch

Code	WLL T	P mm	H mm	Chain Ø mm	Weight kg
VCROCA010	1,12	25	81	21	0,27
VCROCA020	2	30	96	25	0,50
VCROCA030	3,15	36	121	34	0,90
VCROCA050	5,3	44	150	43	1,50
VCROCA065	8	53	183	52	2,75
VCROCA102	12,5	60	203	55	4,50

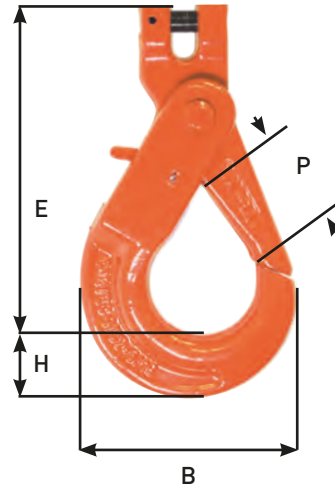
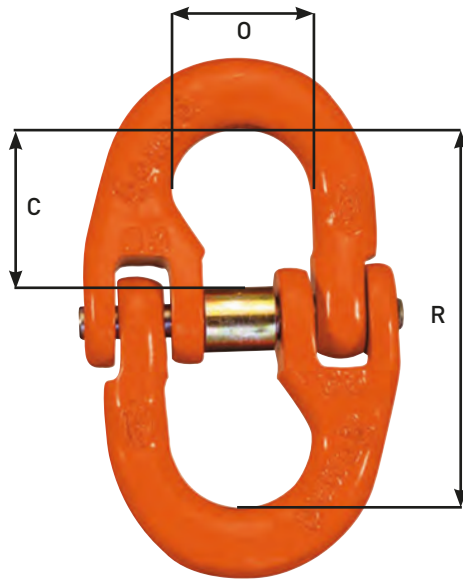


Pictures, drawings and features non contractual

Grade 100 Coupling links & hooks

Grade 100 Coupling link

Code	WLL T	R mm	O mm	C mm	Weight kg
VCOUPI1006	1,4	45	18	18	0,07
VCOUPI1007	1,9	50,5	20,5	20	0,14
VCOUPI1008	2,5	62	23,5	25,5	0,2
VCOUPI1010	4	72	27,5	30	0,35
VCOUPI1013	6,7	87,3	33,3	36	0,74
VCOUPI1016	10	105	39,5	40,5	1,16
VCOUPI1019	16	113	46	46	2,5

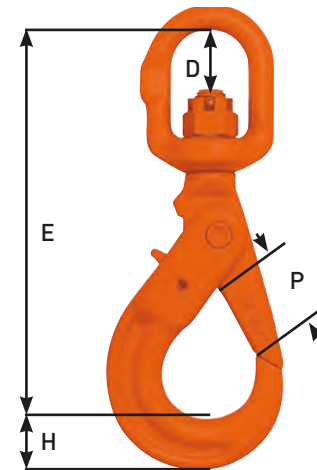


Grade 100 clevis self-locking hook

Code	WLL T	E mm	H mm	B mm	P mm	Weight kg
VCROBG1006	1,4	94	20	71	28	0,5
VCROBG1008	2,5	123	26	88	34	0,9
VCROBG1010	4	144	30	107	45	1,6
VCROBG1013	6,7	180	40	138	52	2,9
VCROBG1016	10	218	50	168	60	5,8
VCROBG1019	16	259	62	194	70	9,9

Grade 100 swivel self-locking hook

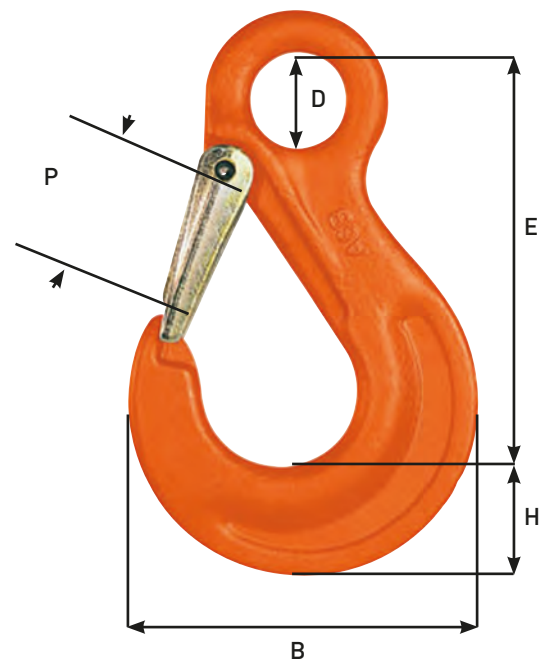
Code	WLL T	E mm	H mm	D mm	P mm	Weight kg
VCROBL1006	1,4	160	20	35	28	0,6
VCROBL1008	2,5	181	26	35	34	1,1
VCROBL1010	4	218	30	40	45	2
VCROBL1013	6,7	269	40	47	52	4
VCROBL1016	10	319	50	60	60	6,8



Grade 100 Hook

Grade 100 eye hook with safety latch

Code	WLL T	E mm	H mm	B mm	D mm	P mm	Weight kg
VCROCA1006	1,4	85	21	20	10	68	0,3
VCROCA1008	2,5	106	27	25	11	88	0,5
VCROCA1010	4	131	33	34	16	109	1,1
VCROCA1013	6,7	164	44	43	19	134	2,2
VCROCA1016	10	183	50	50	25	155	3,5



Grade 120 tensioner & chain slings

Secure chain tensioner / EN 12195-3 standard

Code	Chain Ø mm	Open length mm	Closed length mm	Lashing capacity T	MBL T	Weight / unit kg
RSPSWP7	7	760	618	4,8	9,6	4,6
RSPSWP8	8	759	617	6,1	12,2	4,9
RSPSWP10	10	837	697	10,2	20,4	6,7
RSPSWP13	13	1298	1009	16,31	32,62	15,7



Lashing sling / 3,5m standard length / grade 120

Code	Lashing capacity kN	Length mm	Jaw size mm	Weight kg
ZKWP 7 200 I HSWP-HSWP 3500 CONNEX	47	3 500	26	5,73
ZKWP 8 200 I HSWP-HSWP 3500 CONNEX	60	3 500	26	6,79
ZKWP 10 200 I HSWP-HSWP 3500 CONNEX	100	3 500	31	11,67
ZKWP 13 200 I HSWP-HSWP 3500 CONNEX	160	3 500	39	21,07



Grade 120 Coupling links & hooks

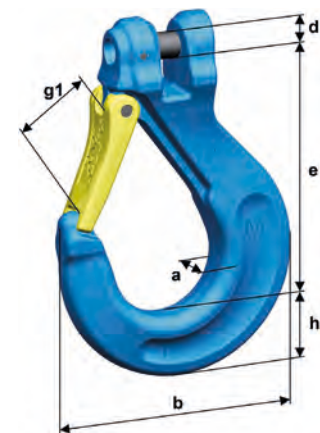
Grade 120 Coupling link

Code	WLL T	e mm	c mm	s mm	t mm	d mm	b mm	g mm	Weight kg
CWP7	4,79	63	11,5	13	15,5	9	51	17	0,24
CWP8	6,11	32	14	15	20	10	58	20	0,27
CWP10	10,19	78	18	21	25	13	66	22	0,57
CWP13	16,31	107	22	25	34	17	84	25	1,43



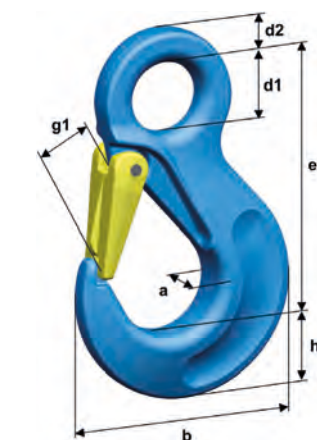
Grade 120 Clevis hook with safety latch

Code	WLL T	e mm	h mm	a mm	d mm	g1 mm	b mm	Weight kg
KHWP7	4,79	105	26	19	9,5	36	101	0,85
KHWP8	6,11	105	26	19	10,7	36	101	0,75
KHWP10	10,19	121	33	26	14	41	118	1,68
KHWP13	16,31	148	43	30	17,5	49	147	2,99



Grade 120 Eye hook with safety latch

Code	WLL T	e mm	h mm	a mm	d1 mm	d2 mm	g1 mm	b mm	Weight kg
HSWP 7/8	6,11	106	27	19	25	11	26	88	0,65
HSWP10	10,19	131	33	26	34	16	31	108	1,29
HSWP13	16,31	164	43	33	43	19	39	132	2,43



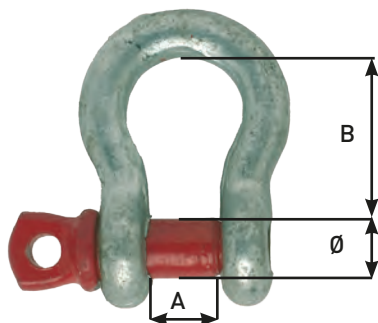
HMPE Chain

Created from HMPE fibers, this link chain has all the performance and flexibility of steel chain but is a fraction of the weight. It is non corrosive and is completely waterproof. Easy to use, quick to set up, it greatly reduces the potential of damage to cargo.

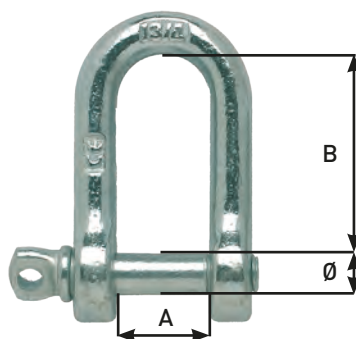
Code	WLL T		links /m	Chain dimension mm	Width mm	Link Thickness mm	Lenght inside mm	Weight /m kg
	Lifting	Lashing						
VTYCCHA15	2,6	5,2	10	11x15	15	11	100	0.3
VTYCCHA20	4	8	10	11x20	20	11	100	0.5
VTYCCHA25	5	10	10	15x25	25	15	100	0.6
VTYCCHA30	6,8	13,6	8	13x30	30	13	125	0.9

Shackles

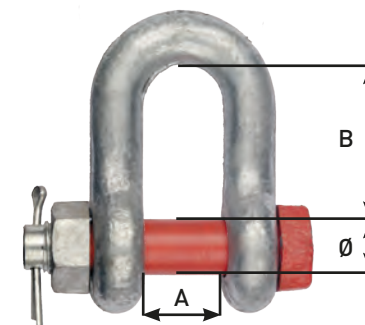
Alloy galvanized steel bow shackle



Galvanised steel dee shackle



Alloy galvanized steel dee shackle with bolt

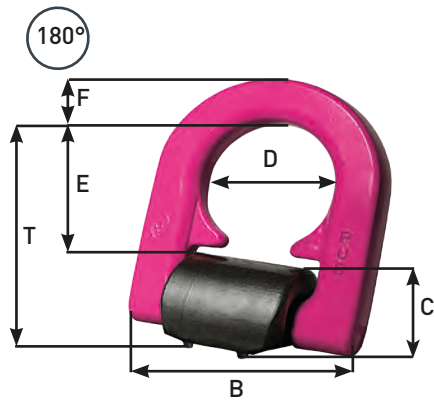


Code	WLL T	Ø mm	A mm	B mm	Weight kg
VMALAA001	0,5	8	12	29	0,05
VMALAA003	1	11	17	36	0,14
VMALAA004	1,5	12	19	43	0,17
VMALAA005	2	16	20	47	0,33
VMALAA006	3,25	19	27	60	0,62
VMALAA007	4,75	22	31	71	1,07
VMALAA008	6,5	25	36	84	1,64
VMALAA009	8,5	27	43	95	2,28
VMALAA010	9,5	32	46	108	3,36
VMALAA011	12	35	51	119	4,31
VMALAA013	17	41	60	146	7,80
VMALAA025	25	50	73	177	12,61

Code	WLL T	Ø mm	A mm	B mm	Weight kg
VMANDG006	0,1	6	11	29	0,04
VMANDG008	0,25	8	16	37	0,08
VMANDG010	0,4	10	19	41	0,11
VMANDG012	0,63	12	26	54	0,25
VMANDG014	0,75	14	28	57	0,34
VMANDG016	1	16	30	63	0,51
VMANDG018	1,3	18	28	62	0,75
VMANDG020	1,6	20	35	65	0,94
VMANDG022	2	22	41	75	1,3
VMANDG025	2,5	25	36	81	1,6
VMANDG028	3,15	28	40	90	2
VMANDG032	4	32	45	99	2,9
VMANDG036	5	36	50	109	4,3
VMANDG040	6,3	40	55	120	6

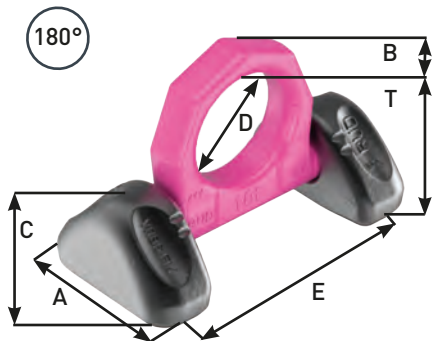
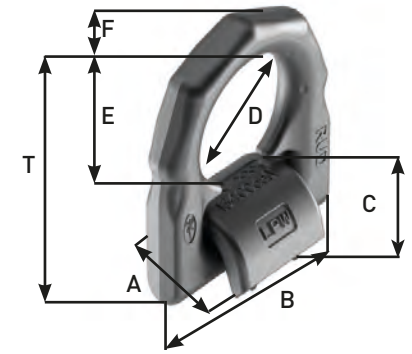
Code	WLL T	Ø mm	A mm	B mm	Weight kg
VMADAA101	1	11	17	31	0,149
VMADAA102	2	16	20	41	0,34
VMADAA103	3,5	19	27	51	0,66
VMADAA104	4,75	22	31	60	1,14
VMADAA106	6,5	25	36	71	1,747
VMADAA108	8,5	28	43	81	2,52
VMADAA109	9,5	32	46	91	3,45
VMADAA112	12	35	51	100	4,91
VMADAA117	17	41	60	122	8,39
VMADAA125	25	50	73	146	14,26

Load rings weldable



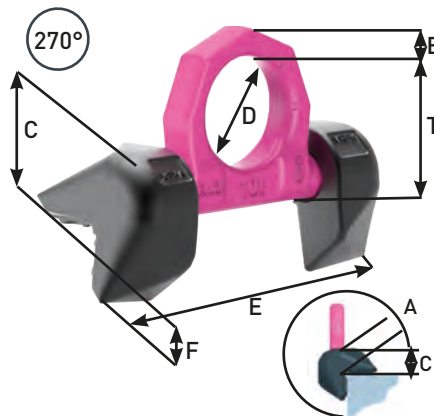
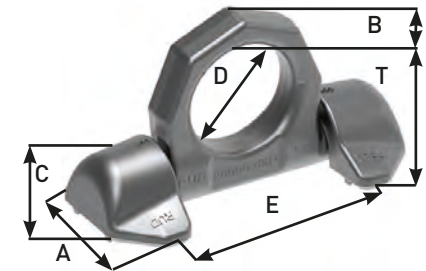
Load ring with mechanical stop

Code lifting	WLL T	A mm	B mm	C mm	D mm	E mm	F mm	T mm	Weight kg	LC T	Code lashing
VVLBS 1.5	1,5	33	66	38	25	40	14	65	0,35	3	VLPWU3000
VVLBS 2.5	2,5	36	77	45	27	48	16	75	0,5	5	VLPWU5000
VVLBS 4	4	42	87	51	31	52	18	83	0,8	8	VLPWU8000
VVLBS 6.7	6,7	61	115	67	44	73	24	117	1,9	13,4	VLPWU13400
VVLBS 10	10	75	129	67	55	71	26,5	126	2,9	20	VLPWU20000



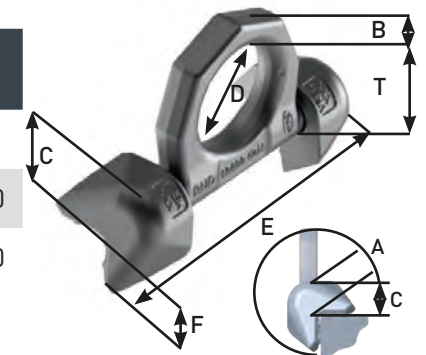
Load ring with bearing

Code lifting	WLL T	A mm	B mm	C mm	D mm	E mm	T mm	Weight kg	LC T	Code lashing
VRBS FIX 4	4	60	14	39	48	132	69	0,9	8	VLRBSFIX8000
VRBS FIX 6.7	6,7	88	20	50	60	167	91	2,2	13,4	VLRBSFIX13400
VRBS FIX 10	10	100	22	60	65	191	100	3,7	20	VLRBSFIX20000



Load ring for 90° corner

Code lifting	WLL T	A mm	B mm	C mm	D mm	E mm	F mm	T mm	Weight kg	LC T	Code lashing
VRBK-FIX 4	4	32	14	28	48	141	30	65	1	8	VLRBKFIX8000
VRBK-FIX 6.7	6,7	40	20	35	60	181	34	84	2,1	13,4	VLRBKFIX13400
VRBK-FIX 10	10	52	22	46	65	212	46	94	4,1	20	VLRBKFIX20000

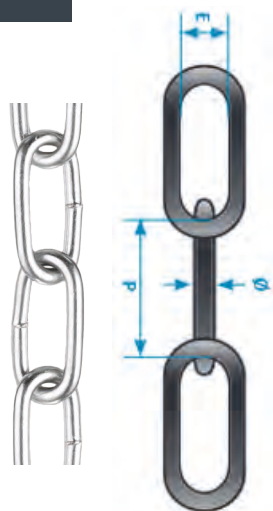


Pictures, drawings and features non contractual

Small accessories

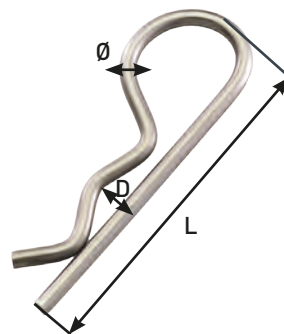
Zinc plated welded long link chain DIN 763

Code	Ø mm	Recommended WLL T	E mm	P mm
VCHAIG030	3	91	6	26
VCHAIG040	4	164	8	32
VCHAIG050	5	255	10	35



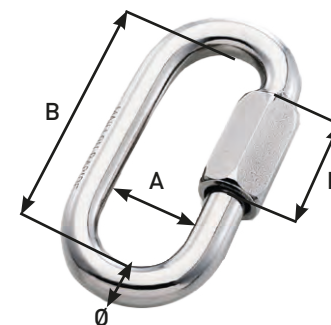
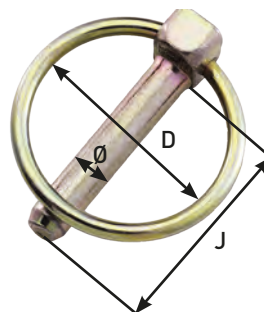
Beta pin

Code	Ø mm	Length mm	D mm	Finish
VGOUPI102	2	44	8 à 12	Zinc plated
VGOUPI103	3	57	10 à 15	Zinc plated
VGOUPI104	4	76	15 à 20	Zinc plated
VGOUPI105	5	100	20 à 25	Zinc plated
VGOUPI106	6	114	25 à 30	Zinc plated



Lynch pin

Code	Ø mm	Length mm	D mm	Finish
VGOUPI005	4,5	40	34	Zinc plated
VGOUPI006	6	45	34	Zinc plated
VGOUPI009	9	46	34	Zinc plated
VGOUPI011	11	46	34	Zinc plated



Zinc plated quick link

Code	WLL kg	Ø mm	A mm	B mm	P mm	Weight g
VMARAG035	100	3,5	10	29	5	8
VMARAG040	180	4	11,5	31,5	5,5	12
VMARAG050	280	5	13	39,5	6,5	21
VMARAG060	400	6	14,5	45	8,5	35
VMARAG070	550	7	16	52	11	51
VMARAG080	700	8	17,5	58	11	77
VMARAG090	900	9	19	62	12	103
VMARAG100	1100	10	20,5	69	15	137
VMARAG110	1500	12	23,5	80,5	17	232
VMARAG120	2200	14	26,5	93	19	365
VMARAG130	2900	16	29,5	108	23	562
VMARAG140	3500	18	32,5	121	23	793
VMARAG160	4000	20	34,5	137,5	26	1100

Textile lashing



Other colors, extremities and lengths upon request

Blue color 2 parts lashing

Code	Hooks	Length m	Width mm	LC T
VE50602B0900-30	Closed wire hook	9	50	2
VE50602B1200-30	Closed wire hook	12	50	2
VE50702B0900-30	Closed wire hook	9	50	2,5
VE50702B1200-30	Closed wire hook	12	50	2,5



Inverted ratchet 50mm lashing

- More tightening for same force
- 50mm webbing 7T5 break load
- SHF 50 daN / STF 500 daN
- Blue color



Code	Hooks	Length m	Width mm	LC T
VE51701B0900-50	Open wire hook	9	50	2,5
VE51702B0900-50	Closed wire hook	9	50	2,5

Super heavy 75mm lashing

Code	Hooks	Length m	Width mm	LC T
VE75201J0900-50	Open wire hook	9	75	5
VE75202J0900-50	Closed wire hook	9	75	5
Code	Hooks	Length m	Width mm	LC T
VE75101J0900-50	Open wire hook	9	75	3,5
VE75102J0900-50	Closed wire hook	9	75	3,5



Closed wire hook



Open wire hook

Belt with ratchet

Code	Length m	Width mm	LC T
VB25080N0500	5	25	800
VB35200N0500	5	25	2000



**POSSIBLE
EXTREMITIES**

Pictures, drawings and
features non contractual

T5005
Double safety ratchet



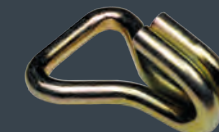
C50000
Open wire hook



C50015
Single wire hook



C50001
Closed wire hook



Specific lashings

35 & 50mm car wheel tie-down

Code	Hooks	Protection	Length m	Width mm	LC T
VPV35302B0250	3 Swivel	3 Blocks	2,5	35	1
VPV50302B0250	3 Swivel	3 Blocks	2,5	50	1,5
VPV50312B0250/750	3 Swivel	Sheath 750 mm	2,5	50	1,5

2 parts lashing - long lever ratchet - inside

Code	Hooks	Length m	Width mm	LC T
VI45111.0350-120	One piece	3,5	50	1
VI45111.0450-120	One piece	4,5	50	1
VI45111.0500-120	One piece	5	50	1

Code	Hooks	Length m	Width mm	LC T
VI45112.0350-120	Closed wire hook	3,5	50	1

Heavy haulage trailer 50mm lashing

- Length up request
- Standard features
 - Short side : ratchet + flat sling hook with protection sheath
 - Long side : C50015 hook
 - Upon request : custom endings



C500026



C500027



Textile lifting – Flat slings

WLL kg	Working length m										Width mm	Thickness mm	Weight per m/g	Color
	1	2	3	4	5	6	7	8	9	10				
1000	VELDUP101	VELDUP102	VELDUP103	VELDUP104	VELDUP105	VELDUP106	VELDUP107	VELDUP108	VELDUP109L	VELDUP111	30	6	280	Lilac
2000	VELDUP201	VELDUP202	VELDUP203	VELDUP204	VELDUP205	VELDUP206	VELDUP207	VELDUP208	VELDUP209	VELDUP210	60	6,5	520	Green
3000	VELDUP301	VELDUP302	VELDUP303	VELDUP304	VELDUP305	VELDUP306	VELDUP307	VELDUP308	VELDUP309	VELDUP310	90	7	750	Yellow
4000		VELDUP402	VELDUP403	VELDUP404	VELDUP405	VELDUP406	VELDUP407	VELDUP408	VELDUP409	VELDUP410	120	7	1100	Grey
5000		VELDUP502	VELDUP503	VELDUP504	VELDUP505	VELDUP506	VELDUP507	VELDUP508	VELDUP509	VELDUP510	150	7,5	1500	Red
6000		VELDUP602	VELDUP603	VELDUP604	VELDUP605	VELDUP606	VELDUP607	VELDUP608	VELDUP609	VELDUP610	180	7,5	1900	Brown
8000		VELDUP802	VELDUP803	VELDUP804	VELDUP805	VELDUP806	VELDUP807	VELDUP808	VELDUP809	VELDUP810	240	8	2800	Blue
10 000			VELDUP903	VELDUP904	VELDUP905	VELDUP906	VELDUP907	VELDUP908	VELDUP909	VELDUP910	300	8	3700	Orange
20 000			VELDUP9203	VELDUP9204	VELDUP9205	VELDUP9206	VELDUP9207	VELDUP9208	VELDUP9209	VELDUP9210	300	16	7400	Orange

Double ply flat sling – category 2 EN 1492-1 European standard

- The minimum length of the loops corresponds to 3 times the width of the strap up to 150 mm and 2.5 times the width of the strap greater than 150 mm
- All buckles are folded and protected.
- Flat slings are sewn into 2 load-bearing strips (except flat slings 20 000 kg in 4 strips).



Tree trunk protector strap

WAA0013

Working length m	WLL T
2,4	5

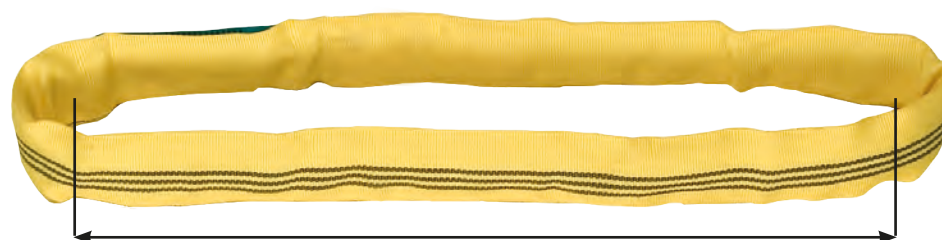


Pictures, drawings and
features non contractual

Round slings

WLL kg	Working length m													Ø mm	Weight per m/g	Color
	1	1,5	2	2,5	3	3,5	4	5	6	7	8	9	10			
1000	VELTUB102	VELTUB103	VELTUB104	VELTUB105	VELTUB106	VELTUB107	VELTUB108	VELTUB110	VELTUB112	VELTUB114	VELTUB115	VELTUB118	VELTUB120	15	270	Lilac
2000	VELTUB202	VELTUB203	VELTUB204	VELTUB205	VELTUB206	VELTUB207	VELTUB208	VELTUB210	VELTUB212	VELTUB214	VELTUB217	VELTUB218	VELTUB220	20	445	Green
3000	VELDUP302	VELDUP303	VELDUP304	VELDUP305	VELDUP306	VELDUP307	VELDUP308	VELDUP310	VELDUP312	VELDUP314	VELDUP316	VELTUB318	VELTUB320	25	560	Yellow
4000	VELTUB402	VELTUB403	VELTUB404	VELTUB405	VELTUB406	VELTUB407	VELTUB408	VELTUB410	VELTUB412	VELTUB414	VELTUB416	VELTUB418	VELTUB420	30	760	Grey
5000	VELTUB502	VELTUB503	VELTUB504	VELTUB505	VELTUB506	VELTUB507	VELTUB508	VELTUB510	VELTUB512	VELTUB514	VELTUB516	VELTUB519	VELTUB520	35	940	Red
6000	VELTUB602	VELTUB603	VELTUB604	VELTUB605	VELTUB606	VELTUB607	VELTUB608	VELTUB610	VELTUB612	VELTUB614	VELTUB616	VELTUB618	VELTUB620	40	1170	Brown
8000	VELTUB802	VELTUB803	VELTUB804	VELTUB805	VELTUB806	VELTUB807	VELTUB808	VELTUB810	VELTUB812	VELTUB814	VELTUB816	VELTUB818	VELTUB820	45	1535	Blue
10 000	VEL-TUB9102	VEL-TUB9103	VELTUB9104	VELTUB9105	VELTUB9106	VELTUB9107	VELTUB9108	VELTUB9110	VELTUB9112	VELTUB9114	VELTUB816	VELTUB9118	VELTUB9120	55	2280	Orange
20 000	-	-	VELTUB9204	VELTUB9205	VELTUB9206	VELTUB9207	VELTUB9208	VELTUB9210	VELTUB9212	VELTUB9214	VELTUB9116	VELTUB9218	VELTUB9220	70	4310	Orange

Our tubular slings are made of wire 100% Polyester High Tenacity. They are ideal for lifting and are used in many situations (U-lift, tie lift, etc.). They are fully compliant with EN 1492-2 with a safety factor of 7/1.



Working length

Endless flat webbing slings

Endless flat webbing sling

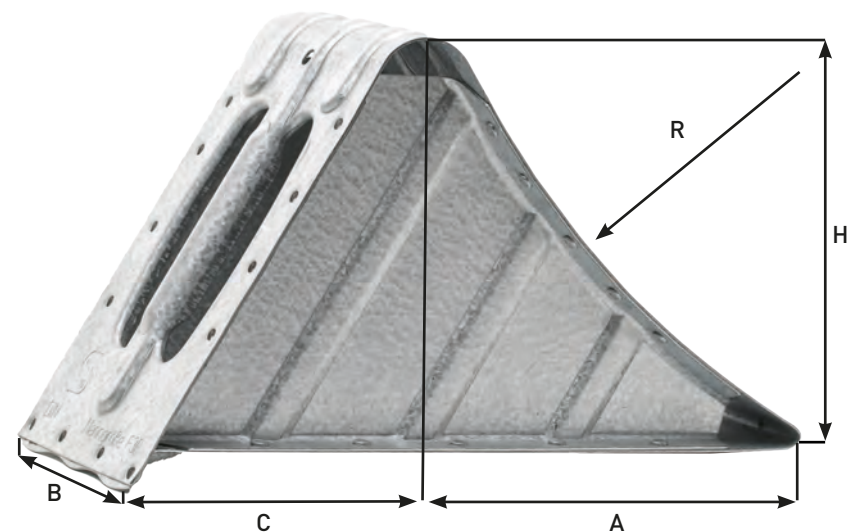
European standard EN 1492-1 – single ply

WLL kg	Working length m											Width mm	Thickness mm	Weight per m/g	Color
	1	1,5	2	3	4	5	6	7	8	9	10				
1000	VELISF102	VELISF103	VELISF104	VELISF106	VELISF108	VELISF110	VELISF112	VELISF114	VELISF116	VELISF118	VELISF120	30	3	200	Lilac
2000	VELISF202	VELISF203	VELISF204	VELISF206	VELISF208	VELISF210	VELISF212	VELISF214	VELISF216	VELISF218	VELISF220	60	3,3	400	Green
3000	VELISF302	VELISF303	VELISF304	VELISF306	VELISF308	VELISF310	VELISF312	VELISF314	VELISF316	VELISF318	VELISF320	90	3,3	550	Yellow
4000	VELISF402	VELISF403	VELISF404	VELISF406	VELISF408	VELISF410	VELISF412	VELISF414	VELISF416	VELISF418	VELISF420	120	3,3	800	Gray



Vehicle recovery accessories

Code	Désignation	Visuel
VJREMFORMPM	Small forged flat hook	
VJREMFORGE2T400	Large forged flat hook	
VJ_REM_22	Galvanized hook	
VET202JREM150	Double legs tow straps with J hooks	
VJ2002-08-170	Double traction chain lashing with J towing hook	



Steel truck wheel chock (sold by 2)

Code	Load kg	A mm	B mm	C mm	H mm	R mm	Weight kg
VCALAL112	6500	320	200	150	230	560	4,3

Pictures, drawings and features non contractual



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