



Instructions

TA

TPV



Treuil autofreiné de levage TA-TPV

Self-braking lifting winch TA-TPV

TA-TPV selbstbremsende Hubseilwinde

Argani auto-frenanti per sollevamento TA-TPV

Cabrestante autofrenable TA-TPV

PU03830
V201803

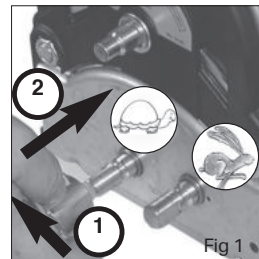


Fig 1

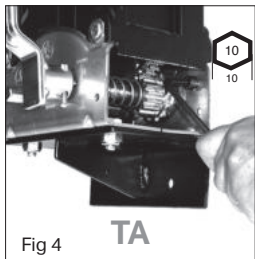


Fig 4 TA

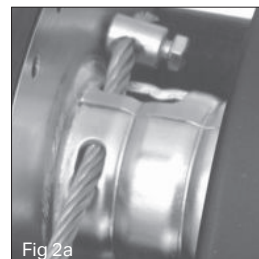


Fig 2a

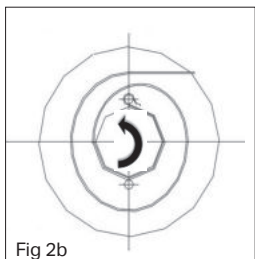


Fig 2b

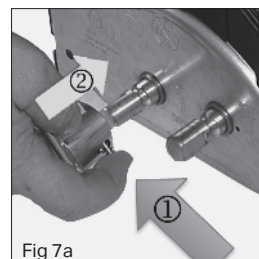


Fig 7a

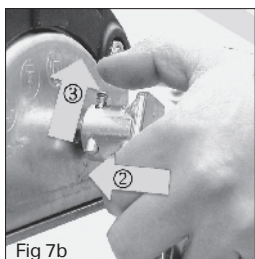


Fig 7b

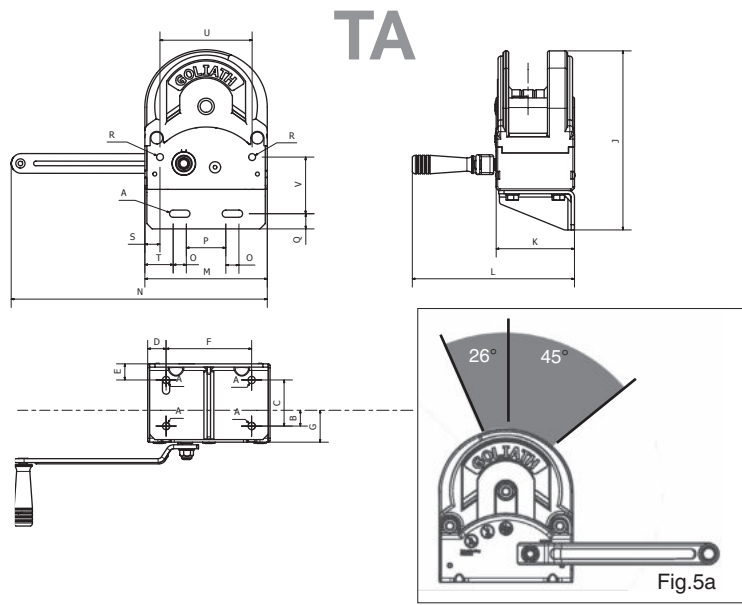


Fig.5a

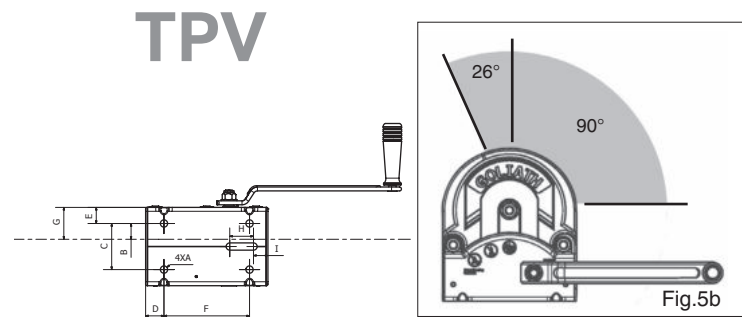
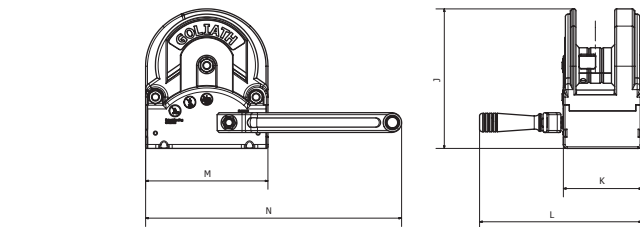
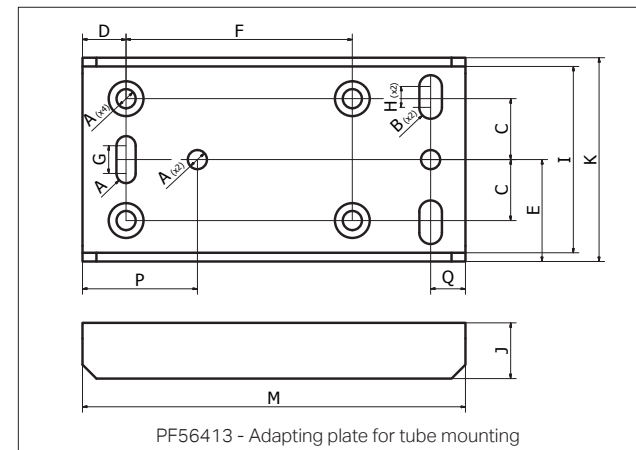


Fig.5b



	TPV900	TPV1200	TPV1600	TPV2200	TPV3000	TA900	TA1200	PF56413
A	11	11	11	11	13	11	11	11
B	24	24	24	24	60,25	24	24	13
C	70	70	70	70	128	70	70	35
D	28	28	28	28	25	28	28	25
E	24,5	24,5	24,5	24,5	24,75	24,5	24,5	58,5
F	130	130	130	130	210	130	130	130
G	48,5	48,5	48,5	48,5	85	48,5	48,5	16
H	36	36	36	36	-	-	-	12
I	22	22	22	22	-	-	-	107
J	212	212	212	212	220,5	272	272	32
K	119	119	119	119	177,5	119	119	117
L	246	273	273	273	335,4	256	273	-
M	186	186	186	186	252	186	186	220
N	390	343	343	343	518,8	390	343	-
O	-	-	-	-	-	20	20	-
P	-	-	-	-	-	60	60	66
Q	-	-	-	-	-	23	23	20
R	-	-	-	-	-	10,5	10,5	-
S	-	-	-	-	-	23	23	-
T	-	-	-	-	-	43	43	-
U	-	-	-	-	-	140	140	-
V	-	-	-	-	-	86	86	-



PF56413 - Adapting plate for tube mounting

Treils non équipés de câble	Winches supplied without wire rope	Seilwinden ohne Seil geliefert	Argani forniti senza cavo	Cabrestantes se suministran sin cable	TABLE 2									
					TA900	TA1200	TPV900	TPV1200	TPV1600	TPV2200	TPV3000			
Charge autorisée: couche supérieure	Lifting capacity: last layer	Zuglassene Hubkraft: obere Seillage	Carico autorizzato: spira superiore	Capacidad nominal: primera capa	PF70902	PF701202	PF70901	PF70960	PF701201	PF701601	PF701660	PF702201	PF702260	PF702000
Charge autorisée: couche inférieure	Lifting capacity: first layer	Zuglassene Hubkraft: untere Seillage	Carico autorizzato: spira inferiore	Capacidad nominal: ultima capa	325 kg	500 kg	325 kg	500 kg	500 kg	560 kg	900 kg	1 040 kg	2 400 kg	1 500 kg
Capacité en charge roulante pente 20%	Rolling load capacity on 20% incline	Zugkraft, rollende Last bei 20% Steigung	Capacità carico rullante pendenza 20%	Capacidad de tracción 20% de inclinación	700 kg	900 kg	700 kg	900 kg	900 kg	1 800 kg	1 800 kg	2 200 kg	3 000 kg	2 400 kg
Ø du moyeu de bobine	Drum Ø	Trommeldurchmesser	Ø del mozzo della bobina	Ø del tambor	54 mm	63 mm	54 mm	63 mm	63 mm	63 mm	63 mm	72 mm	81 mm	81 mm
Ø de câble (recommandé)	Cable-Ø (recommended)	Seildurchmesser (empfohlen)	Ø cavo (raccomandato)	Ø del cable (recomendado)	6 mm	7 mm	6 mm	7 mm	7 mm	7 mm	7 mm	8 mm	9 mm	9 mm
Longueur de câble (possible)	Cable length (possible)	Seillänge (möglich)	Lunghezza cavo (possibile)	Largura del cable (possible)	15 m	10 m	16 m	10 m	10 m	10 m	10 m	10 m	10 m	10 m
Charge minimum de fonctionnement	Min. load for the brake function	Mindestlast für Bremsfunktion	Carico minimo di funzionamento	Carga mínima de funcionamiento del freno	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg
Rapport de réduction	Gear ratio	Untersetzung	Rapporto di riduzione	Relación de engranaje	1/4.85	1/4.85	1/4.85	1/9.71	1/9.71	1/4.85 & 1/9.71	1/4.85 & 1/9.71	1/4.85 & 1/9.71	1/10 & 1/21.77	1/10 & 1/21.77
Longueur de manivelle	Handle length	Handkurbel Länge	Lunghezza della manovella	Longitud della manivella	290 mm	290 mm	250 mm	200 mm	290 mm	290 mm	200 mm	290 mm	290 mm	290 mm
Manivelle	Handle	Handkurbel	Manovella	Manivella	-	-	X	-	X	-	-	-	-	-
Masse du treuil	Weight	Gewicht, ca	Massa dell'argano	Peso neto	X	X	-	-	-	X	-	X	-	X

Use and maintenance of the TA-TPV winches

1. Important operating instructions:
Prior to each use make sure that the handle is locked on its axle and that the winch is in good operating order (Fig.1). Check this as follows : raise the load slightly and release the handle. The load should not get down. Make sure that during all operations the wire rope/webbing strap leaves the winch in an angle that is within the limits indicated in Fig.5a and Fig.5b.
This winch is designed to lift loads on inclined or horizontal grounds. It is important to respect the load capacities indicated in table 2 or on the winch label and not to exceed the maximum capacities. The load is raised or lowered according to the indication on the winch «Up» or «Down». If the handle is operated according to the directions indicated (Down/Up), the load is lowered or raised.
During the lifting operation the operator should hear a regular "clik"-sound coming from the winch. This is an indicator of the good functioning of the winch. In case the sound is inaudible it might be possible that the load brake is not engaged. Turn the handle 2 or 3 turns in the "up" direction to engage the brake system. If the sound is still inaudible after a couple of turns, do not use the winch.
Always keep the hand on the handle while operating the winch in "up" or "down" direction. In order to get the load to a stop at any point and at any time when winching it «Up» or «Down», release the handle or simply stop cranking. Always check for a correct guiding of the cable when being wound up on the drum and that no crossing or pinching of the cable is created.
This winch is self-braking. If the load is to be held longer than necessary for the lifting operation it is important to have an independent safety mechanism installed to hold the load independently from the winch.
Moreover mind the risk of overheating the brake system when lowering loads for a longer time.

2. Cable or webbing strap attachment (version delivered without cable or webbing strap):
According to the different models, our winches are delivered without wire rope or webbing strap, or completely equipped with rope or strap.
Warning : Only use the cable diameter [Table 2] and quality indicated on the winch label (recommended rope quality: 1770N/mm²).
Enter the cable through the clamp provided with the winch. Make sure that the pressure bolt of the clamp has been fully tightened (Fig. 2a) and that the correct sens of the rope/strap on the drum is respected (Fig.2b). Always keep at least 2 windings of the cable on the drum. They should be marked with paint. The cable should be mounted with an initial tension. Make sure that the cable is wound up evenly.

3. Mounting instructions
It is necessary to verify the correct operation of the winch before each use by conducting a commissioning test based upon regional safety standards.
The winch must be fixed with at least three bolts M10, 8.8, and adapted washers on a support adapted to the application. Refer to dimension tables: for TA winch Fig3 and Fig4, for TPV winch Fig.6.
The surrounding operating temperature should be between -10°C and +50°C.

Winch maintenance
- Regularly check wire rope or webbing strap as well as hook condition: if the rope or the strap is split, cut, fold, the strap joint or the locking lever of the hook damaged or not working properly, replace it before use.
- Grease the gears at least once a year and more frequently if the winch is used intensively. To do so, do not disassemble the winch. Make the drum turn and grease the gear structure with a brush. Use grease type molydun n°3790.
Important: never oil or grease the brake and security system.
- Keep the winch in good working order. Damaged or severely worn parts can cause incorrect operation or accidents. It has to be checked at least once a year by an authorized person. The results of this check as well as all intervention on the winch, the rope/strap or the hook have to be recorded in a maintenance booklet.

Spare parts
When replacing parts of the winch it is mandatory to use original spare parts, available at your authorized distributor. The use of all other parts can cause incorrect operation of winch and product liability, and manufacturer will therefore withdraw its product responsibility.
Maintenance operations have to be performed by an authorized distributor

Spare parts (Table 1) : Handle kits and Cable grip kits.

General security and mounting instructions for the TA & TPV winch

Introduction and applications.
The TA/TPV winch is dedicated to lifting applications for hanging or rolling loads on horizontal or inclined grounds (commonly called "pulling").
Important: all these applications are considered to be lifting operations and are regulated by the European Norms for lifting winches.
The winch has to be used according to the manufacturer's operating instructions.
When the winches are supplied without cable nor webbing strap, the user has to make sure that the cable or the webbing strap are fitted correctly on the winch as well as the good working order prior to each use.

General security instructions.
The disrespect of these instructions may cause accidents.
Check the winch before each use. Do not use the winch if you have a doubt on its proper operation. See also user instructions at the back.

Important, it is forbidden (fig.7):
- To lift, support or transport people.
- For people to stand under, behind or on the load.
- To lift loads with a cable line not perpendicular to the drum axle.
- To swing the load during the winching operation;
- To hold the load only with the winch longer than necessary for the operation. In such case put in place an independent system to secure the load.
- To unwind the loose cable and then release the load.

Please observe the following:
- Never use the winch with a fully un-wound cable. Always retain a minimum of 2 turns on the drum. We strongly recommend to mark this limit on the cable.
- Never roll up the cable opposite to the normal rotation direction of the drum - the friction brake will not work.
- Never leave the winch within reach of children or people not familiar with its operation.
- Operate the winch only with its handle. The winch is not designed to be powered by any type of motor.
- Never disassemble or modify the winch
- Never exceed the load capacity indicated on the winch label. Attention: Load capacities indicated in table 2 or on the winch label are nominal capacities. To choose the right winch for your application take into consideration the additional efforts caused by friction or resistance of further system components (pulleys etc).
- Never use the winch with worn or damaged cable or webbing strap. Comply with the recommended wear regulations concerning the cable.

Specific information for fixing the TA/TPV winches:
- The TA winch has imperatively to be fixed on 4 points: 2 points on the support and by 2 points on the winch body (see Fig.3). Use 4 screws M10, quality 8.8.
- The TPV winch has to be fixed by 4 points on the ground plate (see Fig.6).
- Make sure that the wire rope/ webbing strap leaves the winch within the limits indicated in Fig.5a (TA winch) or Fig.5b (TPV winch).
*The TPV2200 winches are equipped with an adapter plate to position when setting up the winch.



Fig 5

TABLE 1	Kit manivelle Handle kit Kit Handkurbel Kits manovella Kit manivela	Kit serre-câble Cable grip Kit Seilklemme Kits serra-cavo Kit sujeción cable	Platine support Support plate Trägerplatte Piastra supporto	Cache noir Black cover Schwarze Hülle Tappo nero	Capot noir Black cover Schwarzes Gehäuse Capot nero
	TPV900	-	-	-	-
TPV1200	PF56416	PF56017	PF56003	-	-
TPV1600	-	PF56018	PF56004	PF56413	PF56429
TPV2200	-	PF56018	PF56004	-	-
TPV3000	-	PF56019	PF56005	-	-
TA900	-	PF56017	PF56003	-	-
TA1200	-	PF56018	PF56004	PF56422	-

