

The original
mechanical splicing systems.



TALURIT™

ABOUT THE COMPANY

The company (Est. 1948) is privately owned and was built-up on a patented solution for mechanical splicing of wire ropes. We have continued to be a pioneering force within this industry, developing effective methods and equipment.

Our company owns trademarks throughout the industrialized world.

BUSINESS IDEA

Talurit Group develop, manufacture, market, and maintain equipment and systems with the highest quality for mechanical splicing of wire and wire rope for wire- and wire rope fabricators worldwide. Through our high standards of efficiency, safety, reliability, and quality we create added value for our customers. By offering in-house design, development and manufacture, we possess a unique position in our market area. This is supported by a wide product range and extensive technical knowledge gained through years of experience and trust. Our service activities are reinforced by the in-house know-how.

OUR PROFILE

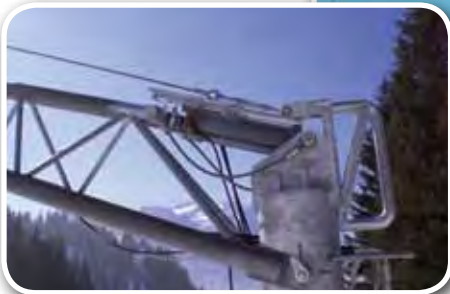
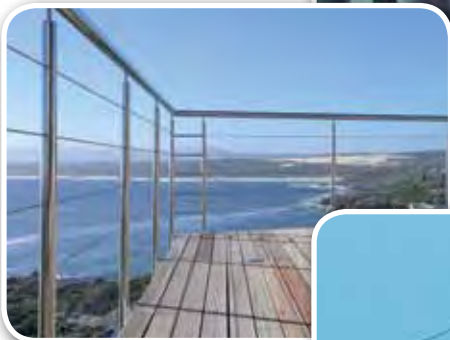
The platform picture best describes our commitment to safety and our unswerving dedication in this regard.

We aspire to the following values:

- No. 1 in our field!
- Service-minded system supplier!
- Best knowledge of mechanical splicing!
- Best quality in the market!

When conditions are severe it is our company customers contact first!





SAFETY AND LIABILITY

Our mechanical splicing systems are 100% reliable and comply with all known requirements and standards. All products are identifiable and fully traceable against material certificates.

As we are responsible for the design, manufacture, sales and after sales service of our product range, we have to ensure total quality control and customer satisfaction.

We have approvals from LLOYD'S, GERMANISCHER LLOYD, BUREAU VERITAS, DET NORSKE VERITAS, etc and certification of these is available upon request. As an added safeguard, we have a product liability insurance of SEK 20 000 000 and a recall-action insurance from the company "If", which protects our customers from third-party actions related to product defects.

AFTER SALES AND SERVICE

Technical details and support for our machines are available at least 30 years from the date of purchase. This service is formalized as part of our quality system.

The total reliability we offer forms a natural basis for cooperation and is an instrument to meet our customer's quality and business requirements.

We welcome you as a customer!



Picture courtesy of Toyplay Ltd.



Photo A-K Sjölund
www.pawofsweden.se

FERRULES AND SWAGING PRODUCTS

Ferrules are developed in different materials in order to cater for a wide variety of applications. The most widely used ferrules are made from aluminium, copper, carbon steel and stainless steel. They are seamlessly extruded over mandrel for added safety. The ferrules are produced according to valid standards and safety requirements and are fully traceable under ISO 9000.

Our folder *Splicing Instructions* explains how to select, assemble, swage, mark, check and test the ferrules, sleeves and fittings. Many international institutions and authorities approve our splicing systems. Details of these are available upon request.

Also other type of swaging products are tested and verified according to valid standards. We provide complete splicing instructions for them as well.

We are also able to provide specially designed wire rope end fittings upon request.



SWAGERS

Our company has more than 60 years of experience from manufacturing Presses/Swagers in the wire rope splicing industry.

The machines range in capacity from 7 ton up to 4200 ton, making it possible to swage aluminium ferrules for nominal wire rope up to 160 mm (6 1/4") diameter and 6" Flemish eye sleeves.

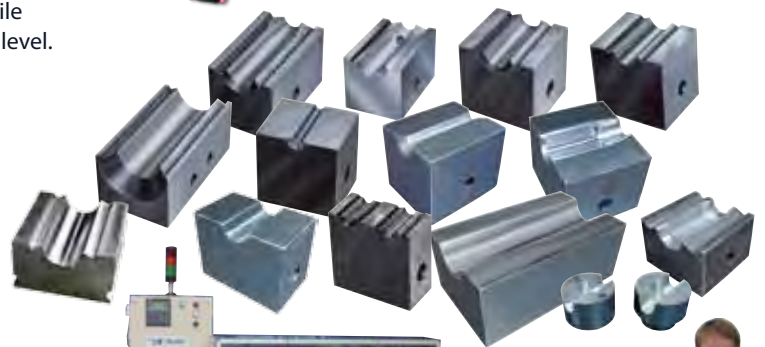
Our machines are designed to achieve safe and efficient mechanical splicing of steel wire ropes with many types of end fittings. We use the very latest techniques in engineering to ensure our manufacturing processes are to the highest quality standard while maintaining cost effectiveness as well as highest possible safety level.



SWAGER DIES AND TOOLS

Swager dies are manufactured from Swedish high quality steel for optimal strength and service life.

In addition to our comprehensive standard range, we can also supply special Swager dies as per customer's specification.



WIRE ROPE CUTTING MACHINES

We have developed a broad range of wire rope cutting machines over the years. These include basic hand cutters, manually operated hydraulic shears, fuse and tapering machines, and many different fully automatic cutting machines.

The automatic cutting machines are very efficient and proven to have short pay back time.

Our machines are manufactured with safety and environmental concerns in mind.





WIRE ROPE HANDLING EQUIPMENT

We can also provide a variety of specially designed machines for any of the following applications:

- Coiling
- Uncoiling
- Measuring
- Marking
- Pre-assembly
- Pre-pressing etc.



These machines are designed to increase safety for the operator as well as reducing the time consuming operations and problems associated with the manual handling of wire ropes.

TENSILE TEST MACHINES

These state of the art machines employ a computer, controlled by software. The machines are operator friendly, employing touch screen technology. The operator can select from the menu, proof test, hold test, tensile test and optionally fatigue test.

The test results are displayed as graphs of load/time and load/elongation on the monitor screen. Upon completion of the test a certificate can be printed out. Certificates are saved and archived for future reference on the computer or internet based.

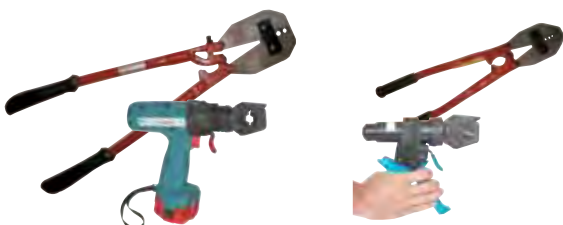
Different kind of wire rope grips are available on request.

All our tensile test benches are individually built to satisfy specific customer requirements and are manufactured to relevant EN/ISO standards.



TOOLS FOR SMALL FERRULES

We can offer a wide range of hand tools for the splicing and cutting of wire rope, manually, electrically or hydraulically operated.



SERVICE AND TRAINING

Product training is available either at our premises or any other agreed site.

We have today service centres in quite a number of countries around the world.

Our skilled technicians are available world wide to assist with product servicing.



The original
mechanical splicing systems.



Ferrules
Sleeves & Fittings

TALURIT™

Aluminium

for steel wire rope size 1-160 (6,3")

Straight ferrules

Ferrules for making turnback eye terminations using steel wire rope cater for a wide development of applications. All our ferrules are produced seamlessly for added safety.



Our largest and smallest ferrule

All aluminium ferrules from size 8 and upwards are fully traceable (ISO 9001) and marked with size, type and manufacturing batch number.

Our Ferrule Securing Instructions details the correct method of swaging, approximate pressure required and ferrule section criteria.

Many international institutes and authorities approve these ferrules. Details available on request.

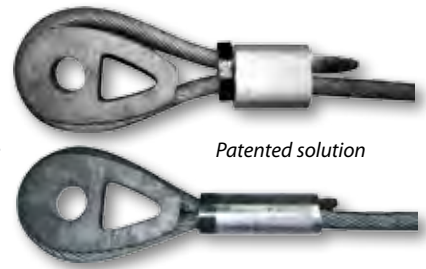


T ferrule (T)

Ultragrip™ (UM)

Round ferrule (R)

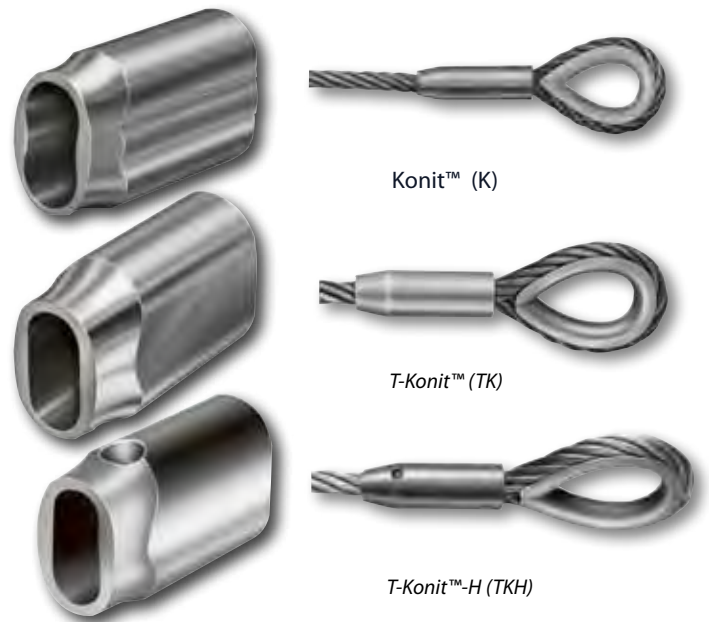
T-LOC is a reinforced aluminium termination. T-LOC prevents the splitting force of a high tensile wire rope of grade 2160. T-LOC is swaged together with the aluminium ferrule.



Patented solution

Conical ferrules

The conical ferrules are tapered at the back to reduce the risk of load snagging. Furthermore, the conical ferrules are elegant and functional.



Konit™ (K)

T-Konit™ (TK)

T-Konit™-H (TKH)

Our TKH has an inspection hole to ensure the short end of the wire rope is correctly positioned after pressing. The ferrule is swaged in a die with a spigot to ensure that the inspection hole remains open after pressing.



TALUKON is a conical ferrule for sling application. It has a very tight fit compared to other conical ferrules on the market. The wire rope termination will not get caught during lifting and will simply slide off an obstacle. This will minimise the risk of accidents.

Patented solution

Copper

for stainless steel wire rope

Stainless steel wire rope requires the use of either copper or stainless steel ferrules. (Aluminium should not be used, due to galvanism wear.) All our copper ferrules are produced seamlessly for added safety.



Carbon steel

for bright and galvanized steel wire rope

Steel ferrules are used for applications where high temperatures and/or abrasion is a factor to be considered. Common examples, the steel melting industry, fishing industry and oil industry.

Ferrules



Terminals

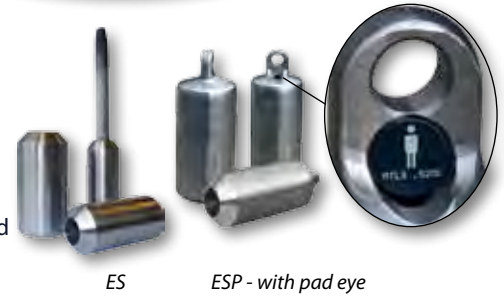


Swage sockets in a large range for different types of wire ropes, including rotation resistant ropes of grade 2160.



End stops

End stops can be marked as per customer request. Designed for the present and future lifting gear industry, these are ideally suited for rotation resistant wire rope. ESP has inspection hole and is prepared for RFID chip.



Sleeves for Flemish eye swaging

These sleeves are used for manufacturing of Flemish eye terminations. We also deliver dies and die holders for Flemish eye swaging.



Stainless steel

for stainless steel wire rope or for bright and galvanized steel wire rope

These stainless steel ferrules are used in fields with high demand for resistance to corrosion and design, e.g. long term use in salt water, use in nuclear power plants, architecture etc.

Ferrules & fittings

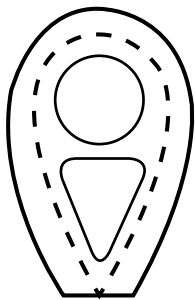


Thimbles

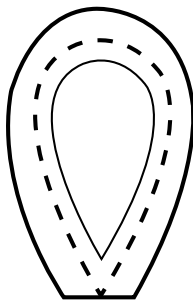
One of the most popular ways to finish the end of a wire rope is to splice it into a loop or an eye; these provide a simple way to attach the wire rope to any anchor point; whilst this is totally acceptable, there may be times when the eye needs more strength and sturdiness; a simple eye splice can be crushed and damaged fairly easily, however if a steel thimble is added into the eye/loop whilst being spliced it will offer more strength, sturdiness and crush resistance.

Thimbles also offer good protection to the wires in the rope, protecting them from wear and kinks; therefore by adding a thimble to your wire rope you can greatly extend its working life.

There are two main kinds of thimbles. The ordinary thimble which is fairly standard, and is appropriate for lighter applications, and then there is the solid thimble, which is more robust and suitable for heavy weight applications. Both types are readily available in a wide range of sizes to suit different diameters of wire rope.



Solid thimble



Ordinary thimble

When the wire rope is terminated with a loop, there is a risk that it will bend too tightly, especially when the loop is connected to a device that spreads the load over a relatively small area. A thimble can be installed inside the loop to preserve the natural shape of the loop, and protect the cable from pinching and abrading on the inside of the loop. The use of thimbles in loops is industry best practice. The thimble prevents the load from coming into direct contact with the wires.



H xx/xx - Solid thimble DIN 3091



*B11000X - Stainless steel thimble
(DIN 6899)*



*HW xx/xx - Galvanized thimble
(DIN 6899)*



*BS 464 thimble
(Heart-shaped galvanized)*



*US Heavy Duty Federal
Specification thimble*



*K2 thimble - Heavy duty stub-end type
(Available in large dimensions)*



*K2-B thimble - Heavy duty stub-end type
with reinforcement
(Available in large dimensions)*

Developing new products

We pride ourselves on constantly developing new ferrules and fittings. We keep up with the pace with our customers demand and are always looking long term into the future improved development of our existing and new product lines.

We have a never-ceasing flow of new projects. New wire rope types and applications alone set out a number of demands. New fitting designs are requested and additional strength limits are needed.

Combining more than 60 years of practical experience with the latest technology our engineers can quickly provide the market with innovations.

Customer dialogue – our inspiration. Our ideas - the customers' tool.

Advisory service

Contact us whenever you are uncertain which ferrule to choose for a specific wire rope and we will guide you.



We are constantly developing new and innovative solutions.

Test your application

We can perform different testing in our own pull test benches handling loads from 0,5 tons, 3-30 tons and 4-65 tons. Example of specimens are wire rope slings, chains/shackles, etc. We can offer proof test, hold test, tensile test and fatigue test (3-30 tons)

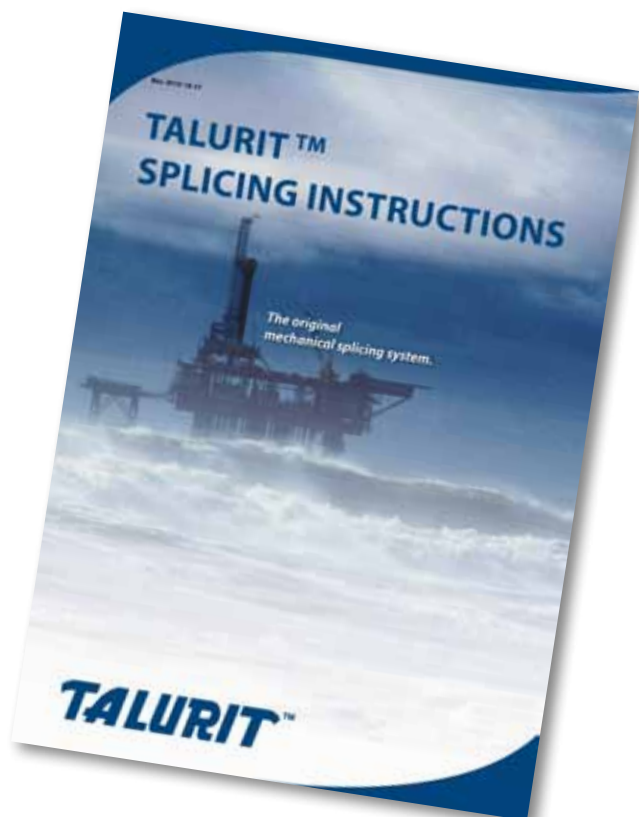
Training

No ferrule is better than its assembly!

We offer training in swaging by following Ferrule Securing Instructions. This training is both theoretical and practical and teaches the operator how to select a ferrule for a specific wire rope, reading the tables and understanding applicable standards. Contact us for more information about training.

Inspection

We make on site inspections of terminations. The inspection can be either your own manufacturing of slings and terminations or assemblies used in your production such as lifting slings. Let us know your needs and we will offer a solution.



Always swage according to Splicing Instructions!

The original
mechanical splicing systems.



GERRO™ Combi Systems

Safety Assured By Professionals Who Care

TALURIT™

GERRO™ COMBI SYSTEMS

GERRO™ COMBI is a world leading system of ferrules to be used together with GERRO™ COMBI combination rope. Investing in aluminium ferrules prolongs the lifetime of the application significantly. The system can be used for many applications such as:

- Protection nets
- Playground equipment
- Fishing equipment
- Stage equipment (theatre etc.)
- Sport and leisure

GERRO™ COMBI is designed to have a smooth surface after swaging and is swaged in special dies with rounded pocket ends.

Refer to data sheet for specific information.

All data about load and required pressure is based on assembly with GERRO™ COMBI combination rope. The maximum load value can vary due to variations in combination ropes. The value is stated in kN, where 30 kN is about 3000 kg.

The number in the article number is a reference of combination rope to be used. E.g. GC16-E is for rope diameter 16 mm.

Eye ferrules

GCxx-E and GCxx-EK

These ferrules are swaged over two rope parts forming an eye. The assembly can be used for different ways of anchoring. A thimble can be incorporated to avoid wear and tear. GCxx-EK is a shorter version of GCxx-E. The ferrules are swaged in press dies with rounded pocket ends.



Aluminium		
Art no.	Max load approx	Required pressure
GC16-E	30 kN	900 kN
GC16-EK	15 kN	450 kN
GC18-E	35 kN	900 kN
GC18-EK	20 kN	600 kN
GC20-E	50 kN	900 kN
GC20-EK	50 kN	850 kN

Bolt-joint ferrules

GCxx-B, GCxx-BK



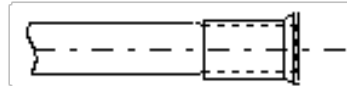
These ferrules are pressed on the end of a combination rope and can be combined with a rod with M10-thread or eyebolt. The main function of these ferrules is to attach the net or other GERRO™ COMBI application to a ground structure. GCxx-BK is a shorter version of GCxx-B.

Aluminium		
Art no.	Max load approx	Required pressure
GC16-B	15 kN	900 kN
GC16-BK	7 kN	450 kN
GC18-B	20 kN	900 kN
GC18-BK	10 kN	500 kN
GC20-B	20 kN	1200 kN
GC20-BK	20 kN	900 kN

T-joint ferrules

GC16-T

The material for this ferrules is galvanized carbon steel. GC16-T is swaged directly on the combination rope as a stop. It can also be used in combination with other net constructing systems. Special dies can change the profile of GC16-T.

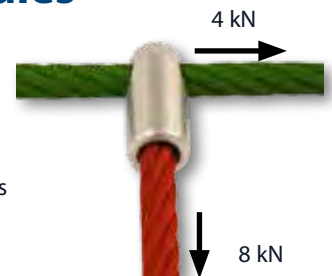


Galvanised carbon steel		
Art no.	Max load approx	Required pressure
GC16-T	10 kN	700 kN

T-cross joint ferrules

GCxx-TCK

GCxx-TCK is a ferrule for making T-cross terminations of combination rope. The design is short and slim. Before swaging, the top rope is secured with a screw. It is swaged in a press die with one rounded pocket end.

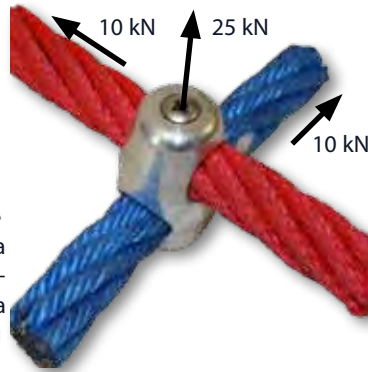


Aluminium		
Art no.	Max load approx	Required pressure
GC16-TCK	4 kN / 8 kN	500 kN
GC18-TCK	4 kN / 8 kN	500 kN
GC20-TCK	4 kN / 8 kN	500 kN

Cross joint ferrules

GCxx-C

GCxx-C is a patented solution to make cross-joints on combination ropes. With specially designed press dies and a special GERRO™ COMBI swager it is possible to press this very slim cross fixing and achieve a very strong compression. Before pressing the ropes are fixed with a screw, which after pressing is non-detachable. The special dies give a very smooth surface and grinding is not required after pressing.



Aluminium		
Art no.	Max load approx	Required pressure
GC16-C	10 kN / 25 kN	70 kN
GC18-C	10 kN / 25 kN	70 kN
GC20-C	10 kN / 25 kN	70 kN

Joint ferrules

GC16-J



GC16-J makes it possible to join two ropes in a special designed press die. The ferrule gets a rounded shape. Two rope ends are placed into the ferrule on each side and are then swaged in an efficient way in a pocket die with rounding in both ends.

Aluminium		
Art no.	Max load approx	Required pressure
GC16-J	15 kN	1 000 kN
GC18-J	20 kN	1 500 kN
GC20-J	20 kN	2 000 kN

Stop ferrules

GCxx-S



GCxx-S is swaged directly on the combination rope as a stop. The ferrule can also be used as a short end joint, like GC16-J, when slim and short ferrules are required.

Aluminium		
Art no.	Max load approx	Required pressure
GC16-S	10 kN	500 kN
GC18-S	15 kN	500 kN
GC20-S	15 kN	500 kN

Other terminations

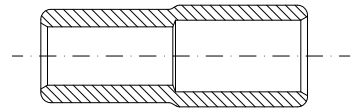
When there is a will there is a way!

GERRO™ COMBI has a large field of application. We know of some, but for sure there are many others. If you have an idea, we can design and test the product. Your benefit is that you can safely use it in the field. The following ferrules are example of custom fit products.

GC16/18-J

GC16/20-J

Looks like GC16-J, but this ferrule combines ropes with two different diameters.



GC16-P

Joint ferrule for parallel ropes.



GC16-F

GC16-F is a connection fitting for combination ropes. With the mounted pin the assembly can then be connected to a wire rope or a snap hook.

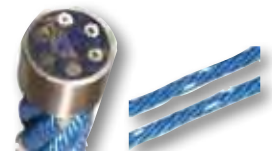


Combination rope

GERRO™ COMBI Combination Rope is a combination of steel and fibre rope. The rope is preformed with right regular lay. It is also UV protected, which aids the colors from fading. Available in diameters 16, 18 and 20 mm.

GCxx-RSP

Steel wire strands are covered with polypropylene split film. Color: Blue with white marking yarns in one strand (PP-Split).



GCxx-RMU

Steel wire strands are covered with Polypropylene (PP) multifilament. Colors: red, blue, green, yellow, black as well as a mix of these.



Special swager for cross joints



UB-10T is a portable swager for GERRO™ Combi and other net applications. Comes with compact power pack.

The original
mechanical splicing systems.



Swagers - small range

TALURIT™

Small range swagers

All our small swagers are designed to achieve safe and efficient mechanical splicing. These swagers are easy to use and cope with many different swaging demands.

The swagers are of open throat design and can be used either vertically or horizontally; bench mounted or free standing, offering total flexibility. They are available in 20,40, 75 and 150 ton capacities.

Range: 20 ton

The 20 ton swager is lightweight and easy to carry. This makes this swager excellent for field work. Only available with hand pump.



20T Swager

Range: 40 ton

The 40 ton swager has a single pillar open design and can be used either vertically, horizontally and upside down. Options such as a stabilizing plate or a tilted adjustable stand are available. The 40 ton swager offers total flexibility and is easy to use in the field due to its light weight and easy operation.



The swager can be fitted with two different models of electrical hydraulic units. The new 40 ton swager can also be fitted with a manual hydraulic unit, P59L-40, for operating the swager. All hydraulic hoses come with quick couplings.

Options for the 40 ton Swager:



Options for the 40T Swager:

- Handle
- Stabilizing plate
- Adjustable stand
- Fixed legs for Hydraulic unit

40T Swager



Basic Hydraulic Unit
(HAGG 1,5/700-X-V1)



Multifunctional Hydraulic Unit
(HAGG 1,5/700-X-V2)



Hydraulic Hand pump
(HAGG P59L-40)



Multifunctional Hydraulic Unit
(HAGG 1,5/700-X-V2)

Range: 75 to 150 ton

The 75 and 150 ton swagers are the most powerful of the small swagers. Due to their swaging force hydraulic units are required. Hydraulic units up to 4,0 kW are relatively the same dimensionally, the 5.5kW unit is much larger in size. The larger the kW motor chosen the quicker the press will operate.

How to operate...

Hydraulic unit

Both the 75 and the 150 ton swagers can be equipped with 3,0 and 4,0 kW units. In addition the 150 ton swager can be fitted with the even more powerful 5,5 kW unit.

An electric foot pedal allows the operator to have both hands free during the swaging operation.

Hydraulic units are delivered with these useful features:

- **Hold position - Pedal**
When activated in the foot pedal the operator can pause the operation to adjust the wire rope assembly.
- **Automatic shut down - PLC**
Resource saving shut down, during a working pause. Easy to start again by pressing the foot pedal.
- **Stroke limiter - Timer**
Efficiency. Opening between dies can be reduced. With a small opening cycle time is shorter.
- **Automatic return - Electric manometer**
Time is saved efficiently! By performing an oil drop test to find the correct pressure and then setting the manometer, the swaging operation breaks once the ferrule is swaged and the piston returns automatically. The operator just presses down the pedal!
(For 5,5 kW units: ferrules from size 8.)



75 ton swager with hydraulic unit



150 ton swager with hydraulic unit

Special designs

When mounted on wagon these comparatively heavy swagers can become mobile and can be used in different workstations both indoor and outdoor.

A special swager is developed for the fishing industry and other net applications. This swager caters to the special requirements when space between fittings is limited. The picture shows the swager mounted on a trolley.



Hydraulic unit 1.5, 3.0 and 4.0 kW

Hydraulic unit 5.5 kW



150 ton swager
for trawl makers

150 ton swager on trolley

SWAGER	P 0020T 1P	P 0040T 1P	P 0075T 1P	P 0150T 1P
Max. swaging force (kN)	200	400	750	1500
Type of die	A	A / A1	B1	B1 / B2
Swaging capacity				
-Single stage (T)	6,5	9	12	16
-Multi stage (T)	10	13	16	20
Dimensions L*W*H (mm)	400x150x160	146x146x340	330x355x525	520x360x665
Weight (kg)	18,7	37	140	425
Handpump	Integrated	P59L-40	-	-



Always swage according to our Splicing Instructions!

HYDRAULIC UNITS for P 0040T 1P		TECHNICAL DATA				
Art No: HAGG 1,5/700-(1-5)		V1	V2	Value	Unit	
Power supply and Nominal current at:	1	3x 220-240/380-415V (50 Hz)	✓	✓	6,1/3,5	A
	2	3x 250-280/440-480V (60 Hz)	✓	✓	6,2/3,6	A
	3	3x 190-200V (50 Hz)	✓	✓	7,2	A
	4	3x 360-415V (60 Hz)	✓	✓	3,6	A
	5	3x 200-250V (60 Hz)	✓	✓	7,2	A
Power		✓	✓	1,5	kW	
Cycle time (Single stage, full stroke)		✓	✓	8	s	
Reservoir volume		✓	✓	3,7	l	
Inlet/Outlet threads on couplings		✓	✓	1/4	inch	
Noise level		✓	✓	65	dB (A)	
Dimensions (L x W x H)		✓	✓	650 x 215 x 310	mm	
Weight		✓	✓	42,5	kg	
Foot pedal		✓	✓	-	-	
Hold position		na	✓	-	-	
Stroke limiter		na	✓	-	-	



40T Swager

HYDRAULIC UNITS FOR P 0075T 1P and P 0150T 1P	HAGG EL 3,0	HAGG EL 4,0	HAGG EL 5,5
Power (kW)	3,0	4,0	5,5
Rated current at 230/400 V (A)	11/6,6	14/8,3	22/12
Piston velocity approx. (mm/s)	75T: 3,5	75T: 5,5 150T: 2,8	150T: - high pressure: 2,7 - low pressure: 10
Reservoir volume (l)	30	30	140
Dimensions L*W*H (mm)	640x420x650	640x420x690	905x600x870
Weight (kg)	91	105	275
Noise level (dB (A))	less than 70	less than 70	72

The original
mechanical splicing systems.



Swagers
Medium range

TALURIT™

Medium range swagers

Our medium range swagers consist of the 300, 500, 600 and 1000T models. The new family of swagers, Model 2S, always starts with a base model. The customer can add desired features, like special die holders, more power or a rigging device. More options are available.

The Swager body is manufactured from one single block construction that ensures strength, long service life and a minimum of maintenance. All swagers are thoroughly test run and supplied with a full tank of oil.

The machine is equipped with a powerful two-stage hydraulic unit controlled by solenoid valves. Operation is very easy since an electric foot pedal permits the operator to use both hands when swaging. In addition to the normal up/down function the foot pedal has a "hold" position to facilitate rope/eye adjustment and to make tool set-up quicker. To optimize and quality secure the operation, the maximum swage load can be pre-set with automatic return of the piston. The start position, (opening between the press dies) is adjustable. All these features save time and unnecessary movements for the operator. When left unused the resource saving automatic shut down will turn off the machine, but is easy to start again by pressing down the foot pedal.



300T 2S Swager



600T 2S Swager



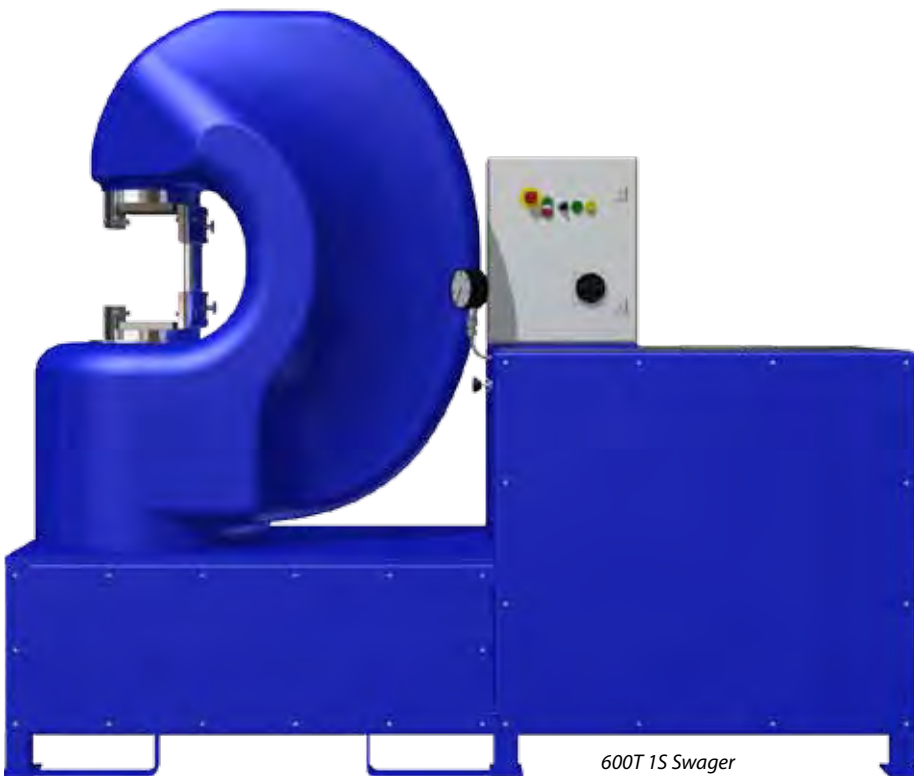
1000T 2S Swager

P 0500T 2S

Our most compact Swager in this capacity range. Pillar guides and an oil cooler is included as standard. It is designed for a convenient long-hour swaging operation suitable for Flemish Eye as well as for turnback and swaged terminals. Thanks to a low sound environment it makes this machine an operator friendly working station. The foot pedal control allows the operator to use both hands and concentrate on the swaging procedure.



500T 2S Swager



600T 1S Swager

P 600T 1S

Our user-friendly, high quality and efficient Swager for turnback and Flemish Eye swaging. The open construction offers an easy access to the swaging procedure when having space consuming swage objects. The swaging procedure can be done with a two hand operation when using the electrical foot pedal.

Standard equipment

Powerful, efficient and very easy to use! The simplicity lies first and foremost in the pedal with hold position. When swaging the operator can pause the closing dies, adjust the wire rope assembly and then resume swaging.

Saving time is essential. The stroke limiter narrows the distance between the dies and thereby shortens the operation. Even the automatic return saves time and unnecessary movements for the operator. Together with the automatic shut down these features save resources.

Environmental care is always in our mind when we launch a new product.

- **Hold position - Pedal**

When activated in the foot pedal the operator can pause the operation to adjust the wire rope assembly.



- **Automatic shut down - PLC**

Resource saving electric shut down. Easy to start again by pressing the foot pedal.



- **Stroke limiter - Timer**

Efficiency. Opening between dies can be reduced. With a small opening cycle time is shorter.



- **Automatic return - Electric manometer**

Time is saved efficiently! By performing the oil drop test to find the correct pressure and then setting the manometer, the swaging operation breaks once the ferrule is swaged and the piston returns automatically. The operator just presses the pedal down!



- **T-Panel/Touch Screen**

The Touch Screen enables the operator to effectively control, interact and monitor all the operating functions and processing variables of the swager in an easy and accessible way.



- **Insert die holders**

Each swager has a standard set of dies. With optional insert die holders even smaller dies can be used. E.g. a 1000 ton swager can use the 300 ton swager's standard dies with insert die holders. There are die holders available for all kinds of block sizes, also for 4"x7" and 5"x7" dies.

- **Zone Guard**

Focus on extreme personal safety. If the hands of the operator come near the closing dies, the machine stops automatically. The diameter of the wire rope is taught in at the operator's panel. The ZONE GUARD measures the diameter continuously. If anything larger, e.g. a hand is within the frame of the ZONE GUARD, the swager stops. Note! Only square mounted die holders are applicable.



ZONE GUARD
mounted on a 600T swager

Your choices

We want to give the customer a custom built swager to fit into specific production. We have therefore developed a swager with several options.

- **Die holder**

The standard die holders for each swager are mounted slightly angular and the dies are locked with bolts. The die holder orientation can be changed to square direction. A special design of die holders for swaging Flemish Eye terminations and sockets, handling the eccentrically applied load, is available as an option. Dies are locked with bolts.



Die holders

- **Power**

Boost the power with a larger POWER PACK to reduce swaging time.

- **Oil cooler**

If the swager is running continuously, especially in warm climate, we are able to offer an additional oil cooler.



Oil Cooler

- **Noise level**

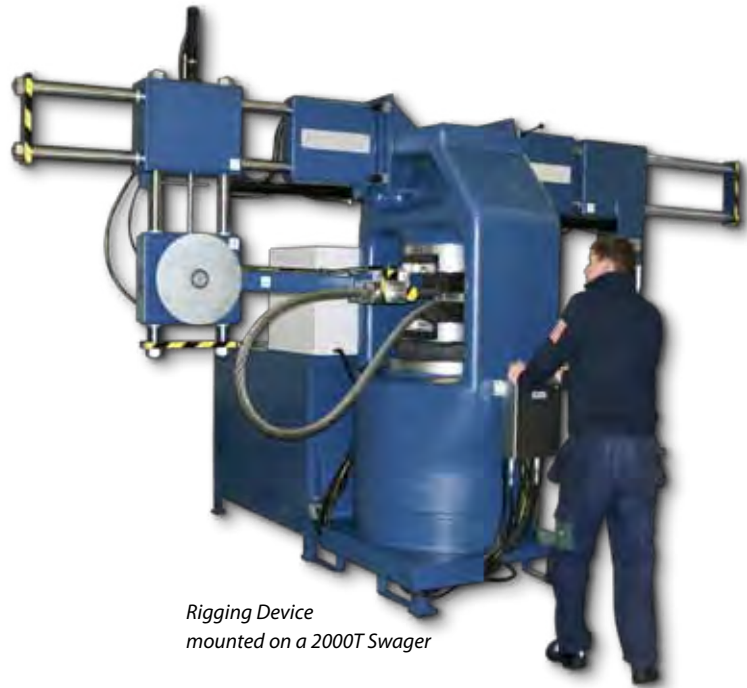
With SILENCER the noise level can be reduced significantly. The power pack is completely built-in with noise reducing steel plates.

- **Adjustable height**

The standard working height can be adjusted with adjustable feet.

- **Rigging device**

Mechanical assistant for forming of turnback terminations. Even thimble assembly is easily and safely performed! It has both rotating and pulling parts. Note! Only square mounted die holders are applicable.



*Rigging Device
mounted on a 2000T Swager*

SWAGER	P 0300T 2S	P 0500T 2S	P 0600T 1S	P 0600T 2S	P 1000T 2S
Max. swaging force (kN)	3000	5000	6000	6000	10 000
Type of die	C + C1 (B1 with insert die holders)	D alt. 4"x7", 5"x7" (C, C1, 2"x3½", 2½"x5" with insert die holders)	D alt. 4"x7", 5"x7" (C, C1, 2"x3½", 2½"x5" with insert die holders)	D alt. 4"x7", 5"x7" (C, C1, 2"x3½", 2½"x5" with insert die holders)	E + E1 (C, C1, D, 4"x7", 5"x7", 2"x3½", 2½"x5" with insert die holders)
Swaging capacity -Single stage (T)	24	32	34	34	44
-Multi stage (T)	30	40	40	40	66
STT Sockets/Terminals (carbon steel)					
- Full shank	5/8"	7/8"	7/8"	7/8"	1"
-Progressive		1 1/8"	1 1/4"	1 1/4"	1 1/2"
TAL-X Flemish Eye sleeves (carbon steel)	7/8"	1 3/8"	1 1/2"	1 1/2"	2 1/2"
Dimensions L*W*H (mm)	1630x620x1575	1140x670x1780	2230x720x1910	1975x720x1865	2350x870x1960
Weight (kg)	1100	1600	4100	2100	4100

Values above are approximate guidelines

*Always swage according to our
Splicing Instructions!*

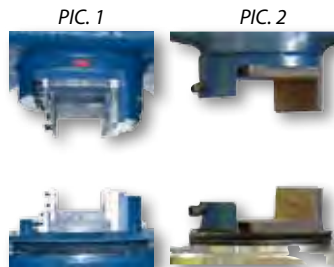


Die holders

All die holders are bolted onto the swagers. The placement, if they are square or angular, type of locking and if they are made for centric or eccentric load varies with the different swagers and swaging procedures.

Square/Angular setting

Die holders are often mounted square to the swager. For 1-pillar swagers the die holders are turned 90 degrees compared to PIC 1. Angular setting, PIC 2, is the most common setting for medium sized swagers, since it allows ample working space.



Locking of dies

The locking mechanism differs with the various die holders. Small die holders have one bolt for each die. Larger swagers have one or two guiding pins as well as bolts.

The 600-tons swager has guiders to slide the dies into position.



Centric or eccentric load

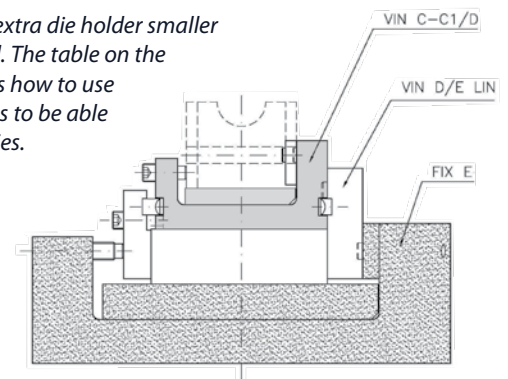
Dies in most applications are placed right above the piston in the centre, which gives even weight distribution.

For other applications such as Flemish eye swaging the load is sometimes applied eccentrically. To protect the swager from abnormal wear, a die holder with pillar guides is recommended.

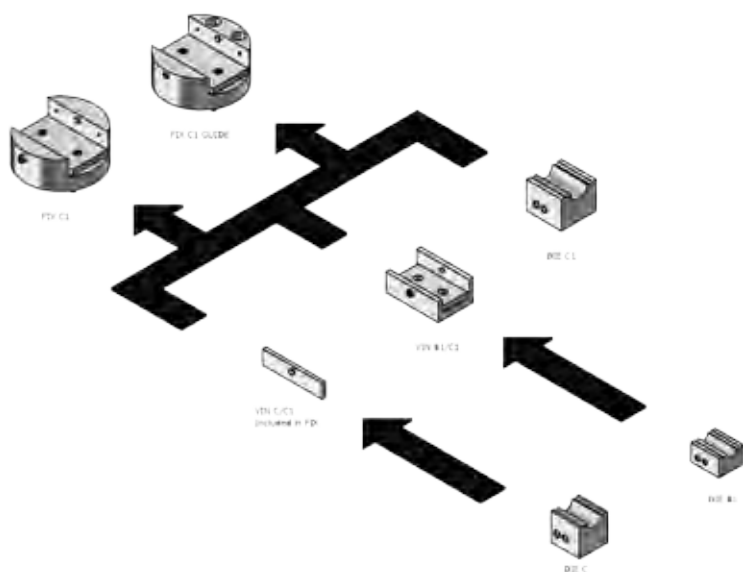


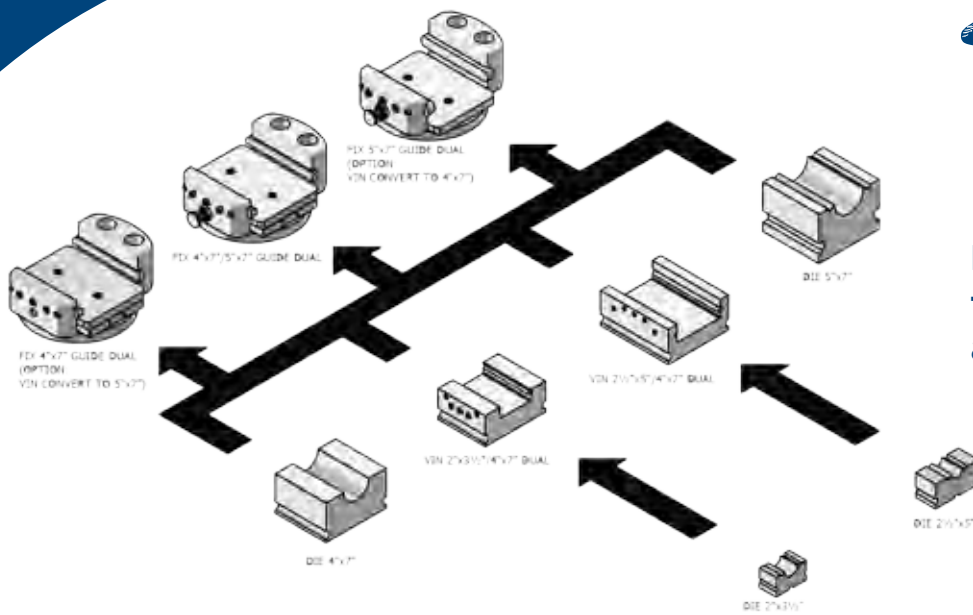
Insert die holders

By inserting an extra die holder smaller dies can be used. The table on the next page shows how to use insert die holders to be able to use smaller dies.



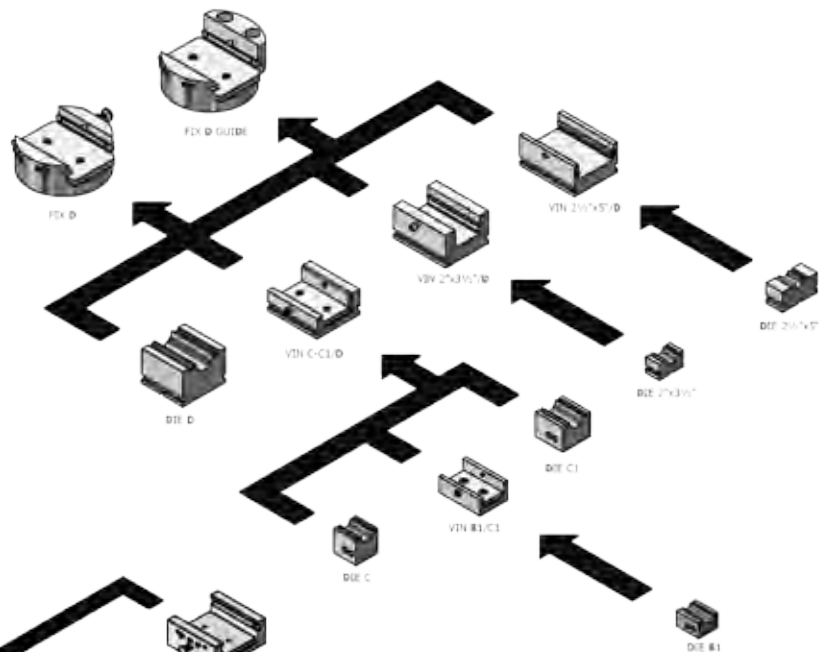
Die holders and Dies for the 300T 2S Swager



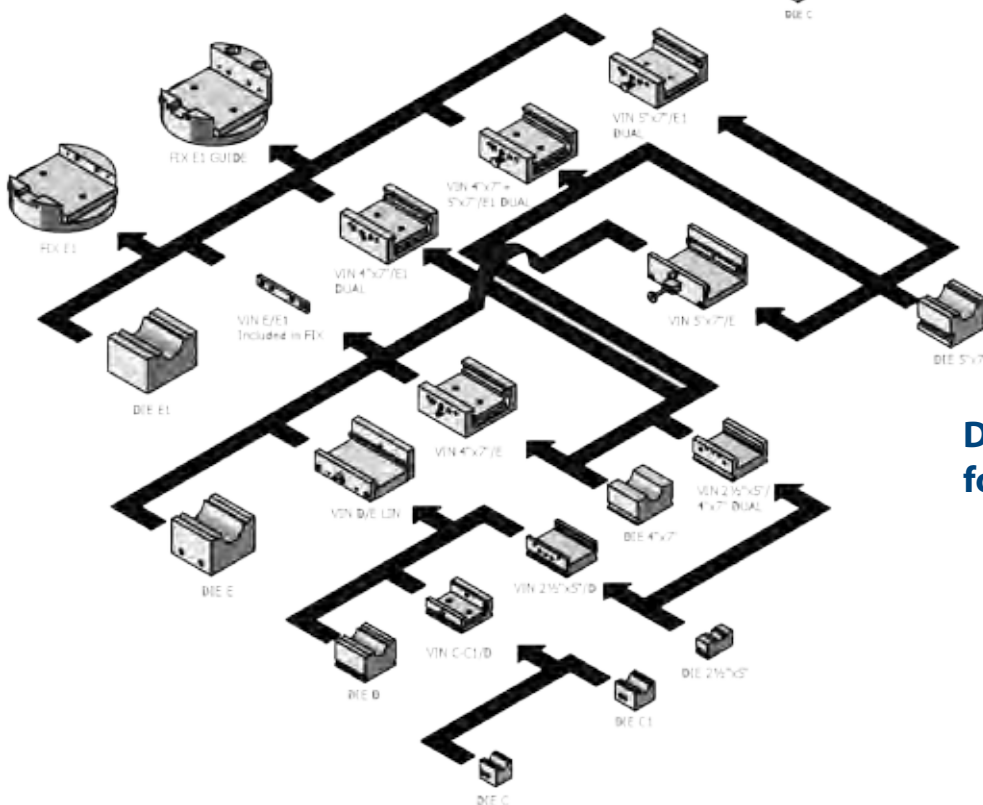


Die holders and Dies for the 500T 2S, 600T 1S and 600T 2S Swager

Die holders and Dies for the 500T 2S, 600T 1S and 600T 2S Swager



Die holders and Dies for the 1000T 2S Swager



The original
mechanical splicing systems.



Swagers
Large range

TALURIT™

Large range swagers

Our large swagers are designed to handle the largest wire rope. With optional equipment like rigging device to form the eye and lifting yoke to change dies a single operator can manage the whole operation!

Despite their size the noise level of these machines is only 74 dB (A).

The Swager body is manufactured from one single block construction that ensures strength, long service life and a minimum of maintenance. All swagers are thoroughly test run and are supplied with a full tank of oil.

The machine is equipped with a powerful two-stage hydraulic unit controlled by solenoid valves. Operation is extremely easy since an electrical foot pedal permits the operator to use both hands when swaging. In addition to the normal up/down function the foot pedal has a "hold" position to facilitate rope/eye adjustment and to make tool set-up quicker. To optimize and quality secure the operation, the maximum swage load can be pre-set with automatic return of the piston. The start position, (opening between the press dies) is adjustable. All these features save time and unnecessary movements for the operator. When left un-used the resource saving automatic shut down will turn off the machine, but is easy to start again by pressing down the foot pedal.

Soft starter is standard for these large machines.

With insert die holders even smaller dies can be used. To compensate the weight of a smaller lower die, the valve house can be adjusted to prevent the piston from drifting.



4200 ton swager



2000 ton swager



Ample working space

Standard equipment

Powerful, efficient and very easy to use! The simplicity lies first and foremost in the pedal with hold position. When swaging the operator can pause the closing dies, adjust the assembly wire rope and ferrule and then resume swaging.

Saving time is essential. The stroke limiter narrows the distance between the dies and thereby shortens the operation. Even the automatic return saves time and unnecessary movements for the operator. Together with the automatic shut down these features save resources. Environmental care is always in our mind when we launch a new product.

- **Hold position - Pedal**

When activated in the foot pedal the operator can pause the operation to adjust the wire rope assembly.



- **Automatic shut down - PLC**

Resource saving electric shut down. Easy to start again by pressing the foot pedal.



- **Stroke limiter - Timer**

Efficiency. Opening between dies can be reduced. With a small opening cycle time is shorter.



- **Automatic return - Electrical manometer**

Time is saved efficiently! By performing an oil drop test to find the correct pressure and then setting the manometer, the swaging operation breaks once the ferrule is swaged and the piston returns automatically. The operator just presses the pedal down!



- **T-panel/ Touch Screen**

The Touch Screen enables the operator to effectively control, interact and monitor all the operating functions and processing variables of the swager in an easy and accessible way.



Rigging device, RBS

Traditional swaging with large diameter wire rope has required a handful of people to assist the swaging.

Acting as a mechanical assistant, the RBS is the best way to deal with the heavy, labour intensive, time consuming and, sometimes dangerous work of forming a sling eye using large diameter wire rope. As it is directly mounted onto the swager, (with the dies already holding the ferrule in place), it is very effective and cost efficient, allowing a single operator to easily and safely handle the whole operation. This tool also simplifies the whole process by putting emphasis on sling eye shape and accuracy.



Rigging Device mounted on a 3 700 ton swager

Place the ferrule between the press dies and apply just enough pressure to hold it in place. Using the hydraulic controls the wire rope is drawn between the gripping plates of the pulling part, through the ferrule and then into the gripping plate of the rotating part. This section of the unit forms the sling eye and directs the wire rope end back through the ferrule. The pulling part then easily tightens and finally shapes the eye to the correct size. The wire rope is now set for swaging.

When not in use the RBS unit can be neatly folded to the side to save space.

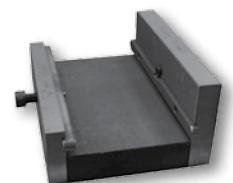
Die holder with pillar guide

Recommended when swaging Flemish eyes, terminals and sockets due to eccentric load.



Insert die holder

These are used when swaging with smaller dies than standard dies.



VIN D/E LIN

Your choices

Lifting table

The table works as the Lifting yoke, but uses a forklift instead of a crane.



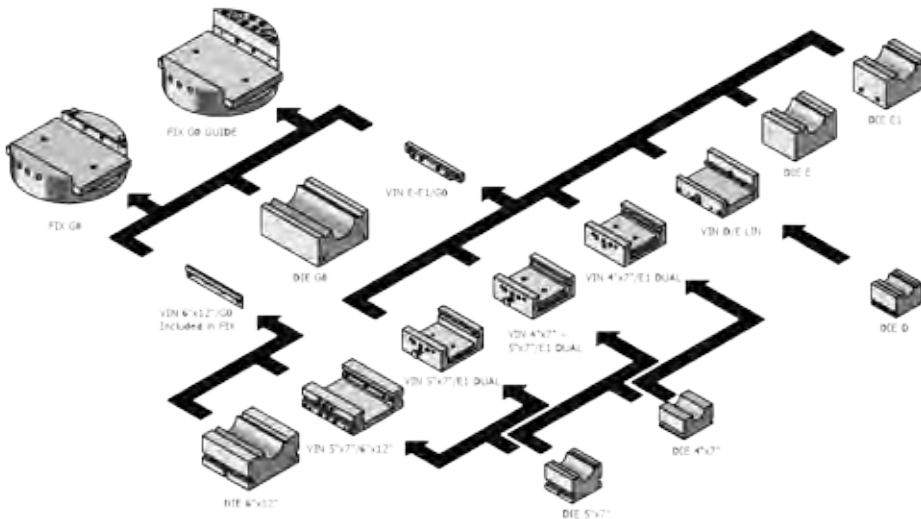
Die Rack

The rack for dies is designed for storage and easy accessibility, especially when using the Lifting yoke or the Lifting table.

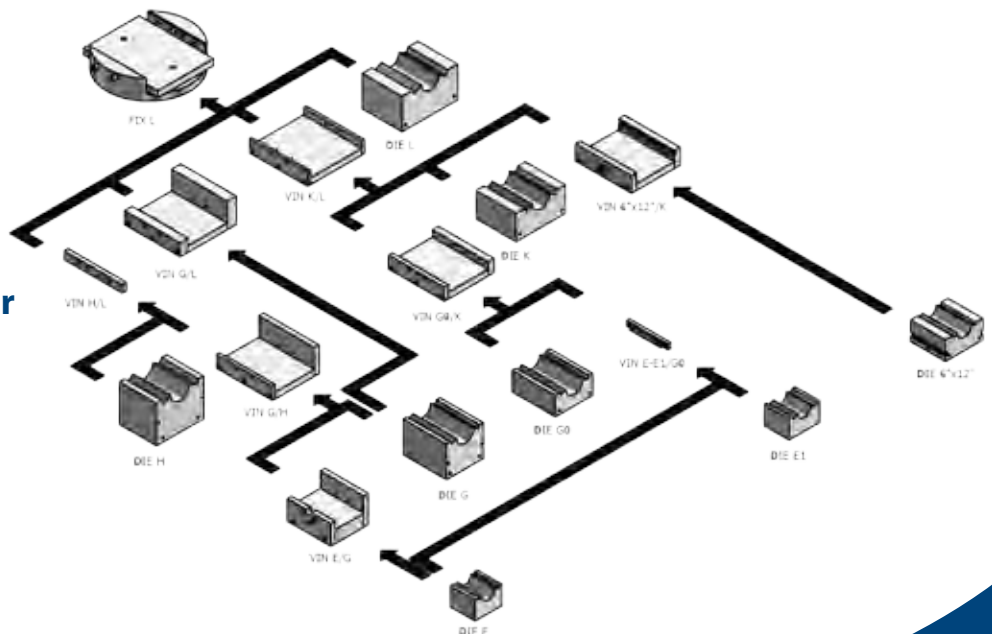


Values above are approximate guidelines

*Always swage according to
Splicing Instructions!*



Die holders and Dies for the 2000T 2S Swager



Die holders and Dies for the 3700T 2S Swager

The original
mechanical splicing systems.



Rigging devices

TALURIT™

Rigging Devices and prepressing machines

The RBS is a mechanical assistant for forming of turnback terminations. It is the best way to deal with the heavy, labour intensive, time consuming and, sometimes dangerous work of forming a sling eye using large diameter wire rope.

As it is directly mounted onto the swager, (with the dies already holding the ferrule in place), it is very effective and cost efficient, allowing a single operator to easily and safely handle the whole operation. This tool also simplifies the whole process by putting emphasis on sling eye shape and accuracy.

Even thimble assembly is easily and safely performed! The RBS has both rotating and pulling parts. Note! Only square mounted die holders are applicable.

FPM 50



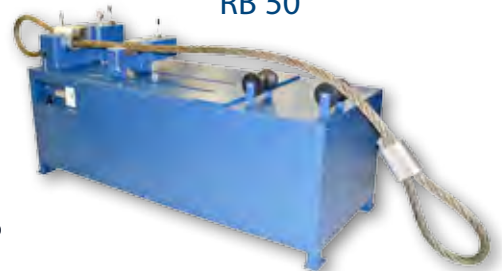
This all-round machine can be a pre-pressing machine, marking machine, cutting machine or a swager, all depending on the requirements of the customer. It is perfect for small and medium sized rigging shops.

1000T swager with RBS 75



The self-contained Rigging Bench simplifies the heavy mounting work with turnback ferrules T18 up to T52 or equal sizes in UM-type ferrules. Several men were required previously during the mounting of ferrules on heavy wire ropes and the press often became blocked when this was used to secure the ferrule when the loop was made.

RB 50



2000T swager with RBS 100



3700T Swager with RBS 130

The original
mechanical splicing systems.



Special Machines
for cold forming

TALURIT™

Rod presses

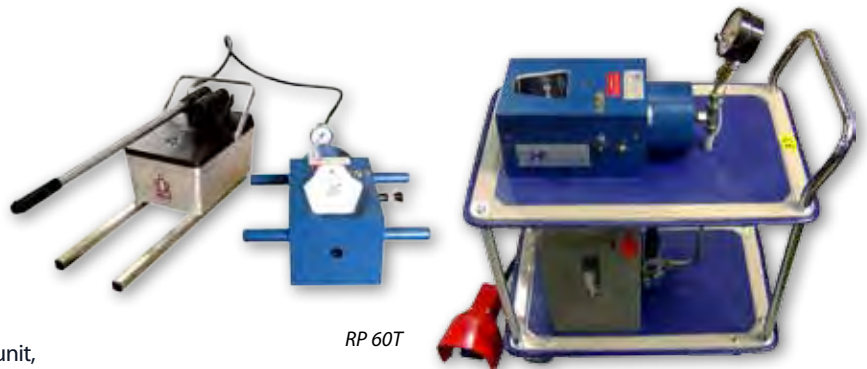
These rod presses can cold form rods and terminals/studs in the same direction as the shaft or rod.

Operation is easy as the rod is placed in the rod press with a die half on each side and the dies are put in a conical die holder. The rod must protrude from the dies and a rod fixing sleeve is mounted on the external part of the rod to ensure that the length stays the same. When powered by a hydraulic unit, the electric foot pedal is pressed and the clamping piston moves forward to press the dies together in the die holder and thereby clamping the rod. When the correct clamping pressure is obtained, the cold forming piston moves forward to form the rod. The piston returns when the foot pedal is released, the dies are pushed forward and to the side to remove the rod.

The shape of the rod/head is determined by tools and can be designed as per customer's request.

Portable and moveable Rod presses are usually used in Harbor areas by Yacht Club rigging shops.

Industrial Rod presses are often used in in-line process manufacturing stations and communicates with robots.



RP 60T



RP 260T



Samples of cold formed products



Control unit with touch screen

RPP 400T

RPS 260T

Roller Swagers

A100

A perfect machine for swaging on-site.
Low weight and small outer dimensions
makes it extremely portable.

Swaging Range: 1,6-5 mm wire.



A 100

A200

A perfect machine for swaging on-site.
Low weight and small outer dimensions makes it
extremely portable.

Swaging Range: 1,6-8 mm wire.



A 200

A270

A perfect machine for swaging on-site.
Low weight and small outer dimensions
makes it extremely portable.
Rigging screws can be swaged assembled.

Swaging Range: 2,5-12 mm wire.



A 270

A350

A perfect machine for line production, the low weight
and small outer dimensions still makes it extremely portable.
Rigging screws can be swaged assembled.

Swaging Range: 2,5-16 mm wire.

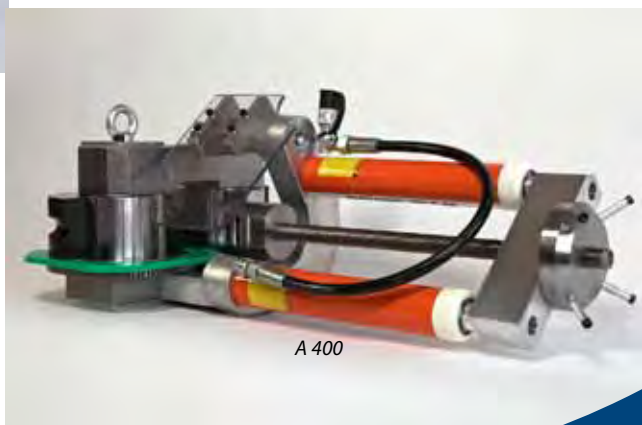


A 350

A400

A perfect machine for swaging on-site.
Low weight and small outer dimensions
makes it extremely portable.
Rigging screws can be swaged assembled.

Swaging Range: 8-28 mm wire.



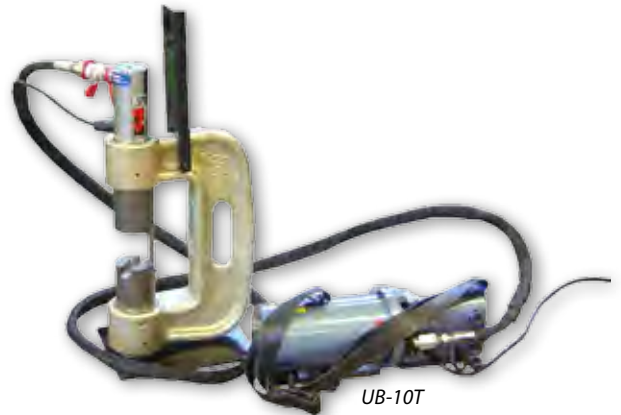
A 400

Special presses

UB-10T portable Swager

The UB-10T has a maximum swaging capacity of 7 ton (70 kN). It is of single pillar open-throat design, making swaging easy. The Swager can be used either vertically, bench mounted, free standing or hanging. The main purpose of this machine is for special applications with narrow space (e.g. net making).

UB-10T is suitable for swaging GERRO™ COMBI and Cross-joints. T- ferrules up to size 3,5 as well as R, RCU and TCU up to size 3 (using press dies type A) can be swaged with optional insert die holders.



UB-10T

C-RHU52 - portable hydraulic swager

C-RHU52 is a portable hydraulic swager with a maximum swaging capacity of 52 ton (520 kN). The main purpose of this machine is for special applications with narrow space (e.g. net making). The swager comes complete with metal case.

Weighing only 18 kgs (complete with die) the swager is ideal for on-site use. When fixing ready-made nets the head can be opened for easy access.

C-RHU52 Portable hydraulic swager is suitable for swaging GERRO™ COMBI.

The optional portable electro-hydraulic pump (S052BPUMP) is operating via 24V battery (3,3 Ah) or external 24V DC supply.



C-RHU52

S052BPUMP - Optional portable pump

Hand tools

Examples of different kind of hand tools for swaging



Mini XL - Crimping tool



KW-D31



KW-C130-26



STG - Sailor's tongs



STGL - Sailor's tongs



STGS - Sailor's tongs



KW-BPL-062



KW-BPP-130-26



KW-BPL-031

The original
mechanical splicing systems.



Swaging Dies



TALURIT™

Ferrules, sleeves and sockets require individual press dies depending on material and dimension. We develop and manufacture standard and special dies to cater for all possible swaging demands. Dies are fabricated in different block sizes to fit our various swagers. The smallest swager use block size A and the largest swager use L.



Dies in die holders

The dies are mounted in the die holder of the swager.

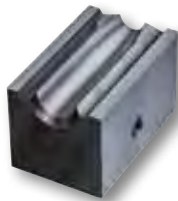
Smaller block sizes than standard can be fitted to the swager by using insert die holders. These compensate the gap between the smaller dies' size and the original one.

Dies

Our dies are manufactured from high quality steel for optimum strength and service life. In addition to our comprehensive standard range we are also able to supply special dies to customer specification.

Conical press dies (Universal type).

These Universal type dies are used to press conical ferrules type TK and K. In addition they will also cater for the straight cylindrical T, TCU, UM and R type ferrules.



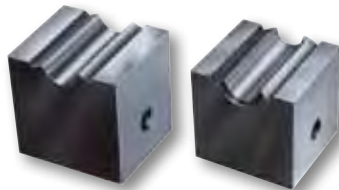
Conical press dies with special spigot

to swage TKH ferrule or TALUKON. Can be removed and replaced with a blanking-off bush for standard type ferrules. These dies are mainly for aluminium and copper ferrules.



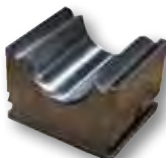
Cylindrical press dies

with "rounding" or straight form for cylindrical ferrules type T, UM, TCU and R.



Several stage dies

are used when the press capacity is not enough to close the standard dies in one stage. These straight through stage dies are for type T, UM and TCU cylindrical ferrules.



Combined dies

available in large die block sizes for use in medium to large presses. Type A, B1, C and C1 block size

Nos. 1+1,5 2+2,5 3+3,5

Type C block size

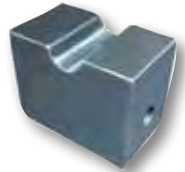
Nos. 1+1,5 2+2,5 3+3,5 4+4,5 5+6



Dies for TAL-X sleeves

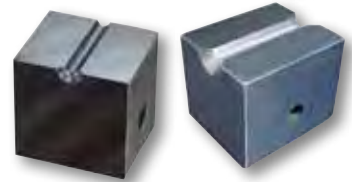
in carbon steel for Flemish eye terminations.

Dies (cylindrical) for steel ferrules
type ST, STD, STS and INOX.



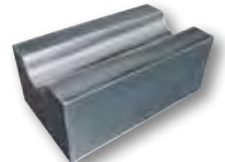
Dies for terminals

in carbon and stainless steel. Both in round as well as hexagonal form.



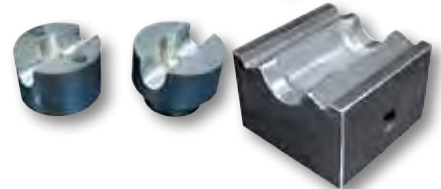
Dies for swage sockets and end stops

intended for carbon and steel sockets as well as special sleeves.



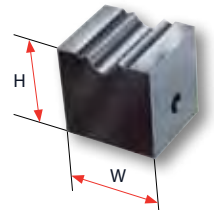
Special dies

Press dies for pressing customer specified special fittings.



Dies in other sizes

Available on request both in mm and inch sizes. Also specials like hexagonal shape of bore is available.



Dies Block size	Basic Dimensions		Intended for swager
	Height (mm)	Width (mm)	
A	38	42	18T, 22T*, 25T*
B*	48	50	50T*
B1	48	70	75T, 100T, 150T
B2	50,2	70	100T, 150T
C	78	80	250T* and 300T
C1	78	100	250T* and 300T
D	110	156	500T* and 600T
E	150	220	900T* and 1000T
E1	150	250	900T* and 1000T
F	200	250	1500T*
G	250	300	2000T*
G0	152,4 (6")	304,8 (12")	2000T
H	300	380	2500T* and 3000T*
K	200	400	3700T
L	250	450	3700T
2"x3½"	2" (50,8)	3½ (88,9)	600T**
2½"x5"	2½" (63,5)	5" (127)	600T, 1000T**
4"x7"	4" (101,6)	7" (177,8)	600T, 1000T**
5"x7"	5" (127)	7" (177,8)	600T, 1000T**
6"x12"	6" (152,4)	12" (304,8)	equal to G0, 2000T**

* old type

** and larger with insert die holder.

The original
mechanical splicing systems.



Cutting
Machines

TALURIT™

Cutting Machines

Our cutting machines are mainly intended for cutting preformed wire rope. The square cut is achieved by shears or disc cutting. We have a wide range of manual and automatic machines to choose from.

The ideal machine can be chosen depending on the amount of cutting required and the wire rope diameter range.



Manual Cutters

LK 26 and LK 40

The LK 26 and LK 40 hydraulic shear cutting machines are ideal for cutting wire rope in a safe and clean way. The machines are designed for efficiency and are very economically priced.

Capacity of ordinary single layer round strand rope grade 1 960:

LK 26: up to Ø 26 mm wire rope

LK 40: up to Ø 40 mm wire rope

The open design allows for quick and easy insertion resulting in speedy operation. Equipped with an automatic shut down after the cutting operation. The machines are easily started again by pressing the foot pedal. This 'green' measure saves valuable resources and allows for a quieter work environment.

The vertical model with stand as picture below is our 'normal' model. There are different options available.

On wagon for easy cutting close to floor, machine can be mounted either vertically or horizontally.

With bench attachment, giving a stable base when operating.



LK 26 on stand

LK 40 on stand



Tilted head

On wagon

CC 9526

The CC 9526 is a low weight cutter designed to cut wire rope up to Ø 26 mm (depending on wire rope type and grade).

It is hydraulically operated with a maximum pressure of 700 bar and is supplied for single acting operation.

The wire rope cutter is used together with our portable electrical pump (HAGG 7002) and is very easy to operate with a switch on the handle.



CC 9526

Capacity of ordinary single layer round strand rope grade 1 960:

CC 9526: up to Ø 26 mm wire rope

LKS 60

The machine uses a disc to cut. Combined with MA 40 it can measure the length of the cut wire rope.

Capacity of ordinary single layer round strand rope grade 1 960:

LKS 60: up to Ø 60 mm wire rope

The transparent protecting cover in the front stops flying sparks. The cutter is also prepared for connection to an exhaust system.



LKS 60 with optional measuring unit MA 40

Automatic Cutters

Our automatic cutters are mainly designed for larger volumes and serial production. Shears perform the cutting operation. All of our cutters have measuring units, which enables the machine to cut the correct length. The smooth start and retardation of the feeding unit contribute to accurate cutting.

The wire rope is fed through the machine into a tube. When the rope is cut, the tube opens and the rope falls out.

Both the tube and feeding units are operated hydraulically with a low noise level. Compressors are not included.

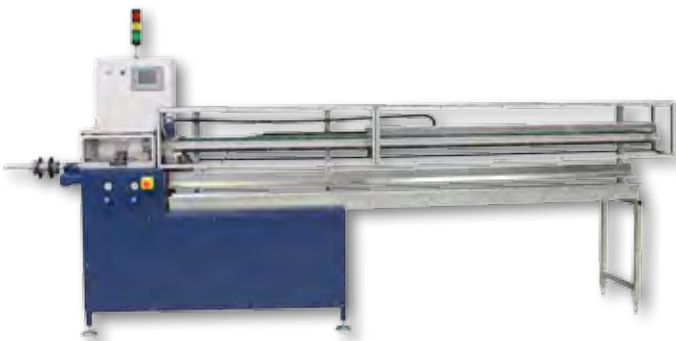
LKA 06

With a feeding speed of 100-1000 mm/sec this is a high performance production machine. Maximum cutting length for the standard machine is 1 m. With optional additional tube the total length can be 5 m. A wire rope drum of maximum 75 kg can be mounted in the drum holder.

The accuracy of the cut is ± 2 mm.

Capacity of ordinary single layer round strand rope grade 1 960:

LKA 06: Ø 1-6 mm wire rope



LKA 10 PS

With a feeding speed of 0-400 mm/sec this machine can with the standard equipment cut wire rope up to 6 m. The accuracy of the cut is ± 1 % of measured length.

Capacity of ordinary single layer round strand rope grade 1 960:

LKA 10 PS: Ø 3-10 mm wire rope



LKA 10 PSM

Same type of machine as LKA 10 PS, but equipped with a labeling unit. Special software allows batch cutting with different lengths. Labeling unit puts labels on every cut piece of wire rope.

Capacity of ordinary single layer round strand rope grade 1 960:

LKA 10 PSM: Ø 3-10 mm wire rope



LKA 28-PS

This is the larger version of LKA 10 PS, designed to cut larger diameter wire rope. Cutting speed is the same and the standard guiding tube length is 3 m. Optional tube sections of 3 m each can be added.

The accuracy of the cut is ± 1 % of measured length.

Capacity of ordinary single layer round strand rope grade 1 960:

LKA 28-PS: Ø 5-28 mm wire rope

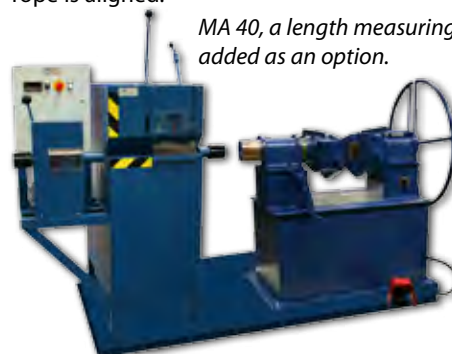
Note! Optional equipment allows Ø 3-4 mm to be cut.



VGK 60B

This combination of LKS 60 and AV 40, annealing machine, provides different types of cuts of wire rope. Centre line of wire rope is aligned.

MA 40, a length measuring unit, is added as an option.



The original
mechanical splicing systems.



TALURITTM

Annealing Machines

Our annealing machines do not use shears or hydraulic cutters, the wire rope is twisted off by annealing. Current is applied to heat the wire when the rope is clamped. When the rope is red hot; it is then twisted. After twisting, the rope is slightly rounded and the wires will not unwind. Please compare the annealed and the square cut ends below

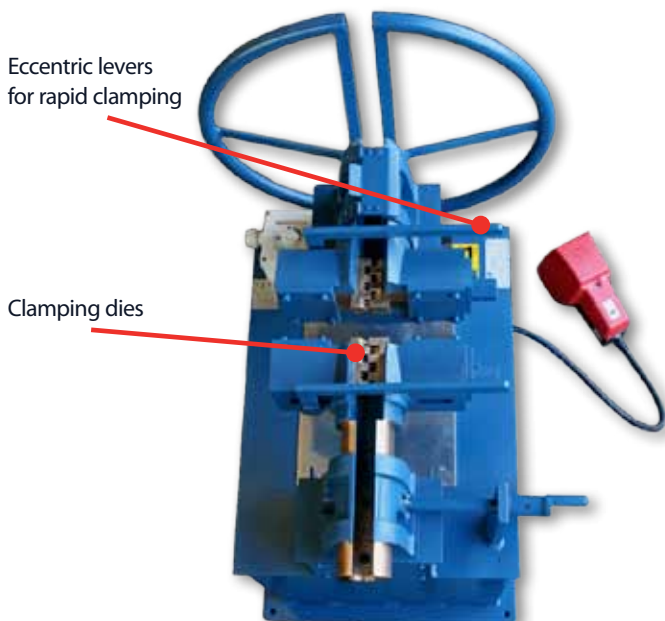


By increasing the distance between the clamping chucks the wire end becomes more pointed, e.g. ideal for excavating machines etc.

We manufacture both types, manual and automatic annealing machines.

Manual annealing machines

All manual annealing machines are equipped with eccentric levers for rapid clamping. Only one basic setting is required for a specific wire rope diameter. The clamping dies are designed so that they do not require altering for different wire rope diameters. The eccentric lever is designed to open sufficiently to facilitate insertion of the wire rope from above. The machine is hands free, the current is controlled via a foot pedal. The machine can also be made mobile as an extra option.



AV 28, AV 28S

Wire rope diameter up to 28 mm can be annealed in this machine.

AV 28 is presented in two different power models. The more power the faster the wire rope is annealed.

Approximate annealing time (sec.) for wire rope Ø 28:

AV 28 (9 kW):	35
AV 28S (14 kW):	28

It has two different settings depending on wire rope diameter:

- Mode 1: up to 13 mm
- Mode 2: 14 to 28 mm



AV 40, AV 40A and AV 40S

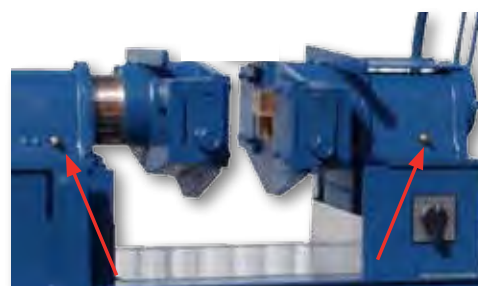
AV 40 is designed for intense production. Water-cooling can be connected to the machine. It has three different power models. The more power the faster the wire rope is annealed.

Approximate annealing time (sec.) for Ø 28 and Ø 40.

AV 40 (15 kW):	30/180
AV 40A (23 kW):	28 / 90
AV 40S (35 kW):	20 / 60

It has two different settings depending on wire rope diameter:

- Mode 1: up to 28 mm
- Mode 2: 28 to 40 mm



Water cooling inlet and outlet

AV 65



The largest of our annealing machines cuts off wire rope up to 65 mm. Like AV 40 it is prepared for water-cooling. The standard machine is equipped with a hood, which is easy to open to clamp the wire rope. The AV 65 has five power modes for different wire rope diameters.



AV 65 with open hood



Annealed wire ropes

10 SM PLC



This annealing machine is fully automatic, controlled by a PLC with a display unit. It is designed to handle wire rope between 3 and 10 mm. The length can be set between 170 to 1 100 mm and are annealed with high accuracy (+/- 1 mm on 500 mm lengths).

The shape of the cut wire rope can be either tapered, rounded or flat.

A cooling device can be supplied as an option, along with a servo-driven end stop switch.

It can be custom made to fit into a production line interacting with other machinery.

Approximate cycle time vary between 3 to 30 sec. depending on wire rope diameter and length.

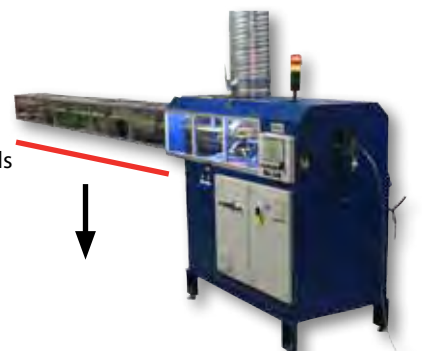
10 SM

This machine is also controlled by a PLC. It resembles 10 SM PLC but this machine anneals longer wire ropes.

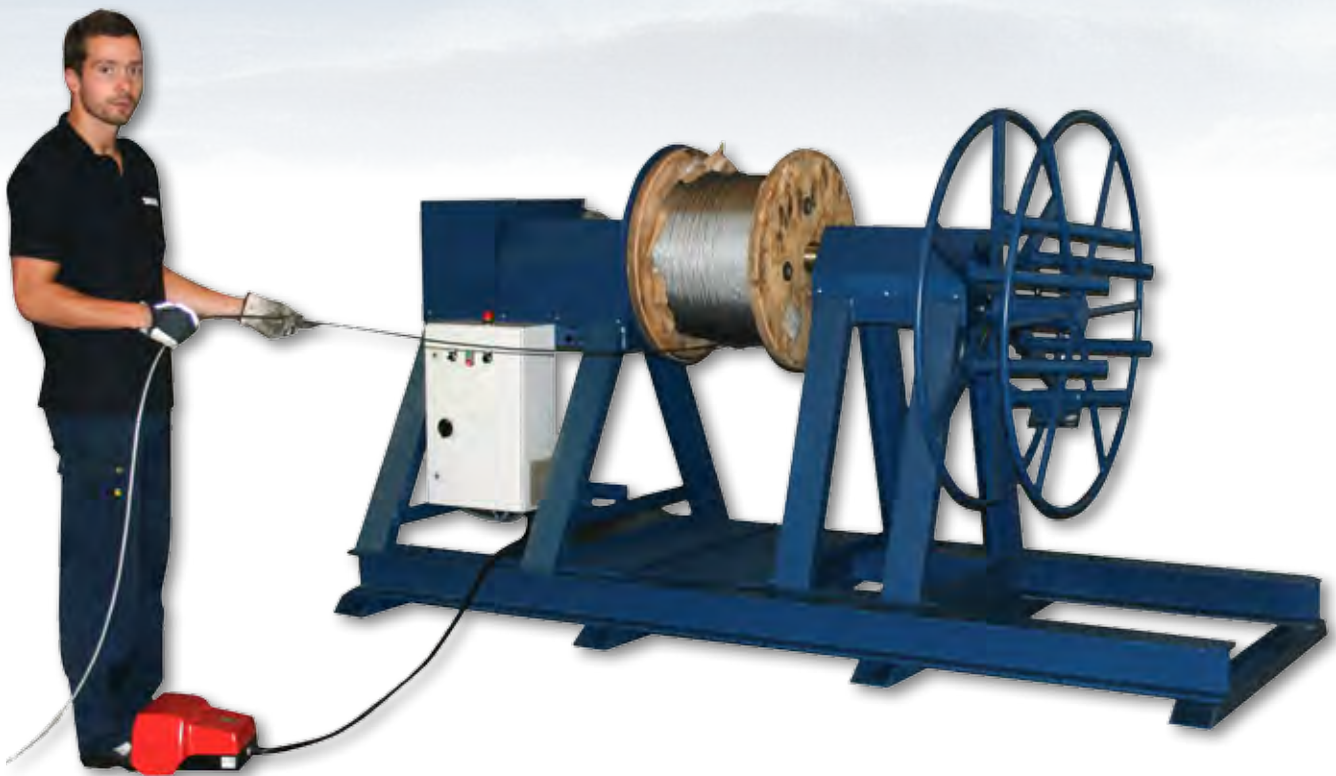
The feeding unit is equipped with a tube. The standard tube handles wire rope from 0,4 to 6 m. Optional tube sections of 3 m can be added.

An optional marking/colouring unit can be mounted on the tube.

Once the wire rope is cut, the tube tilts and the rope falls.



The original
mechanical splicing systems.



Coiling, Reeling
and Marking Machines

TALURIT™

Coiling Machines and Reeling Machines

Our coiling machines are mainly intended for coiling wire ropes from a main reel/drum to a new smaller reel/drum or to a coil. It is possible to combine different machines and customize solutions.

UL 800 and UL 1200

Integrated or stand-alone application for coiling. Adjustable inner diameter and coil width.

Maximum load: 800/1200 kg



METER STAND

Our single head meter stand has roller guides front and rear to help absorb line vibration and works to relieve some of the wear. Meters also available (sizes listed below).

Meter Sizes:
25mm Capacity
50mm Capacity
75mm Capacity



UL 7000

Integrated or stand-alone application for reeling and optional coiling. Adjustable inner diameter and coil width.

Maximum load: 7000 kg



AVL 5000M

Motor-driven coiling/uncoiling unit for reel. Stand-alone application.

Maximum load: 5000 kg



MA 40 - Measuring unit

Measuring Unit MA 40 is to be mounted on manual cutting machines like AV-machines or LKS-machines.

Connected to the TALURIT™ range of uncoiling and coiling machines, the start and stop functions of all attached units are controlled by MA 40. All simultaneously connected units then form an automatic coiling and measuring system.



Gantry style coilers and reeler

Available for all models

- Run take up from either side pendant & dual speed control for operating
- Direct drive on/off mount of the coiling head
- Oversize options - width and/or height
- Customization, call with your specifications



Model	Metric
GS5	2260kg steel frame, 3 phase - 3.72kW, 0-60 RPM, Reel size 300mm to 930mm wide x 910mm to 1140mm tall
GS10	4530kg steel frame, 3 phase - 7.45kW, 0-58 RPM, Reel size 300mm to 1470mm wide x 910mm to 2080mm tall
GS15	6800kg steel frame, 3 phase - 11.18kW 0-58 RPM, Reel size 300mm to 1470mm wide x 910mm to 2080mm tall
GS20	9070kg steel frame, 3 phase - 14.91kW, 0-40 RPM, Reel size 300mm to 1470mm wide x 910mm to 2080mm tall
GS25	11339kg steel frame, 3 phase - 18.64kW, 0-33 RPM, Reel size 300mm to 1470mm wide x 910mm to 2080mm tall
GS30	13607kg steel frame, 3 phase - 22.37kW, 0-33 RPM, Reel size 260mm to 1670mm wide x 910mm to 2080mm tall
GS35	15875kg steel frame, 3 phase - 26.09kW, 0-33 RPM, Reel size 260mm to 1670mm wide x 910mm to 2080mm tall
GS40	18143kg steel frame, 3 phase - 29.82kW, 0-33 RPM, Reel size 260mm to 1670mm wide x 910mm to 2080mm tall
GS50	22679kg steel frame, 3 phase - 37.28kW, 0-25 RPM, Reel size 260mm to 1670mm wide x 910mm to 2080mm tall
GS60	27215kg steel frame, 3 phase - 44.74kW, 0-25 RPM, Reel size 260mm to 1670mm wide x 910mm to 2080mm tall



Pendant with electronic speed control and push buttons

Uncoiling and marking

AVL 5000, AVL 5000B and AVL 10 000B

Uncoiling machines for reel used together with LKA 10 PS or LKA 28 PS. AVL 5000B and AVL 10 000B are equipped with an electrical brake synchronized with the cutting machine. This to avoid the reel to unwind the wire rope.

Maximum load: 5000/10 000 kg



TURNTABLES

These turntables use steel plates with hardened ball bearings providing long-life plate wear & movement.

Sizes available include:

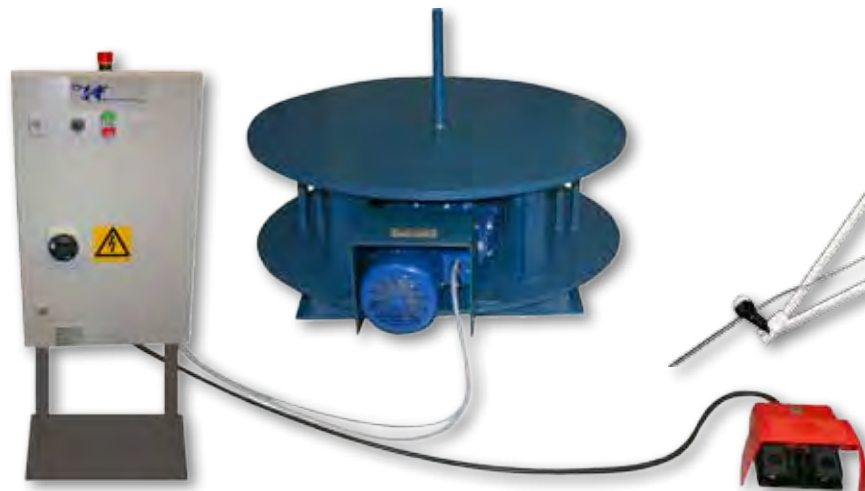
1/2" x 36"

1/2" x 48"

3/4" x 60"

3/4" x 72"

1" x 72"



AVL 5000M

Motor-driven coiling/uncoiling unit for reel.
Stand-alone application.

Maximum load: 5000 kg



AVL 500 M

Uncoiling machine for reel used together with 10 SM-PLC or 10SM.

Maximum load: 500 kg

MM 120

The marking machine is intended for marking of ferrules in aluminum and copper on one or both sides using letters / figures / logos etc.

Carbon steel sleeves can also be marked but the imprint will depend on material hardness etc.



The original mechanical splicing systems.



Test Beds

In cooperation with Chant Engineering Co. Inc.



TALURIT™

CHANT
Chant Engineering Co. Inc.

Test Beds

Our Test Beds are used to tension test or proof test, wire rope, fiber rope, chain, lifting slings and other types of lifting gear.

These machines are extremely heavy-duty and have proven themselves in years of rugged, real world industrial and military rigging environments.



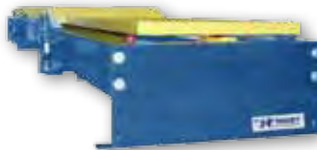
Load force to be specified by customer all the way up to 30 000 kN.

All Test Beds will perform proof load testing, destructive (break) testing, cyclic testing and long term fatigue testing (depending on options).

Each machine is designed for maximum operator safety. Our Proof test Machines are enclosed on the sides and ends with fully opening, hydraulically actuated, operator safety guards.

The loading force of our Test Beds is provided by hydraulic cylinders, one cylinder is for the main (high) loading force and a smaller one (optional) for the low loading force. Each pulling cylinder has its own heavy-duty electronic load cell for highly accurate (+/- 1%) independent display of the loading force. Each load cell is calibrated to the ISO 7500-1 at the factory.

100 T Test Bed



Examples of specifications for a 100 T test bed:

- Maximum capacity: 100 mt (metric tons)
- High load range: 100 mt to 10.20 mt
- Low load range: 11.34 mt to 1.13 mt
- Maximum specimen length: 9.93 m (completely retracted)

300 T Test Bed



All our test beds can be custom made based on our customer's requirements.

Software

Our DataTEST (TM) testing software allows the operator to record and print out a test certificate for each test performed on the machine. This software is fully compatible with both N4 systems and Infochip Inc., the industry accepted RFID tagging system companies.



DataTEST testing software is available in many different languages and any unit of measure can be displayed to suit your application.

Touch-Screen

Our Touch-Screens are an easy-to-use operator interface for your testing machine. The operator simply selects the desired load and the machine automatically tests the specimen to the inputted load. The on-screen display shows the current load as well as a live graph of load vs. time. The touch-screen will also display elongation which is optional if the machine has that capability.



1500 T Test Bed



This 1500 metric ton testing machine is a three in one machine. Its capabilities include traditional load, proof cycle and break testing as well as spreader bar testing and a slack removal system for long stretch, test specimens.

The movable head is hydraulically controlled so that it can walk down the frame under load to remove slack from the specimen prior to load testing.

Wire Rope Grips

Our Wire Rope Grips are heavy duty, precision machined gripping devices, designed to grip wire rope from light loads to ultimate breaking loads. The Wire Rope Grips work on any lay wire rope. These grips will hold regardless if the wire is greased, dirty, wet, tarred, plated, etc. Each grip comes with a wide range of adapters and liners to grip different size wire rope.

The Wire Rope Grips work on the wedge principle. As the rope is pulled, each half of the wedge set squeezes on the rope. The wedge set is geared together to work in unison. The wedge set rides on precision roller bearings held between hardened raceways. The harder the pull, the more the wedges grip, all without damaging the rope.



Hydraulic Fixing Device Solutions are also available. The gripping claws are made from a soft material to avoid damaging the wire rope.



*Hydraulic
Fixing Device*

Upgrade your test bed today

- Speed up your testing process!
- Eliminate operator testing errors!
- Improve productivity!
- Easy to learn!!
- Streamline certificate generation!

A Touch-Screen option can be retrofitted on your existing machine or comes as standard on all of our new machines.

Optional Features:

Some of the optional features for the test beds include:

- Low load cylinder load cell assembly (only 1 range is standard)
- Additional machine lengths
- Additional pulling cylinder stroke length
- On-site installation assistance and start-up/training
- On-site ISO 7500-1 Calibration
- Specimen elongation measurement
- Laptop or Toughbook
- Cycle testing
- Wire rope grips

Vertical Test Beds

Vertical Proof Test Machines are used for testing slings, lifting devices and chain hoists. We make both a static test and a dynamic test vertical machine. The static test will pull to a load. The dynamic machine will not only pull to a load, but it will also keep a constant load on the specimen. This is especially useful for testing chain hoists, as it allows you to operate the hoist while under constant load, thus testing the hoisting mechanism, as well as the chain.



We make standard capacity Vertical Proof Test Machines as well as and completely custom machines. We also make large outdoor testing towers. If you don't see what you need, contact us, chances are we have already made it before.



The original mechanical splicing systems.



Special Machines

Stations/System Solutions

TALURIT™

Stations/System Solutions

Round Sling Machine

The GERRO Round Sling machine is a high speed, heavy duty machine designed to manufacture polyester rounds slings, one or two simultaneously. With up to 10,000 lbs. of tension force, this machine can make the highest capacity rounds slings quickly and easily.

Sling length: 60 ft (18,3 m) sling length is standard



Dropper Manufacturing Station

Special designed station that will feed and measure the wire rope length, cut, assemble fitting, press in both ends, proof test, label, coil and wrap.

Totally automatized

Automatic wire rope Cutting Station

A very high capacity work shop for manufacturing of seat belt attachments, wire ropes for the automotive industry.

High speed, high accuracy and reliable setup. Very high capability.



The original
mechanical splicing systems.



Service

TALURIT™

Commissioning



In commissioning we offer on site theoretical and practical training for operators and engineers, which includes the following:

- **Safety**
Making sure all safety precautions are taken and fully understood by the operators.
- **Component location**
Introduction of the machine and the machine parts.
- **Operator's instructions**
Theoretical and practical training in handling the machine for operators.
- **Maintenance instructions**
Training in maintenance for engineers.
- **Options on machines**
Theoretical and practical training in handling and maintaining specific optional equipment.
- **Theoretical training of the Ferrule Securing Instructions adjusted for operator use.**
How to select the correct size of fitting to a certain type of wire rope.

Maintenance Service - Swagers



The following maintenance procedures are included in our service packages:

- Test run of the swager
- Inspection of max pressure
- Inspection and adjustment of the manometer
- Inspection of the hold position
- Inspection of the stroke limiter
- Replacement of leather bellow and hose clamps
- Inspection of oil level
- Replacement of oil filter
- Inspection of die holders
- Lubrication
- Inspection of the valve house
- Inspection of the filling valve (if applicable)
- Inspection of the PLC

Similar maintenance service is available for all our other machines.

Testing



We can offer 4 types of testing

There are four different types of testing available: Proof test, hold test, tensile test and fatigue test. See more about each testing below.

PROOF TEST

- Test to see if specimen can withstand a specific load. (Non-destructive)
- Certificates will be issued showing load/time and elongation/time in the same diagram.

HOLD TEST

- Test to see if specimen can withstand a specific load during a specific time. (Non-destructive)
- Certificates will be issued showing load/time and elongation/time in the same diagram.

TENSILE TEST

- Test to see how much load a specimen can stand before it breaks.
- Certificates will be issued showing load/time and elongation/time in the same diagram.

FATIGUE TEST

- Test to see if specimen can withstand a specific load when the load is pulled and released repeatedly during a specific time. (Non-destructive)
Applicable load: 6-30 tons.

Calibration



We offer worldwide calibration service with our EN ISO 376:2002 certified equipment. With our high accuracy load cells we are able to calibrate your tensile test machines to class 1 in the range up to 1000t capacity. This according to the regulations specified in EN ISO 7500.

Calibration intervals

According to EN ISO 7500 you should calibrate your test machine every 12 months. A calibration is also necessary if you have moved the machine or carried out a major repair to the machine.

Training courses



Choose between the ½ day or full day training course

Our training focuses on the Ferrule Securing Instructions. This includes both theoretical and practical training on how to select a ferrule for a specific wire rope, reading the charts and understanding of applicable standards. It also contains swaging instructions and practical tips for efficient and safe manufacturing of slings. We will provide charts for ferrules, course material and certificates. For more details on the contents of the ½ day course and the full day course, see below.

FULL DAY - TRAINING COURSE

- Full day of **theoretical and practical** training for operators in our conference centre in Gothenburg or at your location.
- **Basic training in how to choose termination:**
 - ✓ How to select correct ferrule size depending on type of wire rope and construction
 - ✓ How to assemble different terminations
 - ✓ Training in different types of swage methods
 - ✓ How to check termination after swaging operation
 - ✓ Usage and scrapping
 - ✓ Basic training in wire rope constructions
 - ✓ Practical training on how to perform a correct swaging of different fittings

½ DAY - TRAINING COURSE

- 4 hours of **theoretical and practical** training for operators in our conference centre in Gothenburg or at your location.
- Simplified theoretical seminar about ferrules and fittings and how to select the correct size of fitting to a certain type of wire rope.
- Practical training on how to perform a correct swaging of different fittings.

Service contacts

Through the years we have declared that machines alone will not do the job. We pride ourselves on our after care service. Satisfied customers has always been a top priority and this includes giving our customers the advice and practical help they need, when they need it. Once the machines are installed, maintenance and technical service will minimize down time.

Web	Request our services on the website, under <i>Product range</i> , or go to FAQ under <i>Customer area</i> .
Email	Request our services at: <ul style="list-style-type: none"> • service@talurit.se • service@talurit.co.uk
Telephone	+ 46 31 709 30 93 (Swedish working hours, GMT +1) + 44 1226 369960 (British working hours, GMT) + 49 7731 97030 (German working hours, GMT +1) + 65 96391512 (Singapore working hours, GMT +8) + 86 665742132 (Japan working hours, GMT +9)
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