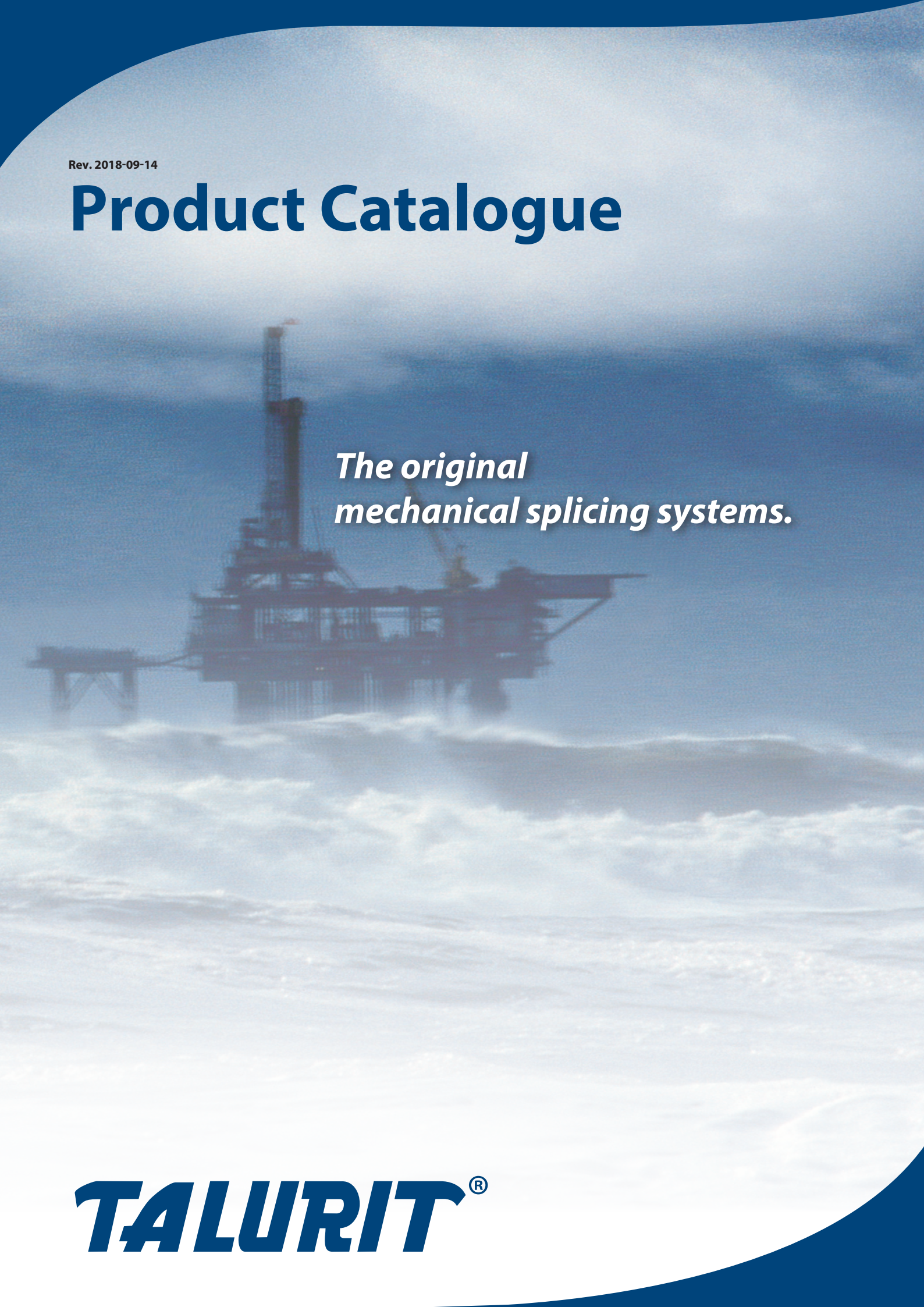
Rev. 2018-09-14

Product Catalogue



The original mechanical splicing systems.

TALURIT®

ABOUT THE COMPANY

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

The company owns trademarks throughout the industrialized world. **TALURIT™** is one of the most famous brands in this market area. Talurit Group consists of the parent company based in Sweden and subsidiaries in United Kingdom, Germany, China and Singapore.

BUSINESS IDEA

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

OUR PROFILE

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

Talurit Group aspire to the following values:

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

When conditions are severe it is Talurit Group customers contact first!

SWEDISH MADE

SAFETY AND LIABILITY

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

As Talurit Group is responsible for the design, manufacturing, sales and after sales as well as service of the entire product range, it's important to ensure total quality control and customer satisfaction.
The entire Group works according to the quality system ISO 9000 and all companies are certified by DNV GL or NQA.

As an added safeguard, the company has a product liability insurance up to EUR 2 000 000 which protects the customers from third-party actions related to product defects.

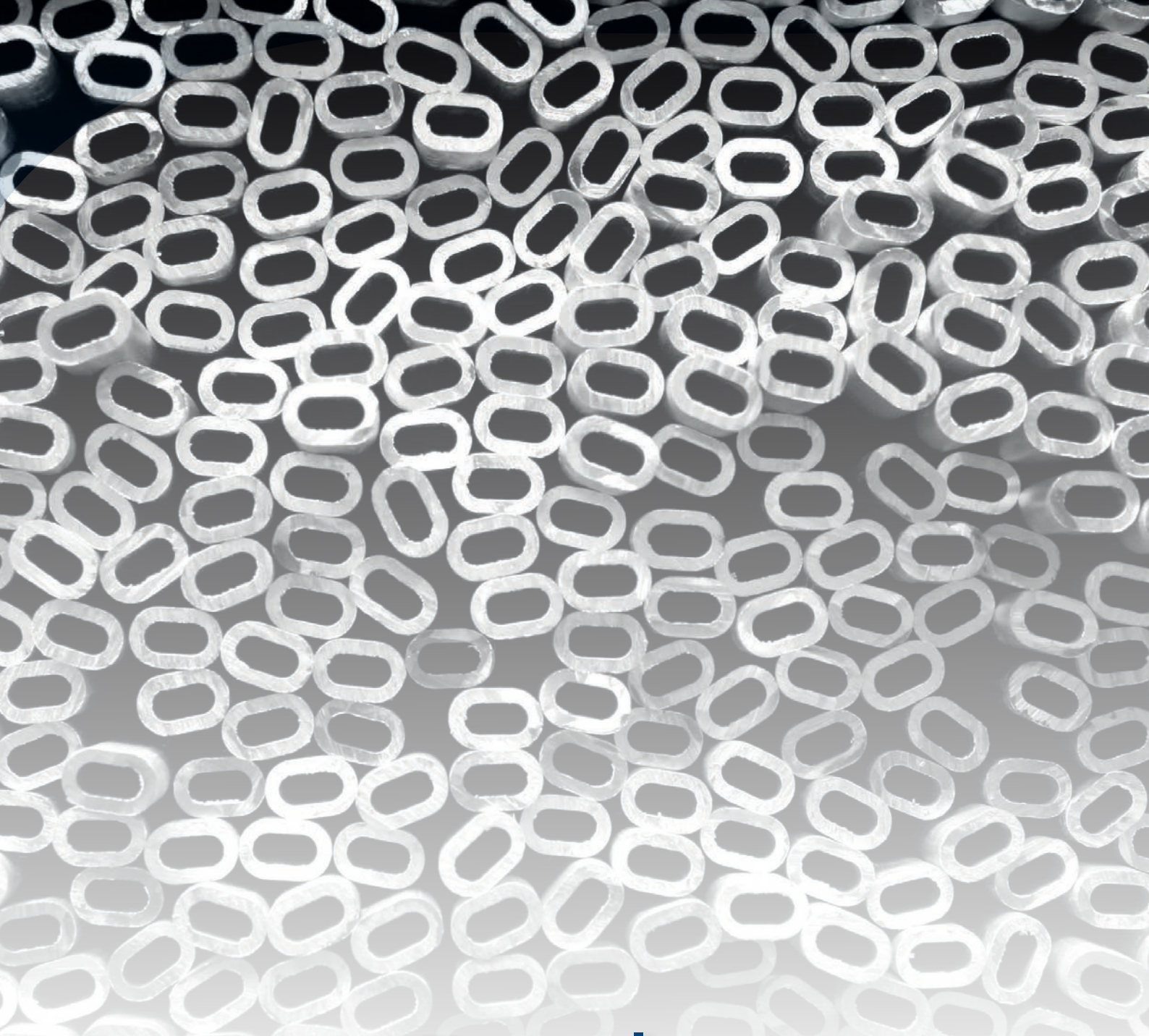
AFTER SALES AND SERVICE

Technical details and support for our machines are available for the machine lifetime. This service is formalized as part of the quality system.

The total reliability Talurit Group offers forms a natural basis for cooperation and is an instrument to meet the customer's quality and business requirements.

Talurit Group welcomes you as a customer!

Contents



Ferrules
Sleeves & Fittings

TALURIT®

FERRULES AND FITTINGS

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 9001.

Talurit Group has approvals from LLOYD'S, GERMANISCHER LLOYD, BUREAU VERITAS, DET NORSKE VERITAS, etc and certification of these is available upon request.

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

Also other type of swaging products are tested and verified according to valid standards. Talurit Group provide complete splicing instructions for them as well. Talurit Group is also able to provide specially designed wire rope end fittings upon request.

Turnback ferrules

Aluminium

FOR STEEL WIRE ROPE SIZE UP TO 160 MM (6")

Ferrules for making turnback eye terminations using steel wire rope are suitable for a wide range of applications. All the ferrules are seamlessly extruded over mandrel and follow all requirements stated in the standard EN 13411-3.

All aluminium ferrules from size 8 and upwards are fully traceable (ISO 9001) and marked with type, size, and manufacturing batch number.
The *Splicing Instructions* specifies the correct method of swaging, approximate pressure required and ferrule selection criteria.

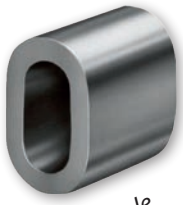
T ferrule (T)

T ferrules TALURIT™

The aluminium ferrules are the most commonly used ferrules on the market today. They have a vast variety of applications, especially in the lifting gear industry. The T ferrules branded TALURIT are thoroughly specified and very well defined for many different wire rope applications. Four different cases are tested and verified according to the standard, EN 13411-3. The T ferrules are available from stock in sizes up to 152.

TS ferrules

TS ferrules have been validated according to TALURIT™ splicing system. Since it is shorter than an ordinary T ferrule, it does only fulfill the requirements in the European standard EN 13411-3 for wire rope grades up to 1770.



TS ferrule

UM ferrules

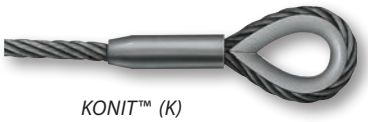
The aluminium ferrules UM (ULTRAGRIP™) are made from a specially designed profile. The UM ferrules are tested and verified to the European standard EN 13411-3, and also the Japanese standard for ferrule secured eye termination. The UM ferrule and the K ferrule become smaller in diameter after swaging than the T ferrule and the UM ferrule can be used as an alternative to the T ferrule at wire rope grades, up to 1960. The UM ferrules are available from stock in sizes from 9-90.

UM ferrules are also suitable for pressing on combination rope in applications like fishing trawlers and playground nets.

ULTRAGRIP™ (UM)

K, TK and TKH ferrules

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



KONIT™ (K)

T-KONIT™ (TK)

T-KONIT™-H (TKH)

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

TALUKON™

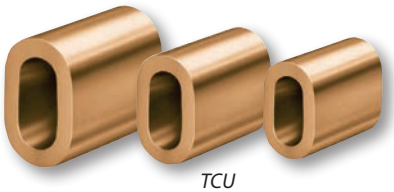
This is a ferrule with a very tight fit compared to other conical ferrules on the market. The wire rope termination will not get snagged during lifting and will simply slide off an obstacle. This will minimize the risk of accidents.

TALUKON™ is tested and verified according to the Norwegian standard NORSOK.

Copper

FOR STAINLESS STEEL WIRE ROPE

Stainless steel wire rope might require either copper or stainless steel ferrules depending on application. (Aluminium should not be used in salt water applications, due to electro-chemical corrosion). All our copper ferrules are produced seamlessly in pure copper material for added safety.

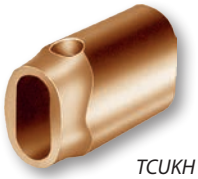


TCU

TCU ferrules

These copper ferrules are available in sizes from 1-30. Larger sizes available on request. Termination performed according to our instruction will normally withstand a tensile strength of 90 % of minimum breaking load of the wire rope and the ferrules are validated according to the TALURIT™ splicing system.

TCUK



TCUKH

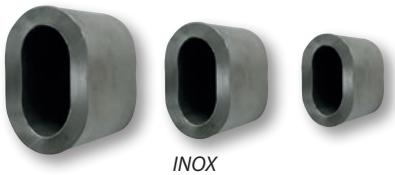
TCUK and TCUKH ferrules

These ferrules can be manufactured in sizes from 8-24. Termination performed according to our instruction will normally withstand a tensile strength of 90 % of minimum breaking load of the wire rope.

Stainless Steel

FOR STAINLESS STEEL WIRE ROPE

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



INOX

INOX ferrules

INOX ferrules are made from stainless steel . The material is AISI 316 and the ferrules are validated according to the TALURIT™ splicing system. Available in sizes from 1-30. Larger sizes on request. The ferrules are commonly used in applications within the food processing industry and also the nuclear industry. They have common uses in marine applications and they are widely used in architectural designs e.g. balustrades and fencing.

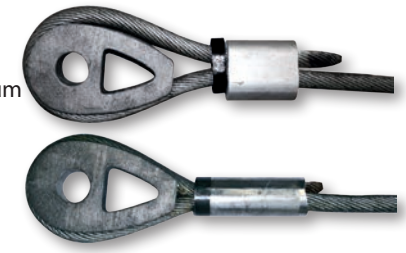
Carbon Steel

FOR BRIGHT AND GALVANIZED STEEL WIRE ROPE

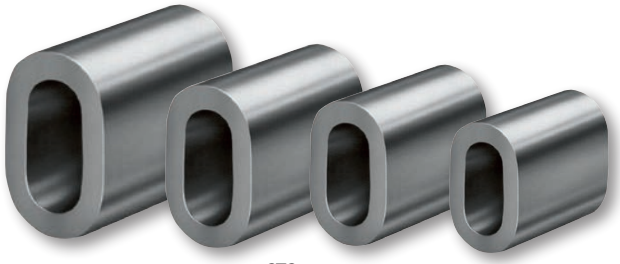
Steel ferrules are used for applications where high temperatures and/or abrasion/corrosion is a factor to be considered. Common examples of applications are in the steel mill industry, fishing industry and off-shore industry.

T-LOC™

T-LOC is aimed to reinforce an aluminium termination. T-LOC prevents the aluminium ferrule from splitting when using high tensile wire rope of grade 2160. T-LOC consists of an oval carbon steel ring and is swaged together with the T ferrule. Tested and approved according to EN 13411-3 for 2160 grade wire ropes.



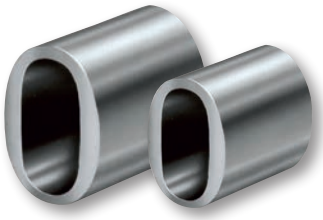
T-LOC™



STS

STS ferrules

The carbon steel STS ferrule has been validated according to EN 13411-3 regarding testing requirements and strength results. STS ferrules from size 42 and up are galvanized for better corrosion protection. This type of ferrule aims to replace Flemish eye sleeves when applicable. This ferrule can also be used on high performance wire rope with high demand from offshore applications. Available in sizes 5-90.



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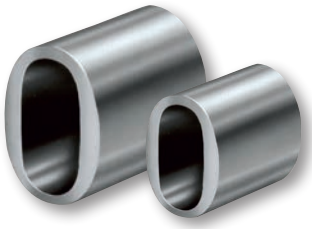


SLST

ST and SLST ferrules

These are thin walled carbon steel ferrules mostly used in the fishing industry. They have better electro-chemical corrosion resistance than aluminium ferrules in saltwater applications. Available in sizes 17-39.

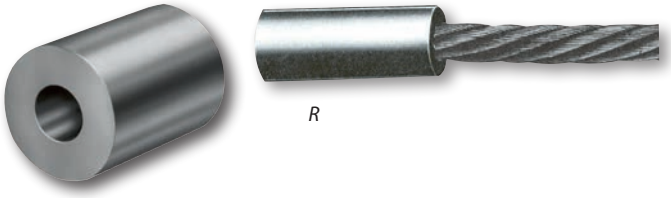
End Stops and Fittings

Aluminium

FOR STEEL WIRE ROPE SIZE UP TO 160 MM (6")

Ferrules for making eye terminations using steel wire rope are suitable for a wide range of applications. All the ferrules are seamlessly extruded over mandrel and follow all requirements stated in the standard EN 13411-3.

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



R

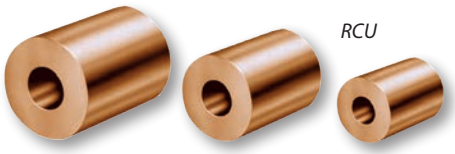
Round end stop (R)

Ends stops (R) are not allowed to use for lifting applications. The expected strength regarding this end-termination is approximately 50% of the MBL of the wire rope (informative only). Accordingly, verifying tests must be performed to secure the strength of the application.

Copper

FOR STAINLESS STEEL WIRE ROPE

Stainless steel wire rope requires either copper or stainless steel ferrules (aluminium should not be used, due to electro-chemical corrosion). All our copper ferrules are produced seamlessly in pure copper material for added safety.



RCU

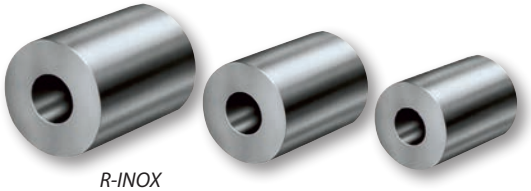
RCU ferrules

These ferrules are not allowed for use in lifting applications. The expected strength is approximately 50% of the minimum breaking load of the wire rope.

Stainless Steel

FOR STAINLESS STEEL WIRE ROPE

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



R-INOX

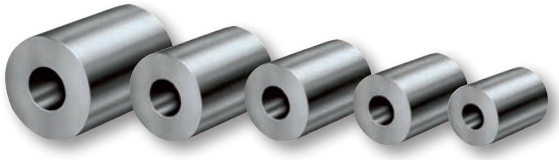
R-INOX ferrules

Round ferrules in stainless steel are normally made to customer request and material normally used is AISI 316.

Carbon Steel

FOR BRIGHT AND GALVANIZED STEEL WIRE ROPE

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



STR

STR end stops and EB buttons

These end stops are used as end stops in many applications and can also be made according to customer request. Different sizes are available. Very high load can be achieved.

ESP

ES

ES and ESP end stops

End stops, type ES and ESP, are designed for the lifting gear industry and for crane applications.
They are suitable for rotation resistant wire rope. Type ESP has an inspection hole and is prepared for an RFID chip and gives the possibility to check tests and certificates of the product.

Choker ferrules

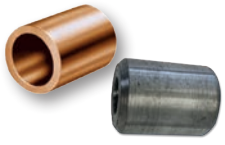
Choker ferrules

The choker ferrules are commonly used in the logging industry and fits many different choker hooks.

Special End Stops and Fittings

Special ferrules

We also design and manufacture special ferrules and fittings for marine, yachting, nuclear and industrial use.



Terminals and Sockets

Stainless Steel

FOR STAINLESS STEEL WIRE ROPE

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

TALUSWAGE

Stainless steel terminal, externally threaded

TALUSWAGE

TALUSWAGE terminals is a general name for stainless steel fittings that can be swaged onto a wire rope normally made of stainless steel. Examples of TALUSWAGE terminals are: eye terminals, outside thread terminals, fork terminals, terminals with toggle, rigging screw with terminal and toggle and terminals with internal thread.

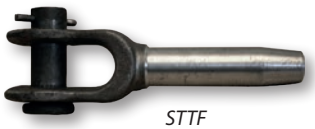
As these fittings are made from stainless steel, they are corrosion resistant and are suitable for marine, industrial and architectural use. They are also ideal for balustrade applications.

Carbon Steel

FOR BRIGHT AND GALVANIZED STEEL WIRE ROPE

Carbon steel swage terminals are used in for instance crane applications and for holding and supporting load in general. Our system of swage terminals is designed to fit both metric and imperial sizes of wire ropes.

STTE



STTF

STTT

STTT-R

STT swage terminals

Swage terminals in a large range for different types of wire ropes, including rotation resistant ropes grade 2160. A special developed metric splicing system for high tensile wire ropes are tested and verified according to EN 13411-8. This system is also available in both round and hexagonal shape after swaging. Sizes from 1/4" up to 2" are available.

Flemish Eye Sleeves

Carbon Steel

FOR BRIGHT AND GALVANIZED STEEL WIRE ROPE

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

TAL-X sleeves

TAL-X sleeves

The TAL-X sleeves are to be used as Flemish eye sleeves. All TALURIT™ Flemish eye sleeves have corrosion protection and are made according to the highest quality standards. The TAL-X sleeves are black oxidized.

All our Flemish eye sleeves are made in accordance with standards and processes adopted by Talurit AB to assure high quality products. They are marked with: TAL-X, sleeve size and a code for traceability. Testing includes hardness test, chemical analysis, microstructure evaluation and flattening to check for cracks. For additional conformance, sleeves are independently verified by 3rd party test lab. All our Flemish eye sleeves are tested for ductility. Not applicable on rotation resistant wire ropes. Follow our instructions on how to make the Flemish eye terminations to reach expected efficiency.

The metric system for these sleeves is validated according to the European standards, EN 13411-3, for mechanical splicing. We have developed an approved splicing system for metric wire ropes of grade 1960 according to EN 12385-4, constructions 6x19, 6x26 and 6x36. An imperial system is also available. Kindly refer to our imperial splicing chart. Available on request.

Our largest and smallest ferrule

Specials

Fittings

TALUGRIP™ fittings

TALUGRIP™ - to join wires

This product was developed to provide a strong, efficient and quick method of joining two ends of wire together, without the need to undertake any special machining etc. of the wire ends.

The TALUGRIP™ system consists of a range of special fittings, which are swaged onto the two wires by employing dies and hydraulic swagers. There are two types of swagers available, a 130 ton trolley mounted field swager and a portable 20 ton unit for use where access is restricted.

Many of the worlds largest suspension bridges are fitted with TALUGRIP™ joiners, which have been proved in service over many years.

Plain ball

The plain ball is supposed to be swaged at any point along your assembly. We design customized press dies for your specific needs.

Plain ball

Single shank ball

The single shank ball can be swaged at the end of the wire rope or at any point along your assembly. It is manufactured according to MIL-DTL-781 specifications.

Single shank ball

TALUGYM™

The TALUGYM™ system is specifically designed for the needs of the fitness industry. It provides an easy and secure method for swaging end fittings onto gym equipment wires. The swage fittings are manufactured as standard for 4mm and 5mm diameter wire rope (the wire diameter must be measured without the plastic coating). Other diameter wires and non-standard fittings can be quoted on request.
Specific catalogue of these products is available.

GERRO™ COMBI

GERRO™ COMBI is a system of ferrules to be used together with GERRO™ COMBI combination rope. Investing in aluminium ferrules instead of plastic 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 etc.
Specific catalogue of these products is available.

SYNCRIMP™

SYNCRIMP™ ferrules are used with hemp, manila, nylon, cotton and all types of fibre or synthetic rope, bungee cord and plastic coated cables producing a flash free swaging and utilise special swages. These ferrules are designed to give a slim profile without sharp or obstructive edges and giving reasonable strength of the termination.

TALUCRIMP™

These ferrules are designed for ease of use and are available in sizes 9-13. This type of ferrule is often used in building of rope courses and other forrestry applications. Designed to be swaged with hydraulic hand tools.

HOURGLASS (UGC)

UGC ferrules are made in aluminum. These ferrules are not made from seamless tubes! Do not use for lifting or other critical applications. UGC ferrules are for instance used on farms for fences and also to make anti-theft protection on bicycle locks.

We also design and manufacture special ferrules and fittings on request.

Accessories

MULTICONE

The cone is developed to eliminate the risk of injury and getting caught in objects in surroundings. It allows the termination to smoothly slide off an obstacle. This solution complies completely with the regulations in EN 13411-3 and has an inspection hole for visualisation of the dead end of the wire rope. It is made for case 2 applications T, UM, and STS. Designed for larger dimensions of wire ropes. Special swaging instructions are available.

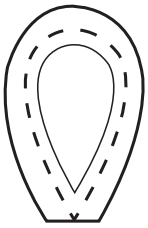
Design protection reg. no. 085002

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. This provides 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. It is appropriate for lighter applications. Then there is the solid thimble, which is more robust and suitable for heavy weight applications. Both types are available in a wide range of sizes to suit different diameters of wire rope.



Ordinary thimble

Solid thimble

When the wire rope is terminated with a loop, there is a risk that it will bend, 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 thimble prevents the load from coming into direct contact with the wires.

The original mechanical splicing systems.

Swagers

TALURIT®

Talurit has more than 70 years of experience from manufacturing swagers in the wire rope splicing industry.
The swagers range in capacity from 5 ton up to 4200 ton, making it possible to swage aluminium ferrules for nominal wire rope up to 160 mm (6 ¼") diameter and 6" Flemish eye sleeves.

The machines are designed to achieve safe and efficient mechanical splicing of steel wire ropes with many types of end fittings. The company uses 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. Key components are fully traceable with material certificates and quality inspections. All our swagers are manufactured in our work shop in Gothenburg, Sweden.

SMALL RANGE SWAGERS

Our small range swagers are available in 5, 20, 40, 130 and 250 ton capacities. They are of open throat design and can be used either vertically or horizontally; bench mounted or free standing, offering total flexibility. These swagers are easy to use and can handle many different swaging demands.

P 0005T

The P 0005T portable swager has a maximum swaging capacity of 5 ton (50 kN). The swager is easy to use in the field due to its low weight and easy operation. It is commonly used for our GERRO™ COMBI cross joint ferrules and nets. As standard we recommend the high-pressure compact power unit (HAGG 0,55/700).

High-pressure compact power unit

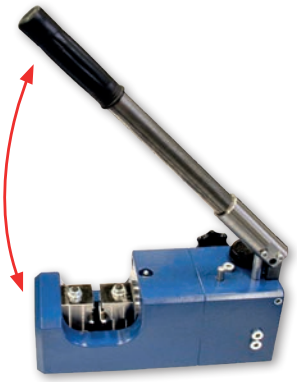
Swager **TECHNICAL DATA**

Art No. P 0005T		
Max. fluid pressure (bar)		700
Type of ferrules examples		GC16-C, GC18-C, GC20-C
Dimensions L x W x H(mm)		150 x 200 x 380
Weight (kg)		approx. 10
Dimensions of press body (without stab. plate) (mm)		50 x 125 x 252
Dies for cross joints		5T GC16-C, 5T GC18-C, 5T GC20-C
High-pressure compact power unit		
Art. no.		HAGG 0,55/700
Power (kW)		0,55
Rated current at	400V	1,6A
	230V	2,6A
Piston speed (mm/s)		approx. 10
Weight (kg)		approx. 30
Dimensions L x W x H(mm)		630 x 370 x 360

20T swager

P 0020T

The 20 ton swager is light-weight and easy to carry. This makes this swager excellent for field work. In a single stage swage T ferrules up to No. 6,5 can be swaged. Multi stage swaging makes it possible to swage T ferrules up to No. 9. Only available with hand pump.



Swager **TECHNICAL DATA**

Art No. P 0020T 1P		
Max. swaging force (kN)		200
Max fluid pressure (bar) approx.		645
Length of stroke (mm)		13
Capacity	Single stage (T)	6,5
	Multi stage (T/UM)	9/10
Type of die		A
Max. die length (mm)		39
Dimensions L x W x H (mm)		400 x 150 x 160
Weight (kg)		18,7

P 0040T

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

There are many different ways to use the 40T swager. Either a handpump or three different electrically powered hydraulic units can be attached to complete the system. All hydraulic hoses come with quick couplings .

Electrical hydraulic units **TECHNICAL DATA**

Art No: HAGG 1,5/700-(1-5)			V1	V2	Value
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 sec.
Reservoir volume (machine is delivered without oil)			✓	✓	3,7 (litre)
Inlet/Outlet threads on couplings			✓	✓	1/4" BSPP (inch)
Noise level			✓	✓	65 dB(A)
Dimensions (L x W x H)			✓	✓	650 x 215 x 310 mm
Weight			✓	✓	42,5 kg
Art No: HAGG 2,2/700- (V1 or V2)			**V1**	**V2**	**Value**
Power supply and Nominal current at:		3x 230/400V, 50 Hz	✓	✓	10,2/5,9 A
Power			✓	✓	2,2 kW
Max. operating pressure HP			✓	✓	700 bar
Cycle time (Single stage, full stroke)			✓	✓	9,8 sec.
Reservoir volume (oil is not delivered with the machine)			✓	✓	2,5 litre
Noise level			✓	✓	78 dB(A)
Dimensions (L x W x H)			✓	✓	289 x 260 x 382 mm
Weight (approx.)			✓	✓	20 kg
ALL			**V1**	**V2**	**Value**
Foot pedal			✓	✓	-
Hold position			na	✓	-
Stroke limiter			na	✓	-

Options for the 40 ton swager:

40T swager

Options for the 40T swager:

- *Handle*
- *Stabilizing plate*
- *Adjustable stand*
- *Fixed legs for Hydraulic unit*
- *Spring loaded fastening nut A1 ECC for Flemish eye swaging*

Hydraulic hand pump

HAND PUMP **TECHNICAL DATA**

Art No: P59L-40	Value	Unit
Max fluid pressure	700	bar
Weight	4,1	kg
Dimension (LxWxH)	535x121x178	mm
Hose with quick coupling	800	mm

Multifunctional hydraulic unit with two solenoid valves

High-pressure compact power unit

P 0130T 1S/1W

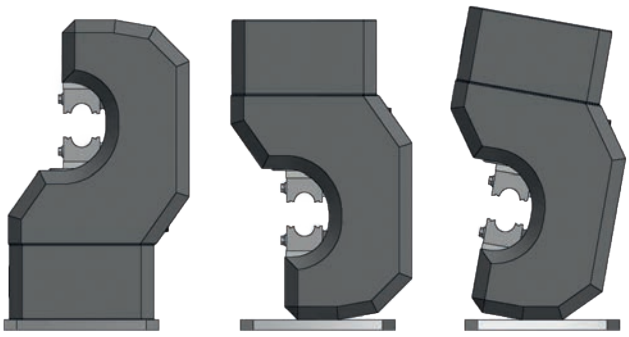
The 130-ton swager has a single pillar open throat design and can be mounted either on a stand (1S) or on a wagon (1W). The press body can be mounted either in upright position or upside down in a flat or tilted position (the different mounting positions is shown on the picture below). This swager is easy to use and the open design allows comfortable access to the swaging area. An efficient 4 kW hydraulic unit completes the swager system.

In single stage this 130T swager has a capacity to swage T ferrules up to size 16. Size 20 is maximum when using multi stage swaging.

How to operate...

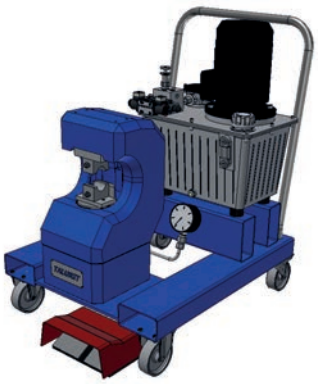
Hydraulic unit

The 130 ton hydraulic swager comes with an efficient 4 kW hydraulic unit. An electric foot pedal allows the operator to have both hands free during the swaging operation.



Mounting positions

	CAPACITY			
STANDARD	Amount of oil		30 l (oil is not delivered with the swager)	
	Noise level		less than 70 (dB (A))	
	Dimensions L x W x H	1S	350x720x1425 mm	
		1W	900x710x1050 mm	
1S/1W	Piston velocity	pressing speed	50Hz 4mm/s	60Hz 5mm/s
		return speed	50Hz 5,7mm/s	60Hz 6,8mm/s
	Power	50Hz	4,0kW	
		60Hz	5,5kW	
VS	Piston velocity	speed depending on pressure	9,6mm/s up to a force of 30T	
			1,8mm/s at maximum pressure	
	Power		4,0kW	



130T 1W swager

130T 1S swager with variable speed option

Options

Variable speed- VS

This is the more environmental friendly choice, since the power is used in more evenly thoughout the operation. When adding the variable speed (VS) option the speed of the piston can be customized. By turning up the speed adjustment to maximum the piston will move with 9,6mm/s up to a force of 30 ton. It will then slow down until maximum force is reached at which the piston is moving with 1,8mm/s. The speed adjustment can be set at any speed between 1,8-9,6mm/s.

Die holder fastening device

The base die holder for the 130T swager is FIX B1/B2. Add the spring loaded fastening nut B1 ECC to convert the die holder into a system suitable for swaging Flemish eye sleeves and terminals. B1 ECC will make the dies float.

P 0250T 1S

The 250 ton swager is the most powerful swager in the range of small TALURIT swagers. It has a capacity to swage T ferrules up to approximate no. 22 in single stage. Multi stage swaging makes it possible to swage T ferrules up to no. 30. It is possible to use smaller dies than intended for the swager if using the optional insert die holders (the diagram that is shown below). Its open pillar design makes it easy to swage and ergonomic for the operator.

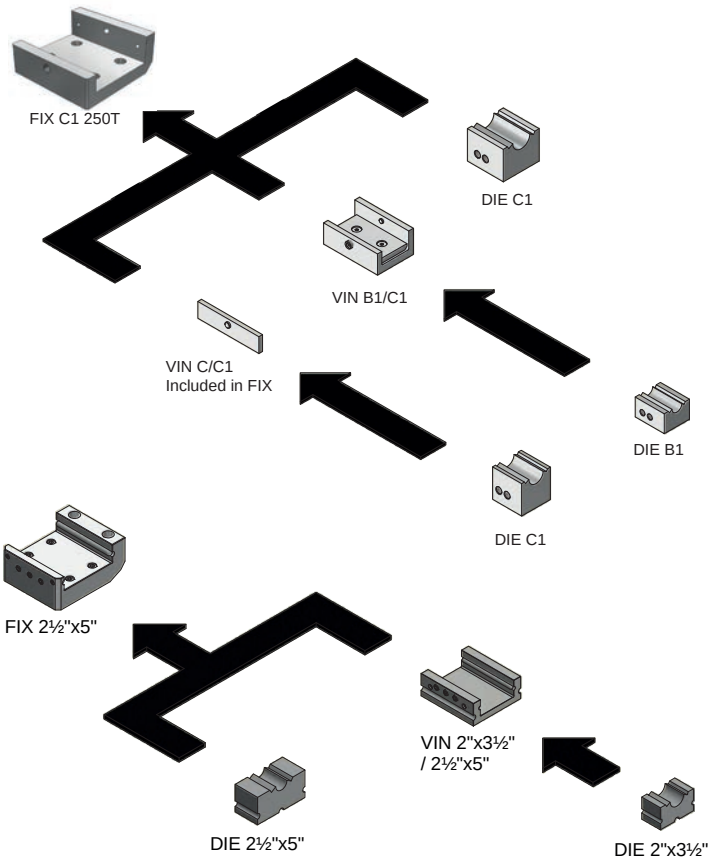
How to operate...

Hydraulic unit

The 250 ton hydraulic swager comes with an efficient 4 kW hydraulic unit. An electric foot pedal allows the operator to have both hands free during the swaging operation.

The 250 ton swager is built in together with the hydraulic unit in a compact and robust stand. The stand is covered with protection plates to reduce noise level and increase safety during operation. The swager is easy to move and has a small foot print.

Insert die holders and dies for the 250T 1S swagers



250 ton swager

Dies and insert die holders

Die size C and C1 are standard. With the die holder FIX 2,5"x5" dies size 2,5"x5" can be used. With optional insert die holders smaller dies can be used:

- VIN B1/C1 for dies size B1
- VIN 2"x3,5"/2,5"x5 for dies size 2"x3,5"

Die holders

FIX C1 250T	Standard die holder with pillar guide. Dies are locked with bolts.
FIX 2,5"x5"	Optional die holder with pillar guide. Dies are locked with bolts.

Art No. P 0250T 1S		
Max swaging force (kN)		2500
Max. fluid pressure (bar)		Approx. 313
Power (kW)		4
Rated current at 240/400 V (A)		17/8,5
Length of stroke (mm)		55
Piston velocity	high pressure (mm/s)	2,07
	low pressure (mm/s)	10,00
Amount of oil (l)		30 (oil is not delivered with the machine)
Dimensions L x W x H (mm)		1050x 670 x 1450
Standard working height (mm)		1065
Weight without oil (kg)		approx. 1050

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 choose from a wide range of options to optimize the swager for special needs. E.g. special die holders, more power or a rigging device. More options are available.
All our swagers are manufactured in our work shop in Gothenburg, Sweden.

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 before delivery.

The machine is equipped with a powerful two-stage hydraulic unit controlled by solenoid valves. Operation is very easy since a foot pedal permits the operator to use both hands when swaging. In addition to the normal up/down function it 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 it is easy to start again by just pressing down the foot pedal.

P 0300T 2S

300T 2S swager

P 0500T 2S

OUR MOST COMPACT SWAGER IN THIS RANGE

500T 2S swager

P 0600T 1S

OPEN DESIGN - EASY ACCESS

600T 1S swager

ADVANTAGES

- SWEDISH MADE
- HAWE PUMP
- FATIGUE TESTED
- FOLLOWS THE CE-MACHINE DIRECTIVE
- COMPACT/LIGHT
- ENVIRONMENT FRIENDLY
- OPTIONAL TOUCH PANEL
- PRESSURE LIMIT VALVE
- LONG LIFE TIME
- EASY TO SERVICE
- LOW COST OF OWNERSHIP
- CONVENIENT WORKING SPACE

P 0600T 2S

600T 2S swager

P 1000T 2S

1000T 2S swager

LARGE RANGE SWAGERS

The swager body is manufactured from one single block construction that ensures strength, long service life and a minimum of maintenance. Our swagers are thoroughly test run. All our swagers are manufactured in our work shop in Gothenburg, Sweden.

Our large swagers are designed to handle wire ropes up to 6" diameters. With optional equipment like rigging device to form the eye and lifting yoke to change dies, one operator can manage the entire swaging operation!

Despite the large size of these swagers, the noise level is less than 74 dB (A).

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 it is easy to start again by just pressing down the foot pedal.

Soft starter is standard for these large machines.
With insert die holders even smaller dies can be used.

Even larger swagers and other capacities are available on request.

P 4200T 2S

4200 ton swager

Ample working space

P 2000T 2S

2000 ton swager

Standard Equipment
FOR MEDIUM AND LARGE SWAGERS

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 with the foot pedal the operator can pause the operation to adjust the wire rope assembly.

- **Automatic shut down - PLC**
  Resource saving electric shut down with adjustable time interval. Easy to start again by pressing the foot pedal.

- **Piston return limiter**
  Efficiency. Opening between dies can be reduced. With a small opening, the 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!

Basic Die Holders
FOR MEDIUM SWAGERS

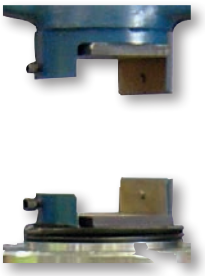
The die holders for each type of swager can be mounted angular or square. The die holder orientation can be changed and re-assembled if wanted.
A special design with pillar guide of die holders for swaging Flemish eye sleeves and swage sockets, is available as an optional choice. Dies are locked with bolts. Different basic block measurements are available.

Example of basic die holders for the 500T/600T swager

PIC. 1 shows square setting and is common when having a rigging unit on the swager. Angular setting, PIC. 2, is the most common setting for medium sized swagers, since it allows ample working space. When adding a rigging device on the swager the square setting is always used.

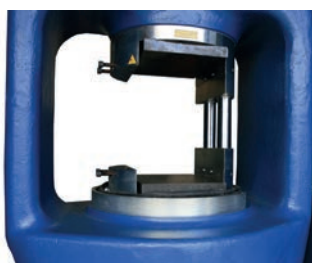
PIC. 1

PIC. 2

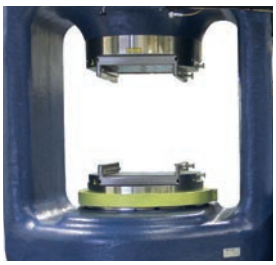


Basic Die Holders
FOR LARGE SWAGERS

The die holder for the 2000T swager comes with pillar guides (FIX G0S GUIDE) and the die holder for 4200T swager comes without pillar guides. The die holder orientation for the large swagers are always mounted square. Dies are locked with bolts. Different basic block measurements are available.



Basic die holder (FIX G0S GUIDE)-2000T with pillar guides



Basic die holder (FIX LS) - 4200T without pillar guides

Optional Equipment
FOR MEDIUM AND LARGE SWAGERS

We offer the customer a custom built swager to fit into specific production. We have therefore developed several options for our swagers.

- **T-Panel**
  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.

- **T-Panel EXT (extended version)**
  This is an extended version of the standard T-panel. It has a recepie handling system to store the different swaging cycles. The different swaging cycles can contain multiple stages that will be repeated by only using the foot pedal the number of times the swaging cycle consists of. The T-panel EXT handles both metric and imperial measurements.

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

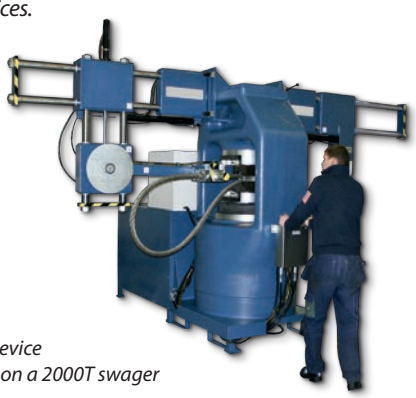
- **Oil cooler**
  If the swager is running continuously, especially in warm climate, we offer an oil cooler.

Oil cooler

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

- **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.
  More information about this option is available under the chapter Rigging Devices.

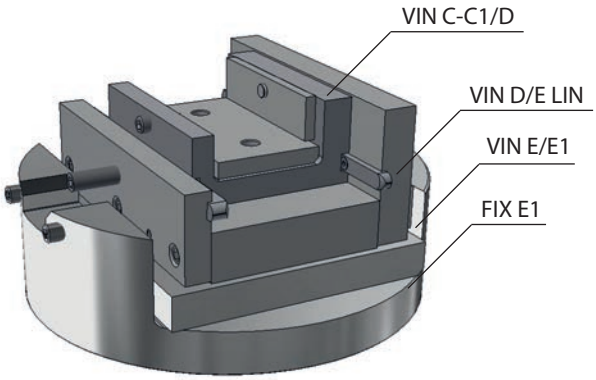


Rigging device mounted on a 2000T swager

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

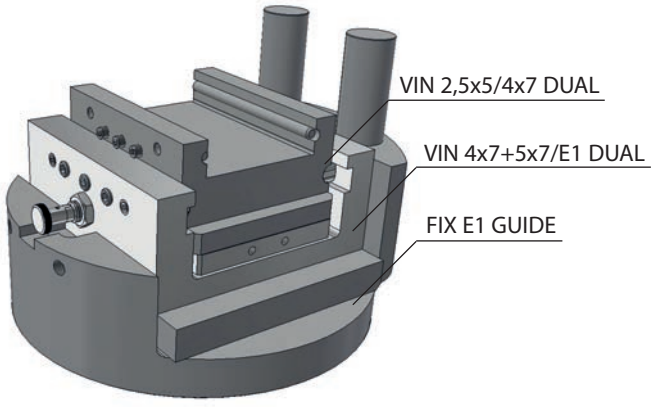
- **Die rack**
  The rack for dies is designed for storage and easy accessibility, especially when using the lifting yoke or the lifting table.

- **Insert die holders**
  By using an insert die holder, smaller dies can be used. The pictures below shows how to use insert die holders to be able to use smaller dies. The pictures are examples of how insert die holders are used ona a 1000T swager with the FIX E1 GUIDE as base die holder. *For specific insert die holders for each swager see following pages.*



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.
Even smaller dies type 2"x3½" and 2½"x5" can be used with insert die holders.

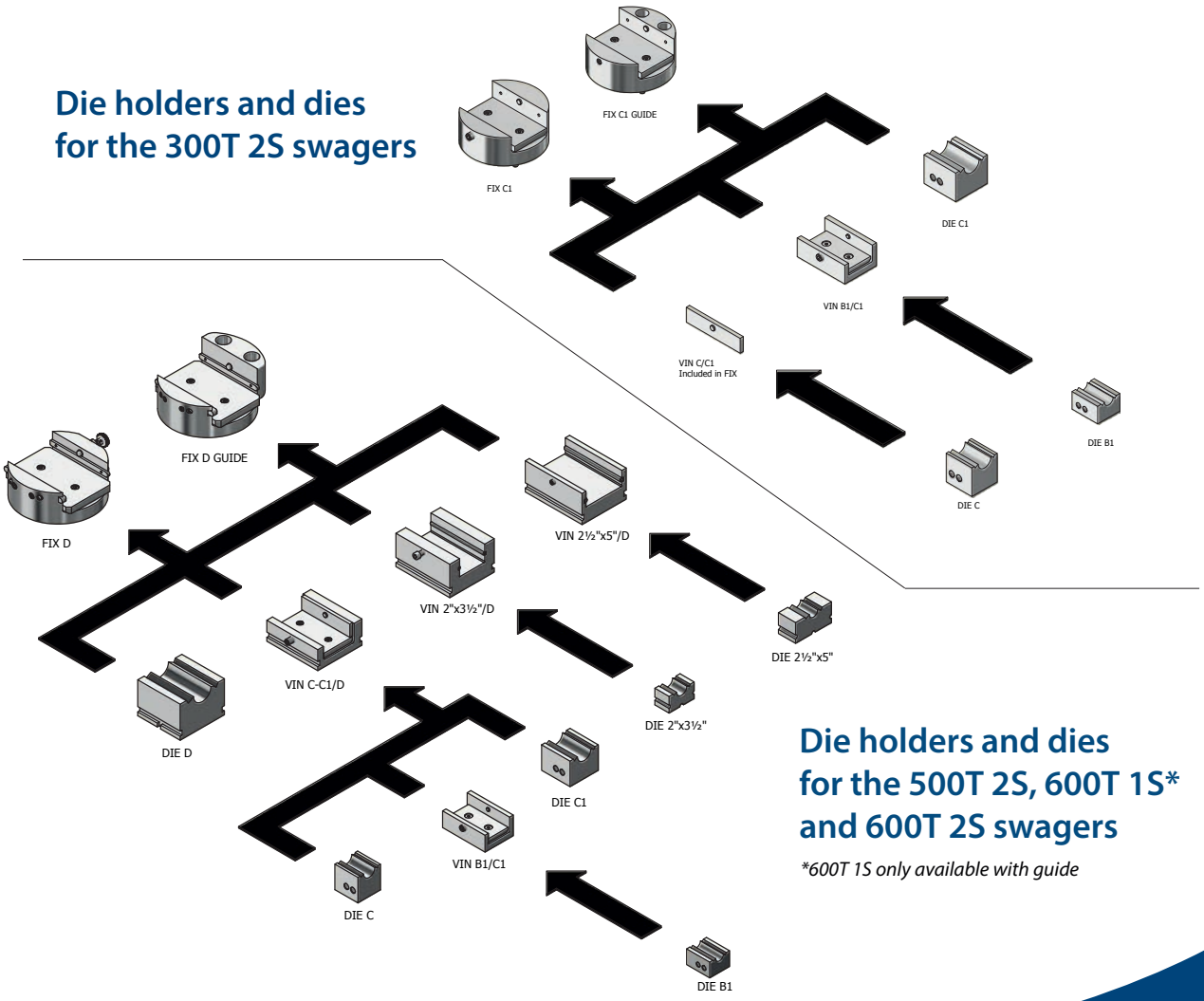


Warning! Using too small die block sizes in large capacity swagers can cause overload of dies and can be dangerous.

Insert die holders Part no.	Intended for						L x W x H (mm) (one insert die holder)	Weight per set (kg)
	300T	500T	600T	1000T	2000T	4200T		
VIN B1/C1	X	X	X				150 x 100 x 63	8,5
VIN C-C1/D		X	X				180 x 156 x 80	22
VIN 2”x3 ½”/D		X	X				190 x 157 x 102	33
VIN 2”x3½”/4”x7” DUAL		X	X				140 x 177,8 x 79,5	26
VIN 2 ½"x5"/D		X	X	X			200 x 156 x 80	26
VIN 2 ½”x5”/4”x7” DUAL		X	X	X			200 x 177,8 x 90	30
VIN D/E LIN				X	X		280 x 220 x 127	60
VIN 4”x7”+5”x7”/E1 DUAL				X			240 x 253 x 108	72
VIN E-E1/G0					X	X	335 x 41 x 41	7,5
VIN 4”x7”+5”x7”/G0S DUAL*					X	X	240 x 305 x 154	138
VIN G0S/KS*						X	450 x 403 x 102	172
VIN G0S/LS*						X	450 x 454 x 202	262
VIN KS/LS						X	470 x 460 x 102	187

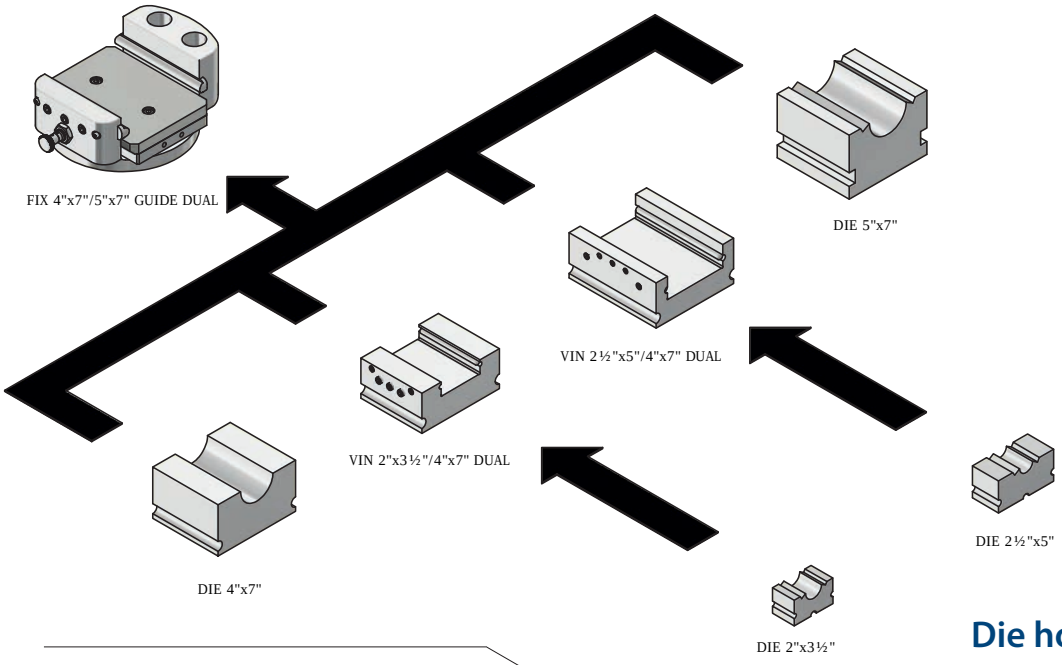
**G0S is also designed to fit 6”x12” and G0 dies*

Die holders and dies for the 300T 2S swagers

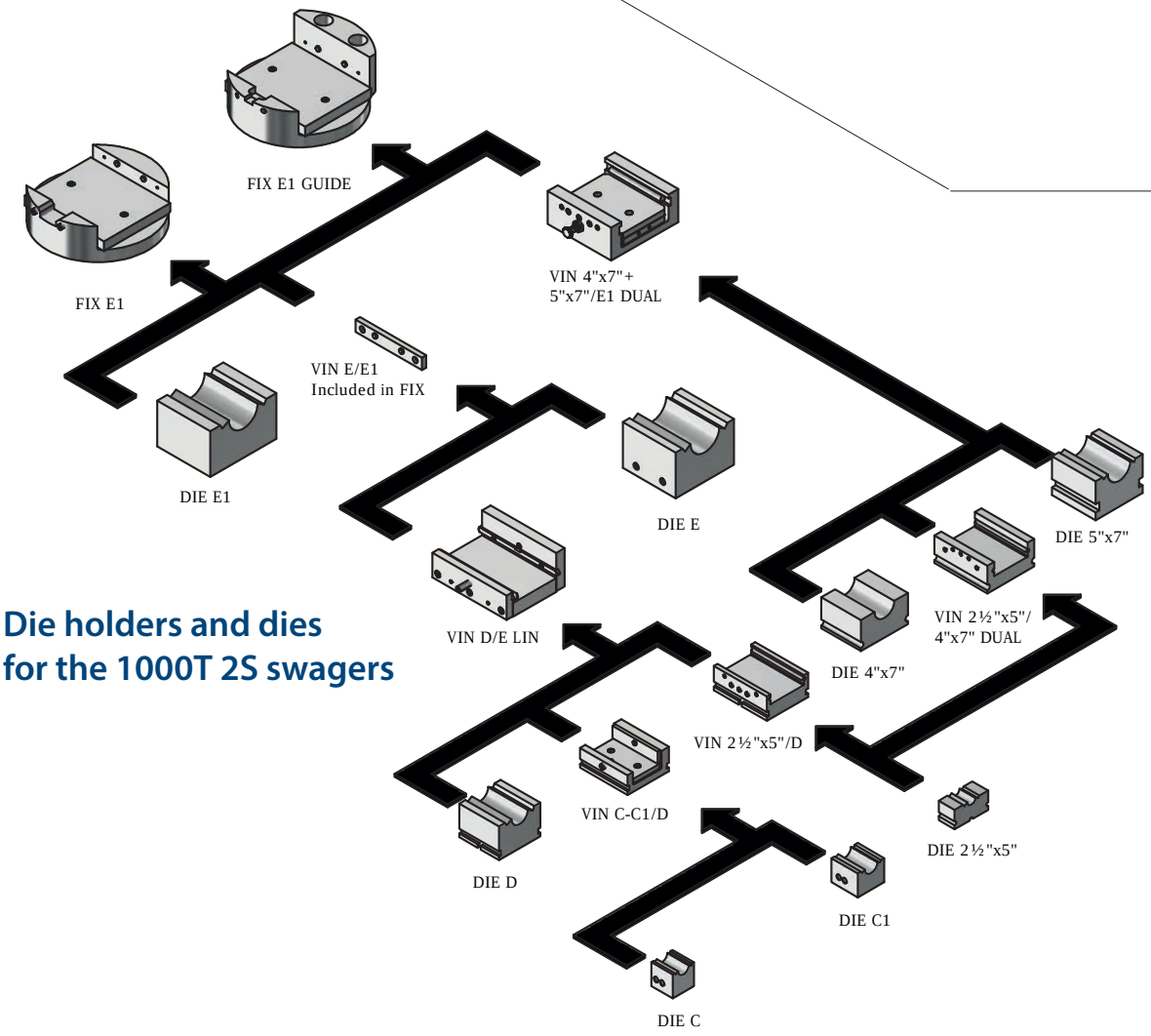


Die holders and dies for the 500T 2S, 600T 1S* and 600T 2S swagers

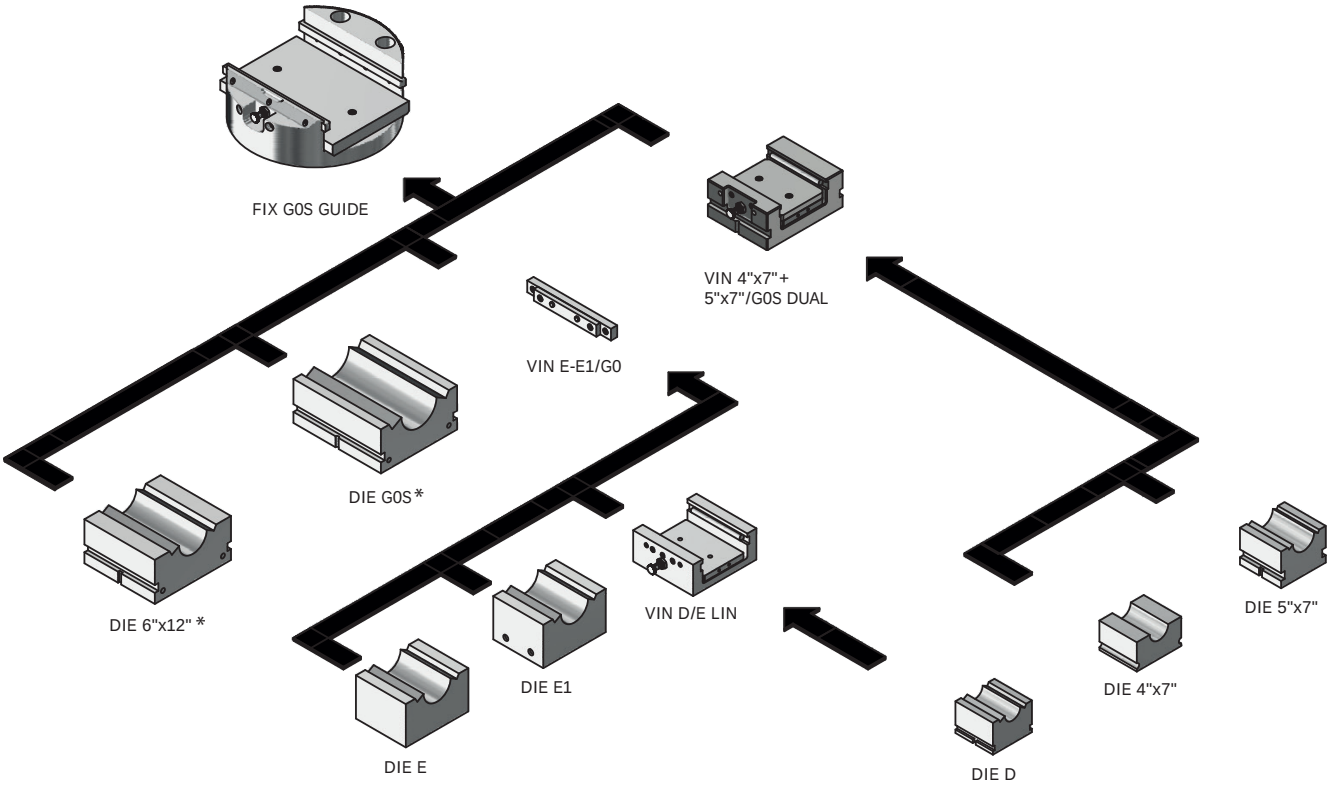
**600T 1S only available with guide*



Die holders and dies for the 500T 2S, 600T 1S and 600T 2S swagers

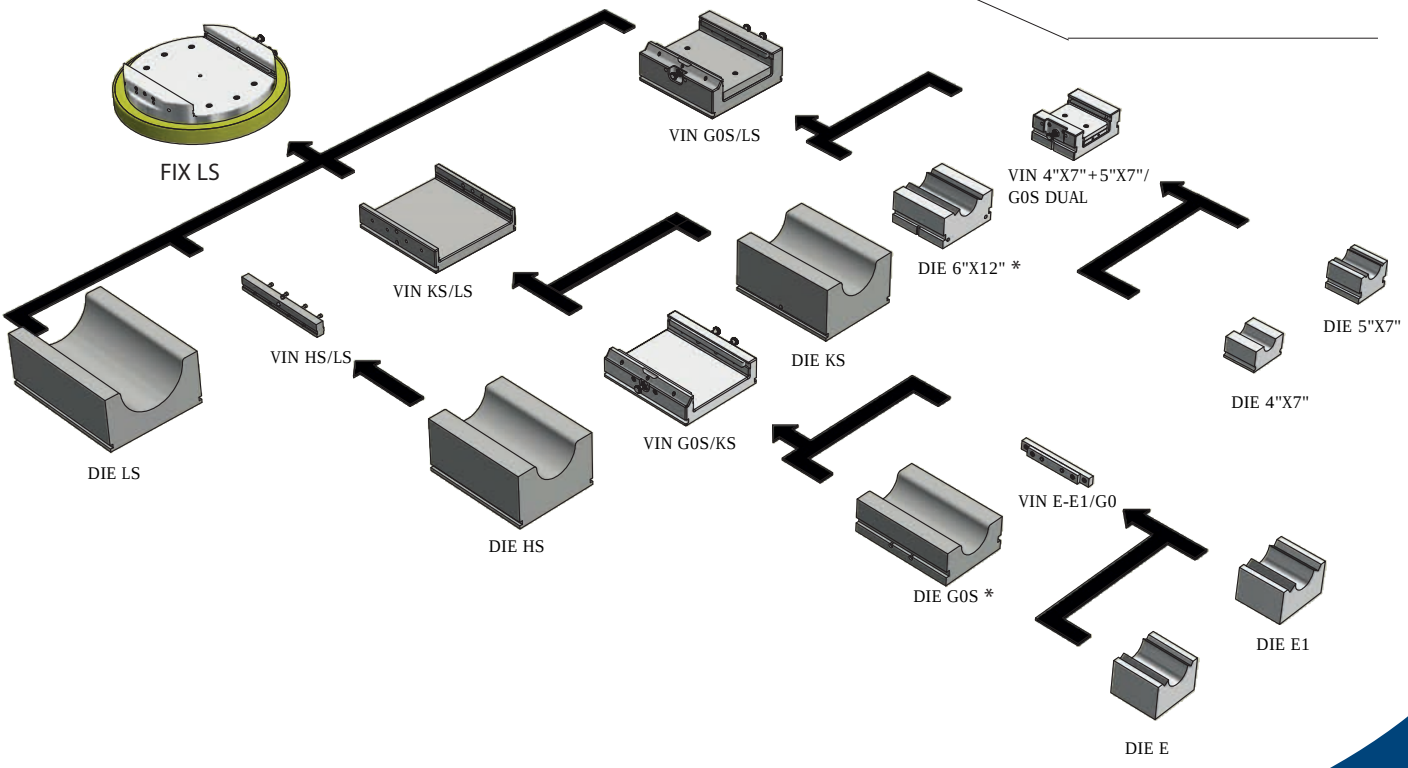


Die holders and dies for the 1000T 2S swagers



Die holders and dies for the 2000T 2S swagers

Die holders and dies for the 4200T 2S swagers



*Note! Swaging dies G0S is equal to 6"x12" dies.

SWAGER		P 0005T	P 0020T 1P	P 0040T 1P	P 0130T 1S/1W	P 0250T 1S
Max. swaging force (kN)		50	200	400	1300	2500
Type of die		5T GC16-C, 5T GC18-C, 5T GC20-C	A	A / A1	B1/B2	C/C1 alt. 2,5"x5" (B1/B2, 2"x3,5" with insert die holders)
Swaging capacity	Single stage (T)	N/A	6,5	9	16	22
	Multi stage (T)	N/A	10	13	20	30
	Flemish Eye	N/A	N/A	1/4"	5/8"	7/8"
Dimensions L*W*H (mm)		150 x 200 x 380	400x150x160	146x146x340	(1S) 520x360x665 (1W) 900x710x1050	1050x670x1450
Weight (kg)		10	18,7	37	(1S) 300 (1W) approx. 400	1050
Handpump		-	Integrated	P59L-40	-	-

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	T ferrules size	Single stage	24	32	34	34	44
		Multi stage	30	40	40	40	66
	STT Sockets/ Terminals size (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 size (carbon steel)		1"	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

SWAGER			P 2000T 2S	P 4200T 2S
Max. swaging force (kN)			20 000	42 000
Type of die			G0S (6"x12") (D, E, E1, 4"x7", 5"x7" with insert die holders)	LS (E, E1, 4"x7", 5"x7", G0S (6"x12"), KS with insert die holders)
Swaging capacity	T ferrules size	Single stage	60	94
		Multi stage	86	152
	STT Sockets/Terminals size (carbon steel)	Full shank	1 1/2"	3"
		Progressive	2 1/4"	
	TAL-X Flemish Eye sleeves size (carbon steel)		4"	6"
Dimensions L*W*H (mm)			2585x1000x2310	3300x1400x2900
Weight (kg) (approx)			9 000 (10 000 with RBS)	21 000 (22 000 with RBS)

Values above are approximate guidelines

Rigging Devices (optional equipment)

FOR SWAGERS 600T 2S - 4200T 2S

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

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.

4200T swager with RBS 130

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

Note! Only square mounted die holders are applicable.

1000T swager with RBS 75

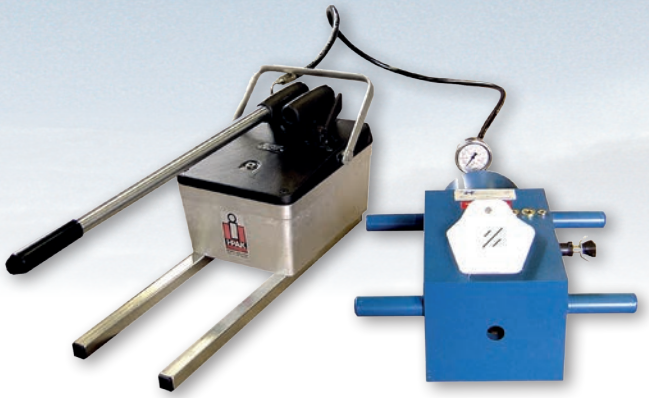
Pre-pressing machines

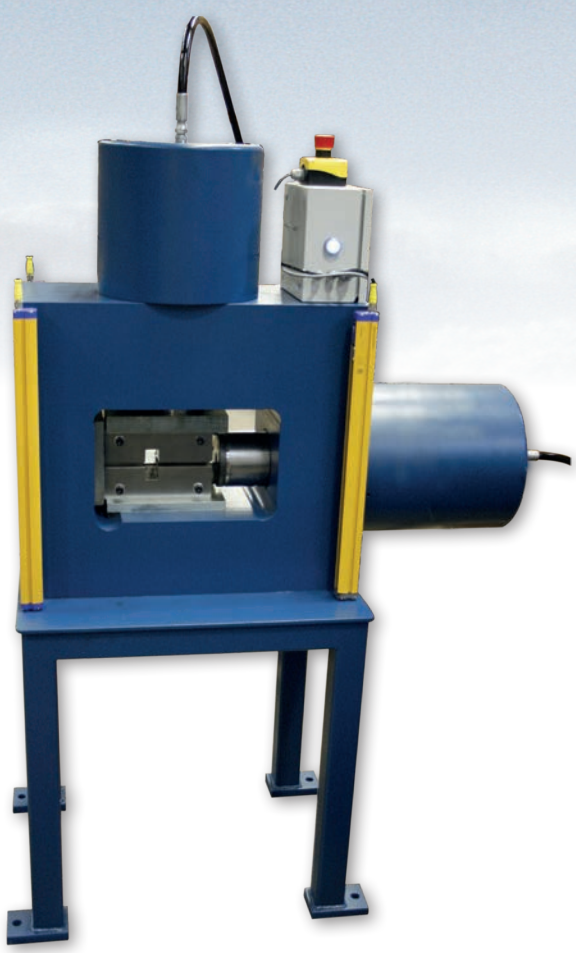
RB 50

RB 50 - Rigging Bench

The stand alone rigging bench simplifies the heavy mounting work with turnback ferrules T18 up to T52 or equal sizes in UM-type ferrules. Without the RB unit, several men are required during the mounting of ferrules on heavy wire ropes. With this machine you avoid blocking the swager during the time the loop is made.

The original mechanical splicing systems.





Special Machines

for Cold Forming

TALURIT®

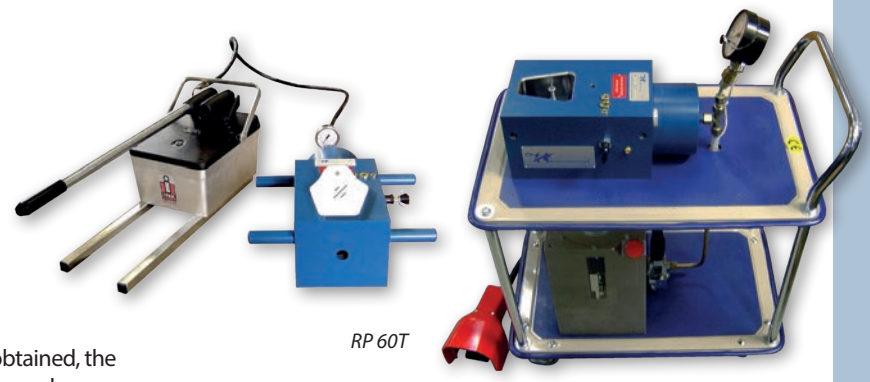
Rod Presses

These rod presses are used to reshape the end of a rod or shaft by cold forming.

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 and reshape 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 the dies 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 communicate with robots.



RP 60T

RP 260T

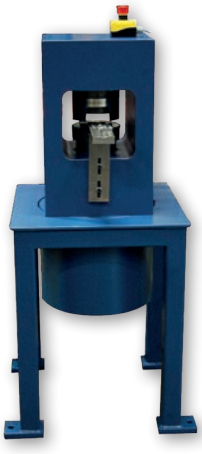
Special Cold Forming Machines

The Talurit Group provides automation engineering resources to design an effective production line using our machines.

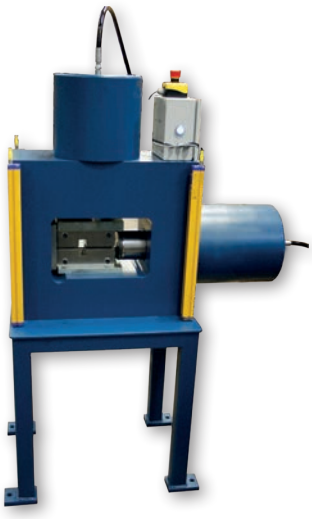
We also design special Cold Forming machines that can be integrated in automatic production lines with robotized feeding.

Samples of cold formed products

Control unit with touch screen



RPP 400T



RPS 260T

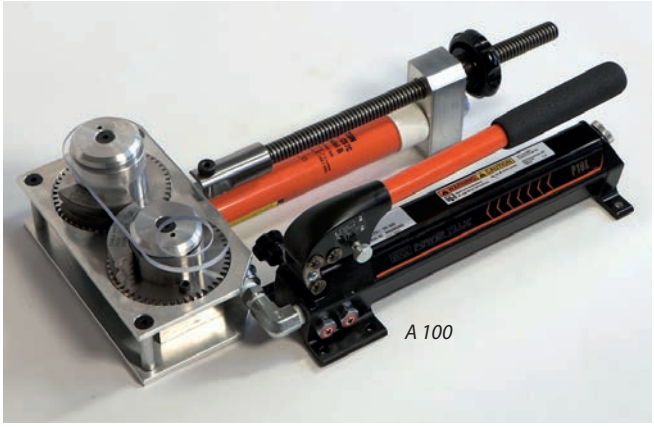
250T cold forming machine with safety light beam protection

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.
Weight: 11 kg



A 200

A200

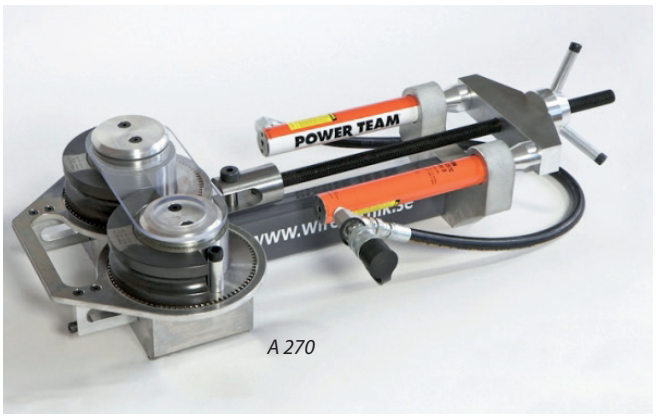
Extremely compact machine for swaging in the field.
A portable unit with very low weight and small outer dimensions.

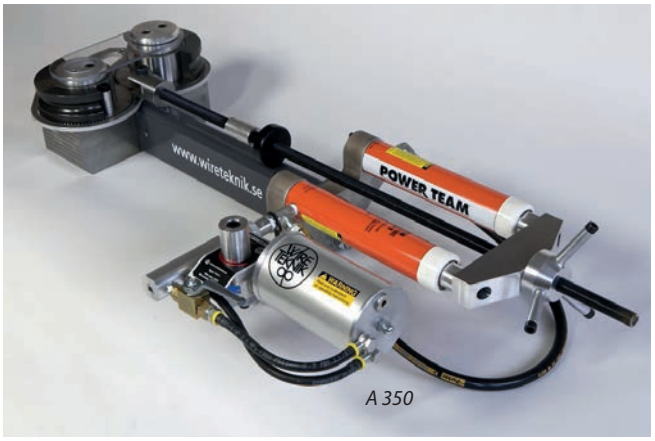
Swaging range: 1,6-8 mm wire.
Weight: 19,5 kg

A270

An upgraded design on the roller swager for swaging on-site.
Rigging screws can be swaged assembled.
A lot of accessories available.

Swaging range: 2,5-12 mm wire.
Weight: 51 kg





A350

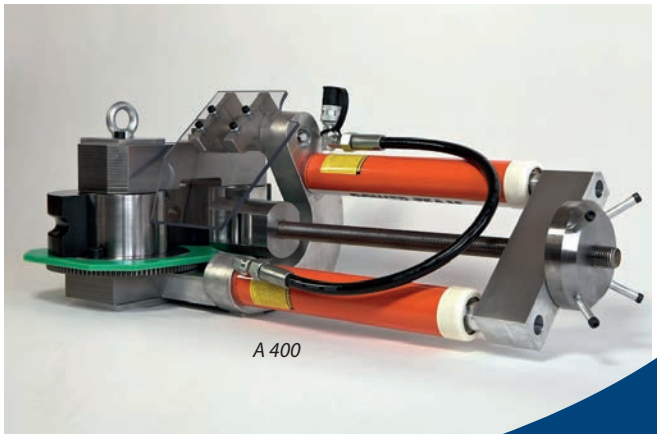
A suitable machine for line production. The low weight and small outer dimensions still makes it portable. Rigging screws can be swaged assembled. Hydraulic units are available both as hand pumps and motor pumps.

Swaging range: 2,5-16 mm wire.
Weight: 66 kg

A400

A heavy duty machine for swaging on-site or in the field.
This roller swager can swage large diameter swage terminals.
Rigging screws can be swaged assembled.

Swaging range: 8-28 mm wire.
Weight: 142 kg



Larger and special roller swagers are available on request!

Hand Tools

Talurit Group can offer a wide range of hand tools for the splicing and cutting of wire rope in smaller quantities , manually, electrically or hydraulically operated.

Manual Crimpers

Light-weight tongs. Can be used for pressing in spaces with difficult access. The tongs are intended for swaging of aluminium and copper ferrules from size no 1 to no 6.

Type STG: For wire rope ferrules no 1 to no 6. The tools are replaceable and pressing is done in sections along the entire ferrule length. Weight 3 kg.

Type STGL: Smaller tongs with fixed tools, intended to swage wire rope ferrules size no. 1 to no. 3,5. Very easy and flexible to use. Weight 1,9 kg

Type STGS: Our biggest sailor tongs. Available in three different models. One for ferrules size no. 04/04,5, one for ferrules size no. 05/06 and one for size no. 06,5. Weight 3,3 kg

Mini XL: A popular one handed tong, designed for crimping ferrules of size 1 to 2.5. The tongs are useful when you need to crimp ferrules on steel wire ropes in tight spaces and for non-critical applications.

STG *STGS* *STGL*

Mini XL

Hydraulic Crimpers

KW-C131-26: Manual, ergonomically designed lightweight hydraulic tool for swaging up to code 4 ferrules single bite and up to code 7 multi-bite. Two stage hydraulic system, substantially reduces cycle time. Open design for better accessability, rotatable 320 degrees. Comes complete with carrying case, with storage for 10 dies.

KW-D31: Manual, ergonomically designed, lightweight hydraulic tool for one handed swaging of steel wire ropes. Quick opening and closing head, rotatable 180 degrees. Presses up to code code 2.5 ferrules single bite and upto code 5 multi-bite.

KW-BPL-031: Hydraulic crimping tool operated by battery 18V Li-Ion 2,0 Ah. Working range: T01 – 02,5 direct. T 03 – 05 multi-bite. 18V Li-Ion battery, high performance with short charging time.

KW-BPL-062: Hydraulic crimping tool operated by battery 18V Li-Ion 2,0Ah. Working range: T01 – 03 direct. T03,5 – 06 multi-bite. 18V Li-Ion battery, high performance with short charging time.

KW-BPP-130-26: Hydraulic crimping tool operated by battery 18V Li-Ion 5Ah. Working range: T01 – 04 direct. T04,5 – 07 multi-bite. TALUCRIMP™ max 13. 18V Li-Ion battery, high performance with short charging time.

KW-C131-26

KW-D31

KW-BPL-031

KW-BPL-062

KW-BPP-130-26

Wire rope Cutters

CC04: Wire rope cutter CC04 is a one-hand cutter for up to Ø 4 mm steel wire rope.

C7: cuts wire rope up to 1/4 inch or 7 mm thick, high tensile steel strands up to 5 mm thick, stainless steel strands up to 4 mm, extra tough wire rope or strands up to 3 mm.

C9: cuts wire rope up to 3/8 inch or 9 mm thick, high tensile steel strands up to 7 mm thick, stainless steel strands up to 6 mm, extra tough wire rope or strands up to 5 mm.

C12: cuts steel wire rope up to 1/2 inch in diameter or 12 mm thick, high tensile steel strands up to 8 mm thick, stainless steel strands up to 6 mm, extra tough wire rope or strands up to 5 mm.

C16: cuts steel cable up to 5/8 inch or 16 mm in diameter, high tensile steel strands up to 14 mm thick, stainless steel strands up to 7 mm and extra tough wire rope or strands up to 6 mm.

CC04

C7

C12

C9

C16

The original mechanical splicing systems.

Swaging Dies

TALURIT®

Swaging Dies and Tools

Swaging dies are manufactured from Swedish high quality steel for optimal strength and service life. All our swaging dies and tools are manufactured in our work shop in Gothenburg, Sweden.

In addition to the comprehensive standard range, the company can also supply special dies and tools as per customer's specification. Material, quality and manufacturing processes are fully traceable with batch numbers through our quality system.

Ferrules, sleeves and swage sockets require individual dies depending on material and dimension. We develop and manufacture standard and special dies to cope with 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 LS.

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

Dies in die holders

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

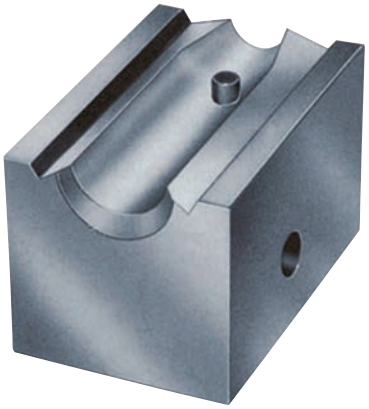
Dies

Conical swaging 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 swaging dies with special spigot

to swage TKH ferrule or TALUKON™. The spigot can be removed and replaced with a blanking-off bush for standard type ferrules. These dies are universal and can also be used for the cylindrical T, TCU, UM and R-type ferrules.

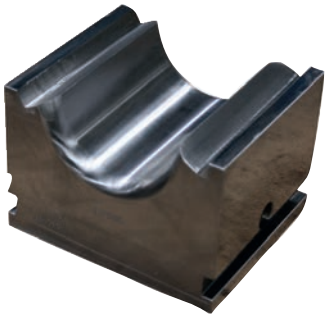


Cylindrical swaging dies

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

Several stage dies

are used when the swager capacity is not enough to close the (standard type) dies in one swaging. These several stage dies are used for type T, UM and TCU (cylindrical) ferrules.
The dies are available in two models: short several stage dies and long several stage dies.



Combined dies

are available in large die block B1 and C.

Type B1 block sizes:
Nos. 1+1,5 2+2,5 3+3,5
Type C block sizes:
Nos. 1+1,5 2+2,5 3+3,5 4+4,5 5+6

Dies for TAL-X sleeves

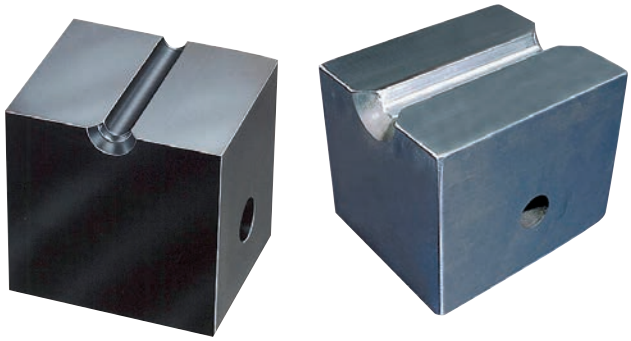
for carbon steel Flemish eye sleeves, type TAL-X.

Dies (cylindrical) for steel ferrules

for steel turnback ferrules type ST, SLST, STS and stainless steel ferrules INOX.

Dies for TALUSWAGE terminals

are used for swaging of terminals in stainless steel.
Both types can be swaged in round as well as hexagonal form.

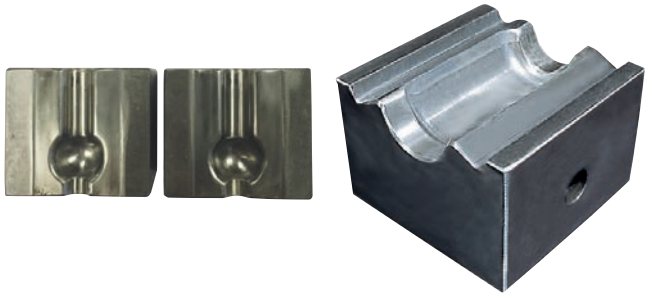


Dies for swage sockets and end stops

are intended for carbon steel swage sockets as well as special sleeves.

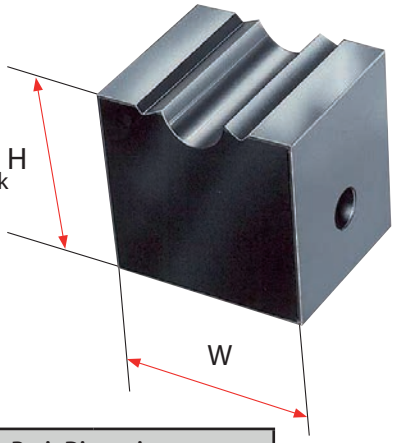
Special dies

Swaging dies for pressing customized fittings.



Dies in other sizes

Available on request both in mm and inch sizes. Also specials like hexagonal shape of bore or single shank and plain balls are available.



Dies Block size	Basic Dimensions	
	Height (mm)	**Width** (mm)
A	38	42
A1	38	50
B	48	50
B1	48	70
B2	50,2	70
C	78	80
C1	78	100
D	110	156
E	150	220
E1	150	250
F	200	250
G	250	300
G0S*	152,4 (6″)	304,8 (12″)
H	300	380
HS	300	380
K	200	400
KS	200	400
L	250	450
LS	250	450
2"x3½"	2" (50,8)	3½ (88,9)
2½"x5"	2½" (63,5)	5" (127)
4"x7"	4" (101,6)	7" (177,8)
5"x7"	5" (127)	7" (177,8)
6"x12"	6" (152,4)	12" (304,8)

* 6"x12" and G0 dies fits in G0S die holder.
Note: Smaller block sizes fit into larger swagers with insert die holders.

The original mechanical splicing systems.

Cutting Machines

TALURIT®

Cutting Machines

Talurit Group has developed a broad range of wire rope cutting and annealing machines over the years. The cutting machines include basic hand cutters, manually operated hydraulic shears, annealing and tapering machines, and many different fully automatic cutting machines. The annealing machines also include manual and fully automatic machines.

The automatic cutting machines with shears are very efficient and proven to have short pay back time. The machines are manufactured with safety and environmental concerns in mind.
Cutting machines are mainly intended for cutting preformed wire rope. We have a wide range of manual and automatic machines to choose from. The ideal machine can be chosen depending on the volumes of cutting required and the wire rope diameter range.

Annealed end *Square cut end*

Our annealing machines do not use shears, 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 twisted. After twisting, the rope is slightly rounded and the wires will not unwind. By increasing the distance between the clamping chucks the wire end becomes more pointed, e.g. ideal for excavating machines etc.

Wire rope cutting machines

MANUAL

LK 45 1S/1W and LK 65 1W

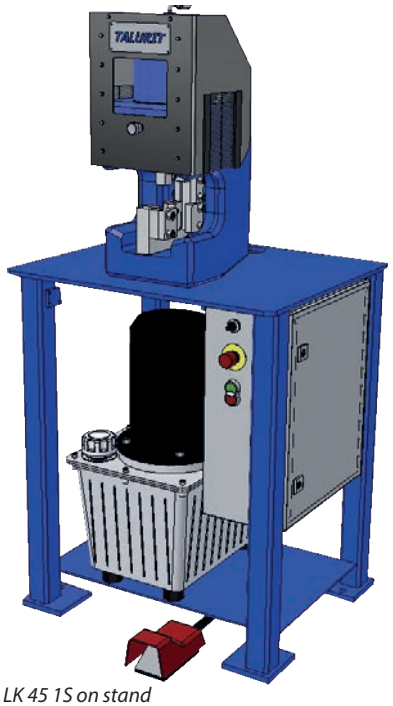
The LK 45 and LK 65 hydraulic shear cutting machines are ideal for cutting wire rope in a safe and clean way. The machines are designed for efficiency and are very economically priced.

Capacity of ordinary single layer round strand rope grade 1 960:
LK 45: up to Ø 45 mm wire rope
LK 65: up to Ø 65 mm wire rope

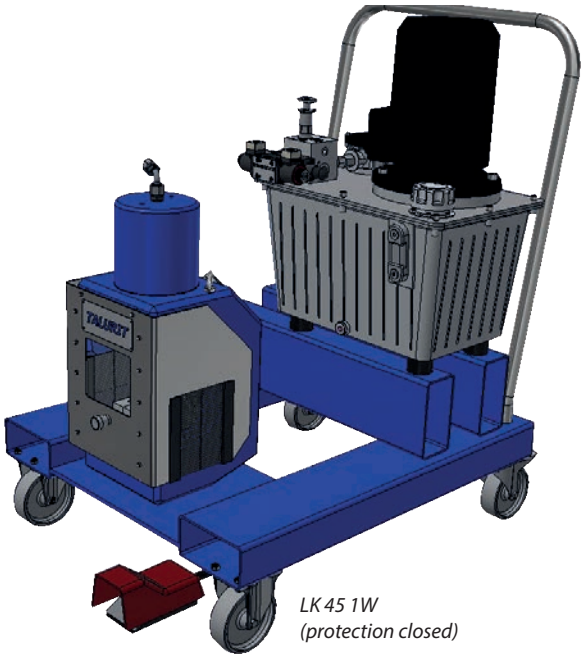
The open design allows quick and easy insertion resulting in speedy operation. Equipped with an automatic shut down after the cutting operation. The machines are easily started again by pressing the foot pedal. This 'green' measure saves valuable resources and allows a quieter work environment.

The machines are equipped with a safety device including a cover with inspection windows and brushes on both sides where the wire rope is inserted. This protects the operator and it is still easy to enter the wire rope.

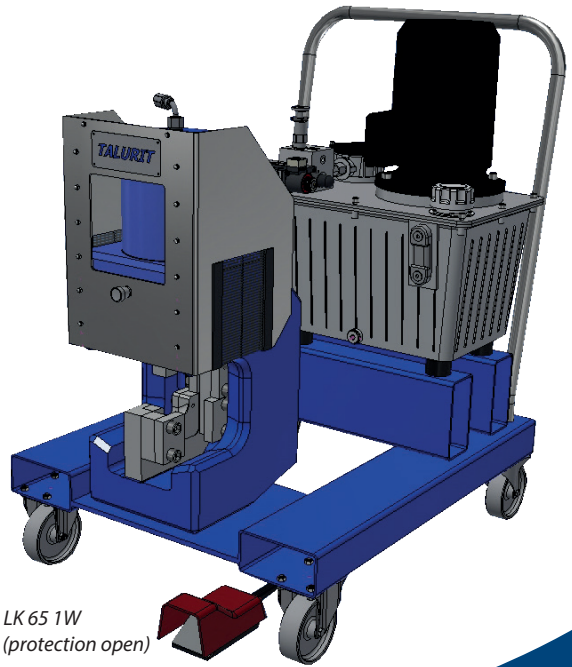
The LK 45 is available both on stand (1S) and on wagon (1W). The LK 65 is available on wagon (1W). Mounted on a wagon permits easy insertion of the wire rope since it is closer to the ground.



LK 45 1S on stand



LK 45 1W (protection closed)



LK 65 1W (protection open)

AUTOMATIC

Our automatic cutters are mainly designed for larger volumes and serial production. Shears perform the cutting operation. All of our automatic cutters have high precision 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 feeding tube. When the rope is cut, the feeding tube opens and the rope is ejected. Both the feeding tube and feeding unit is operated with electrical motors. The "clamping" of the wire rope is done pneumatically. Compressors are not included.

Note! Working range given on the machines is approximate and can be limited depending on wire rope construction.

TALURIT ADVANTAGES

- Quick return on investment
- Safe & clean
- Low noise level
- Fully automatic
- Works as many hours as you wish
- Wide range of diameter and rope constructions
- Stable blades/shears - replaceable
- Very accurate measuring
- Highly efficient
- Great cutting quality
- Long life of shears - can be grinded
- Envrionmentally friendly
- Ergonomic
- High precision/accuracy
- Very high repeatability

LKA 28

This machine is designed to cut up to 28 mm diameter wire rope. It has a feeding speed of 12-400 mm/sec and the standard feeding tube length is 3 m. Optional feeding tube sections of 3 m each can be added to achieve a maximum of 15 m.

The accuracy of the cut length is normally within ± 1 % of measured length. With a special calibration method it is possible to improve the accuracy.
Once the length to be cut is set, the repeatability is very high.

As an option you can choose guiding tubes that allows cutting from 3 mm up to 5mm wire rope.

Capacity of ordinary single layer round strand rope grade 1960:

LKA 28: Ø 5-28 mm wire rope

OPTIONS FOR LKA28

Feeding tube sections of 3 m (max. 15 m) (LKA 28-PS)

Coiling machine UL200

Uncoiling machine AVL -5000B

LKA 04

A very effecient and reliable automatic cutting machine for smaller sizes of wire ropes. The cut is made by shears and the feeding is managed by a pulling unit controlled by a linear guide. Measurements and number of cuts are programmed through the PLC unit by an operator friendly touch screen. The wire rope drum has an internal brake to prevent unnecceasry uncoiling.

Normal wire rope size range is from 0,5mm to 4mm. The cut length is very accurate and repeatability is excellent. Normal cutting length is up to 1000mm but can be programmed for longer lengths by repeated gripping.

Capacity of ordinary single layer round strand rope grade 1960:

LKA 04: **Ø 0,5-4,0 mm wire rope**

Wire Rope Annealing Machines

Our wire rope annealing machines twist the wire rope off by annealing. Current is applied to heat the wire when the rope is clamped. When the rope is red hot; twisting is started. After twisting, the rope is slightly rounded and the wires will not unwind.

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

The manual annealing machines are designed to optimize the annealing process to get excellent results and are extremely easy to operate. The clamping jaws are designed not to require altering of different wire rope diameters. The annealing machines excels because of their short annealing time, compact design and are very maintenance friendly.

LGK 02

The LGK 02 is a small light weight manual annealing machine for cutting steel wire ropes up to 2 mm.

- Effective: Few sparks, no loose wire
- Multiple functions: The high frequency control unit has overload protection, over-voltage protection, auto-delay, with power and works lamps. The annealing unit has vibration-resistance protection
- Safety: The annealing unit has a very low operating voltage, double insulation. The controller is completely closed.
- Wide scope of work: For steel core wire rope diameter of ≤ 2.0mm
- Easy to install and change.

LGK 14

Heat is generated where the cut is to be made, this is done by applying electrical current. The foot control allows the user to apply heat maintaining a good overview of the cutting process.

The LGK 14 has a capacity to anneal wire rope up to 14 mm diameter. It has 4 different power levels. It is recommended to connect the annealing machine to a ventilation system for efficient exhaust of the smoke.

AV 30

The AV 30 has a capacity to separate wire rope up to 30 mm diameter. The machine comes with four different power levels to be able to optimize the result of the tapered end during operation. The handle on the pulling chuck has a release function to alter the position of the handle. This makes it possible to always work in an ergonomic position when operating the machine. The machine can also be made mobile with optional wheels.

AV 30

AV 45

AV 45

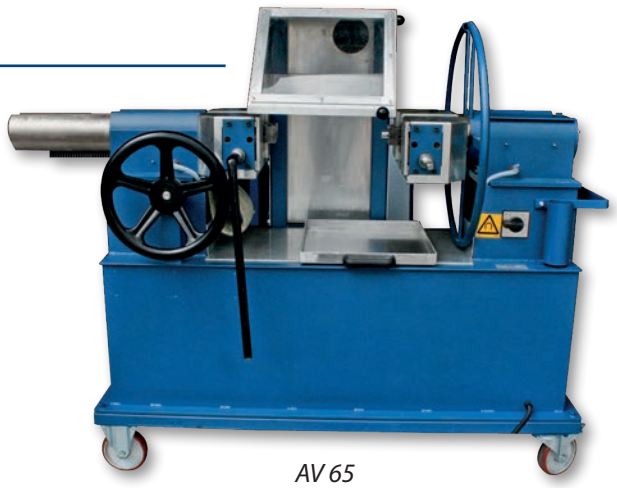
The AV 45 has a capacity to separate wire rope up to 45 mm in diameter. The machine comes with six different power levels to be able to optimize the result of the tapered end during operation. The movable chuck is equipped with a gear box for high and low speed. The machine can also be made mobile with optional wheels.

AV 65

The AV 65 has a capacity to separate wire rope up to 65 mm in diameter. The machine comes with five different effect levels to be able to optimize the result of the tapered end during operation.

The standard machine is equipped with a hood for safety reasons, both for protecting from sparks and heat but also to allow for efficient exhaust of the smoke. The hood can be opened for an easy insert of the wire rope.

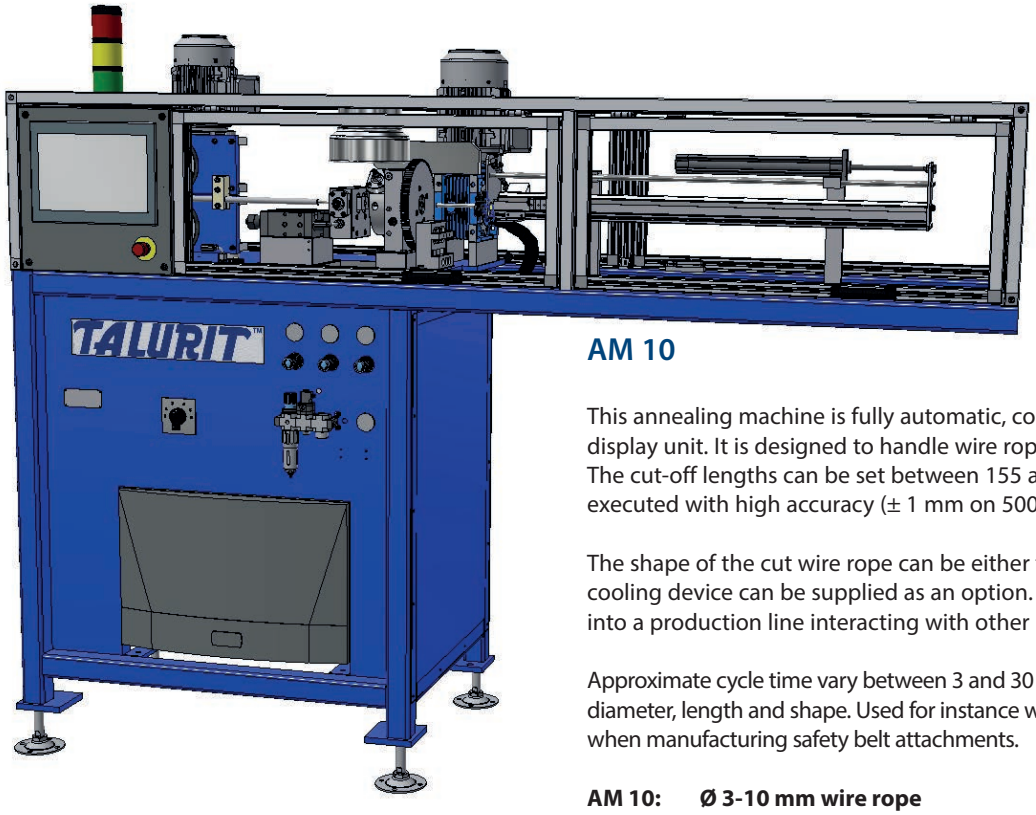
The machine is also equipped with connections for water cooling and can also be made mobile with optional wheels.



AV 65

AUTOMATIC

Our automatic annealing machines are extremely easy to operate. The automatic cutting machines are very efficient and proven to have a short pay back time. The machines are manufactured with safety and environmental concerns in mind.



AM 10

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 cut-off lengths can be set between 155 and 1 100 mm and are executed with high accuracy (± 1 mm on 500 mm length).

The shape of the cut wire rope can be either tapered, rounded or flat. A cooling device can be supplied as an option. It can be custom made to fit into a production line interacting with other machinery.

Approximate cycle time vary between 3 and 30 sec. depending on wire rope diameter, length and shape. Used for instance within the automotive industry when manufacturing safety belt attachments.

AM 10: **Ø 3-10 mm wire rope**

Chain Cutters

CC20T

The CC20T chain cutter is designed for heavy use and is equipped with a solid stainless steel cover. It is designed to cut chains with pinch-ended cuts. The chain cutter is CE-marked.

The cutter is hydraulically operated with a maximum pressure of 645 bar. It cuts chains up to Ø 12, grade 8 (max hardness 44 HRC). Shears are easy to change. Less than 20 strokes close the shears!

Due to lightweight and easy operation it is suitable to use in the field. The pump handle is also used as a carrying handle in its locked position.

CC40T

The CC40T chain cutter is designed for heavy use and is equipped with a solid stainless steel cover. It is designed to cut chains with pinch-ended cuts. The chain cutter is CE-marked.

The cutter is hydraulically operated with a maximum pressure of 700 bar. It cuts chains up to Ø 22, grade 8 (max hardness 44 HRC). Shears are easy to change.

There are two different ways to use the CC40T. Either a handpump or a hydraulic unit (HAGG 1,5/700X-V3) can be attached to complete the system.

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 to get customized solutions.

UL 800 and UL 1200

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

For the **UL 800** a wooden reel is possible with a maximum diameter of 900 mm and 400 mm width. Maximum rod diameter is 48 mm. It is not applicable with a reel for the **UL 1200.**

Maximum load: 800/1200 kg

UL 7000

Integrated or stand-alone application for reeling and optional coiling. Adjustable inner diameter and coil width. The maximum diameter and width for a reel is 1500 mm and 1190 mm.

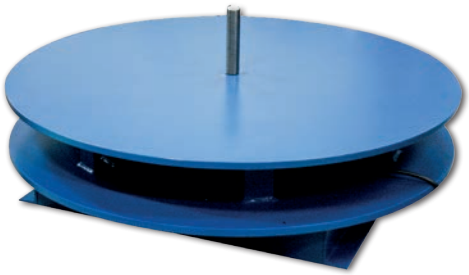
Maximum load: 7000 kg

UL 200

This machine is intended for coiling of preformed wire ropes. It can coil wire rope up to Ø 20 mm. The UL 200 could be a stand alone coiling machine or intergrated into a system solution. Such a solution is when adding the cutting machine LKA 28 and the uncoiling machine AVL-5000B, which combined will make a semi-automatic cutting machine that uncoils, measures, cuts and coils the wire rope.

Maximum load: 200 kg

AVL-5000, AVL-5000B and AVL-10000B



AVL-5000 is ideal as a manual stand alone uncoiling unit. It can however be upgraded to an AVL 5000B by installing an electromagnetic brake.

AVL-5000B and AVL-10000B is primarily designed to be an integrated part of a TALURIT wire rope handling system for automatic cutting, coiling and measuring, for example the LKA 28-PS.

AVL-5000B and AVL-10000B are equipped with an electrical brake synchronized with the cutting machine. This to avoid the reel to uncontrolled unwind the wire rope.

Maximum load: 5000/10000 kg

AVL 5000M

AVL-5000M is designed to be operated as a stand alone unit or to be an intergrated part of a TALURIT™ wire rope handling system together with a measuring and cutting unit. This motor-driven machine can be used for reeling and unreeling wire rope drums.

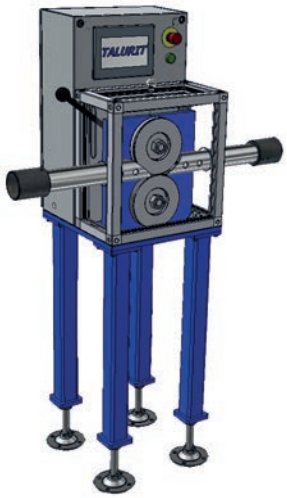
The machine is equipped with a drum fixing device. The maximum height that can be locked when the drum is placed on the machine is 1450 mm.

Maximum load: 5000 kg

AVL 500 M

The uncoiling machine AVL-500M is normally used together with an automatic cutting machine forming an integrated production system, such as the AM 10. It i s designed for uncoiling wire ropes from drums of wood or steel. For safety reasons the machine is equipped with meshes.

Maximum load: 500 kg



MA 45 ADV - Length measuring unit

This unit for accurate length measuring of steel wire ropes is available to be mounted on the TALURIT™ wire rope annealing machines, cutting machines or as a stand alone version.

The MA 45 ADV with an advanced PLC and 7" touch screen is allowing several in- and output signals and has a length calibration for even higher accuracy and length conversion to show mm, cm, m, inch and feet.

Coiling Machines
IN COOPERATION WITH CHANT ENGINEERING

High Speed Coiling Machines

High speed coiling machines are powered by a motor with a chain drive.
Variable speed, 0-60 rpm, motor activated by foot switch.

Available options:
Remove coiling head/add shaft for smaller reeling, add reverse feature, banding unit/coil dispenser, wire guide, counter, cut off saw, oversize options - width and/or height, customization, according to your specifications.

Gantry Style Coilers and Reelers

Gantry style take-ups and payouts are the heaviest duty machines on the market today.

Available options include hydraulic or electric drive, touchscreen operator control, collapsible coilers, closed loop tension and rope length controls.

Gantry style machines are available for reels from 2,0 ton with 1 m flange diameters to over 45,0 ton with 4,5 m flange diameters and widths up to 4.5 m.

MoGS5

Model	
GS5	2,3 ton steel frame, 3 phase - 3.72kW, 0-60 RPM, Reel size 300mm to 930mm x 910mm to 1140mm (WxH)
GS10	4,5 ton steel frame, 3 phase - 7.45kW, 0-58 RPM, Reel size 300mm to 1470mm x 910mm to 2080mm (WxH)
GS20	9,0 ton steel frame, 3 phase - 14.91kW, 0-40 RPM, Reel size 300mm to 1470mm x 910mm to 2080mm (WxH)
GS30	13,5 ton steel frame, 3 phase - 22.37kW, 0-33 RPM, Reel size 260mm to 1670mm x 910mm to 2080mm (WxH)
GS40	18,0 ton steel frame, 3 phase - 29.82kW, 0-33 RPM, Reel size 260mm to 1670mm x 910mm to 2080mm (WxH)
GS50	22,5 ton steel frame, 3 phase - 37.28kW, 0-25 RPM, Reel size 260mm to 1670mm x 910mm to 2080mm (WxH)
GS60	27,0 ton steel frame, 3 phase - 44.74kW, 0-25 RPM, Reel size 260mm to 1670mm x 910mm to 2080mm (WxH)

Other sizes available on request

Available for all models

- Run take up from either side pendant and 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

Take-Up Machines

1,8 ton take-up machine

3,5 ton take-up machine

The shaftless take-up machines are used to mechanically/hydraulically raise and lower reels to coil systems. These machines are extremely heavy-duty and have proven themselves in years of rugged, real world industrial and military environments.

Re-Reevers

The new line of re-reever style take-up machinery is used in winding wire rope onto a spool or for paying out from a spool.
These machines are extremely heavy-duty and have proven themselves in years of rugged, real world industrial and military environments. Load force to be specified by customer.

Available sizes: 2-75 ton

The original mechanical splicing systems.

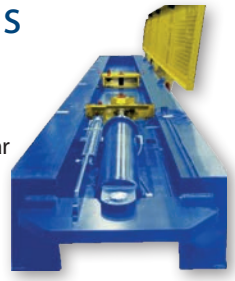
Testing Machines

In Cooperation with Chant Engineering Co. Inc.

TALURIT®

CHANT
Chant Engineering Co. Inc

Horizontal Test Beds

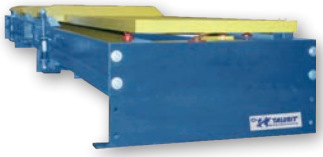


The test beds are used to tension test or proof test, wire rope, fiber rope, chain, lifting slings and other types of lifting gear .

These state of the art machines are controlled by a computer with a special developed software. They are operator friendly and using touch screen technology. All test beds will perform proof load testing, destructive (break) testing, cyclic testing and long term fatigue testing (depending on options). 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. Certificates are saved and archived for future reference.

All the tensile test benches are individually built to satisfy specific customer requirements and are manufactured to relevant EN/ISO standards. They can all perform tensile tests to the full range of the machine capacity.

Many different type of testing machines are available on request.



These machines are extremely heavy duty and have proven themselves in years of rugged, real world industrial and military rigging environments. Each machine is designed for maximum operator safety. Our prooftest machines are enclosed on the sides and ends with fully opening, hydraulically actuated, operator safety guards.

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

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.

1500T 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.

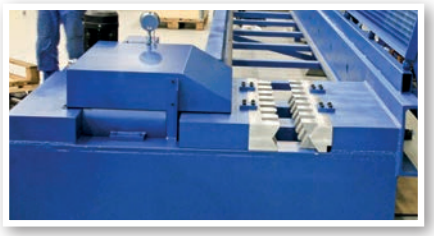
The movable head is hydraulically controlled so that it can walk down the frame under load to remove slack from the specimen prior to load testing.

Wire Rope Grips

Our wire rope grips are heavy duty, precision made 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 and it 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.

Complete power pack with touch screen control

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 prooftest 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 prooftest 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.

Mobile

All TALURIT/Chant Engineering Mobile Test Beds are designed for on the job site testing. By bringing the machine to your customer's site, you eliminate shipping costs, down time and employee expense. This is a a value added service for your customers.

TALURIT's/Chant Engineering's new innovative design eliminates the weight and cost of the typical flatbed trailer. We have built the goose-neck and wheels onto the machine frame, saving weight and allowing you, our customer, to get higher capacities and larger machine lengths, without the worry of increased weight.

The hydraulic and electrical controls/components are designed for outdoor and mobile use. The machines are also available with hydraulic wire rope grips, that allow the testing of very long specimens.

Torque

The TALURIT/Chant Engineering Model No. 9100-100K Torque Testing Machine is used to perform static torque tests from 10,000 in-lbs to100,000 in-lbs on test shafts up to 20 feet long. The 9100-100K Torque Testing Machine comprises a 25 ft long torque loading frame, an adjustable reaction head, a torque-loading spindle, a portable hydraulic power source with control valves, torque cell, and a control panel with digital display.

Pre-stretch Beds

TALURIT/Chant Engineering Pre-stretch Beds are used by wire rope manufacturers and fabricators to pre-stretch wire rope before shipment to customers. Pre-stretching seats the individual wires in the rope under load, to minimize further stretching of the final product.

There are many different styles of TALURIT/Chant Pre-stretch Beds available to suit your specific requirements. Each machine is custom made to order, with any capacity, width, height or length, available.

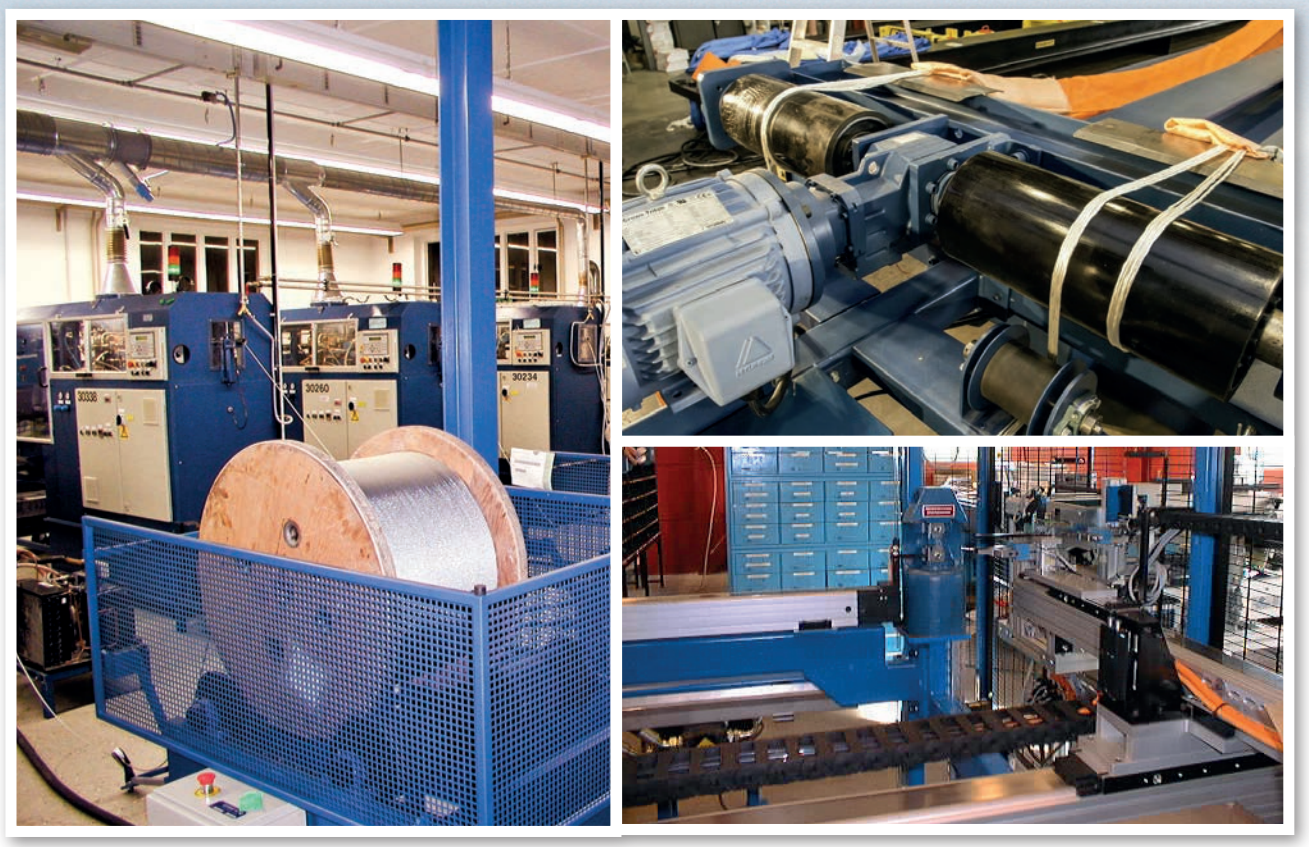
Hydrostatic

TALURIT/Chant Engineering Co. Inc. makes a wide variety of pressure testing systems used to pressure test (hydrostatic test) parts of various types.

The TALURIT/Chant Engineering Model 9600 Hydrostatic Test Station is a dual test station machine.

The user inserts the parts to be tested; the machine clamps the units in place and then brings the pressure up to the desired test pressure and holds it for the set time. Complete test data acquisition is available for all TALURIT/Chant Hydrostatic Test Systems.

The original mechanical splicing systems.



Special Machines

Stations/System Solutions

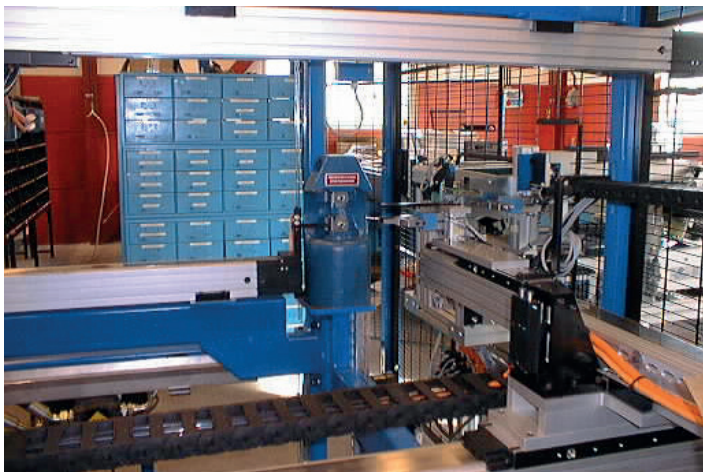
TALURIT®

Stations/System Solutions

Round Sling Machine

The 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 (44,5kN). of tension force, this machine can make very high capacity rounds slings quickly and easily.

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



Dropper Manufacturing Station

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

Fully automized.

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.

TALURIT®

Engineering & Service

Developing New Products

The Talurit Group prides itself on constantly developing new ferrules and fittings to keep up with the pace of our customers' demand. We are always looking long term into future development of our existing and new product lines.

The Talurit Group has 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 70 years of practical experience with the latest technology our engineers can quickly provide the market with solutions.

The constant dialogue with the customers is our inspiration.

Advisory Service

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

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. Examples of specimens are wire rope slings, chains, hardware 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.

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

Similar maintenance service is available for all our other machines.

The following maintenance procedures are included in our service packages:

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

Testing

We can offer 4 types of testing

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 working 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

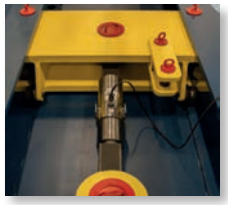
- Test to see how much load a specimen can stand before it breaks.
- Certificates will be issued showing load/time and elongation/time in the same diagram.

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)

Calibration

We offer worldwide calibration service with our EN ISO 376 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 are requested to 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 half 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 correct sized 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 half 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

HALF 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 *Sevice and training*, or go to FAQ under *Advisory service*.
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