



Catalogue and price list 2025

ACB+
Free your productivity



Why choose ACB+ for your attachments?



A firm belief in our products offering efficient, smart and robust attachments to boost your productivity.



Easy-to-use products ensuring the safety and comfort of operators.



A comprehensive and customised range of innovative and patented products.



95% of our products are designed and manufactured in France, with personalised support from our team based 100% in France.



Responsive customer service with more than 1,000 couplers and 2,000 tools in stock and next-day spare parts delivery to your dealer.

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Our DNA

ACB+ is the essential partner manufacturer that, since 1963, has been equipping hydraulic excavators (from the 500 kg mini-excavator to the 100-ton excavator) and loaders. 95% of our products are designed and manufactured in France, in our plants, located in the Beaujolais and in the Val de Loire.

For almost 60 years and with the experience of more than 150,000 machines already equipped with the Morin Original system, our equipment offers the peace of mind and productivity that you need.

ACB+'s goal is to transform your hydraulic excavators and loaders into productive, multi-functional tool holders.

Boosting your productivity

We support you every day to help **improve your productivity.**

To achieve this:

- We offer solutions to **transform your machines, hydraulic excavators and loaders into multi-functional tool holders:** save time by changing a tool in an instant, and win more contracts by performing all the kinds of work requested by your customers.

- We design our equipment to **match the original kinematics and to respect the manufacturer's load tables.** Our new couplers offer you more day-to-day agility. You will go further in your finishing work and will be able to optimise the time, equipment and workers needed on your sites.
- We pay particular attention to offering you **reliable and durable products**, in order to minimise machine down time. Our presence alongside you is extended, thanks to great responsiveness in the event of a problem, to providing real support. As proof, **our customer support department delivers 85% of spare parts on the next day** for all orders placed before midday.

**OPT FOR PEACE OF MIND WITH
MORE THAN 150,000 MACHINES
ALREADY EQUIPPED!**



A firm belief in our products

We believe that our products must always be **100% efficient**.

So optimum compatibility and fine-tuning are never forgotten. All our products **adhere to the original kinematics and load tables**.

To guarantee the high-quality design of all our products, our **design department uses 3D CAD software** combined with an efficient technical data management system.

CSR policy

We have been **committed to a QSE-CSR process since March 2019**, and have recruited a QSE Coordinator. We have allocated resources to assess our actions and developed a **continuous improvement programme**.

- We always opt for suppliers that are **geographically close** with the aim of integrating into and invigorating the local industrial and economic fabric, as well as minimising our environmental impact. As a result, almost 60% of our purchases are regional and 85% are French.
- **Social responsibility**: As for our customers, we make every effort to provide safe working conditions for our employees.
- **Environmentally sustainable development**, in particular by sorting all our waste.
- **ACB+ is committed to its community and local development**: socially committed organisation in the public interest, taking account of local conditions and regional development by sponsoring a number of clubs and associations.

Robust engineering for long-lasting products

Our engineers use simulation and finite element stress computing software. This design process **ensures a long working life for our products**.

- Our products are also high quality, due to **the grades of steel and the thicknesses** used. Our entire range of buckets is offered, as standard, with double bottoms, to ensure a longer working life.
- All our products are **functionally inspected** after production and particular attention is paid to welds and their finish. Robotic welding gives our products **consistent quality and optimum strength**.

This means that you benefit from a two-year warranty for all our couplers and a one-year warranty for tools, excluding wear parts.

A comprehensive, multi-systems offer

Every type of coupler

From module M0 to module M7+, for excavators up to 45 tons, we offer a broad range of mechanical and hydraulic couplers with the **Morin Original** system.

This range of couplers has been expanded to enhance your working agility. Indeed, the addition of the tilt, rotation and tiltrotator functions on your coupler will enable you to use your tool in the optimum position for specific jobs, at all times.



Our catalogue now also includes ultra-tilting and tiltrotator couplers using the **CW Verachtert**, **Lehnhoff**, **S Nordic Standard** and **SW Liebherr original systems**.

Please feel free to contact us. We will advise you perfectly openly on the solution that best meets your needs.



A vast range of tools for all quick coupling systems

These products can be adapted to other common quick coupling systems on request. Our eight design department staff will design the product that meets your needs and is compatible with your machines, based on our entire range of tools.

This comprehensive approach will enable ACB+ to be your one-stop supplier for equipping complete machines and/or supplying additional couplers and tools for existing equipment, **whatever your quick coupling system**.





Your safety is a top priority

Safety is a top priority. We are committed, in relation to our customers, to provide a maximum level of safety.

Within this objective, our development department is actively involved in changing European standards. This commitment, upstream of the standards texts, enables us to anticipate changes in our products for full regulatory compliance.

Thus, **we comply strictly with all applicable standards** and acknowledge the impact that we can have in the **improvement of the operators' life at work, and their protection.** We also know that safety means developing **products that are simple to use.**

The development of all our products is based on this principle.

For this reason, we have **developed and patented a safety system** on our locking cam: the Form-lock. This system, used on all our **Morin Original** system couplers, is exclusive to ACB+. It holds the tool on the coupler with total reliability and prevents unintentional unhooking. The couplers also have other functions that allow the tool to be held without play.

Our remote and in-the-field customer service

Your productivity is one of our key priorities and our aim is to always provide quick and professional assistance, irrespective of the product for which you need our help.

Please don't hesitate to make use of our services, to help you find the product that best meets your needs or for answers to technical questions or those relating to use, **our team is there to provide the technical support you need.**

We do everything we can to minimise your machine down times, so if you **need a spare part, we offer next-day delivery to your dealer for all orders placed before noon (in more than 85% of cases).**

We train and support our dealers and partners, to ensure they are able to offer the best possible service.

We provide field support, either directly or by means of one of our local partners in your area.

Most of the time, any issues that may arise on the ground are managed by your dealer. However, you may need our help, and our team is available as a backup resource.

Please don't hesitate to call us on +33 4 74 66 82 49, or contact us via website at acbplus.com



Warranty

Please follow the recommendations for use and maintenance appearing in the User Manual, which is supplied with our products. This allows you to benefit from a **two-year warranty for all our couplers** and tilting and rotating couplers or tiltrotators, and a **one-year warranty for tools, excluding wear parts.**

COUPLERS AND OPTIONS

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SELECTING THE RIGHT MODULE AND TOOLS FOR YOUR EXCAVATOR

The aim of the process described below is to help you choose the right coupler and tools, to get the best out of the machine.

Assigning the coupler module and tool to the machine

It is vital to choose the right ACB+ coupler module with the Morin Original System for your machine. You have to define the right module, as a function of your machine specification, to ensure maximum reliability of the Fastener/Tool combination.

This choice opens up a broad range of tools compatible with your machine in terms of force at the tine and bucket capacity.

The selection process generally involves:

For the coupler

- Choose the Morin Original system module, based on the weight of the carrier,
- Check that the torque developed by the vehicle bucket kinematics is compatible with the forces for which the module and its tools are rated. (see page 12)

For the tool

- Define the application: GP, HD or XHD (General Purpose, Heavy Duty or Extra-Heavy Duty).

Soil classes as defined by DIN18300:

- GP application: classes 1 to 3
- HD application: classes 4 to 5
- XHD application: classes 6 to 7

The ACB+ range of tools offers outstanding strength and equipment quality. The double-bottoms on the backhoe buckets have been adopted for the entire bucket range, for both mini-excavators and excavators.

- Define the tine category (Dxx)

Tine size is determined by the breakout force developed by the excavator and by the application. (see page 13)

The bucket range

There are generally two bucket profiles per module. The profile is selected as a function of the bucket radius and of the machine's lifting capability.

The vehicle's overturning limits and the nature of the material worked must be taken into account when sizing the tool. A simple calculation of the total equipment weight (coupler weight + bucket weight + bucket load weight) will enable you to check that the tool is compatible with the machine by comparing it with the load table value as per ISO 10567 for your machine in the following situations:

- transverse turret,
- lifting load at maximum range.

The total equipment weight, calculated using ACB+ data, must be less than the value without the bucket or coupler provided in the manufacturer's table.

An Excel tool is available on acbplus.com for you to perform this check. Please contact us for more information.

Tine class (Dxx) for the bucket

Like the couplers and tools, wear parts (tines) are rated for a given maximum force.

The application and the force developed at the tine define the tine size to be used for the tool. The tine class (Dxx) is specified in both the coupler table and the tool table.

The product guide contains all the information you need to choose your equipment

- Select the manufacturer and model of your machine.
- You will find the recommended module, bucket range and tine class for a GP or HD application
- If your machine isn't shown in the selector, contact us.

A failure to follow our recommendations invalidates your right to benefit from the statutory warranty.

For all specific applications, please contact our technical department first.

Materials worked and densities

The table below contains the usual material densities needed for your checks.

MATERIAL	DENSITY - LOOSE
Clay and dry gravel	1.42 t/m ³
Clay and wet gravel	1.54 t/m ³
Dry clay	1.48 t/m ³
Sedimented clay	1.66 t/m ³
Wet clay	1.66 t/m ³
Basalt	1.96 t/m ³
Kaolin bauxite	1.42 t/m ³
Crushed granite	1.66 t/m ³
Wet gravel	1.93 t/m ³
Dry gravel	1.51 t/m ³
Sandstone	1.51 t/m ³
Ground gypsum	1.67 t/m ³
Crushed gypsum	1.66 t/m ³
Mud	1.25 t/m ³
Ground natural stone	1.60 t/m ³
Altered rock: 25 % rock - 75 % earth	1.57 t/m ³
Altered rock: 50 % rock - 50 % earth	1.72 t/m ³
Altered rock: 75% rock - 25% earth	1.96 t/m ³
Crushed calcareous rock	1.54 t/m ³
Sand and compacted clay	2.40
Sand and wet clay	2.02 t/m ³
Sand and dry gravel	1.72 t/m ³
Dry wet sand	1.69 t/m ³
Dry loose sand	1.42 t/m ³
Dry wet sand	1.84 t/m ³
Crushed slag	1.75 t/m ³
Compacted dry earth	1.51 t/m ³
Loose wet earth	1.60 t/m ³



**THERE ARE VARIOUS TOOLS
ON OUR ACBPLUS.COM
WEBSITE TO HELP
YOU CHOOSE**

Module limit characteristics and tine categories

Limit characteristics table

The data for our range of couplers is shown in the table below.

	M0	M1	M2	M3
				
Min. weight - Max. weight (t)	0.5 t - 2 t	2 t - 3.5 t	3.5 t - 5.5 t	5.5 t - 7.5 t
Max. breakout force (kN)	19	28.4	38.5	56
Typical bucket radius (mm)	536	750	900	1,000
Max. torque (mkN)	10	21	35	56
Tine class (HD)	D5	D5	D8	D10-D15

	M4	M5	M6	M7 - M7+
				
Min. weight - Max. weight (t)	7.5 t - 10 t	10 t - 15 t	15 t - 24 t	24 t to 35 t - 35 t to 50 t
Max. breakout force (kN)	73	110	180	249
Typical bucket radius (mm)	1,200	1,300	1,600	1,900
Max. torque (mkN)	88	143	288	473
Tine class (HD)	D15-D20	D15-D20	D20-D30-D40	D40-D55-D65 and D80

Tine class table

Each tine has its own specific limits in relation to the breakout force applied by the vehicle. It is therefore essential that the tine selected should have sufficient strength to withstand the forces imposed, so that the tines do not break or wear prematurely. To help you choose, ACB+ has classified tines on the basis of the breakout force for which they were designed.

The table below lists the main standard tines, by manufacturer, broken down by tine category. **One-piece bolted** tines appear in bold.

TINE CLASS	RANGE OF FORCES AT THE TINE (KN)	BYG FUTURA TWISTER	CAT J	CAT K	C-REX	COMBI C / PRO-CLAWS	ESCO ULTRALOK	FEURST FASTKEY
D5	35 to 52.5		CAT0 135-9390				MINI T29	M15
D8	52.5 to 62.5	FT130S	J200 1U3202 / CAT2 6Y6335				V13SYL	FKMCE
D10	62.5 to 90	FT170S	J225 6Y3222				V17TYL	FKITLR
D15	90 to 122.5	FT190S	J250 1U3252		R10GPE		U20S	FK2TLR
D20	122.5 to 150	FT230S	J300 1U3302	K80 220-9089	R14GPE		U25S	FK3TLR
D30	150 to 215	FT290S	J350 1U3352	CA90 220-9099	R18GPE		U30S	FK4TLR
D40	215 to 270	FT330S	J400 7T3402	CA100 220-9109	R23GPE	W10GPE	U35S	FK5TLR
D55	270 to 340	FT390S	J450/J460	K110 220-9119	R29GPE	W20GPE	U40S	FK7TLR
D65	340 to 411	FT430S FT510S	J550	K130 220-9119		W25GPE	U45S U55S	FK9TLR
D80	411 to 540						U60C	FK11PR

TINE CLASS	RANGE OF FORCES AT THE TINE [KN]	FEURST SIDEKEY	JCB	KOMATSU PRIME	MTG / KINGMET / STARMET	VOLVO	OTHER
D5	35 to 52.5				MG5L	5GPC	DE365/17-7
D8	52.5 to 62.5	SDMTLS			MG8L	8GPC	
D10	62.5 to 90	SDITLS	531-03205	P004SYL	MG10L	10GPE	
D15	90 to 122.5	SD3TLS		P005SYL / P010SC	MA15U	15GPE	
D20	122.5 to 150	SD4TLS		P015SC	MA20U	21GPE	
D30	150 to 215	SD5TLS		P020SC	MA30U	30GPE	
D40	215 to 270	SD7TLS		P025SC	MA40U	40GPE	
D55	270 to 340	SD8TLS		P030SC	MA50U	55GPE	
D65	340 to 411	SD9TLS		P040SC	MA60U	65GPE	
D80	411 to 540				MA120E1		

The general application adopted for this classification is the HD application. Tine performance should be increased by around 20% for an XHD application and reduced by around 20% for a GP application. Contact us for any extrapolation.

Example for a tine that has to withstand a breakout force of 85 kN developed by the machine

	FORCE CONSIDERED (KN)	TINE CLASS	READING
HD application	85	D10	62.5 < 85 < 90
XHD application	85 x 1.2 = 102	D15	90 < 102 < 122.5
GP application	85 x 0.8 = 68	D10	62.5 < 68 < 90

Complete example of how to read the ACB+ price list

Here's a concrete example of how to read the ACB+ price list to assign the right module and tine class from the tool to the machine.

- Machine brand: Brand Example
- Machine model: Model Example

Open the Coupler Table pages and select the line corresponding to the machine brand and model

BRAND	MODEL	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL COUPLER		HYDRAULIC COUPLER	
					ITEM CODE	PRICE	ITEM CODE	PRICE
Brand Example 1	Model Example 1	6	61	D20			5107887	-
Brand Example 2	Model Example 2	6	62	D40			5104145	-


Depending on the machine, the table identifies the coupler item code, 5107887 (here in hydraulic), as well as bucket range 61 and tooth class D20 (this is not displayed for modules 0 to 2, as it is not significant).

Open price list tab for module 6


- Select the desired tool table, then the tine, for the recommended class, in this case D20.
- Select the line for the desired width/capacity to identify the item code or part number in the desired tine column, as well as the bucket weight, total weight, number of teeth and tool price.

Specially designed for construction and renovation work, HD BUCKETS offer the best performance for your application. The standard HD version can be reinforced with shields, side cutters, corner protectors, skids, plates, etc.


CAT K80 220-9089
Thickness 35 mm - D20



C-REX 14GPE
Thickness 30 mm - D20



ESCO U25S
Thickness 30 mm - D20



Bucket with teeth

PART NUMBER	WIDTH (mm)	ISO CAPACITY (l)	BUCKET WEIGHT (kg)*	TOTAL WEIGHT (kg)	PRICE EXCL. VAT (€)	NUMBER OF TEETH	ITEM CODE	NUMBER OF TEETH	ITEM CODE	NUMBER OF TEETH	ITEM CODE
R-6CP2E-400	400	433	478	1,257	-	2	K80	3	R14GPE	2	U25S
R-6CP2E-500	500	386	477	1,172	-	2	5076693	3	R14GPE	3	5074208
R-6CPIE-620	620	492	550	1,436	-	3	5067559	3	R14GPE	3	5068882
R-6CPIE-700	700	518	520	1,452	-	3	K80	4	R14GPE	3	U25S
R-6CPIE-800	800	596	579	1,652	-	3	5070186	4	R14GPE	4	5087953
R-6CPIE-900	900	697	619	1,874	-	4	K80	5	R14GPE	4	5067834
R61-PIE-1000	1,000	719	738	2,032	-	4	K80	5	R14GPE	4	5068883
R61-PIE-1100	1,100	812	683	2,145	-	5	5094360	5	R14GPE	5	5069860
R61-PIE-1200	1,200	905	727	2,356	-	5	5070169	6	R14GPE	5	5071821
R61-PIE-1300	1,300	999	764	2,562	-	5	5067987	6	R14GPE	5	5087943

Profile 6CP2E Tapered

Profile 6CPIE

Tooth type, tooth class and blade thickness

Tool line with product information

Note:
For the widest buckets, it is your responsibility to check that the lifting capacity of the machine is not exceeded by the chosen tool:
- Total column weight (density of 1.8) AND Coupler weight (noted on each page for each module)
- An EXCEL calculation tool is available at www.acbplus.com for these calculations.

Order formulation

Use information from the tables as follows:

- Coupler item code

Hydraulic coupler	Brand example	Model Example	5107887	-
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- Item code or part number reference + tool tooth

Bucket 1	R61-CP1E-620	5067559	K80 teeth	-
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Bucket 2	R61-CP1E-700	-	K80 teeth	-
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When the product is not listed 5xxxxxx codes by ACB+, be sure to specify the generic part number (in this case R61-CP1E-700) and the chosen teeth. We will acknowledge receipt with the final coding for your product.

Add any useful details that will help us understand your needs and deliver the right product. Don't forget the available product options, and add hydraulic control kits for hydraulic couplers.

THE MORIN ORIGINAL SYSTEM

FOR A PLAY-FREE CONNECTION



A well-deserved reputation

Designed by the Morin brothers in the nineties, ACB+ has developed **the Morin Original coupling system for use with hydraulic excavators from 0.8 tons to 50 tons** in eight sizes known as "modules".

These couplers are **patented and compliant, in terms of safety, with the latest EN474-1 and 5 and ISO13031 standards.**

As a component manufacturer in its own right, ACB+ offers you **couplers** compatible with your machine **in accordance with the manufacturer's kinematics** and **an extremely wide range of robust and reliable tools** designed and approved by our design department.

Control devices for hydraulic quick couplers are available for your machine and we endeavour to provide you with the best advice and support to ensure completely safe incorporation of our products into your machine.

ACB+ guarantees the compatibility of all its tools, which it has been producing for more than ten years.

However, should our couplers have tools made by third parties attached, ACB+ is unable to guarantee compliance with safety standards. The use of such tools could seriously compromise safety, when interacting with the safety devices on our couplers, in terms of the dimensions of the connection, collisions or simply the intrinsic mechanical strength of tools that may be supplied by third parties.

ACB+ presents the features of **its classic couplers**, as well as its latest products, its **free couplers**: Tilting Couplers, Rotating Couplers and Tiltrotators.



CLASSIC COUPLERS

Efficient, simple and reliable couplers available with the Morin Original system with mechanical or hydraulic locking.



Robust, reliable and play-free

Mechanical and hydraulic couplers are **steel castings**, which are perfect for long-term use.

The **locking device with play compensation by means of a cam**, ensures that the tool is held perfectly on the coupler.

Thanks to these devices and precise and generous contact surfaces, **it is possible to continuously use a hydraulic breaker** on these couplers.

Easy module identification

We use **one colour code per module**, this colour is applied to one element of the coupler and to the corresponding key. This is particularly appreciated in multi-module installations.

The module (x) is also engraved on couplers and tools, and is clearly visible: M(x)S for mechanical couplers, H(x)S for hydraulic couplers, M(x) for tools.

Easy to use and a dual safety system

Mechanical couplers

Mechanical couplers are **automatically locked and secured from the cab** by means of a simple tool hitching movement by the excavator arm. The tool is gripped by hooks and then locked by a rotating movement of the coupler towards the tool.

A form on the bucket releases the coupler cam, which locks it in position and, in the same movement, **the safety device prevents the cam recoiling. A mechanical "hitching complete" indicator light is visible from the cab.**

Mechanical couplers are **unlocked** in a single step using the key: the safety device is raised and the cam is then unlocked in the same movement.

With the Morin Original system, you only climb down from the machine once in a complete hitching / unhitching cycle.

Dual locking safety system: The Morin Original system mechanical coupler has a dual safety system, comprising:

- An automatically activated **stop** that prevents any risk of the cam recoiling – a patented system,
- **A cam equipped with the patented form-lock system** that prevents any risk of unlocking, even if the safety stop fails.



Hydraulic coupler

The tool is hitched and unhitched from the cab.

Simply pressing two buttons on our control unit at the same time places the coupler either in a hitching or unhitching position.

An audible beep and a warning light accompany these statuses on the unit and **there is a mechanical locking indicator on the quick coupler, which is visible from the cab.**



In the event of hydraulic issues with the hoses supplying the coupler, it can be **unlocked with a standby key**, this ensuring continuity of service, while repairs are carried out.



Dual locking safety system: The Morin Original system hydraulic coupler has a dual safety system, comprising:

- **Return springs** ensuring the cam is held in position, thereby keeping play to a minimum,
- **A dual-action hydraulic actuator**, the rod of which is under constant pressure, holding the cam in the locked position,
- **A cam equipped with the patented form-lock system** that prevents any risk of accidental unlocking if the two previous devices fail.



Classic mechanical couplers modules 0 to 4

M0S	M1S	M2S	M3S	M4S
				
0.5 t - 2 t	2 t - 3.5 t	3.5 t - 5.5 t	5.5 t - 7.5 t	7.5 t - 10 t
Prices on quotation only, please contact us for more information.				

Classic hydraulic couplers modules 1 to 7+

H1S	H2S	H3S	H4S	H5S	H6S	H7S - H7S+
						
2 t - 3.5 t	3.5 t - 5.5 t	5.5 t - 7.5 t	7.5 t - 10 t	10 t - 15 t	15 t - 24 t	24 t - 35 t - 50 t
Prices on quotation only, please contact us for more information.						

(*)H5S and H6S couplers can be fitted with an optional electronic display kit. It is standard on H7S models. Each kit includes a sensor with mounting hardware and 5 electrical connection cables with "M12" connectors. Depending on the coupler and machine configuration, the kits may also include an in-cab display unit. The table opposite specifies the item codes to be supplied for your configuration.

(**): kits without a display unit are sufficient to equip additional dippersticks fitted with their own coupler, when the machine is already fitted with an H7S coupler with its unit installed in the cab. (Demolition uses).

It will then be necessary to electrically connect the coupler to the machine each time the dipperstick is changed, using the waterproof electrical connectors supplied.

COUPLERS	DISPLAY KIT WITHOUT UNIT**	DISPLAY KIT WITH UNIT
H5S	5107605	5136122
H6S	5103728	5136102

More information



Reversibility



Mound bucket

This is a bucket equipped with an inverted kit that provides a direct hookup on the coupler using the Morin Original System, for working on a mound.

The hitching and unhitching system is identical to a standard bucket.

This system is available for all our Morin Original system tools and is fully customisable. Please contact us for more information.

Reversible kit

Available for all Morin Original system tools, from modules 0 to 4, the reversible kit is only available in a mechanical version and is an intermediate element that allows the tool to be changed over to a shovel in a few steps.

Like the classic coupler, the mechanical reversible kit has features of the Morin Original system, thus hitching and unhitching steps remain the same as for your classic mechanical or hydraulic coupler.

REVERSIBLE KIT	MODULE	PART NUMBER	PRICE EXCL. VAT (€)
M0	0	5093427	-
M1	1	5093144	-
M2	2	5092910	-
M3	3	5103445	-
M4	4	5107121	-

Rotating coupler

Thanks to 360° rotation, perform up to 80% of the work of a tiltrotator at a far lower cost. Available in hydraulic or mechanical versions.

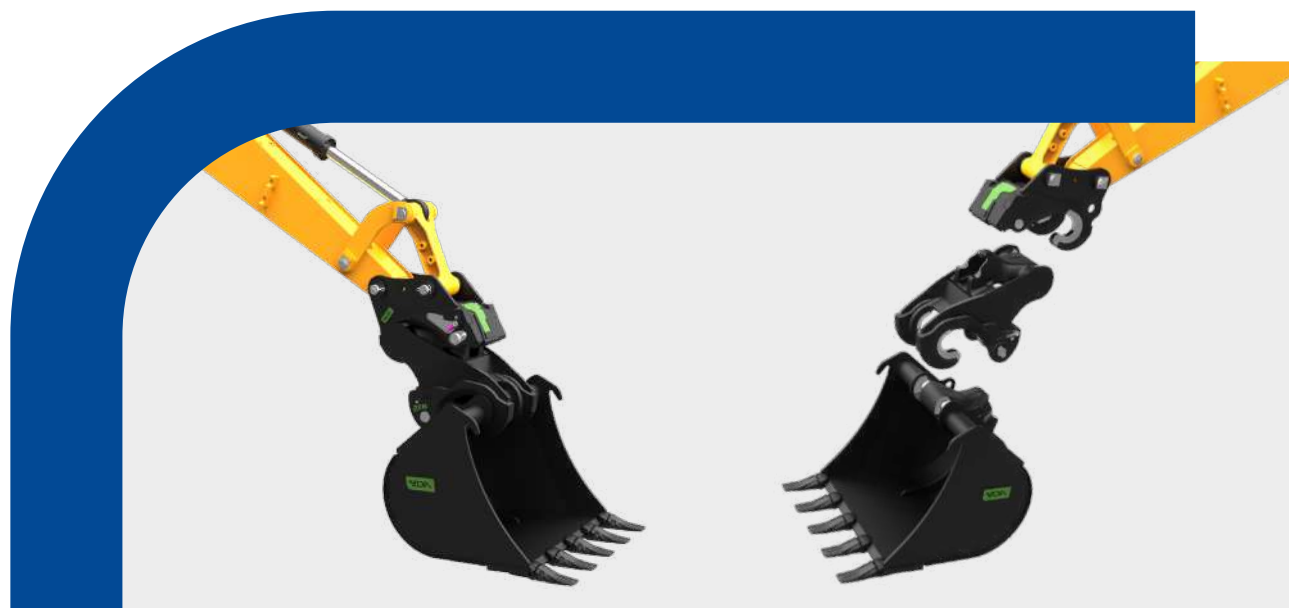
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Tiltrotator

The multi-function coupler with 360° rotation and ±50° tilt combines manoeuvrability with productivity. Available in a hydraulic version.

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FREE COUPLER RANGE

± 90° ultra-tilting with power unit



Mechanical



Hydraulic

- HYDRAULIC BREAKER USE PROHIBITED
- NON ORIGINAL SYSTEM
- VERACHTERT SYSTEM CW
- LEHNHOFF SYSTEM L
- MODIC STANDARD SYSTEM S
- LIEBHERR ORIGINAL SYSTEM SW
- OTHER SYSTEMS ON REQUEST

360° rotation



Mechanical



Hydraulic

- OCCASIONAL HYDRAULIC BREAKER USE
- NON ORIGINAL SYSTEM
- VERACHTERT SYSTEM CW
- LEHNHOFF SYSTEM L
- MODIC STANDARD SYSTEM S
- LIEBHERR ORIGINAL SYSTEM SW
- OTHER SYSTEMS ON REQUEST

Tiltrotators

with 360° rotation and ± 50° tilt



- HYDRAULIC BREAKER USE PROHIBITED
- NON ORIGINAL SYSTEM
- VERACHTERT SYSTEM CW
- LEHNHOFF SYSTEM L
- MODIC STANDARD SYSTEM S
- LIEBHERR ORIGINAL SYSTEM SW
- OTHER SYSTEMS ON REQUEST

Free couplers add weight and require integration work on your machine, which must be taken into account when ordering

To achieve this, ACB+ will work with you to develop a product that is tailored to your needs, performance and machine configuration.

Feel free to use our product specification sheet on pages 200 and 201.

This sheet is the starting point for our joint approach, which will ensure the compatibility of the coupling/ tool assembly with your machine, taking account of current safety standards.

ACB+ can support you right up to the installation of your couplers and tools on your machines.

ULTRA-TILTING FREE COUPLERS

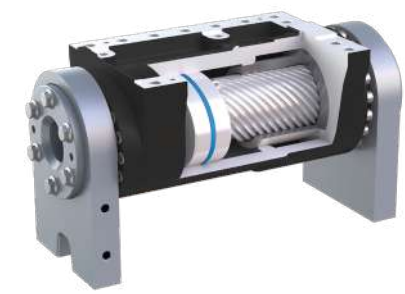
These couplers, which are available in a mechanical or hydraulic version, tilt up to $\pm 90^\circ$ and include the properties of the Morin Original system at the bottom.

Maximum performance

The compact design ultra-tilting coupler with power unit is the perfect coupler for public works, and for creating and maintaining embankments, as well as for all your finishing work. **It will enable you to use smaller trenches and to access more extreme positions.**

The patented tilt function is based on an elliptical piston and a single helical gear system unlike other tilt systems, which comprise two helical gear systems and are often much larger.

All the power unit's internal components are lubricated with hydraulic oil, which keeps maintenance to a minimum. The power unit is protected by robust mechanical stops at its travel limits.



To ensure that the tilt is maintained, a dual non-return valve may be installed as an option.

Installation is quick and easy due to the use of a simple proportional auxiliary line from the excavator.



- MORIN ORIGINAL SYSTEM
 - VERACHTERT SYSTEM CW
 - LEHNHOFF SYSTEM L
 - NORDIC STANDARD SYSTEM S
 - LIEBHERR ORIGINAL SYSTEM SW
 - OTHER SYSTEMS ON REQUEST
- HYDRAULIC BREAKER USE PROHIBITED

Mechanical ultra-tilting couplers **Modules 0 to 4**

M0S	M1S	M2S	M3S	M4S			
							
0.5 t - 2 t	1.5 - 2 t	2 t - 3.5 t	3.5 t - 5.5 t	4.5 t - 5.5 t	5.5 t - 7.5 t	6.5 t - 7.5 t	7.5 t - 10 t
RA02	RA02	RA045	RA045	RA07	RA07	RA10	RA10
Prices on quotation only, please contact us for more information.							

The ultra-tilting coupler with power unit, which is available with the Morin Original system, is now available with **CW Verachtert, Lehnhoff, S Nordic Standard and SW Liebherr Original systems**. In these cases, the coupler adopts the characteristics of the chosen system. Please contact us for more information.

Hydraulic ultra-tilting couplers **Modules 1 to 6**

H1S	H2S	H3S	H4S	H5S	H6S					
										
1.5 - 2 t	2 t - 3.5 t	3.5 t - 5 t	4.5 t - 5.5 t	5.5 t - 6.5 t	6.5 t - 7.5 t	7.5 t - 10 t	10 t - 14 t	13 t - 15 t	15 t - 19 t	19 t - 23 t
RA02	RA045	RA045	RA07	RA07	RA10	RA10	RA14	RA19	RA19	RA23
Prices on quotation only, please contact us for more information.										

The configuration of the ultra-tilting coupler is determined by your machine and our design office.

ROTATING FREE COUPLERS

ROTO+

These couplers, which are available in a mechanical or hydraulic version, rotate by 360° and include the properties of the Morin Original system at the bottom at a lower cost than a tiltrotator.



Did you know?

A rotating coupler offers far more possibilities than a tilting coupler.

Compared to a tiltrotator, it allows you to perform more than 80% of the work of a tiltrotator with real benefits in terms of performance, operation and integration into the machine. Lighter, more compact, greater hydraulic flow, easier to install, more economical, the rotating solution offers real advantages.

Compared to a tilting coupler, it offers you greater mobility, as well as the precision required for public works applications, embankments with complex shapes, trench filling, mounding and riprap work, pallet handling and finishing work around obstacles.

Compared to a classic coupler, it offers you a time saving of 10% for excavation, 30% for public works and 50% for landscaping work, simply because you can handle even the minutest details of your finishing work.

- **Tool reversibility in half a turn:** without removing your tool, it changes from being used as a hoe bucket to a shovel in seconds.
- **Rotation that tilts the bucket:** thanks to the combination of rotation, the bucket kinematics and that of the rotating coupler, you can perform all your embankment and trench filling work.

The rotating coupler is the perfect response to your sites' need for versatility.

ACHIEVE ALL YOUR AMBITIONS WITH THE ROTATING COUPLER



Performance and Reliability

The ROTO+ rotating coupler has a **compact design**, preserving the machine's performances to the greatest extent. Thus the force at the tine is still greater than with a tilting coupler or a tiltrotator.

The irreversible principle of the **wheel and worm gear system** naturally allows the tool to be always maintained in the correct position.




A hydraulic rotary joint facilitates high throughputs and the use of a grapple, milling cutter and hydraulic breaker. The hydraulic rotary joint is optional for all mechanical couplers. An optional **electrical rotary joint is available** for the transmission of electric signals.

No major conversion in the cab and no extra hydraulic equipment is needed for installation. As most machines are factory fitted with two auxiliary lines, the highest speed line is thus kept for supplying tools, such as hydraulic breakers.

Driver familiarisation is quick and easy thanks to their compact design and control via a single hydraulic function in the cab.

The ROTO+ rotating coupler is compatible with the majority of 2D/3D guidance systems. A rotation sensor can also be incorporated in order to benefit from this over-equipment.

Mechanical rotating couplers **ROTO+** modules 1 to 4*

RM1S	RM2S	RM3S	RM4S
			
2 t - 3.5 t R04-0	3.5 t - 5.5 t R06-0	5.5 t - 7.5 t R11-0	7.5 t - 10 t R11-0
Prices on quotation only, please contact us for more information.			

The ROTO+ rotating coupler, which is available with the Morin Original system, is now available with **CW Verachtert, Lehnhoff, S Nordic Standard and SW Liebherr Original systems**. In these cases, the coupler adopts the characteristics of the chosen system. Please contact us for more information.

Hydraulic rotating couplers **ROTO+** modules 1 to 4*

RH1S	RH2S	RH3S	RH4S
			
2 t - 3.5 t R04-4	3.5 t - 5.5 t R06-5	5.5 t - 7.5 t R11-5	7.5 t - 10 t R11-5
Prices on quotation only, please contact us for more information.			

* Other models, for machines above 10 t and/or other coupling systems, available on request

In addition to the mechanical and hydraulic versions, two rotating coupler versions are available:

With hydraulic tools: means that the coupler is equipped with several hydraulic channels permitting the connection of hydraulic tools.

- As standard, these couplers are supplied with flat-faced male connectors for 1 double-acting line + 1 drain.

- As an option, a second double-acting line can be fitted, as well as a 12-way electrical connection passage.

Without hydraulic tools: means that the coupler does not offer the option of connecting hydraulic tools.

TILTROTATORS

NOX INSIDE

FREE COUPLERS

These multi-function couplers, which are available in a hydraulic version, are equipped with 360° rotation, ±50° tilt and include the properties of the Morin Original system at the bottom



- 

MORIN ORIGINAL SYSTEM
- 

VERACHTERT CW SYSTEM
- 

LEHNHOFF L SYSTEM
- 

NORDIC STANDARD S SYSTEM
- 

LIEBHERR ORIGINAL SW SYSTEM
- 

OTHER SYSTEMS ON REQUEST



Maximum functions

The tiltrotator is the most complete coupler in terms of functions, and is used on hydraulic excavators from 3.5 to 25 tons.

The 360° rotation and ±50° tilt **allow the tool attached to the coupler to be moved simultaneously in all directions.**

Our tiltrotator ^{nox inside} is tried and tested and is **the most compact on the market.** Unlike other tiltrotators **no parts protrude beyond the coupler, allowing you to work in narrow trenches or in a forest environment.**

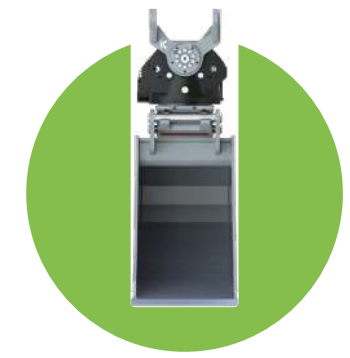


Tiltrotators with exposed actuators

- High structure to ensure sufficient clearance
- Exposed actuators, which are susceptible to impacts in narrow trenches
- Necessary maintenance of articulation bearings and actuator bearings
- The assembly is overhead and exposed depending on the model.

Tiltrotator ^{nox inside} without actuators

The patented tilt function is based on an elliptical piston and a helical gear system to provide the tilt function. **This arrangement allows for a low construction height, minimising the loss of breakout force for all tools attached to the tiltrotator, with no visible actuators.**



Tiltrotator ^{Nox Inside} without exposed actuators

With the patented tilt system:

- The assembly is compact and fully integrated, The height is reduced by design
- the coupler's width is smaller by around 120 mm depending on the model
- The tilting torque is constant over the entire angular range

Robust and proven positioning

The wheel and worm gear system of the slewing ring is generously dimensioned to absorb breakout forces.



It operates in a completely sealed oil bath, with no maintenance required for a long working life.

DF4 control system

The DF4 control system needs two dual-action hydraulic circuits. (DF4 i.e. 4 connecting hoses).

Rotation and tilting can be executed simultaneously with the machine's original proportional control system.



The DF4 cab control unit can also electrically divert the tilt function to:

- Two hydraulic extra functions to supply your hydraulic tools
- or one extra function for your tool and the other for the optional integrated grapple, if required.

Naturally, the hydraulic rotary joint is factory fitted, an optional electrical rotary joint is available.



Machine requirements for the DF4

A high-speed auxiliary line with proportional control to control tilting, as well as the extra functions

A medium-speed auxiliary line with proportional control to control rotation

One ON/OFF button per extra function is required on the existing levers to control their switching. If necessary, ACB+ can provide supplementary buttons as an option.

Hydraulic tiltrotators ^{Nox Inside} modules 2 to 6

H2S	H3S	H4S	H5S	H6S
				
3.5 t - 5.5 t	5.5 t - 7.5 t	7.5 t - 10 t	10 t - 15 t	15 t - 24 t

Prices on quotation only, please contact us for more information.

The Tiltrotator ^{Nox Inside}, which is available with the Morin Original system, is now available with CW Verachtert, Lehnhoff, S Nordic Standard and SW Liebherr Original systems. In these cases, the coupler adopts the characteristics of the chosen system. Please contact us for more information.

Choosing the right type of quick coupler for your business

The coupler specification sheet is available on page 200.


















		CLASSIC COUPLER	ULTRA-TILTING COUPLER WITH POWER UNIT	ROTATING COUPLER	DF4 TILTROTATOR	SOLUTIONS NOT RECOMMENDED BY ACB+	
						DF4 SANDWICH TILTROTATOR	CSP SANDWICH TILTROTATOR
Degree of freedom		Fixed	±90° or ±70° tilt (depending on the model)	360° rotation	360° rotation and ±50° tilt (90° combined movement)	360° rotation and ±50° tilt (90° combined movement)	
Machine	Breakout force (BOF)	++	++	++	+	+	+
	Lifting capability	++	++	++	+	+	+
	Equivalent jib offset	0	0	++	++	++	++
	Machine equipment	1 QC line*	1 QC line* + 1 auxiliary line	1 QC line* + 1 auxiliary line	1 QC line* + 2 auxiliary lines	1 quick coupler line + 2 auxiliary lines	
	Hydraulic flow rate at the rotary joint for tools	0	0	++	+ (standard version) ++ (High Flow version)	Low to very low or High Flow option	
	Thumb compatibility	++	0	0	0	0	0
	Driver familiarisation time	0	2 to 3 days	1 week	3 to 4 weeks	3 to 4 weeks	4 to 6 weeks
	Installation time	1 to 4 hours	4 to 8 hours	4 to 8 hours	6 to 12 hours	7 to 20 hours	16 to 36 hours
	Price	€	€€	€€€	€€€€	€€€€€	€€€€€€
	Use of tilt + rotation + extra function in simultaneous proportional mode	Not applicable				No	No
Tools	Mound working	0**	0**	++	++	++	++
	Max. bucket width	++	+	+	+	++ (removal)	++ (removal)
	Backhoe claw compatibility	++	0	0	0	0	0
	Universal grading bucket	+	+	++	++	++	++
	Pallet forks (excavator with valves)	++	+	+	+	++	++
	Sorting grapple	Rotating	Rotating	Fixed	Fixed	Fixed	Fixed
	Rock excavation use	Occasional	Prohibited	Prohibited	Prohibited	Continuous with removal	Continuous with removal
	Hydraulic breaker use	Continuous	Prohibited	Occasional	Prohibited	Continuous with removal	Continuous with removal

Key: 0 = Incompatible or unsuitable use | + = Average performance | ++ = Maximum performance | * Quick coupler line | ** Mound working possible with reversible kit or mound tool

COUPLERS BY MACHINE

Updates to this list will be available on our website acbplus.com.

*Some couplers have not yet been coded; for these, you have a generic code where you simply replace MACHINE with the make and type of your machine.

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
ACB+	REVERSIBLE KIT M0	M0 			5093427	-		
ACB+	REVERSIBLE KIT M1	M1 			5093144	-		
ACB+	REVERSIBLE KIT M2	M2 			5092910	-		
ACB+	REVERSIBLE KIT M3	M3 			5103445	-		
ACB+	REVERSIBLE KIT M4	M4 			5107121	-		
AIRMAN	AX10u	M0 	01	D5	MOS-MACHINE	-		
AIRMAN	AX17u	M0 	02	D5	5091584	-		
AIRMAN	AX27U-5F	M1 	13	D5	5088131	-	HIS-MACHINE	-
AMMANN	AMX 12 AMX14	M0 	00	D5	5093661	-		
AMMANN	AMX 15SR AMX 18 AMX 18ZT	M0 	02	D5	5093833	-		
AMMANN	AMX24-2	M0 	02	D5	5153128	-		
AMMANN	AMX 22SR AMX24 AMX 25ZT AMX28 AMX 28ZT AMX 35ZT	M1 	12	D5	5102770	-	HIS-MACHINE	-
AMMANN	AMX42 AMX45 - AMX 50ZT AMX 55	M2 	22 23	D5	5114676	-	5114675	-
AMMANN	AMX58 AMX60 AMX60ZT AMX65	M2 	23	D8	5103050	-	5103049	-
AMMANN	AMX85 AMX85ZT AMX95DDP AMX100	M3 	31	D10	5111930	-	5129560	-
BOBCAT	E08 E10 E10Z - E17 E17Z E19 E20 E20Z	M0	00 02	D5	5092047	-		
BOBCAT	E25 E26 E27 E27Z E32 E34 E35 E35Z E37	M1 	12	D5	5088196	-	HIS-MACHINE	-
BOBCAT	E45 E50 E50Z E55 E55Z E60	M2 	22	D8	5093439	-	5093440	-
BOBCAT	E57W E62	M2 	23	D8	5093454	-	5093453	-
BOBCAT	E80 E85	M3 	32	D10	5092740	-	5111110	-
BOBCAT	E88	M3 	32	D10	5158225	-	5158207	-
CASE	CX12D CX14D	M0	00	D5	5093661	-		
CASE	CX17C CX18C CX19C	M0 	02	D5	5093340	-		

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
CASE	CX17D CX18D CX19D CX20D	M0	02	D5	5167900	-		
CASE	CX22D	M0	02	D5	5153128	-		
CASE	CX28D CX35D	M1	12	D5	5102770	-	HIS-MACHINE	-
CASE	CX26C CX30C	M1	13	D5	5100630	-	HIS-MACHINE	-
CASE	CX37C	M1	13	D5	5093341	-	HIS-MACHINE	-
CASE	CX42D CX45D - CX50D CX55D	M2	22 / 23	D5	5114676	-	5114675	-
CASE	CX57C CX60C	M2	23	D8	5088928	-	5090121	-
CASE	CX58D CX60D CX65D	M2	23	D8	5103050	-	5103049	-
CASE	580ST 590ST 695ST	M3	31	D10	5102449	-	5104144	-
CASE	CX85D CX90E	M3	31	D10	5111930	-	5129560	-
CASE	580SV 590SV 695SV	M3	32	D10	5104529	-	5107729	-
CASE	CX75 CX75SR CX80C CX85D CX90D WX95	M3	32	D10	5100577	-	5107952	-
CASE	CX85SR CX90D MSR CX130 LR	M3	32	D10	5172166	-	H3S-MACHINE	-
CASE	CX130D CX145C-SR CX145D-SR	M5	53	D20			5152652	-
CASE	CX160B/C/D CX180/C/D	M6	61	D20			5107887	-
CASE	CX210C CX210D CX230D CX245D	M6	62	D30			5104521	-
CASE	CX240	M6	62	D40			5111109	-
CASE	CX250D	M6	62	D40			5168304	-
CASE	CX350D CX370D	M7	72	D55			5117420	-
CATERPILLAR	300.9D	M0	01	D5	5088899	-		
CATERPILLAR	301 (all models) 301.5 NG 301.7CR 301.8 302CR-NG	M0	02	D5	5101247	-		
CATERPILLAR	302.2D 302.4D 302.5C 302.7 302.7D 302.7NG	M1	12	D5	5094341	-	HIS-MACHINE	-
CATERPILLAR	303 (all models) 303CR 303.5CR 304E2-CR	M1	13	D5	5102851	-	5169532	-
CATERPILLAR	304C-CR 305C-CR 305CR NG 305D-CR 305.5D-CR 305.5E-CR 305E2 306 306.5 306.6CR	M2	23	D8	5100611	-	5100610	-
CATERPILLAR	304.5 304CR 305CR	M2	23	D8	5129985	-	5130051	-
CATERPILLAR	307.5NG 308NG 309CR	M3	32	D8	5093984	-	5106387	-
CATERPILLAR	428F 432F 434F 444F	M3	32	D15	5093680	-	5107848	-
CATERPILLAR	307D 307E 307E2 308D 308E2-CR-SB	M4	40	D10	5103840	-	5133918	-
CATERPILLAR	310	M4	40	D10	5173583	-	5142315	-
CATERPILLAR	311F - 313F M313D	M5	52	D15 D20			H5S-MACHINE	-
CATERPILLAR	313 313GC 315 315 GC M314 M315 M316 M317	M5	53	D20			5142517	-
CATERPILLAR	M315D2 - M315D M315F M316F	M5	52 53	D20			5130384	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
CATERPILLAR	M318F	M6 ●	60	D30			5103990	-
CATERPILLAR	315B 315C 315D 316E 316F 317B 318E 318F M318NG	M6 ●	61	D30			5139975	-
CATERPILLAR	320GC FROM 2018 TIM "B" & "B1" - 320F-L 323 (new generation) 323F-L 325 325F-L 340LRE 352LRE NG TIM "B" & "B1"	M6 ●	62 63	D30			5103942	-
CATERPILLAR	320 323 325 326	M6 ●	63	D30			5115918	-
CATERPILLAR	330GC 330 STAGE V 335 NG	M7 ●	71	D40			5126219	-
CATERPILLAR	336E DB	M7 ●	72	D55			5126966	-
CATERPILLAR	330D TB LME 340F UHD TIM DB 349E TIM TB	M7+ ●	72	D55			H7S+-MACHINE	-
CATERPILLAR	336D TB LME 336 FXE TB	M7+ ●	73	D65			H7S+-MACHINE	-
COLTRAX	CX10 CX12 CX14	M0 ●	00	D5	5093661	-		
COLTRAX	CX15 CX18	M0 ●	02	D5	5093833	-		
COLTRAX	CX20	M0 ●	02	D5	5153128	-		
COLTRAX	CX22 CX25 CX28 CX35	M1 ●	12	D5	5102770	-	HIS-MACHINE	-
COLTRAX	CX50 CX57 CX58 CX60 CX62ST	M2 ●	23	D8	5103050	-	5103049	-
COLTRAX	CX85 CX95ST	M3 ●	32	D10	5111930	-	H3S-MACHINE	-
DEVELON	DX10Z	M0 ●	00	D5	5092047	-		
DEVELON	DX17Z DX19	M0 ●	02	D5	5093340	-		
DEVELON	DX27Z DX27Z-7	M1 ●	12	D5	5102770	-	HIS-MACHINE	-
DEVELON	DX35Z-7	M1 ●	12	D5	5101358	-	HIS-MACHINE	-
DEVELON	DX30 DX35	M1 ●	13	D5	5101358	-	HIS-MACHINE	-
DEVELON	DX55R-7 DX57W-7 DX62R-3 DX62R-7 DX63-3 DX63-7	M2 ●	23	D8	5093454	-	5093453	-
DEVELON	DX85R-7	M3 ●	32	D10	5092740	-	5111110	-
DEVELON	DX100W-7	M4 ●	40	D10	5137644	-	H4S-MACHINE	-
DEVELON	DX140LC-7K DX140LC-7 DX140-LCR-7 DX140W-7 DX190LC-7HT DX160W-7 DX165WR-7	M5 ●	52	D20			5119664	-
DEVELON	DX210-7 DX210NLC-7 DX225LC-7 DX225LC-7X DX235LCR-7 DX190W-7 DX210W-7	M6 ●	62	D40			5104145	-
DEVELON	DX255LC-5 DX255LC-7	M6 ●	62	D40			5122064	-
DEVELON	DX300LC-7K DX300LC-7 SLR	M7 ●	71	D40			5131724	-
DEVELON	DX380LC-7K	M7 ●	72	D55			5119537	-
DEVELON	DX420LC-7K DX530LC-7K DX530LC-7 SLR	M7+ ●	73	D65			5138624	-
EUROCOMACH	12ZT 14SR 15X	M0 ●	00	D5	5093661	-		
EUROCOMACH	18ZT 19ZT 19TR	M0 ●	02	D5	5093833	-		
EUROCOMACH	22SR	M0 ●	02	D5	5153128	-		

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
EUROCOMACH	25ZT 28ZT 35ZT	M1 ●	12	D5	5102770	-	HIS-MACHINE	-
EUROCOMACH	42ZT 45TR	M2 ●	22	D5	5114676	-	5114675	-
EUROCOMACH	50ZT 55TR	M2 ●	23	D5	5114676	-	5114675	-
EUROCOMACH	57ZT 60ZT 65TR	M2 ●	23	D8	5103050	-	5103049	-
EUROCOMACH	85SB 90ZT 95UR 100TR	M3 ●	32	D10	5111930	-	H3S-MACHINE	-
EUROMACH	1500 R25	M1 ●	12	D5	5105760	-	HIS-MACHINE	-
EUROMACH	2500 MOBILE	M1 ●	13	D5	5093665	-	HIS-MACHINE	-
EUROMACH	R45 BIGFOOT FORESTER	M2 ●	22	D5	5105817	-	5105816	-
EUROMACH	R555H R555HBIGFOOT/FORESTER	M3 ●	32	D10	5105813	-	H3S-MACHINE	-
EUROMACH	8500 R105 R85 R853 R85-BIGFOOT R85L	M4 ●	41	D20	5105812	-	H4S-MACHINE	-
EUROMACH	R1255 R1255BIGFOOT/FORESTER	M5 ●	53	D30			5159160	-
HANIX	H55DR	M2 ●	23	D8	5107693	-	5107692	-
HIDROMEK	HMK62T HMK62SS	M1 ●	13	D5	5176402	-	HIS-MACHINE	-
HIDROMEK	HMK102B HMK102S	M3 ●	32	D15	5103527	-	5109927	-
HIDROMEK	HMK140LC HMK140W HMK145LC	M5 ●	52	D20			5138219	-
HIDROMEK	HMK220 LC3	M6 ●	62	D40			5139282	-
HITACHI	ZX10U-6	M0 ●	01	D5	5093459	-		
HITACHI	ZX17U-6 ZX19U-6	M0	02	D5	5091584	-		
HITACHI	ZX26U-6	M1 ●	13	D5	5088131	-	5168387	-
HITACHI	ZX33U-6 ZX38U-6	M1 ●	13	D5	5102396	-	HIS-MACHINE	-
HITACHI	ZX48U-6 ZX55U-6 ZX55U-6EB	M2 ●	22	D5	5088948	-	5090109	-
HITACHI	ZX65USB-6	M3 ●	31	D8	5093328	-	5111707	-
HITACHI	EX60-3 EX75UR-3	M3 ●	32	D10	5141944	-	H3S-MACHINE	-
HITACHI	ZX85USB-5	M3 ●	32	D10	5093319	-	5112551	-
HITACHI	ZX95W-7	M3 ●	32	D10			M3S-MACHINE	-
HITACHI	ZX130-5G ZX130-7 ZX135US-7 ZX155W-7	M5 ●	53	D20			5109743	-
HITACHI	ZX170W-5A	M6 ●	61	D20			5119970	-
HITACHI	ZX180W-7	M6 ●	61	D30			5104469	-
HITACHI	ZX210-7 ZX210W-5A ZX225US/USR	M6 ●	62	D40			5104469	-
HITACHI	ZX300LC-7 ZX250LC-7	M7 ●	71	D40			5112430	-
HITACHI	ZX350LC-7	M7 ●	72	D55			5118706	-
HITACHI	ZX490 LCH-7 ZX500LCH-3 ZX470LCH-5	M7+ ●	73	D65			5154854	-
HYUNDAI	HX17A HX19A	M0 ●	02	D5	5093340	-		

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
HYUNDAI	R25Z-9 R30Z-9A	M1 ●	13	D5	5100630	-	HIS-MACHINE	-
HYUNDAI	R35Z-9	M1 ●	13	D5	5093341	-	HIS-MACHINE	-
HYUNDAI	R55W-9A R55-9A R60CR-9 HW65A HX65A	M2 ●	22	D8	5088928	-	5090121	-
HYUNDAI	HX48AZ	M2 ●	23	D5	5175402	-	5175401	-
HYUNDAI	HX85-A R80CR-9	M3 ●	32	D10	5103271	-	5120068	-
HYUNDAI	HW100A	M4 ●	40	D15	5137644	-	5172838	-
HYUNDAI	HW140A HX140AL HX145ALCR HX130ALCR	M5 ●	52	D20			5121357	-
HYUNDAI	HX180AL	M6 ●	61	D20			5129313	-
HYUNDAI	HW210A HX220AL HX235ALCR	M6 ●	62	D40			5109205	-
HYUNDAI	HX330AL HX380AL	M7 ●	71	D55			5132297	-
JCB	8008 CTS 8010 CTS	M0 ●	01	D5	5088899	-		
JCB	16C-1 18Z 19C-1	M0 ●	02	D5	5121803	-		
JCB	2CX 3CX COMPACT	M1 ●	12	D5	5140073	-	HIS-MACHINE	-
JCB	26C-1 25Z-1	M1 ●	12	D5	5104440	-	HIS-MACHINE	-
JCB	35Z-1 36C-1	M1 ●	13	D5	5147864	-	HIS-MACHINE	-
JCB	50Z-2 56Z-2	M2 ●	22	D8	5106184	-	5106183	-
JCB	3CX 4CX 65R-1 67C-1 85Z-2 86C-2 90Z-2 HYDRADIG110W	M3 ●	31	D8	5100217	-	5104088	-
JCB	JS70 JZ70	M3 ●	32	D10	5100577	-	H3S-MACHINE	-
JCB	100C-2	M4 ●	40	D15	5111316	-	H4S-MACHINE	-
JCB	JS115	M5 ●	52	D20			H5S-MACHINE	-
JCB	JS130 JS145 JZ140 JZ141	M5 ●	53	D20			5120197	-
JCB	JS160 JS175 JS180LC JS190	M6 ●	61	D20			5107887	-
JCB	JS220 JS245X	M6 ●	62	D30			5104521	-
KAISER	S2	M4 ●	42	D20	5110120	-	H4S-MACHINE	-
KAISER	S8 S8 ALL ROAD	M4 ●	42	D20	M4S-MACHINE	-	5155549	-
KAISER	S10 S12	M5 ●	52	D20			5107717	-
KATO IMER IHI	HD9VXE	M0 ●	01	D5	5093331	-		
KATO IMER IHI	HD12VXE	M0 ●	02	D5	5093781	-		
KATO IMER IHI	HD17VXE	M0 ●	02	D5	5091287	-		
KATO IMER IHI	HD27V5 HD33V5	M1 ●	12	D5	5088268	-	HIS-MACHINE	-
KATO IMER IHI	HD37V5	M1 ●	13	D5	5093333	-	HIS-MACHINE	-
KATO IMER IHI	HD50V5 HD60V5	M2 ●	23	D8	5093338	-	5093337	-
KATO IMER IHI	HD85V5	M3 ●	32	D10	5093339	-	5121483	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
KATO IMER IHI	HD307	M3 ●	32	D10	5143457	-	H3S-MACHINE	-
KATO IMER IHI	HD512-7 HD514MR-7	M5 ●	53	D20			5134868	-
KATO IMER IHI	HD823MR-7	M6 ●	62	D40			5134903	-
KOBELCO	SK08 SK08-1E	M0 ●	00	D5	5093499	-		
KOBELCO	SK10SR-2E	M0 ●	02	D5	5102015	-		
KOBELCO	SK16 SK18	M0 ●	02	D5	5091409	-		
KOBELCO	SK17SR-3E	M0 ●	02	D5	5102257	-		
KOBELCO(1)	SK25SR-6 SK25SR-6E SK26-1E	M1 ●	13	D5	5088166	-	5166602	-
KOBELCO(1)	SK26SR-7 SK28SR-7	M1 ●	13	D5	5106843	-	HIS-MACHINE	-
KOBELCO(1)	SK26SR-6	M1 ●	13	D5	M1S-MACHINE	-	5166686	-
KOBELCO(1)	SK34SR-7 SK39SR-7	M1 ●	13	D5	5100573	-	5168686	-
KOBELCO(1)	SK50SRX-7 SK58SRX-7	M2 ●	22	D8	5150683	-	5150684	-
KOBELCO(1)	SK75SR-7 SK85MSR-7	M3 ●	32	D10	5093502	-	5104722	-
KOBELCO(1)	ED160-7	M5 ●	52	D20			5121932	-
KOBELCO(1)	SK140SRLC-7	M5 ●	53	D20			5121932	-
KOBELCO(1)	SK180LC-11	M6 ●	61	D20			5124564	-
KOBELCO(1)	SK230SRLC-7	M6 ●	61	D30			5109379	-
KOBELCO(1)	SK270SRNLC-7	M6 ●	62	D30			5109379	-
KOBELCO(1)	SK210LC-11 SK260SRNLC-3	M6 ●	62	D40			5109379	-
KOBELCO(1)	SK260NLC-11	M6 ●	62	D40			5112219	-
KOBELCO(1)	SK300NLC-11	M7 ●	71	D40			5144997	-
KOBELCO(1)	SK350NLC-11	M7 ●	71	D55			5128748	-
KOMATSU	PC09-1	M0 ●	01	D5	5093802	-		
KOMATSU	PC16R-3	M0 ●	02	D5	5094398	-		
KOMATSU	PC22MR-3	M1 ●	12	D5	5093739	-	HIS-MACHINE	-
KOMATSU	PC24MR-5 PC26MR-5	M1 ●	12	D5	5088374	-	HIS-MACHINE	-
KOMATSU	PC58MR-5	M2 ●	23	D8	5092385	-	5092384	-
KOMATSU	WB93R-5(backhoe) WB93S-5(backhoe) WB97R-5(backhoe) WB97S-5(backhoe)	M3 ●	31	D10	5094165	-	5107318	-
KOMATSU	PC75R-2 PW75	M3 ●	32	D10	5104291	-	5107690	-
KOMATSU	PC78MR-6	M3 ●	32	D10	5102078	-	5106133	-
KOMATSU	PC80MR-5	M3 ●	32	D10	5093658	-	5107120	-
KOMATSU	PC88MR-11 PW98MR-11	M4 ●	40	D10	5108355	-	5124359	-

(1)ATTENTION, the original order for quick couplers for these excavators is not compatible with the installation requirements of our couplers. To avoid this incompatibility, in addition to the ACB+ coupler, you need to install a Hydraulic Block for excavators and a suitable Tensioning Coil for the machine. Please contact us for more information.

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
KOMATSU	PC95R-2 PW95	M4 ●	40	D15	5154851	-	H4S-MACHINE	-
KOMATSU	PW138MR-11	M4 ●	41	D15	5113484	-	5120490	-
KOMATSU	PC138US-11 PW148-11 PW158-11	M5 ●	53	D20			5116158	-
KOMATSU	PC170LC-11 PW180-11 PW198-11	M6 ●	61	D20			5103989	-
KOMATSU	HB215	M6 ●	62	D30			5103761	-
KOMATSU	PC210LC/NLC-11 PC240LC/LNC-11	M6 ●	62	D40			5103761	-
KOMATSU	HB365LC-3 PC360LC/NLC-11	M7 ●	71	D55			5175868	-
KOMATSU	PC290LC-11	M7 ●	72	D55			5122129	-
KOMATSU	PC300-3	M7 ●	72	D55			5130134	-
KOMATSU	PC490-LC-11	M7+ ●	73	D65			5154545	-
KUBOTA	K008-5 U10-5	M0 ●	01	D5	5150903	-		
KUBOTA	KX016-4 KX019-4 U15-3N U17-3a	M0 ●	02	D5	5150792	-		
KUBOTA	R310	M0 ●	02	D5	5100422	-		
KUBOTA	KX027-4 U27-4	M1 ●	12	D5	5139790	-	5165083	-
KUBOTA	KX030-4 KX71-3	M1 ●	12	D5	5087737	-	5155391	-
KUBOTA	U20-3	M1 ●	12	D5	5164162	-	HIS-MACHINE	-
KUBOTA	KX037-4 U36-4	M1 ●	13	D5	5088225	-	5172427	-
KUBOTA	KX042-4a	M2 ●	22	D5	5092757	-	5092756	-
KUBOTA	KX057-4 U55-4	M2 ●	23	D8	5137691	-	5090123	-
KUBOTA	U50-5 U56-5 KX060-5	M2 ●	23	D5	5088611	-	5090123	-
KUBOTA	KX080-4 KX080-5	M3 ●	32	D15	5088693	-	5103941	-
KUBOTA	KX251	M3 ●	32	D15	5170318	-	H3S-MACHINE	-
LIEBHERR	A309 A910Compact A912Compact	M4 ●	42	D15	5113727	-	5120233	-
LIEBHERR	A916Compact R313	M5 ●	52	D15			5119676	-
LIEBHERR	A914Li/Compact R914Compact A/R900C A916Li	M5 ●	53	D15			5119676	-
LIEBHERR	A918Li/Compact R918Li R920Compact	M6 ●	61	D20			5104294	-
LIEBHERR	A920litronic	M6 ●	61	D30			5104462	-
LIEBHERR	A/R922 LH35M R920 R924Compact R926Compact	M6 ●	62	D30			5104462	-
LIEBHERR	A902LITRONIC A904 R912LITRONIC R904C R912	M6 ●	62	D30			5138143	-
LIEBHERR	R2922LI DEMOL	M6 ●	62	D30			5131521	-
LIEBHERR	A924litronic A928litronic R922G8 R924 (3B)	M6 ●	62	D40			5103951	-
LIEBHERR	R926 Classic-Advanced R924G8 R926-III-IV-V	M6 ●	63	D40			5103951	-
LIEBHERR	R926 SEALED BEARING	M6 ●	62	D40			5113823	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
LIEBHERR	R934 SEALED BEARING	M7 ●	71	D40			5134375	-
LIEBHERR	R934LITRONIC R934B R954B MULTI USER	M7 ●	71	D40			5151573	-
LIEBHERR	R936 R936 COMPACT	M7 ●	71	D40			5118418	-
LIEBHERR	R936 SEALED BEARING	M7 ●	71	D40			5144249	-
LIEBHERR	R930	M7 ●	72	D40			5118418	-
LIEBHERR	R930 SEALED BEARING	M7 ●	72	D40			5144249	-
LIEBHERR	R934 R938 R945G8 R946	M7 ●	72	D55			5120263	-
LIEBHERR	R950 Demolition	M7 ●	72	D55			H7S-MACHINE	-
LIEBHERR	R950 SME	M7+ ●	73	D65			5128749	-
LIUGONG	CLG9018F	M0	02	D5	5152080	-		
LIUGONG	CLG9027F ZTS	M1 ●	12	D5	5152825	-	5165692	-
LIUGONG	CLG9035E ZTS	M1 ●	13	D5	5170843	-	H1S-MACHINE	-
LIUGONG	CLG909ECR	M3 ●	31	D15	5161529	-	5164732	-
LIUGONG	915E	M5 ●	52	D15			5170659	-
LIUGONG	CLG922E	M6 ●	61	D30			H6S-MACHINE	-
LIUGONG	926F	M6 ●	62	D30			5168381	-
LIUGONG	925E	M6 ●	62	D40			5168367	-
LIUGONG	CLG930E	M7 ●	71	D40			H7S-MACHINE	-
MECALAC	8MCR	M3 ●	MECALAC	D10	5100135	-	H3S-MACHINE	-
MENZI-MUCK	A20	M1 ●	12	D5	5105760	-	H1S-MACHINE	-
MENZI-MUCK	M220	M3 ●	32	D15	M3S-MACHINE	-	5121986	-
MENZI-MUCK	M3 M5	M4 ●	42	D20	M4S-MACHINE	-	5157922	-
MENZI-MUCK	M535	M4 ●	42	D20	M4S-MACHINE	-	H4S-MACHINE	-
MESSERSI	M-13K M-16U M18DS	M0	02	D5	5101372	-		
MESSERSI	M22U	M1 ●	12	D5	M1S-MACHINE	-	H1S-MACHINE	-
MESSERSI	M25 M-28U M-28K M-35K M-38U	M1 ●	12	D5	5101371	-	H1S-MACHINE	-
NEW-HOLLAND	E12D E14D	M0	02	D5	5093661	-		
NEW-HOLLAND	E16B E18B	M0	02	D5	5091409	-		
NEW-HOLLAND	E17D E18D E19D E20D	M0	02	D5	5153128	-		
NEW-HOLLAND	E22D	M0	02	D5	5153128	-		
NEW-HOLLAND	E26BSR	M1 ●	12	D5	5100572	-	H1S-MACHINE	-
NEW-HOLLAND	E28D E35D	M1 ●	12	D5	5102770	-	H1S-MACHINE	-
NEW-HOLLAND	E26C	M1 ●	13	D5	5100630	-	H1S-MACHINE	-
NEW-HOLLAND	E27-2SR E29BSR	M1 ●	13	D5	5100572	-	H1S-MACHINE	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
NEW-HOLLAND	E35SR/BSR E39BSR	M1 ●	13	D5	5100573	-	5168686	-
NEW-HOLLAND	E37C	M1 ●	13	D5	5093341	-	HIS-MACHINE	-
NEW-HOLLAND	E50D E55D	M2 ●	23	D5	5093341	-	H2S-MACHINE	-
NEW-HOLLAND	E60D E65D	M2 ●	23	D5	5103050	-	5103049	-
NEW-HOLLAND	E70B-SR E80B-SR	M3 ●	32	D10	5093502	-	5104722	-
NEW-HOLLAND	B100D B110D B115D	M3 ●	32	D15	5104529	-	5107729	-
NEW-HOLLAND	E135B E150B-BLADERUNNER	M5 ●	53	D15			H5S-MACHINE	-
SANY	SY16C SY18C SY18U	M0	02	D5	5106866	-		
SANY	SY26U	M1 ●	13	D5	5121917	-	HIS-MACHINE	-
SANY	SY35U	M1 ●	13	D5	5106869	-	HIS-MACHINE	-
SANY	SY50U	M2 ●	23	D5	5120593	-	5120592	-
SANY	SY75C	M3 ●	31	D10	5107660	-	H3S-MACHINE	-
SANY	SY80C-9 SY80U	M3 ●	31	D10	5139912	-	5152903	-
SANY	SY135C SY155U SY155W	M5 ●	52	D20			5121927	-
SANY	SY215C	M6 ●	62	D40			5103761	-
SANY	SY335C	M7 ●	71	D55			5125989	-
SANY	SY365C	M7 ●	72	D55			5125989	-
SCHAEFF	TW75 TW95	M3 ●	32	D10	5093856	-	5112917	-
SUNWARD	SWE08B	M0	02	D5	5143975	-		
SUNWARD	SWE17 SWE17F SW18UF SWE18UB SWE20F SWE20FED	M0	02	D5	5120815	-		
SUNWARD	SWE18UF SWE20B	M0	02	D5	5156811	-		
SUNWARD	SWE25UF	M1 ●	12	D5	5138695	-	HIS-MACHINE	-
SUNWARD	SWE35UF	M1 ●	13	D5	5143914	-	HIS-MACHINE	-
SUNWARD	SWE40U	M2 ●	22	D5	5128077	-	5128076	-
SUNWARD	SWE50B	M2 ●	22	D5	5161108	-	5161109	-
SUNWARD	SWE60UF	M2 ●	23	D8	5143700	-	5143708	-
SUNWARD	SWE80	M3 ●	31	D8	5136030	-	H3S-MACHINE	-
SUNWARD	SWE90UF SWE90UB	M4 ●	40	D15	5144105	-	5154948	-
SUNWARD	SWE155F	M5 ●	53	D20			5157789	-
TAKEUCHI	TB210R	M0	01	D5	5101290	-		
TAKEUCHI	TB216 TB217R	M0	02	D5	5093648	-		
TAKEUCHI	TB225 TB230 TB325R	M1 ●	12	D5	5088245	-	5164598	-
TAKEUCHI	TB235-2 TB240 TB335R	M1 ●	13	D5	5088260	-	HIS-MACHINE	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
TAKEUCHI	TB250-2 TB257FR TB350R	M2 ●	22	D8	5092346	-	5092345	-
TAKEUCHI	TB260	M2 ●	22	D8	5094279	-	5094278	-
TAKEUCHI	TB280FR TB290-2 TB290 one-piece TB370 TB395W	M3 ●	32	D10	5100216	-	5104723	-
TAKEUCHI	TB2150R	M5 ●	53	D20			5121356	-
TEREX	TC10Z	M0 ○	01	D5	5093426	-		
TEREX	TC15 TC16 TC19 TC20	M0 ○	02	D5	5093852	-		
TEREX	TC25 TC29	M1 ●	12	D5	5113138	-	HIS-MACHINE	-
TEREX	TC35 TC37	M2 ●	22	D5	5103940	-	5103938	-
TEREX	TC48 TC50	M2 ●	23	D5	5093855	-	5093854	-
TEREX	TC60	M2 ●	23	D8	5093855	-	5093854	-
TEREX	FERMEC 860 TLB890 (backhoe)	M3 ●	32	D10	5105994	-	H3S-MACHINE	-
TEREX	TC85 TW75 TW95	M3 ●	32	D10	5093856	-	5112917	-
TEREX	TW110 TC125	M4 ●	40	D15	5119173	-	H4S-MACHINE	-
VENIERI	1.33B	M1 ●	12	D5	5119253	-	HIS-MACHINE	-
VENIERI	8.23F	M3 ●	31	D8	5104709	-	H3S-MACHINE	-
VOLVO	EC15E EC18E ECR18E	M0 ○	02	D5	5100761	-		
VOLVO	EC20E	M0	02	D5	5102272	-		
VOLVO	EC27D ECR25D	M1 ●	12	D5	5088181	-	5165300	-
VOLVO	ECR40 EC45	M2 ●	22	D5	5106789	-	5106788	-
VOLVO	ECR50 ECR50F ECR58 ECR58F EC60E EW60E FROM 2021	M2 ●	22	D8	5146935	-	5147200	-
VOLVO	BL71	M3 ●	31	D8	5175013	-	H3S-MACHINE	-
VOLVO	EC70	M3 ●	32	D8	5149591	-	H3S-MACHINE	-
VOLVO	ECR88D	M3 ●	32	D10	5092683	-	5103091	-
VOLVO	EWR130E	M5 ●	52	D20			5159905	-
VOLVO	EC140E ECR145E EWR150E	M5 ●	53	D20			5117102	-
VOLVO	EC180E EWR170E EW160E EC160E	M6 ●	61	D20			5120480	-
VOLVO	EW180E	M6 ●	61	D30			5108565	-
VOLVO	ECR235E	M6 ●	62	D30			5104204	-
VOLVO	EC200EL EC220E	M6 ●	62	D40			5104204	-
VOLVO	EC240/B/C EC250E	M6 ●	63	D40			5108605	-
VOLVO	EC300 EL ECR355	M7 ●	71	D40			5124519	-
VOLVO	EC380E	M7 ●	72	D55			5142023	-

BRAND	MACHINES	MODULE	BUCKET RANGE	TINE CLASS	MECHANICAL		HYDRAULIC	
					ITEM CODE*	PRICE EXCL. VAT (€)	ITEM CODE*	PRICE EXCL. VAT (€)
WACKER-NEUSON	803	M0 ●	01	D5	5088899	-		
WACKER-NEUSON	1404 2003RD ET16 ET18 ET20 EZ17 EZ17E	M0	02	D5	5093052	-		
WACKER-NEUSON	2404 2503 ET24	M1 ●	12	D5	5088443	-	HIS-MACHINE	-
WACKER-NEUSON	EZ26	M1 ●	12	D5	5123355	-	5170991	-
WACKER-NEUSON	ET35 EZ36 EZ38	M1 ●	13	D5	5123355	-	5170991	-
WACKER-NEUSON	ET42	M2 ●	22	D5	5142186	-	5143538	-
WACKER-NEUSON	ET65 EW65	M2 ●	22	D8	5100438	-	5100437	-
WACKER-NEUSON	EZ53	M2 ●	22	D8	5093073	-	5093072	-
WACKER-NEUSON	ET58	M2 ●	23	D5	5150455	-	5150454	-
WACKER-NEUSON	EZ50	M2 ●	23	D5	5142186	-	5143538	-
WACKER-NEUSON	75Z3 8002 8003 EZ80	M3 ●	32	D8	5092444	-	5104419	-
WACKER-NEUSON	9503	M4 ●	40	D10	M4S-MACHINE	-	5171465	-
WACKER-NEUSON	ET90 EW100-2	M4 ●	40	D10	5104724	-	5133641	-
WACKER-NEUSON	ET145	M5 ●	53	D20			5077654	-
XCMG	XE18E XE15E	M0 ●	02	D5	5159441	-		
XCMG	XE20E	M0 ●	02	D5	MOS-MACHINE	-		
XCMG	XE35E XE35U	M1 ●	12	D5	5143914	-	HIS-MACHINE	-
XCMG	XE55E	M2 ●	23	D8	5158382	-	5158381	-
XCMG	XE80E	M4 ●	40	D15	5167536	-	5166188	-
XCMG	XE155ECR XE155GA	M5 ●	53	D20			5166223	-
YANMAR	SV08 B08	M0 ●	00	D5	5093499	-		
YANMAR	Vio10-2A Vio12-2A	M0	00	D5	5093426	-		
YANMAR	SV15VT SV17VT SV19VT	M0 ●	02	D5	5091379	-		
YANMAR	Vio17 Vio17U	M0	02	D5	5092017	-		
YANMAR	Vio23-6 Vio38-6	M1 ●	12	D5	5088130	-	5168538	-
YANMAR	SV26 Vio25-4 Vio26-6 Vio27-6 Vio33U Vio38U	M1 ●	13	D5	5088166	-	5166002	-
YANMAR	Vio50-6B Vio57-6B SV60-6B	M2 ●	23	D8	5092208	-	5092207	-
YANMAR	B75W B95W	M3 ●	32	D10	5093856	-	5112917	-
YANMAR	B7-6 VIO80-2PB SV86-7	M3 ●	32	D15	5089012	-	5103080	-
YANMAR	B110W	M4 ●	40	D15	5119173	-	5113481	-
YANMAR	SV100-7	M4 ●	40	D15	5093893	-	5115506	-
YANMAR	SV120	M4 ●	42	D15	5119173	-	5113481	-
YUCHAI	YC35-SR	M1 ●	12	D5	MIS-MACHINE	-	HIS-MACHINE	-

HYDRAULIC KIT

Complete hydraulic control kit for double-acting couplers

Mini-excavators and excavators with double-acting hydraulic couplers can be fitted with our hydraulic kit.

Kit part number

COUPLERS*	ITEM CODE	PRICE EXCL. VAT (€)
H1S, H2S,	5163582	-
H3S, H4S, H5S, H6S, H7S, H7S+	5105978	-

(*) CLASSIC, TILTING AND ROTATING COUPLERS
(Not suitable for tiltrotators)

(***) Some kit components are available individually,

Kit composition***

Cab control unit

- EN 474 compliant
- For window-mounting (bracket supplied)
- 12-24 V DC power supply (connection supplied)
- 12 V DC output on M12 connector and "HIRSHMAN" head supplied

2-way junction block for dipperstick

- Pmax = 400 bar
- Removable zinc-plated steel body and weld-on base
- 4 1/4" BSP locations per channel for all connection configurations

Double-acting hydraulic block

- Zinc-plated steel body
- Pmax = 400 bar
- 2 x 9 mm diameter mounting holes
- 1/4" BSP locations
- Supplied with 2 pressure control sockets
- Release pressure regulated at 280 bar (factory-set pressure)
- Locking pressure regulated at 45 bar (factory-set pressure)

Control coil

2-way junction block for dipperstick



Cab control unit



Double-acting hydraulic block



Control coil



CLASSIC COUPLERS **S+**



Efficient, simple and reliable reversible couplers for pin on attachment, available with a hydraulic locking system.



NEW

The advantages of the S+ hydraulic coupler with pin on attachment

- + First pin secured "as soon as possible"
- + Engaging shape to facilitate attachment
- + "Locking complete" indicator
- + Hydraulic locking without leaving the cab
- + Tool reversibility
- + Adherence to the original kinematics and manufacturer's load charts
- + Available as a Nordic S Standard and S+ system only



AVAILABLE IN A HYDRAULIC S+
VERSION ONLY

Specification

At the heart of this new range are **three patents** that embody ACB+'s commitment to excellence and safety. These innovations guarantee **that the first pin is secured "as soon as possible"**, ergonomic hooks make the insertion of tools easier thanks to an engaging shape, as well as **a clear and reliable indication of proper locking conditions**.

S+ couplers represent not only innovation, but also continue the performance and reliability associated with ACB+'s Morin Original system **by adhering strictly to the original kinematics and manufacturers' load charts while offering a simple and robust solution**.

Its design provides reversibility for all tools, thereby offering increased versatility on site.

Securing the first pin: S+ couplers are equipped with a dual locking system to ensure optimum safety. In accordance with standard EN474-1, the first lock **engages automatically as soon as the tool's first pin is inserted in the hooks**, thereby preventing any risk of tipping during the hitching operation. The second hydraulic lock is controlled by the operator when the second pin is in place.

Patented engaging shape: S+ couplers' hooks have an engaging shape **that provides a convenient angular tolerance, thereby making the tool hitching process easier** even when the hooks are unfavourably positioned in relation to the coupler.

"Locking complete" indicator: A single indicator on the coupler **confirms that the pins are in place and that the locks are correctly engaged**, thereby guaranteeing complete safety during hitching operations.

Hydraulic version: S+ couplers are available in a hydraulic version only.

Overpressure protection: The actuators integrated into S+ couplers are equipped with a safety valve and a pressure relief valve to prevent any issues during use, thus ensuring the system's durability and safety.

These features make S+ couplers a robust and secure solution offering industry professionals an advanced solution tailored to their most exacting requirements.



Classic coupler range **S+**

SIZE	TONNAGE	TOOL PIN DIAMETERS [mm]	TOOL CENTRE DISTANCE [mm]	HYDRAULIC VERSION
S+30/180	0,800 kg – 2t	30	200	S+30 scheduled for release in 2025
S+40/200	2t – 6.5t	40	300	S+40 scheduled for release in 2025
S+45	5t – 10t	45	430	S+45
S+50	6t – 11t	50	430	S+50
S+60	10t – 18t	60	480	S+60 scheduled for release in 2025
S+70	18t – 30t	70	600	S+70 scheduled for release in 2025

BUCKET OPTIONS

Custom logo in steel

Marking the bucket or tool to quickly identify it as belonging to your company and to use it as a means of communication.



ITEM CODE	PRICE EXCL. VAT (€)
Depending on the model	-

Numbered steel identifier plates

You can add an identifier of your choice to the product, and manage your buckets and tools using your own system.



ITEM CODE	PRICE EXCL. VAT (€)
Depending on the model	-

Self-adhesive stickers

Based on the shape (old or new) of unlocking keys, this sticker can be affixed to your machine to help you manage the coupling/unlocking key pairing.

VISUAL	MODULE	ITEM CODE	PRICE EXCL. VAT (€)
	Morin V1.0 MSO and V2.0 moulded couplers	1008984	-
	Morin V3.0 Evolution couplers (with pin)	1008943	-
	M0 V4.0 ISO couplers	1008452	-
	M1 V4.0 ISO couplers	1008848	-
	M2 V4.0 ISO couplers	1008451	-

BUCKET OPTIONS



Bucket reinforcement

Depending on the application, your tool can be reinforced as necessary by wear parts such as:

- Shields,
- Side cutters, plates, double-bottoms, corner protections, skids, etc.

Bucket blade options:

- Blade format: DELTA, semi-DELTA
- Shields, removable or welded
- Plane blade, counter-blades, etc.

Please contact us for more information.

Hooks

Elements to be welded onto existing earth-moving buckets to facilitate handling.

MODULE	ITEM CODE	PRICE EXCL. VAT (€)
0	5047903	
1 and 2	5059959	
3 and 4	5045419	
5 and 6	5019418	



POSSIBLE COUPLING SYSTEMS FOR TOOLS



All our tools are available for direct fitting on your vehicles, as well as on the majority of common quick couplers.

This comprehensive approach will enable ACB+ to be your one-stop supplier for fully equipping your machines.

To ensure an optimum quality quick coupler / tool connection, we favour the incorporation of original connection kits purchased from the system manufacturer.

If necessary, we may ask you to supply items for incorporation into our tools.⁽¹⁾

Here is a list of the main quick couplers for which our design department is able to design a tool.

COUPLING WITH PIN ON ATTACHMENT		DEDICATED COUPLING	DIRECT COUPLING - MANUFACTURER'S DIMENSIONS
S SYSTEM	OTHER SYSTEMS		
EASY LOCK	ARDEN UA	ARDEN QA	On examination: sealed bearings available for working under water.
ENGCON*	DROMONE	KLAC	
OILQUICK*	GEITH	LEHNOFF	
ROTOTILT*	LIEBHERR SW*	LEHNOFF SYMLOCK	
SMP	MARTIN*	MBI (CR or AR)	
STEELWRIST*	MILLER	MECALAC ACTIV LOCK	
	MBI	MECALAC M CONNECT ⁽¹⁾	
	VOLVO VAB	MORIN ORIGINAL	
	VTN	VERACHTERT CW	

*Optional hydraulic connectors possible

⁽¹⁾ Connection to be supplied to us