

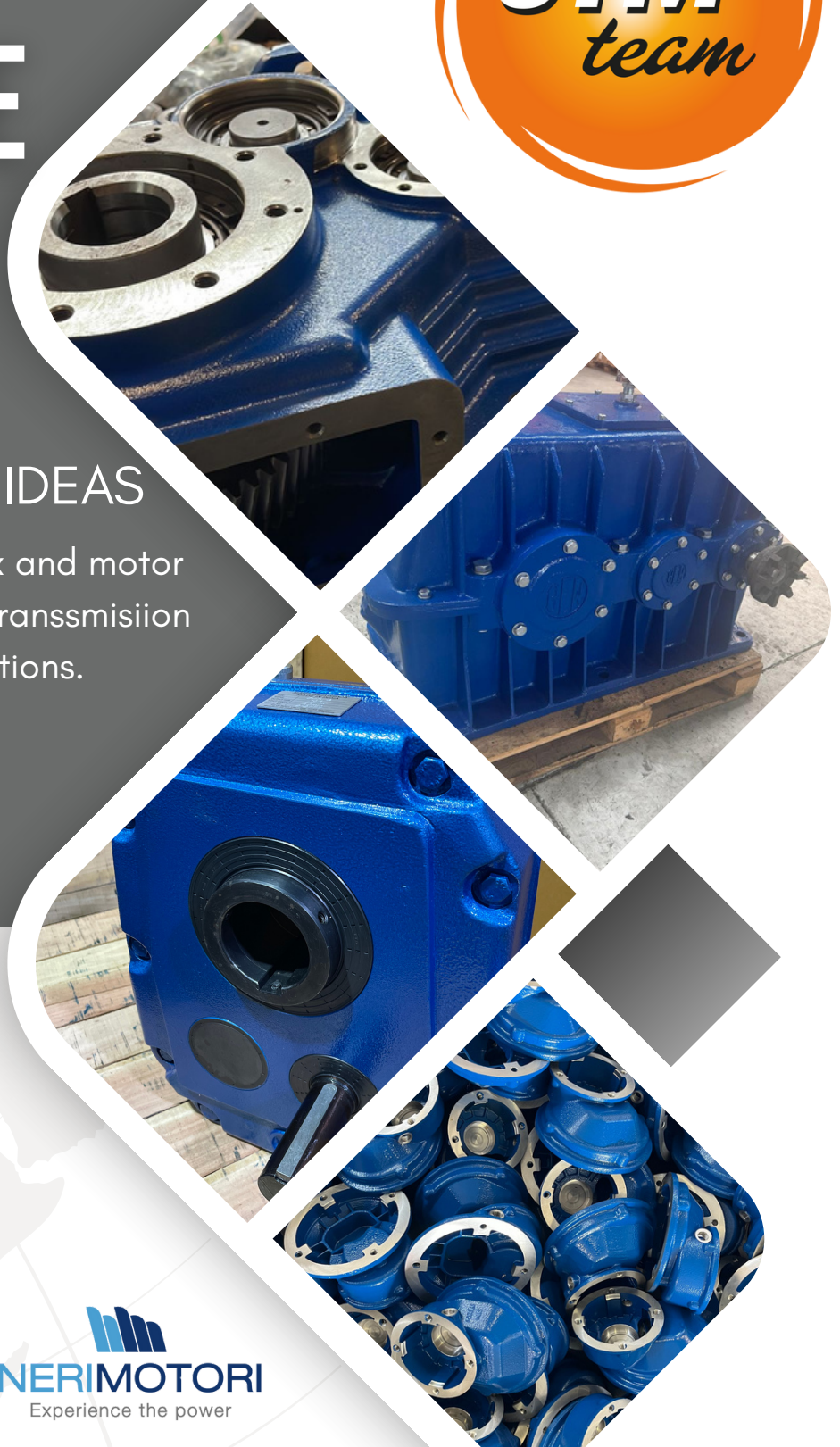
STM Riduttori South Africa (Pty) Ltd

SALES CATALOGUE



EMPOWERING YOUR IDEAS

Innovative and reliable gearbox and motor solutions for controlling power transmission in light and heavy applications.



+27 10 141 5710



sales@stmafrica.co.za



www.stmspa.co.za

HEAD OFFICE

Unit 10, The Warehouse, 153 Deodar St, Pomona, Kempton Park, 1619

CAPE TOWN BRANCH

Unit 18 The Reserve 3 Cnr Kruispad & Capricorn way Brackenfell, 7560

STM Riduttori

South Africa (Pty) Ltd

2019/491505/07 | VAT 4010288951

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OUR COMPANY



CERTIFICATIONS



sales@stmafrica.co.za



salescpt@stmafrica.co.za

STM
team



OUR FULL PRODUCT RANGE FOR CONTROL AND POWER TRANSMISSION IS EXPRESSED THROUGH ONE SINGLE POLICY: **HIGH TECHNOLOGY FOR SUCCESSFUL PRODUCTS.**

In the dynamic landscape of mechanics, one formidable entity stands out: the STM Riduttori South Africa Team, renowned for providing an unparalleled range of gearboxes and geared motors.

With a commitment to innovation, the STM Team delivers cutting-edge technical solutions tailored to meet the precise needs of users across both light and heavy mechanical sectors. This strategic partnership not only ensures access to advanced products but also encompasses comprehensive product expertise and effective marketing strategies.

For the STM Team, unity is not just a motto; it's a promise. Moving forward, this pledge extends to guaranteeing utmost customer satisfaction at every turn.

OUR MISSION

Designing and manufacturing innovative and reliable solutions for power transmission and control in the industrial sectors, promoting sustainable development shared worldwide.

STM Riduttori is market driven and strives to be a company "easy to work with" and with high customer orientation for creating long term partnerships.

STM Riduttori South Africa holds sole distribution rights to sell the STM Riduttori, GSM Riduttori and Neri Motori products in South Africa. We currently have two branches in South Africa:

OUR VALUES

► Transparency

► Cooperation

► Willfulness

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WORLDWIDE NETWORK



- Branches STM
- Service

SEF (Lombardia)
LABET (Piemonte)
STM VENETO
TECNODRIVE (Lazio)
STM SUD
STM DEUTSCHLAND
STM POWER TRANSMISSION (UK) EURODRIVES (CH)
ARS (RU)
GSM SIBERIA
STM SWEDEN
MARTINENA (ES)
STM AANDRIJFTECHNIEK (NL) STM UKRAINE
STM FINLAND
STM TRANSMISSIONS (FR)
STM POGONSKI SISTEMI (SI) YOUNG POWERTECH (US)
STM SOUTH AFRICA
STM KOREA
STM MEXICO
STM ARGENTINA
STM AP (ASIA PACIFIC)
STM GEAR DRIVES (AU)
STM DO BRASIL
STM BEIJING (CN)
STM INDIA



SERVICES

STM Riduttori South Africa provides a range of services for gearboxes and motors, catering to both industrial and light applications.



NEW
PRODUCTION



PRODUCT
REPAIRS



CUSTOMISED
RETROFITTING AND
SOLUTIONS



24/7
BREAKDOWN
SERVICES



CUSTOMISED
PAINT
SOLUTIONS

SALES

STM Riduttori South Africa provides a comprehensive range of gearbox and motor solutions tailored for industrial and technical applications. Our expertise lies in both importing and customisation to ensure optimal performance and reliability.

Our team of skilled technical sales specialists offer personalised assistance in selecting the right products and providing competitive quotes to meet your specific requirements.

AFTER-SALES

Our dedicated aftersales team is committed to providing unparalleled technical support, troubleshooting assistance, and expert guidance.

We prioritise meeting our customers' needs by delivering swift and efficient services, ensuring seamless resolution of any queries or issues you may encounter.

REPAIRS & BREAKDOWN SERVICES

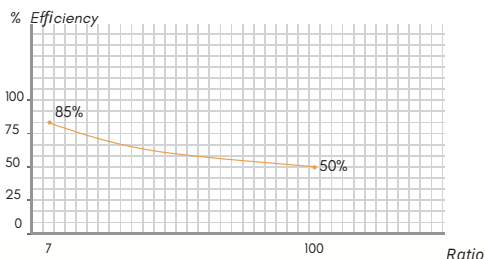
STM Riduttori South Africa offers 24/7 breakdown and repair services tailored to our esteemed customers.

With our dedicated team always on standby, we swiftly attend to your needs, ensuring prompt resolution. From gearbox to motor issues, our comprehensive breakdown service caters to both light and heavy requirements, guaranteeing reliable assistance whenever you need it.

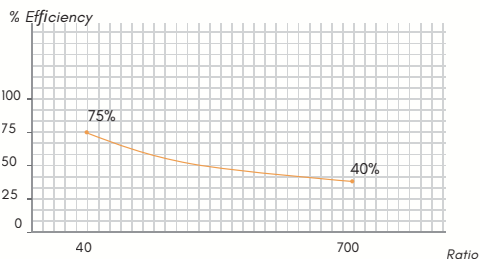
EFFICIENCIES

WORM GEARBOXES EFFICIENCY

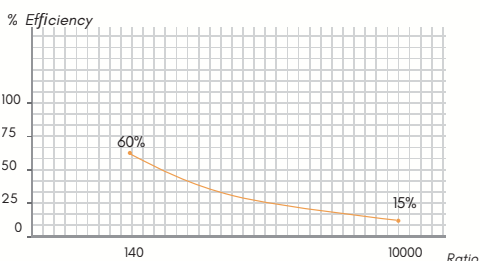
R / U



CR, CBR, CBU

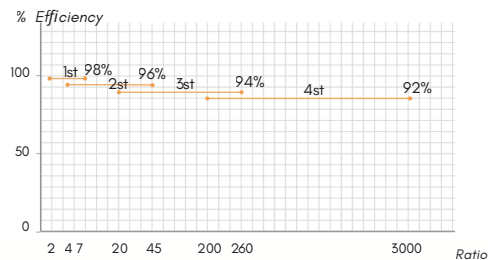


RR

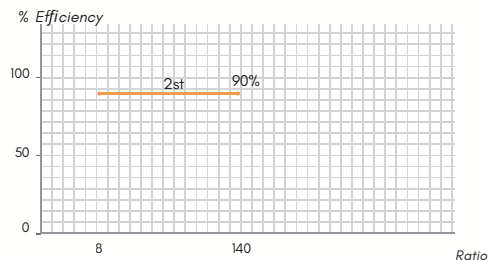


HELICAL, BEVEL AND PLANETARY GEARBOXES EFFICIENCY

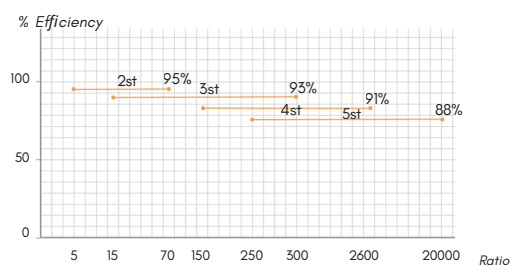
A, P,
CAM
RXP, EX

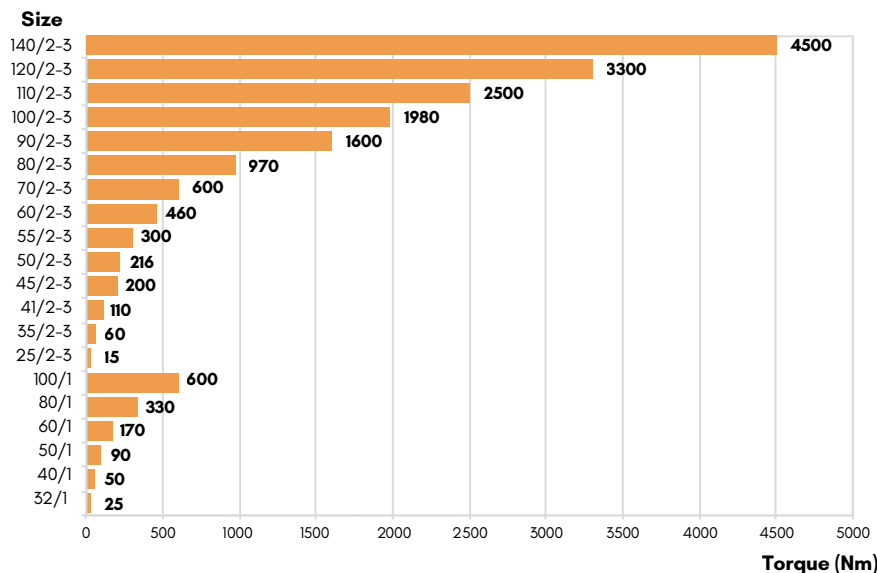


SM



O, RXO,
RXV, EXB,
EXR





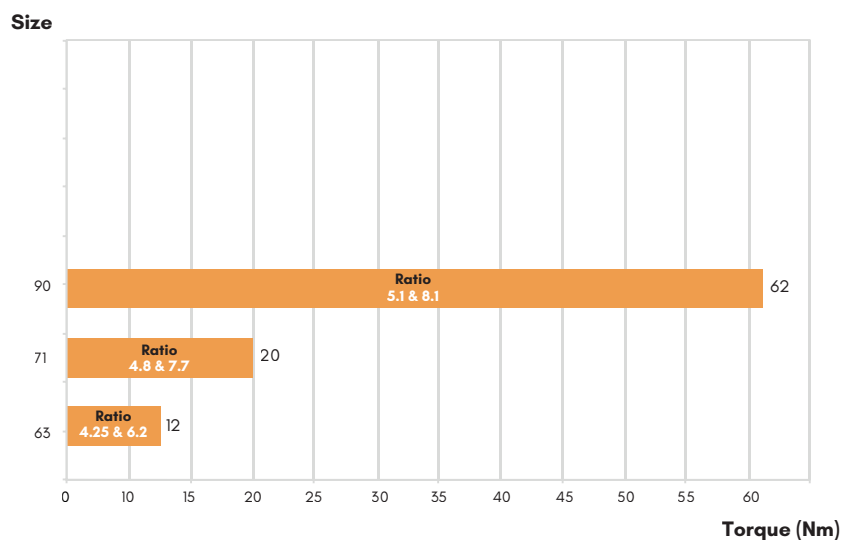
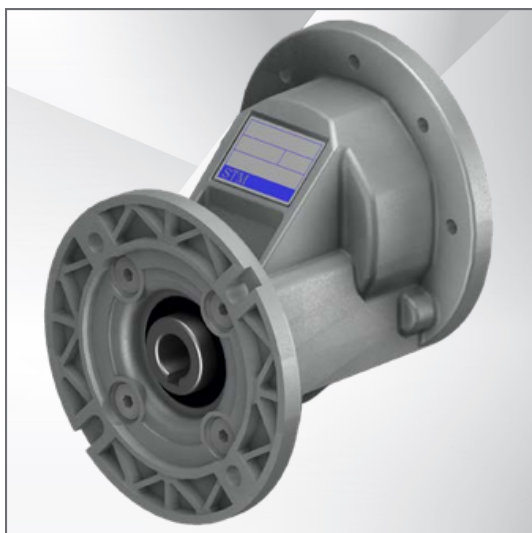
The design of this series of gear units is founded on a single-body casting, enhancing rigidity. This enables the handling of high loads without the risk of deformation that could compromise technical performance.

The unique internal configuration of the body optimizes oil flow, ensuring lubrication reaches all moving components while minimizing noise levels and enhancing sealing integrity. Additionally, a novel modular output flange offers unparalleled versatility in application.

Drawing upon extensive expertise in the realm of 2 and 3-stage inline gearboxes, we have developed a 1-stage variant tailored for industrial applications demanding high-speed output shafts.



SINGLE STAGE GEARBOXES



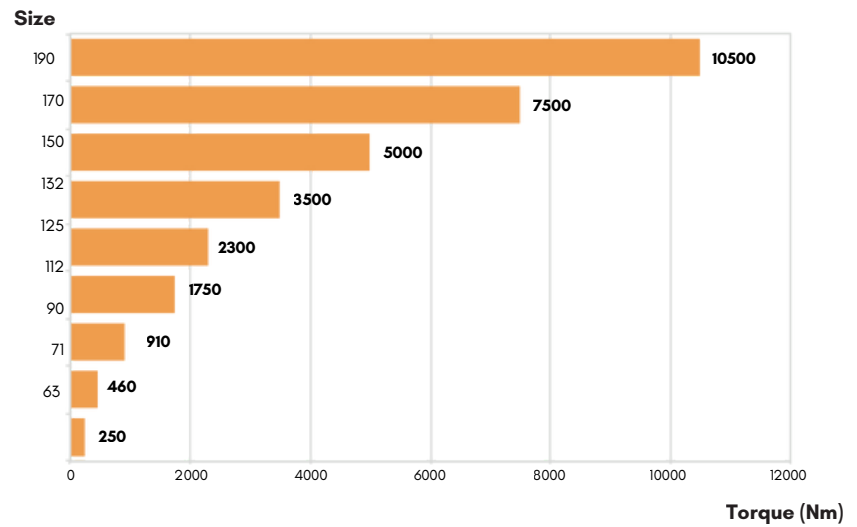
The CAM series is made with a pair of gears, built with casing and flanges in die-cast aluminum and gears in steel, casing hardened and ground.

Pre-stage CAM is usually combined with worm gearboxes, where it is necessary to achieve higher reduction ratios than those offered by standard solutions.

CBR products are available in the catalogue, a range of products combined with R series. CBU products are a range of products combined with U series gearboxes.

It is possible to match them in combination with other STM products, but for technical selection and supply, it is necessary to request information from our sales team.

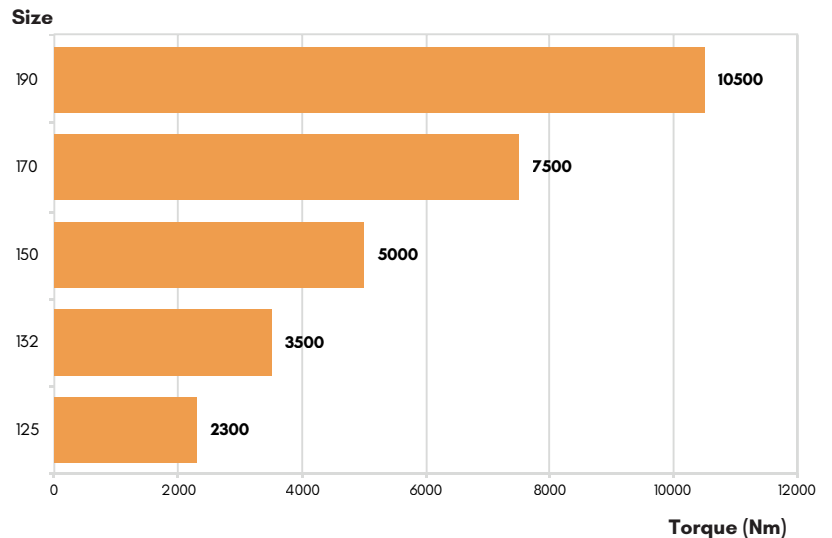




The product range exhibits exceptional robustness attributed to its single-piece cast housing. This, coupled with the compact PAM input's technical design, positions the product at the pinnacle of the market in terms of both quality and performance.



PARALLEL SHAFT MOUNTED GEARBOXES WITH PLANETARY GEAR



This product is created using our P series gearbox, combined with 2 planetary reduction stages on the input therefore providing a 4-stage gearbox, increasing the available reduction ratios well beyond the limits of the P and PL series.

This allows us to achieve very high reduction ratios, in an extremely rigid structure which is compact, and with radial dimensions even lower than the PL series.

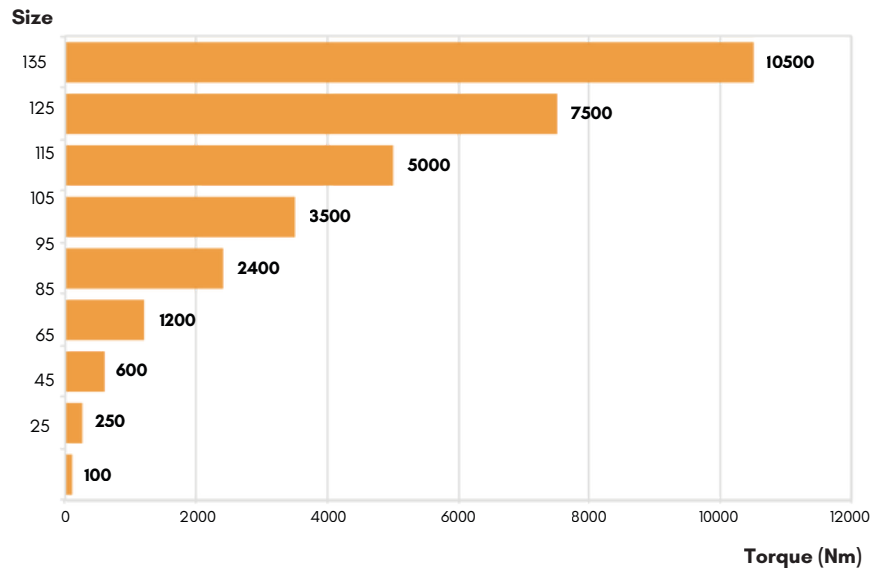
The result is the combination of the advantages of the P series: the robust monolithic structure, and easy installation with the peculiarity of having extremely high reduction ratios.

These gearboxes represent a response to applications such as screw conveyors, mixers, lifts, and displacements, where particularly slow handling is required.



PARALLEL SHAFT MOUNTED GEARBOXES WITH LONG CENTER DISTANCE

PL



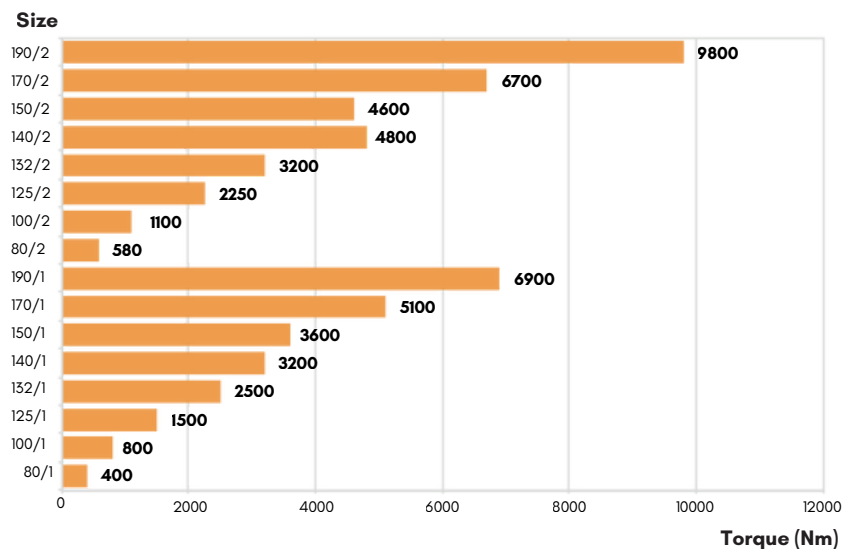
This gearbox, with an extended center distance is tailored for customers requiring alignment of the motor and application on the same side. The outcome is a remarkably flexible and easily installable unit, ideal for various applications like screw conveyors, mixers, and winch/drum lifting drives.

The design of this gear unit range centers on a single-piece casting, enhancing rigidity. This capability enables the handling of high loads without the risk of deformation that could compromise technical performance.



SHAFT MOUNTED GEARBOXES

PT



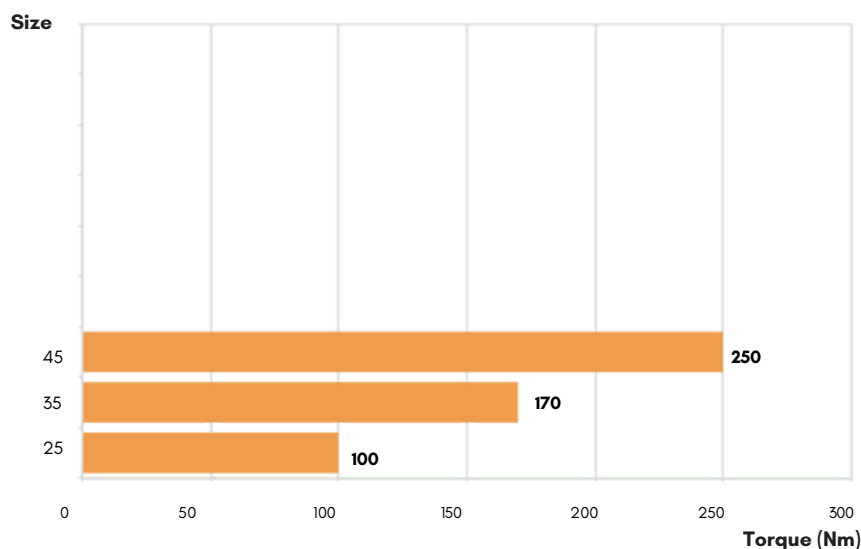
The sturdy PT series is ideal for the material handling industry, especially for the quarry and mine applications where absolute reliability and low maintenance are key factors.

An exclusive innovation is the monolithic casing with inspection cover.

Available options:

- the backstop device that prevents back driving in case of inclined conveyors;
- the shrink disk for rigid and accurate mounting also with many start-up/hour; and
- the taper bushing join interchangeable with easy dismounting.



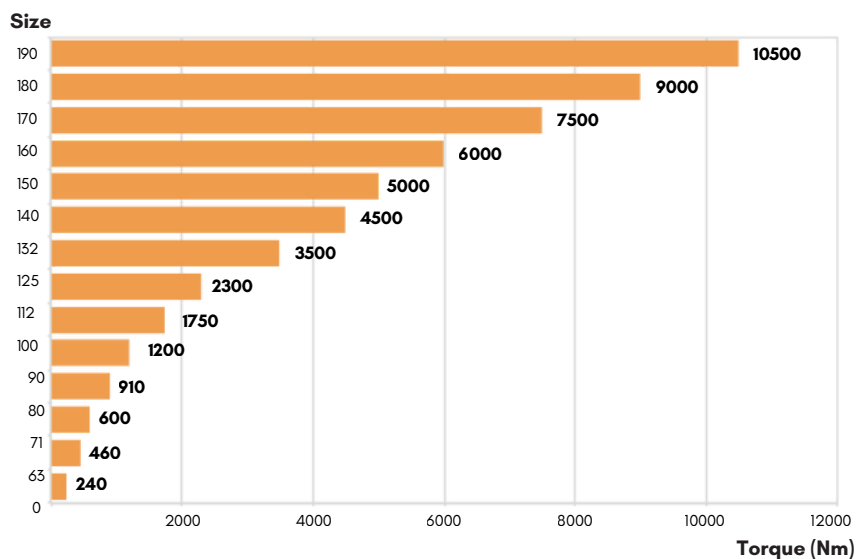


The low-power bevel helical gearbox range has a groundbreaking design, for which STM has obtained the copyright. This innovative gearbox incorporates helical gears with inclined shafts, combining the cost-effectiveness of worm gearboxes with the high efficiency of bevel helical gearboxes featuring right-angle pairs in a single design.

The planned range comprises three sizes covering a torque range from 100 Nm to 250 Nm, catering to diverse applications. This product offers the optimal torque-to-cost ratio, making it the ideal choice for efficiency optimization.



BEVEL HELICAL GEARBOXES

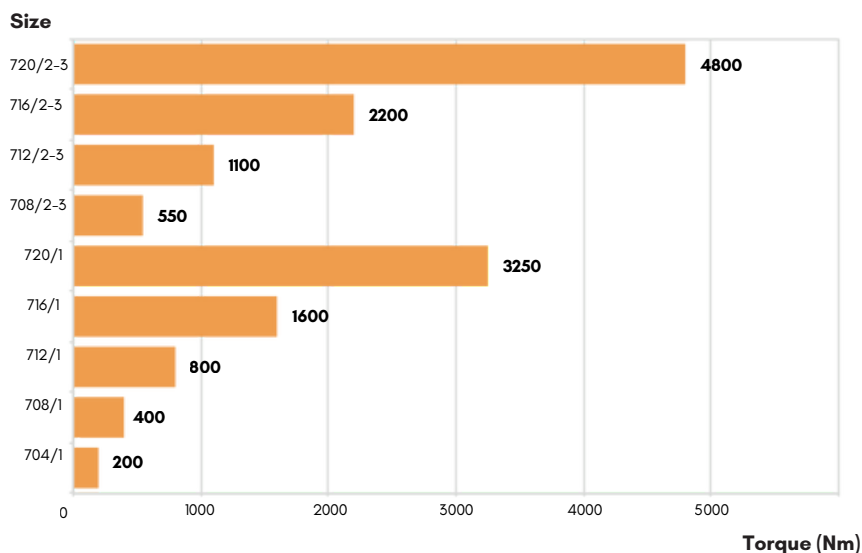


This range of products is extremely robust due to the single piece, cast housing, which, combined with the technical choice to have 3 reduction stages, places the product at the high-end of the market in terms of quality and performance.

Available options:

- backstop device that prevents backdriving in case of incline conveyors;
- shrink disk for rigid and accurate mounting also with many start-up/hour; and
- taper bushing joint interchangeable with easy disassembling.





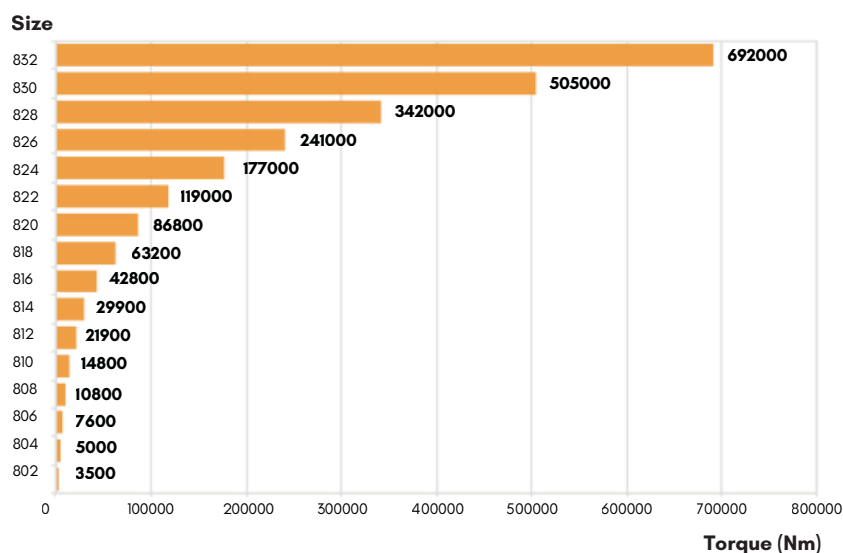
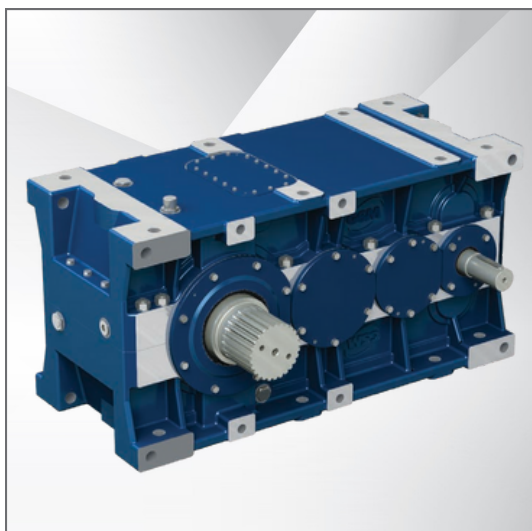
The parallel axis series RX 700 is a complementary range to the RX 800 gearbox line. This series addresses the lower power requirements within a product line that has served as a benchmark in the market for over 40 years.

Characterised by a robust monolithic housing with numerous fixing and connection positions, generously oversized and overrated gears, along with an array of accessories and options, this product is distinguished for its strength and reliability.



HIGH TORQUE PARALLEL GEARBOXES WITH LONG CENTER DISTANCE

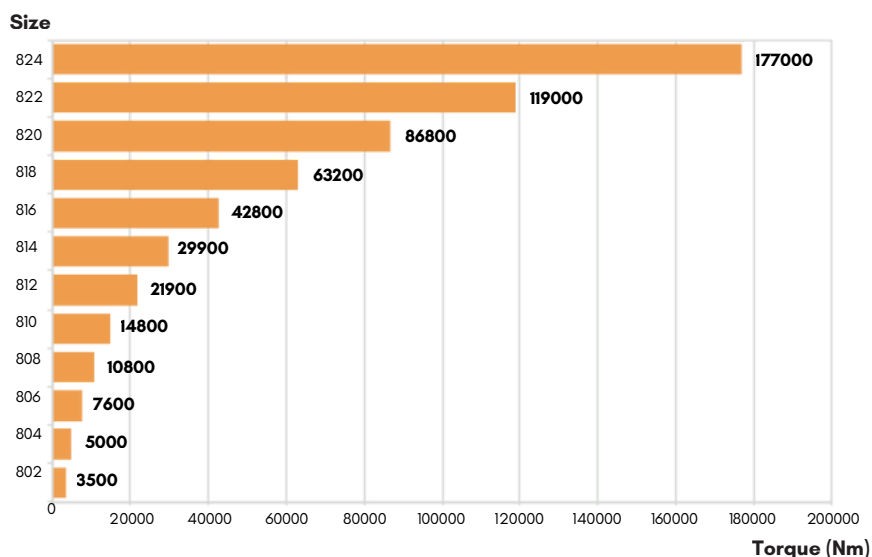
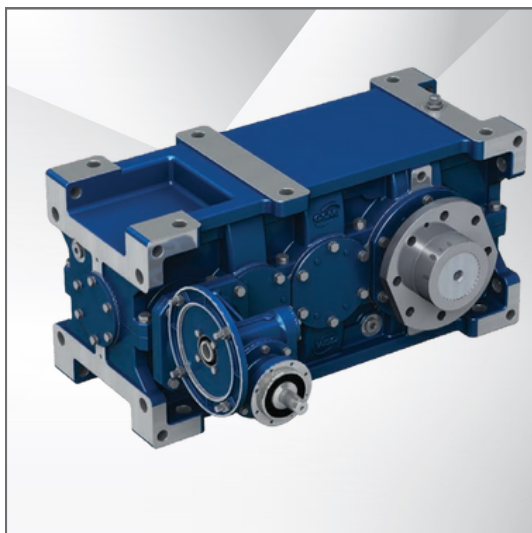
RXP/800



The new range of universal parallel shaft gearboxes sets a new standard in the market, having adequate sizing which ensures constant and optimum reliability in the toughest working conditions. This range is an effective response to the power transmission needs of medium-heavy and heavy industry.

To complete the range, we also made the same gearboxes with long center distance. The increased load capacity of cylindrical gears and bearings has reduced the size of gearboxes in the market, reducing the shaft center distance between input and output. With this new line of drives you are free to apply the electric motor and your application from the same side, without sacrificing the strength that has always set them apart.





RXP/E series for industrial lifting takes its origin from the standard RX to which has been given a secondary differential gearbox. These gearboxes have input and output shafts with wide dimensions in order to fulfil the expectations of heavy mechanical producers of lift systems, giving an optimum relationship between performances and weight.

The planetary differential gearbox has a double input that can be found between the main motor and the lift gearbox, with the purpose to obtain two different speeds to the output low shaft.

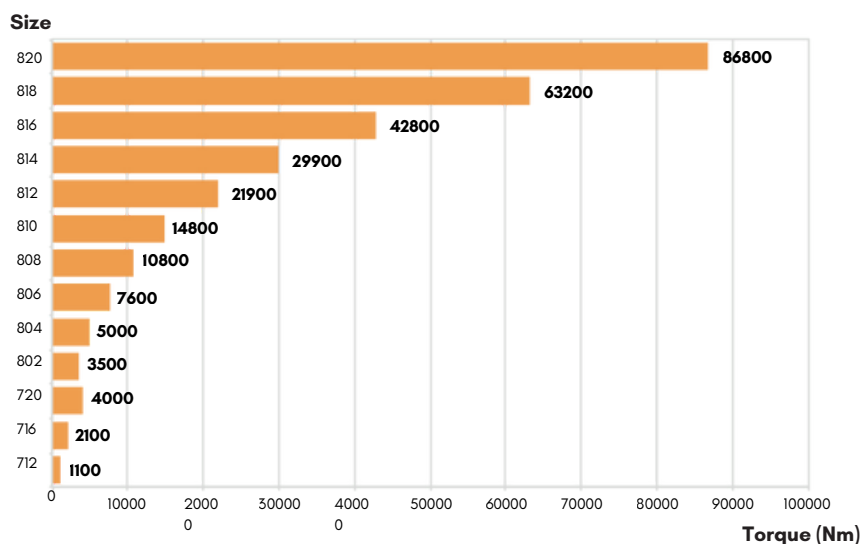
While one motor is working, the other one is constantly braking.

The change of worm ratio inside the differential gearbox gives the opportunity of obtaining different output speeds, and so varying the relation between primary and secondary speeds.



EXTRUDER GEARBOXES

RXP/EST



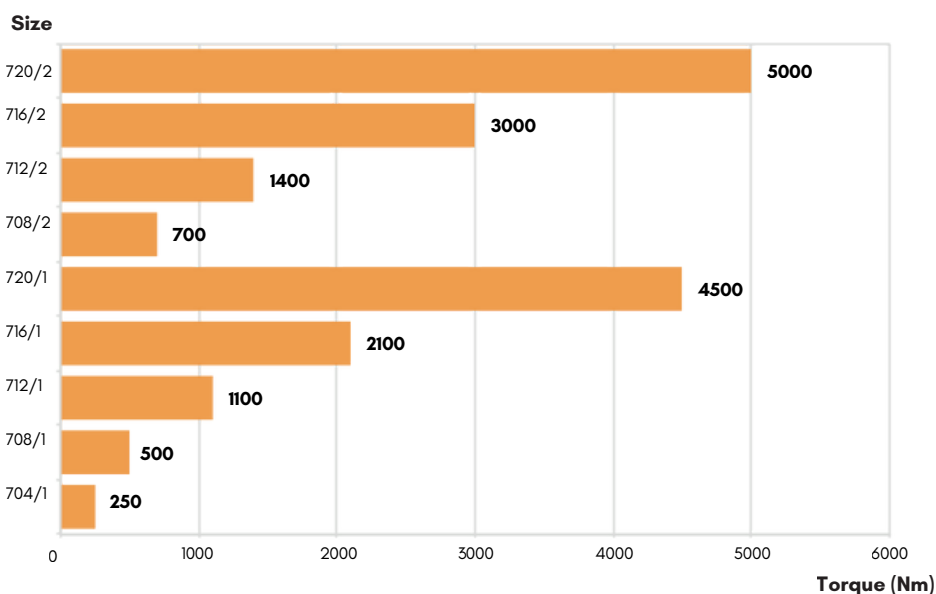
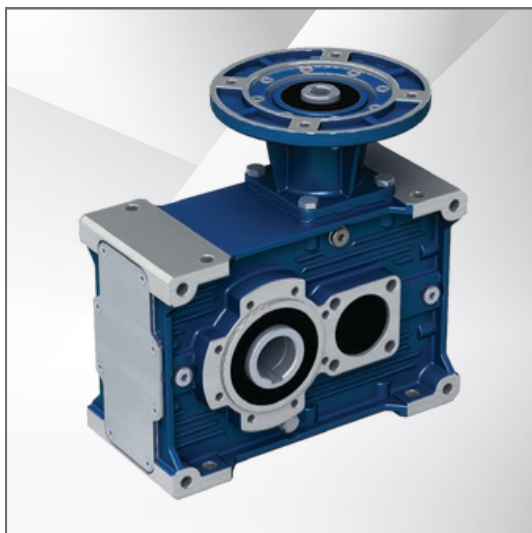
This gearbox series for single screw extruder control has consolidated the position of our company at the market top for transmittable moment torque.

We can cover the extruder diameter screw from 30 mm to up 300 mm (from 220 mm on request). RXP/EST is a machine intended to be very innovative by having screw front extraction and thrust hold bearing on flanged mounting.

In this way we can reach the highest integration between drive and extrusion leading to an unbeatable ratio quality/price.

As this sector is constantly evolving, our company is constantly researching and developing new solutions for the customers.





Shortly following the market introduction of the RX 800 gearbox line, the bevel helical series RX 700 is now prepared for launch as a natural complementary range, addressing the lower power spectrum of a product line that has served as a market reference for over 40 years.

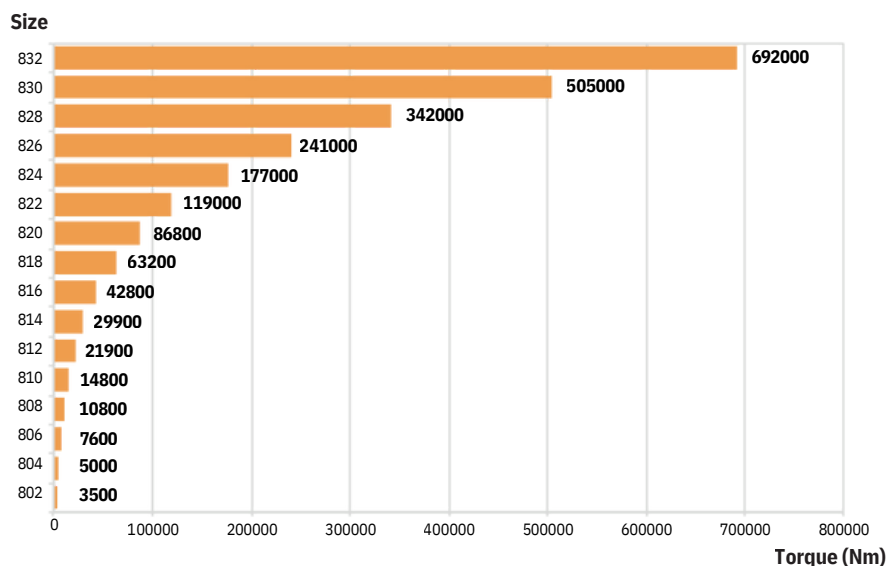
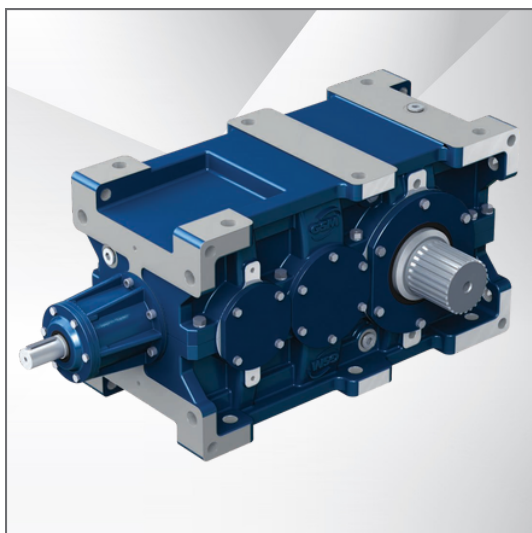


Featuring a robust monolithic housing with multiple fixing and connection positions, generously oversized and overrated gears, as well as an array of accessories and optional features, it stands as a robust and reliable product.



HIGH TORQUE BEVEL HELICAL GEARBOXES

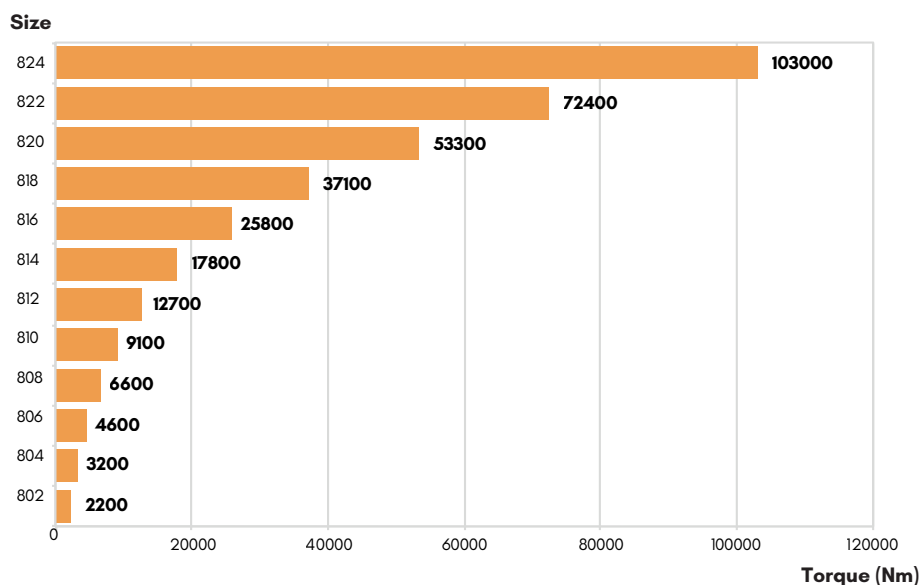
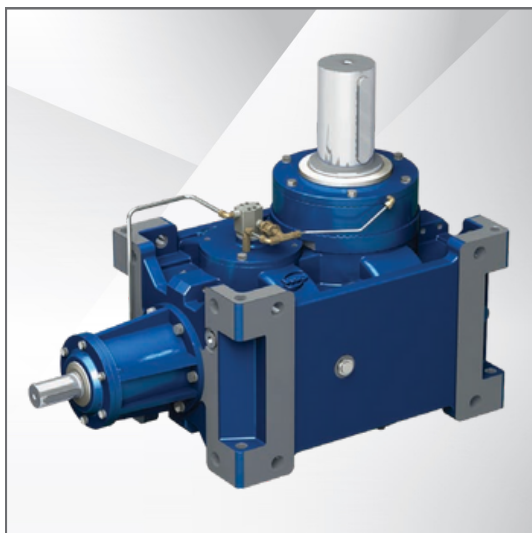
RXO/800



The range of bevel helical gearboxes sets a high standard in the market, having adequate sizing which ensures constant and optimum reliability in the toughest working conditions.

This range is an effective response to the power transmission needs of medium-heavy and heavy industry. To complete the range, we also made the same gearboxes with very low ratios, leaving them free to be used in a wide range of applications.





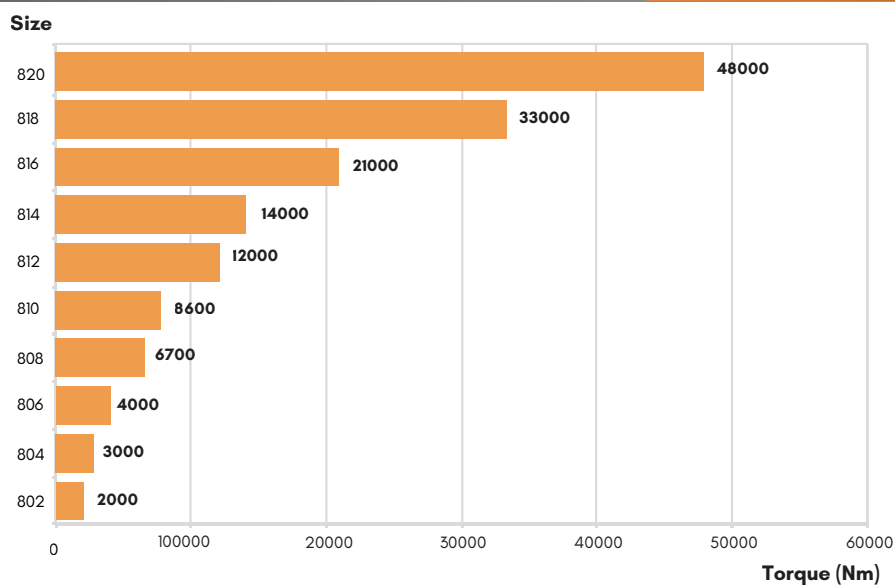
This gearbox series for cooling towers and/or pulp and paper mixers is especially built to grant reliability to customers. This is made possible through a generous upsizing of both gears and bearings as well as a balanced internal gear arrangement, so to offer optimization of uniformity in balancing loads inside the gearbox.

With the half casing the periodic inspection and maintenance purposes are facilitated, especially in places that are not easy to access.



AIR COOLED CONDENSERS GEARBOXES OR GEAR MOTORS

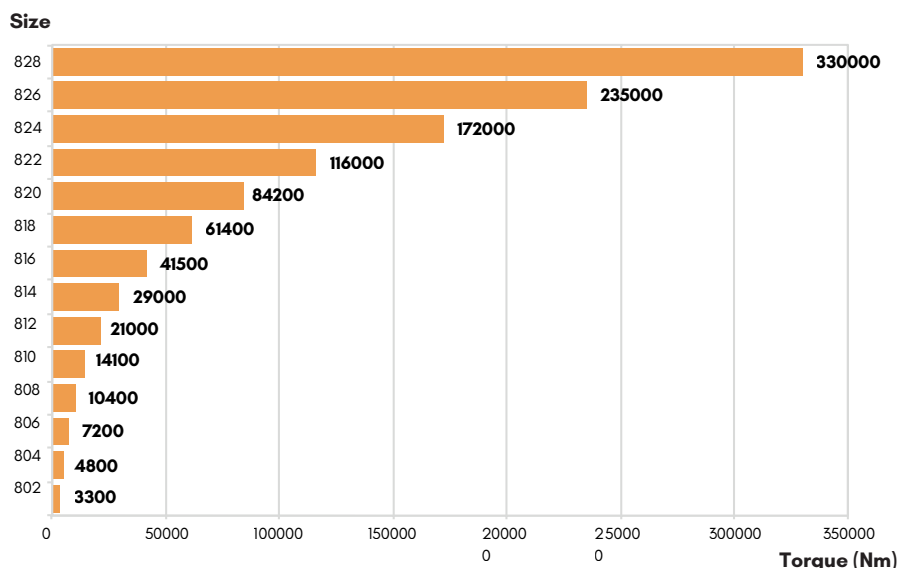
RXP/CR



This gearbox series for air-cooled condensers are specifically designed to ensure reliability for customers.

This is achieved through a substantial increase in the size of both gears and bearings, as well as a meticulously balanced internal gear arrangement, aimed at optimizing load distribution within the gearbox.





RXO/O series for bucket elevators takes its origin from the standard RX to which a secondary auxiliary gearbox is added to modify the transmission speed. As a result the gearbox will work at a primary speed for the standard operations and at a secondary speed (much slower) for positioning.



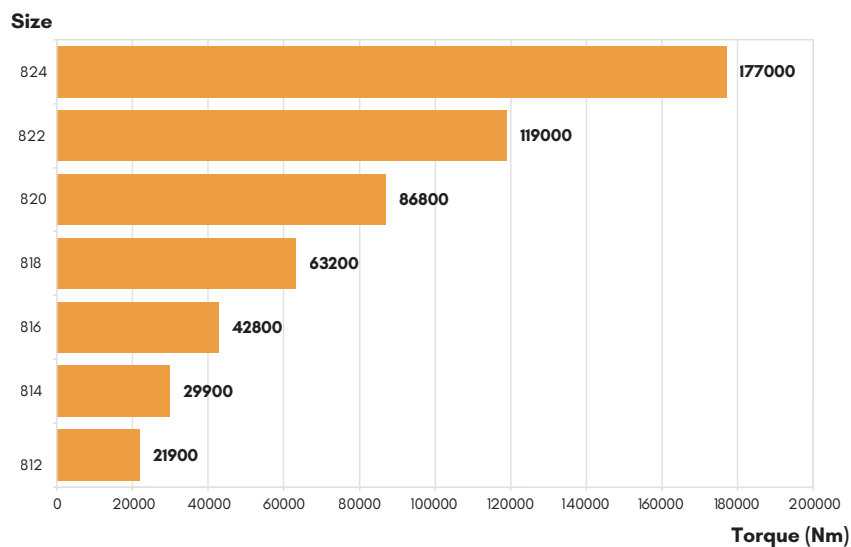
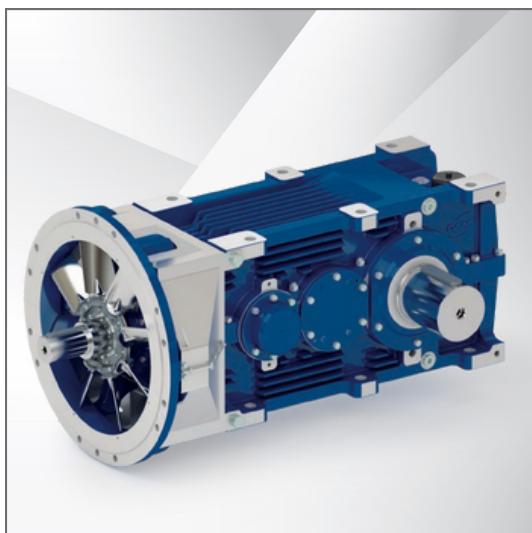
Available options:

- backstop device that prevents back driving in case of incline conveyors;
- shrink disk for rigid and accurate mounting also with a lot start-up/hour.



MINING GEARBOXES

RXMASTER



The RXMaster gearbox series has been specifically designed for mining conveyor drive applications where exceptional performances, improved bearing life and increased thermal capacity are primary objectives.



The RXMaster series is enhanced by a high power-to weight ratio, where units can be modified to suit customer specific requirements. Excellence in conveyor drive operations.



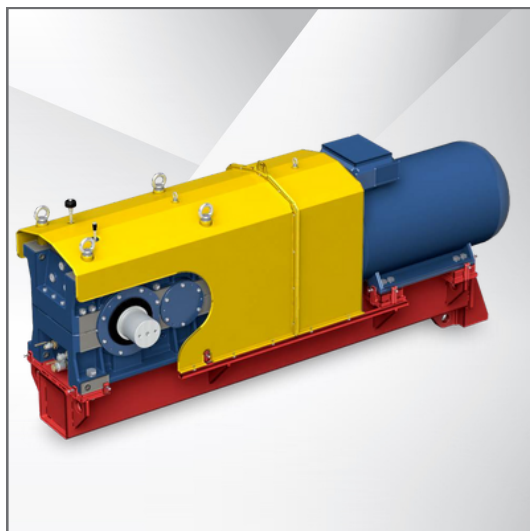
RXMASTER



Bevel helical gearboxes RX 800 line meet the needs of cement plant applications by offering the highest quality components, which are easily adaptable to a variety of mounting configurations.

In addition to the gearbox, we may supply you with hydraulic coupling, shoe brake, electric motor and GSMOVERRIDEX base plate mounting. This full drive package solutions allow our customers to simplify engineering process, reducing assembly time and expense and being provided with a unique warranty coverage.

GSMOVERRIDEX

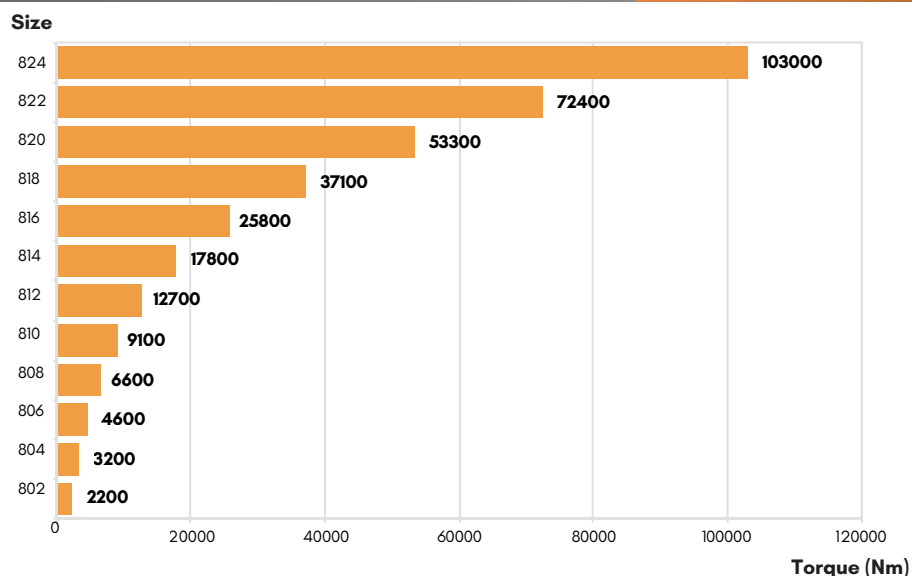
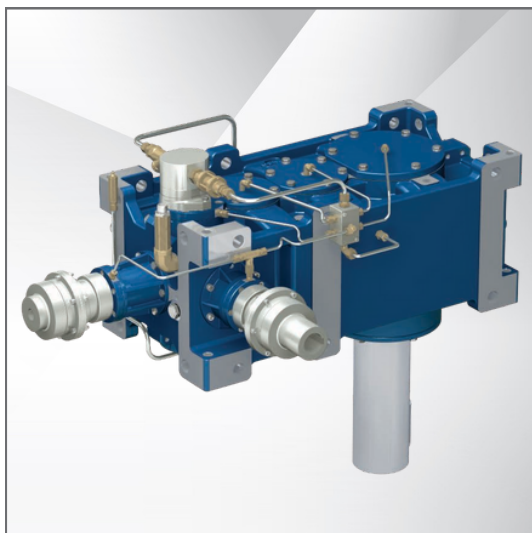


Bevel helical gearboxes RX 800 line meet the needs of mining and bulk material handling applications by offering the highest quality components, which are easily adaptable to a variety of mounting configurations.

In addition to the gearbox, we may supply you with hydraulic coupling, disc brake, electric motor and GSMinerX swing base mounting. This full drive package solutions allow our customers to simplify engineering process, reducing assembly time and expense and being provided with a unique warranty coverage.

GSMinerX





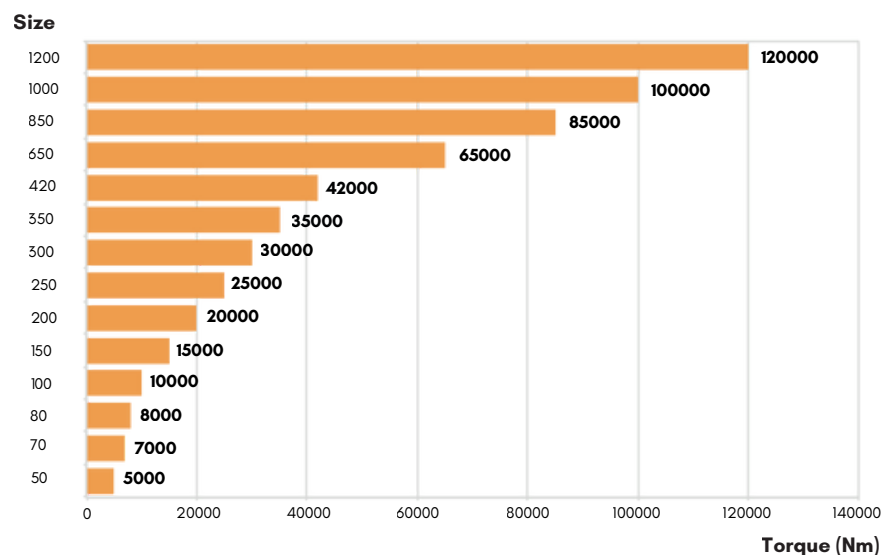
This gearbox series for mixers and/or aerators is specifically intended to withstand high axial loads normally found in these types of machines, through a couple of upsized taper roller bearings placed on an upsized support reducing the jolt of the application. The cylindrical output shaft is available with key, with flange connection and with shrink disk.

The DRY-WELL device is also available and appreciated to eliminate possible oil leaks.



SLEWING PLANETARY GEARBOXES

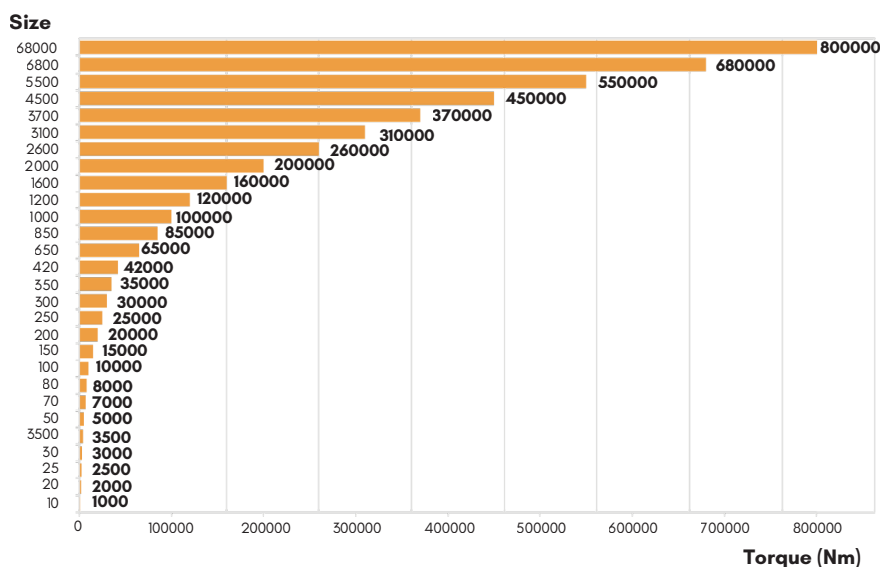
EX/V



STM Riduttori slewing drives are an essential component in keeping weight and size to a minimum on equipment such as tower cranes, Pitch and Yaw drives for wind energy, aerial platforms and mixers. Their planetary structure means that they can withstand very high torque values while maintaining reduced dimensions, reduced weight and high efficiency.

The wide range of available ratios enables the selection of a motor size and type which best suits users requirements: hydraulic or electric. Bevel input and hydraulic brake are some of the options, which are available for this series. Simple mounting, operating reliability and versatility make these units suitable for the most severe duties and environments.





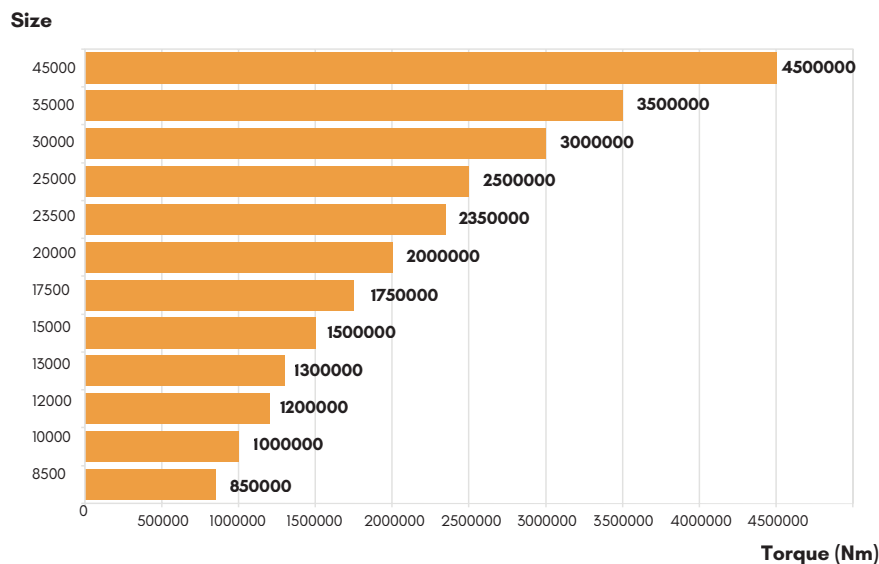
The EX series are compact and yet extremely powerful. Their planetary drive train makes them the ideal choice for all the severe duty applications where shock loadings and impacts are more the rule than the exception.

The product configuration is highly versatile, due to several options as far as the mounting, the gear layout, the output shaft and the motor interface. Finding the perfect match to any drive problem is therefore more than a wish, it is something users can safely rely on, always.



HIGH TORQUE PLANETARY GEARBOXES

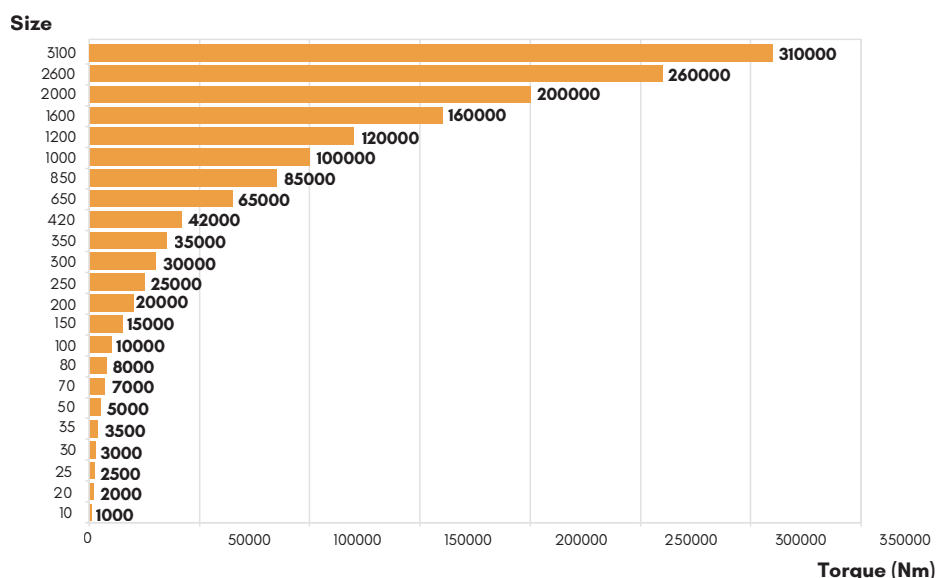
EX



This range of planetary gearboxes establishes an innovative market standard. The design provides high performance with compact dimensions and it is suitable for a wide range of applications where a reliable transmission is needed.

A wide choice of ratios and above all the availability of numerous intermediate sizes enable the EX range to offer a truly complete answer to the needs of heavy duty applications. The best solution for superior performance.





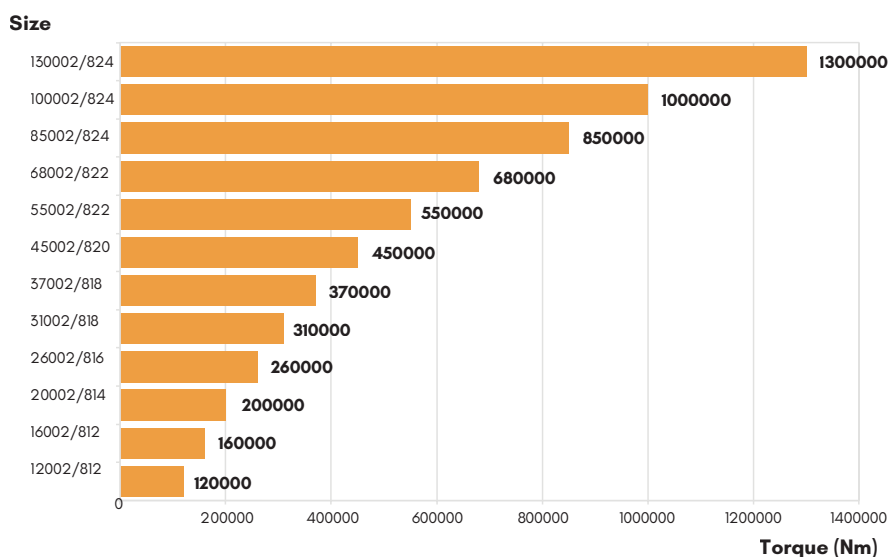
The EXB right-angle planetary gearboxes combine high performance with compact size. These EXB gearboxes come in a wide range of ratios to ensure silent running in all sorts of applications.

The cutting-edge design and technological production guarantee the typical high quality and performance of our products. Gear up your business with the best products.



HIGH TORQUE BEVEL HELICAL PLANETARY GEARBOXES

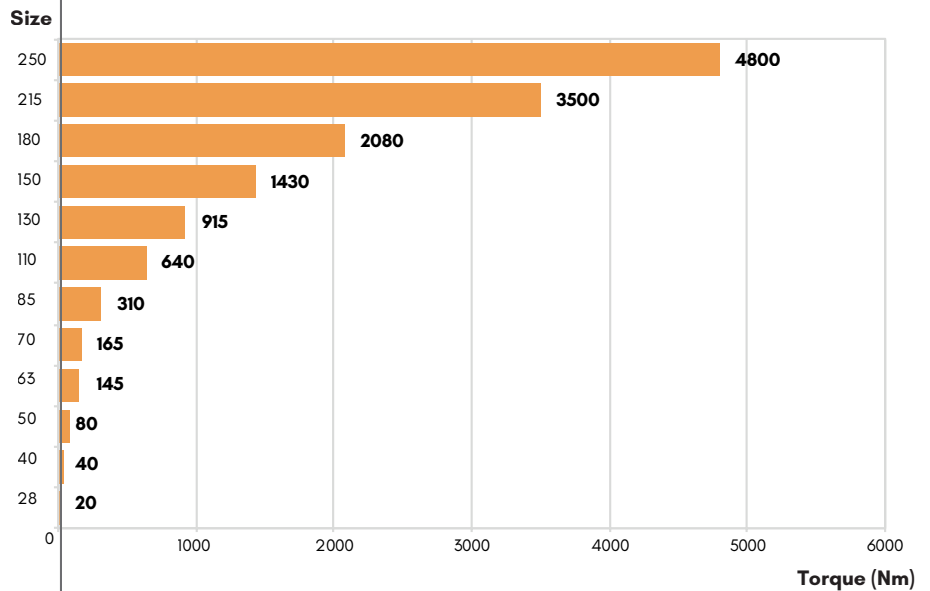
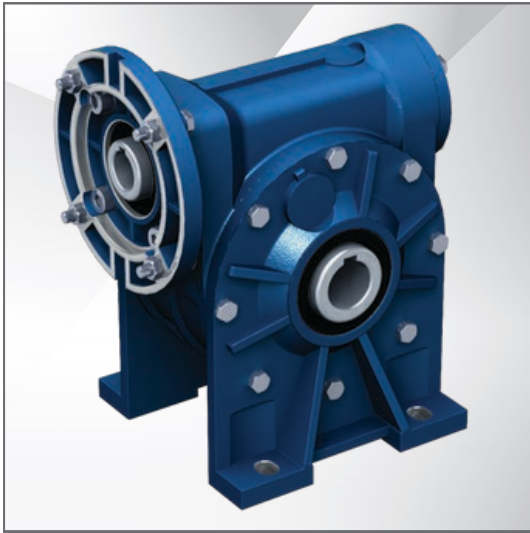
EXR



The EXR gearboxes combine the high performances and robustness of planetary gearboxes with the efficiency and reliability of bevel helical gearboxes. These EXR combined gearboxes are ideal for applications that demand high power density along with medium-low output speeds.

Compared to inline gearboxes, the EXR combined gearboxes guarantee significant benefits on thermal capacity, ratios and silent running. Power without compromise.





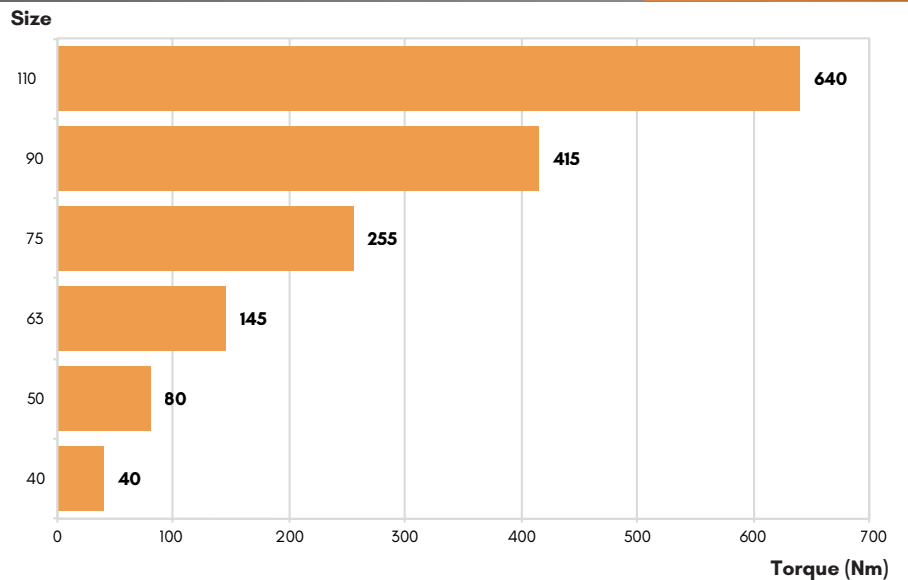
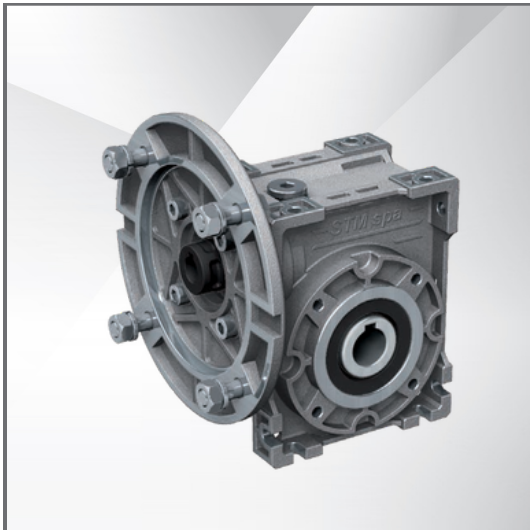
The company has decided to update its main product by incorporating three innovative principles: two are technical and one is commercial. All aluminum components are die-cast (from size 28 to size 70) to enhance resistance to torsion and structural flexibility. A ZI teeth profile (section and involute) has been adopted to improve efficiency and reduce noise.



Finally, a modular attachable output flange (FL) has been introduced to enhance flexibility. These new strategies aim to tap into a larger market, starting from 1987, with the patent of the torque limiter integrated into our standard gearbox.

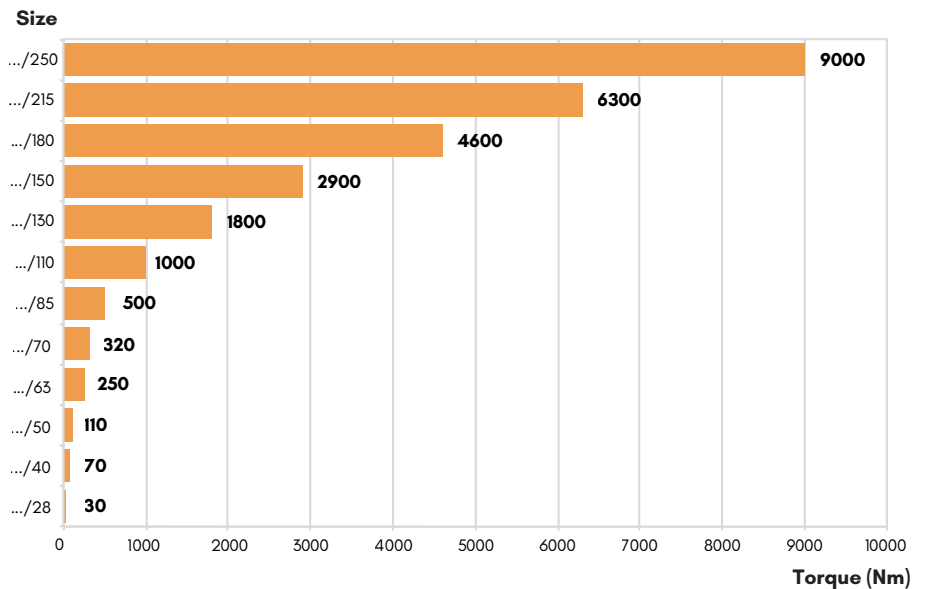
UNIVERSAL WORM GEARBOXES

U



These units make up a line of cube-shaped worm gearboxes. This design offers versatility in mounting options and enhances component modularity in stock. With an input coupling, users can connect various sizes of IEC, brushless, and NEMA electric motors, facilitating a diverse range of gearbox configurations and mitigating fretting issues to enhance overall quality. The body design prioritizes heat dissipation optimization and simplifies cleaning, even in challenging environmental conditions.





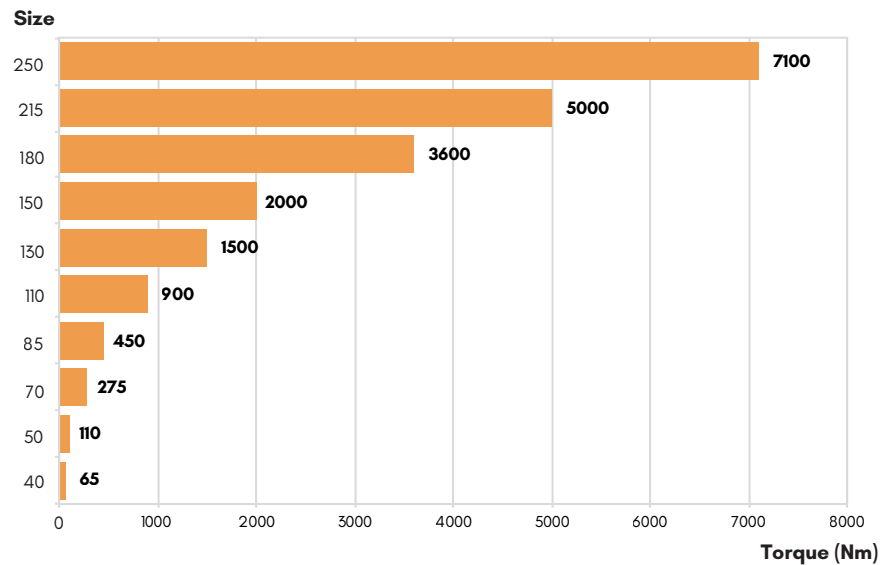
By simply connecting two worm gears, we create this gearbox series designed for applications requiring low ratios: sacrificing some efficiency in exchange for heightened competitiveness and silence.



All accessories from the R and U series are at your disposal, including double extension input, output taper bearing, torque limiter, output solid shaft, and torque arm.

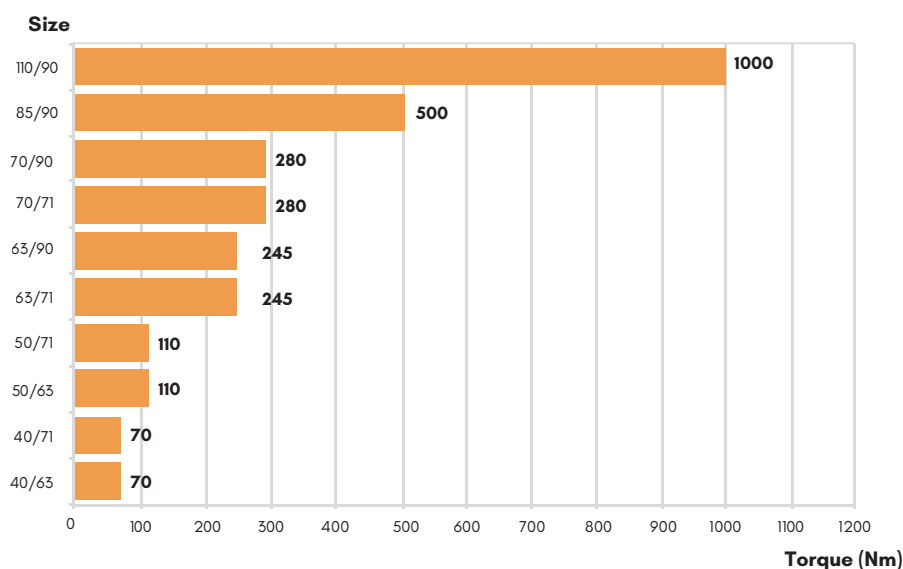
HELICAL WORM GEARBOXES

CR

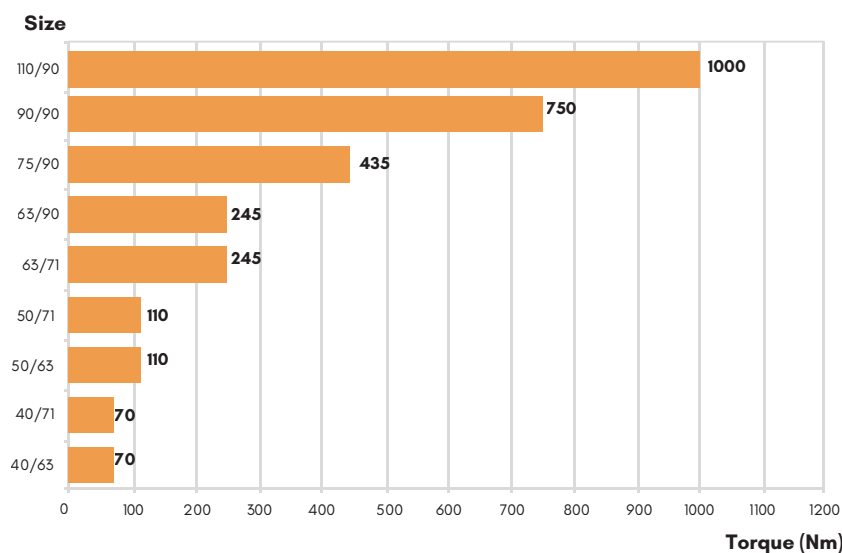
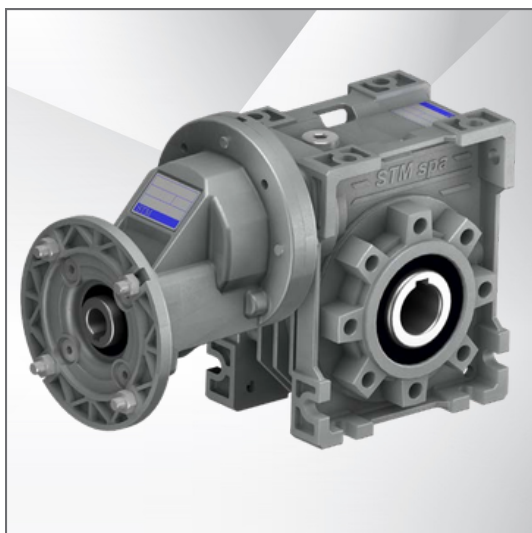


When designing this range, STM technicians decided to project one single body to include all gears. This solution allows an efficient heat dissipation as well as a high housing rigidity and application easiness. Efficiency will then be positively improved but also longevity and highest transmittable torque. The compromise cost/performances is particularly centered in the middle range reduction ratios.



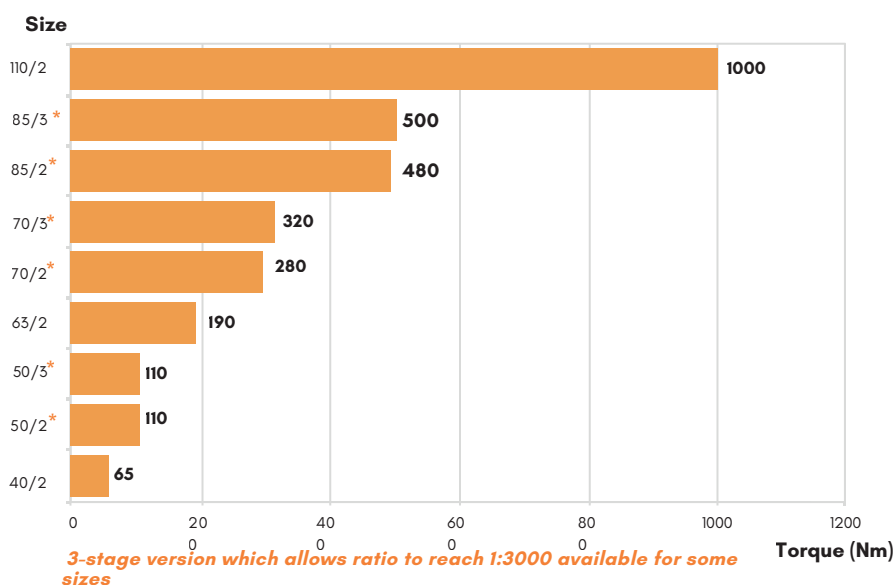


When combining a worm gearbox from the R series with a CAM series gearbox, we create the CBR series of gearboxes. This series is optimal for tasks needing greater output torque and reduced reduction ratios compared to what's possible with R series gearboxes alone. Plus, all accessories from the R series are compatible, including high output load bearings, torque limiters, output shafts, and torque arms.

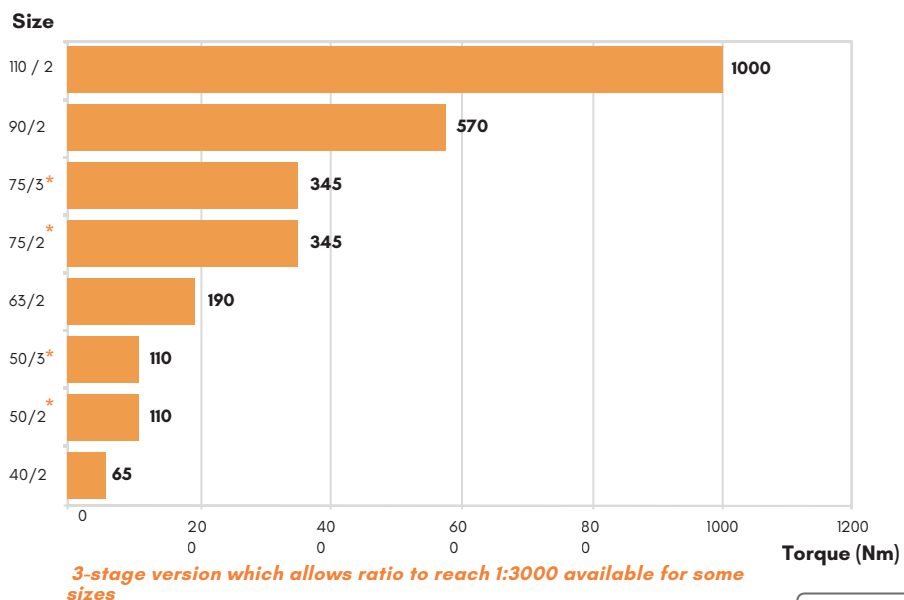


By assembling a worm gearbox of the U series to a CAM series gearbox, we obtain this series of gearboxes named CBU. This is the ideal choice for applications that require higher output torque and slower reduction ratios than those achievable with the equivalent gearboxes of the U-series. All of the accessories of the U series are available such as output shafts and torque arms.



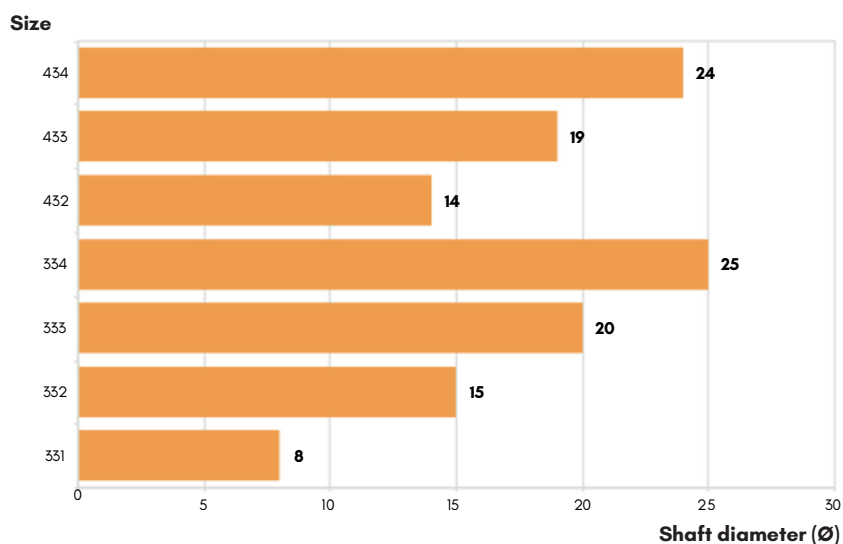
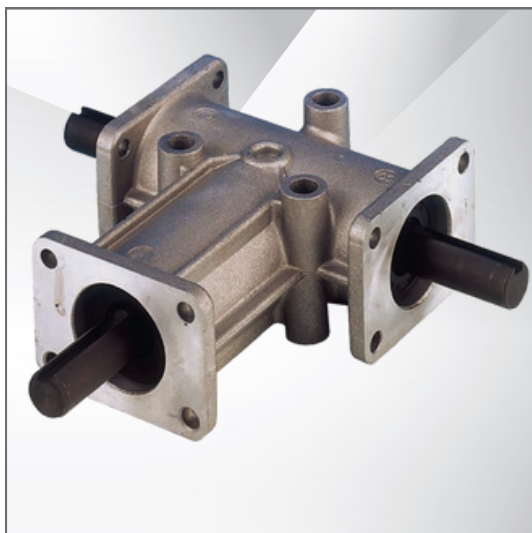


By including a worm gearbox from the R series with a sequence of gearboxes, we produce the CBNR gearbox series. This selection is perfect for tasks demanding increased output torque and reduced reduction ratios compared to what's attainable with R series gearboxes alone. Moreover, all R series accessories are accessible, including high-output load bearings, torque limiters, output shafts, and torque arms.



By assembling a worm gearbox of the U series to a series of gearboxes, we obtain this series of gearboxes named CBNU. This is the ideal choice for applications that require higher output torque and slower reduction ratios than those achievable with the equivalent gearboxes of the U-series. All of the accessories of the U series are available such as output shafts and torque arms.

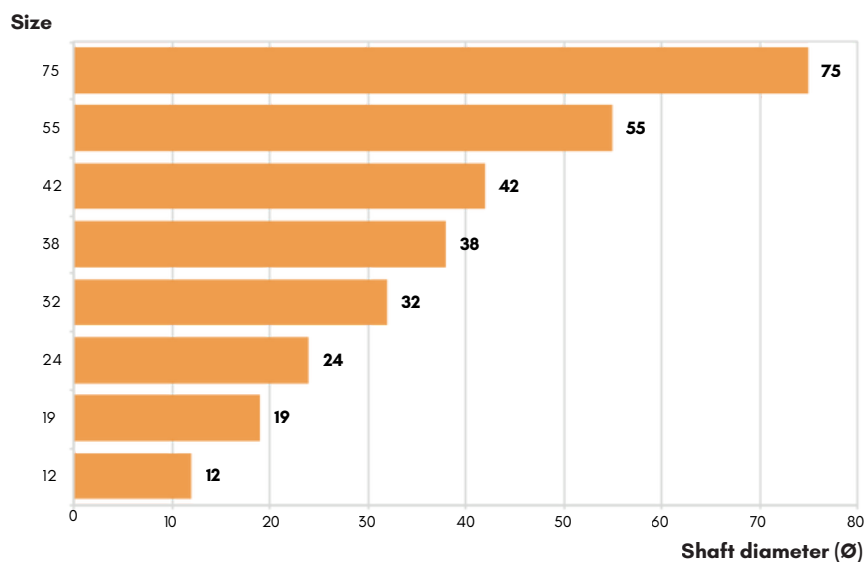
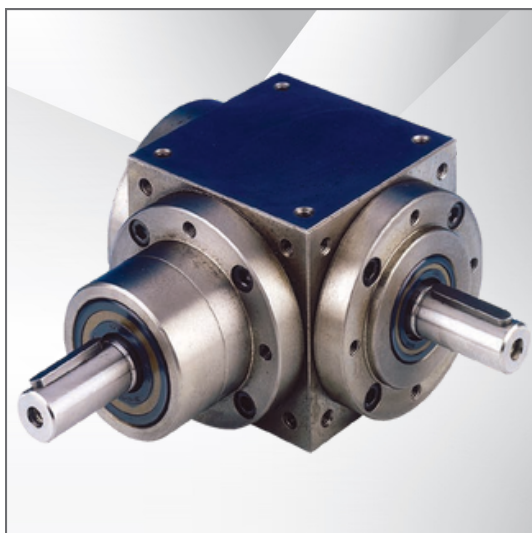




Our ZL series right angle gears offer lightweight construction and operate quietly. Constructed from a single piece of durable aluminum, they feature Gleason gears and overrated bearings. The backlash ranges from 15 to 30 minutes, and they come pre-filled with lubricant for all mounting positions. These right angle gears are customizable with three fixing flanges, three or four locking through holes on the body, two or three shafts, and ratio options of 1:2:3.



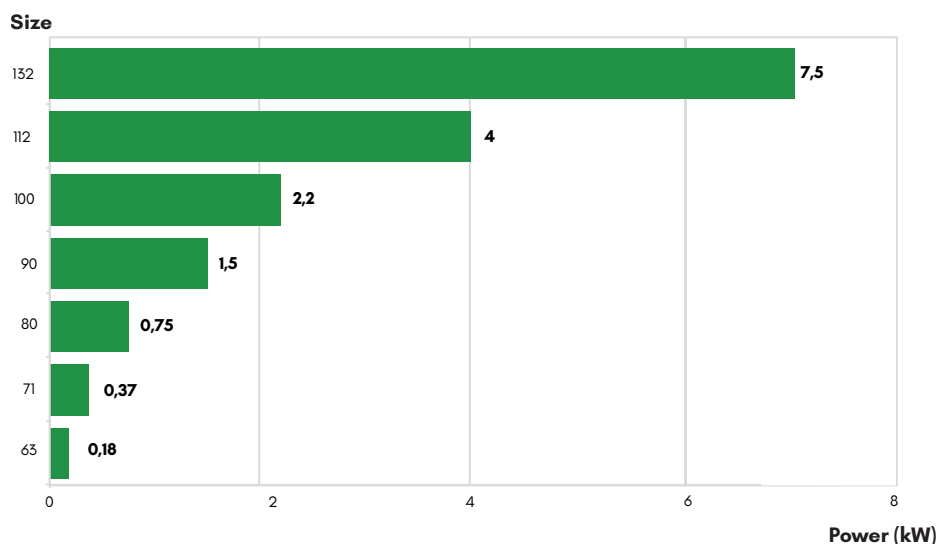
RIGHT ANGLES



Our right angle gears stand out due to their favorable power-to-size ratio and their ability to operate silently and smoothly even at high speeds. Constructed from a single cast iron body with all external faces machined, they feature Gleason gears and overrated bearings.



The modular design of our Z right angle gears allows for the mounting of up to six input/output shafts (except for a ratio of 1:1). These features position our products at the forefront of this industry sector.

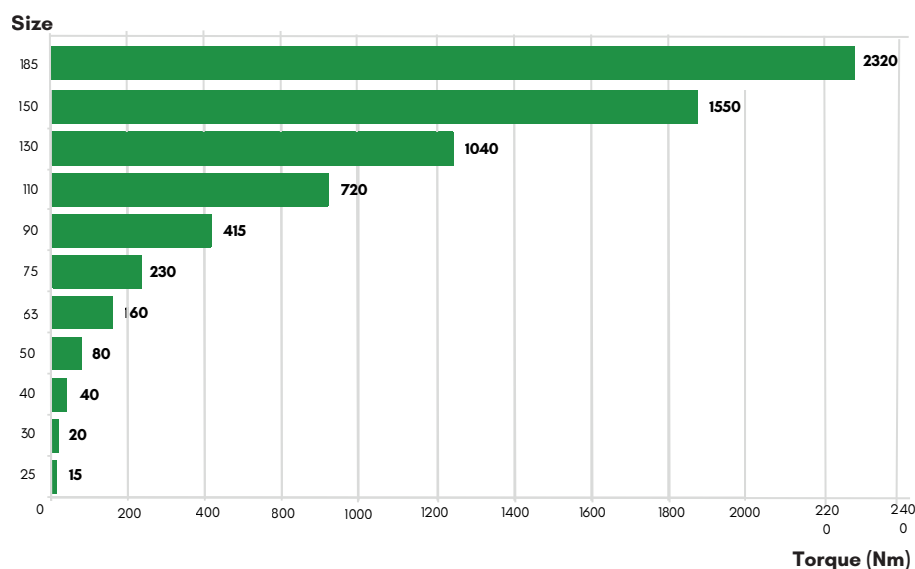


The primary construction and functional characteristics of this product, enhancing its versatility, include the integrated motor flange to the housing and the fully modular structure for the output flange and feet.



These attributes enable the reduction of dimensions and stock inventory, thereby enhancing flexibility and overall cost-effectiveness.

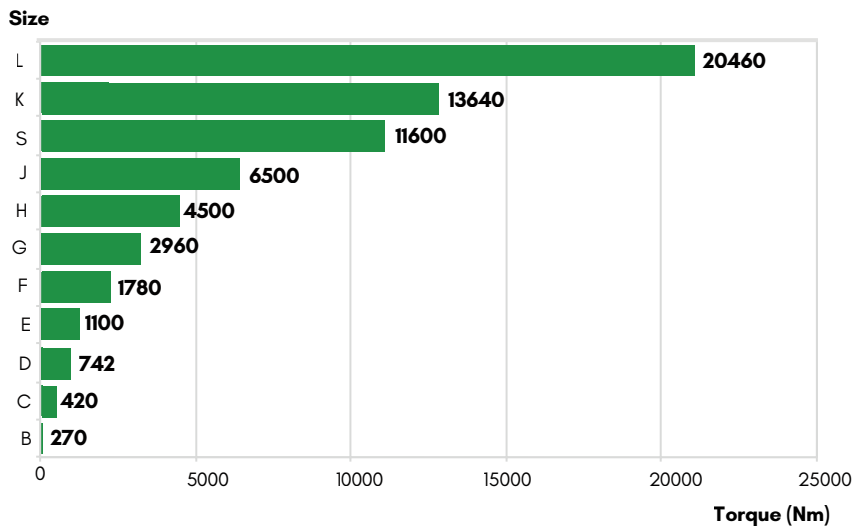
IMPORT UNIVERSAL WORM GEARBOXES



The sturdy and dependable structure is supported by the availability of modular accessories, including output shafts, torque arms, and protective covers.



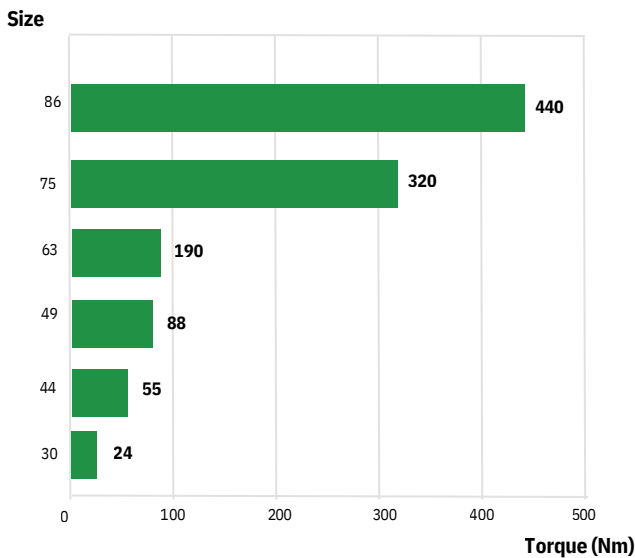
The cubic shape of the gearbox ensures universal installation and facilitates component management in stock, offering excellent modularity. Sizes range from 25 to 90 in aluminum, and from 110 to 185 in cast iron, all featuring a grey paint finish.



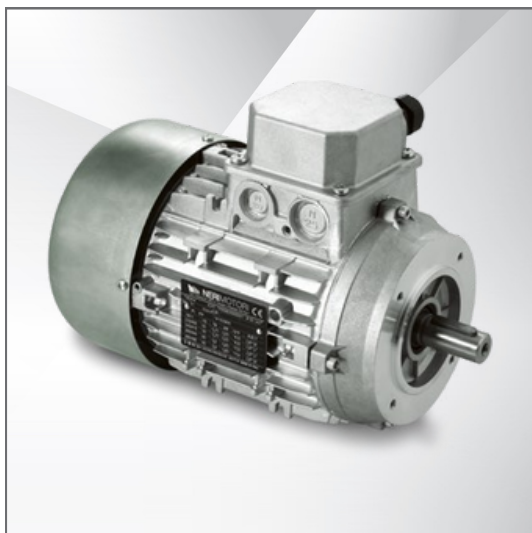
Compact in size, these gearboxes mount directly onto the driven shaft, eliminating the need for a foundation and couplings. The gears, made of suitable alloy steels, are helical, hardened, and ground. Suitable for both forward and reverse motion, the gearbox is anchored by a torque arm, which also offers an easy, quick method of V-belt adjustment via a turnbuckle.

Currently available in 11 different sizes, ranging from B to L, with normal ratios of 5:1, 13:1, and 20:1, a wide range of final speed ratios can be achieved using pulley combinations. Despite not undergoing redesign for higher power-to-weight ratios, the gearbox features keyed bores or taper clamps output hubs in stainless steel, labyrinth sealing, extraction collars, reducing bushes, safety covers, hydraulic motor mounts, and backstops.

WORM GEARBOXES

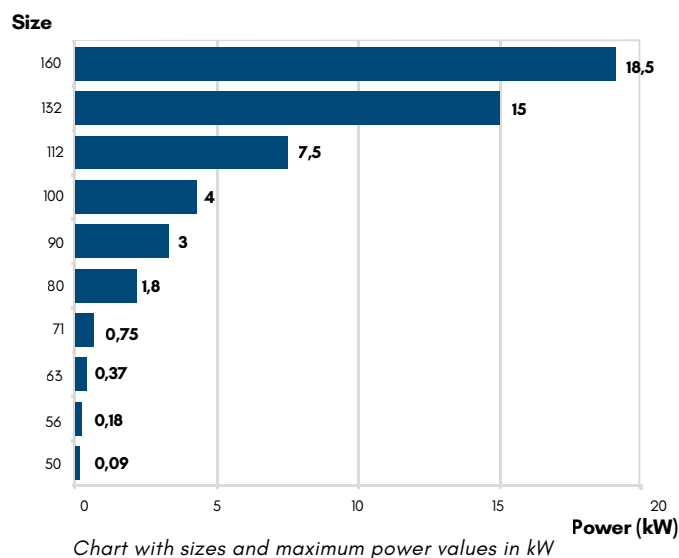


STM Riduttori South Africa offers a selection of worm gearboxes, available in cube and round shapes, crafted with high-quality aluminum housing and bronze wheels. These gearboxes are compatible with a diverse range of mounting options and facilitate improved modularity of stocked components. Sizes ranging from 30 to 86 are available.



Poles available	2-4-6-8 poles
Available sizes	from 50 to 160
Min-Max Power	min. 0,06 max. 18,50
Efficiency	IE1 - IE2 - IE3

*special executions on request



Three-phase induction motors are the effective and efficient solution when transmission of movement in alternating current is needed.

- Three-phase motors are available according to IEC international standards from size 50 to size 200
- In versions with flange B5, B14 and feet B3
- Power range is from Kw 0,03 to Kw 18,50



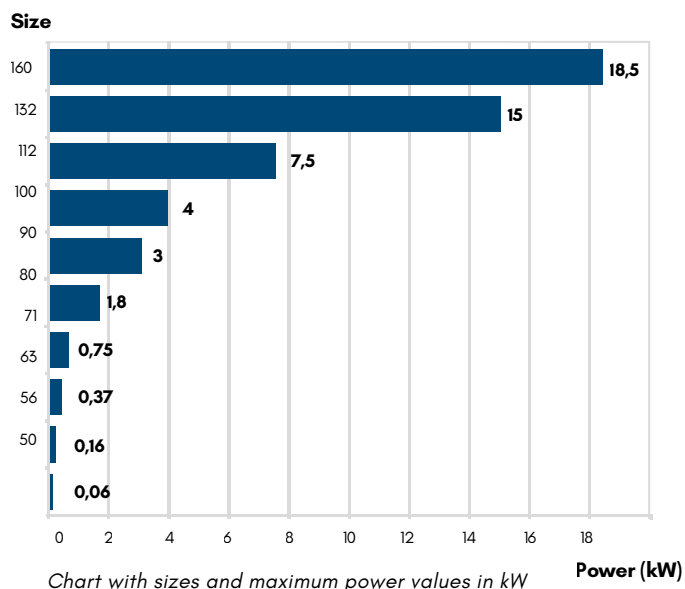
NERIMOTORI
Experience the power

THREE-PHASE BRAKE ELECTRIC MOTORS



Poles available	2-4-6-8 poles
Available sizes	from 50 to 160
Min-Max Power	min. 0,06 max. 18,50
Efficiency	IE1 - IE2 - IE3

*special executions on request



Three-phase induction brake motors are the effective and efficient solution to guarantee safety brake action or work.

Three-phase motors are available according to IEC international standards from size 50 to size 160.

- In versions with flange B5, B14 and feet B3. Single polarities 2/4/6/8
- The Brakes are available both in alternating current and continuous current
- Power range is from Kw 0,03 to Kw 18,50

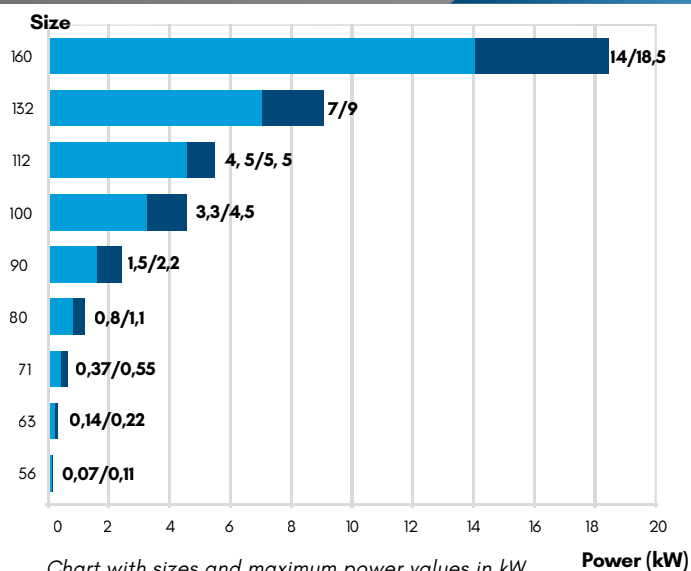


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Type	Standard
Poles available	2/4 - 4/8 - 4/6
Available sizes	from 50 to 160
Min-Max power	min. 0,09/0,04 max. 18,50/14,00

**special executions on request*



Two-speed three-phase induction brake motors are the effective and efficient solution when transmission of movement in alternating current is needed. Three-phase motors are available according to IEC international standards from size 56 to size 160. In versions with flange B5, B14 and feet B3.

Available polarities:

- 2/4 - 4/8 - Single winding
- 4/6 Double winding.

They can also be supplied with electromagnetic brake in continuous or alternating current.

The brake always has the standard separate power supply.



NERIMOTORI
Experience the power

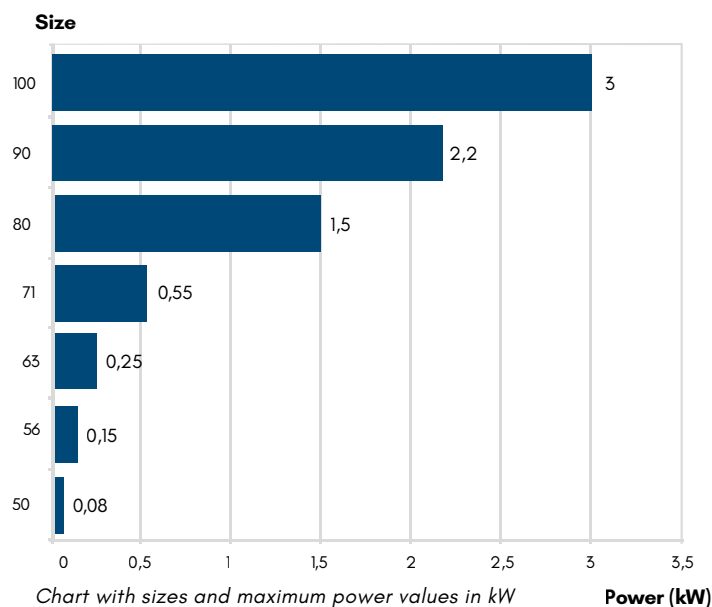
SINGLE PHASE MOTORS

M



Poles available	2-4-6 poles
Available sizes	from 50 to 100
Min-Max Power	min. 0,03 max. 3,00

**special executions on request*



Single-phase induction motors are suitable for "domestic" environments or where current is only single phase.

These are available according to IEC international standards from size 50 to size 100 and in versions with flange B5, B14 and feet B3

- Single polarities 2/4/6 and double polarities 2/4 poles
- Available power range is from Kw 0,06 to Kw 2,2



NERIMOTORI
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OPTIONS

- Standard or self-braking
- With capacitor & electronic circuit breaker
- With capacitor
- With capacitor & centrifugal circuit breaker



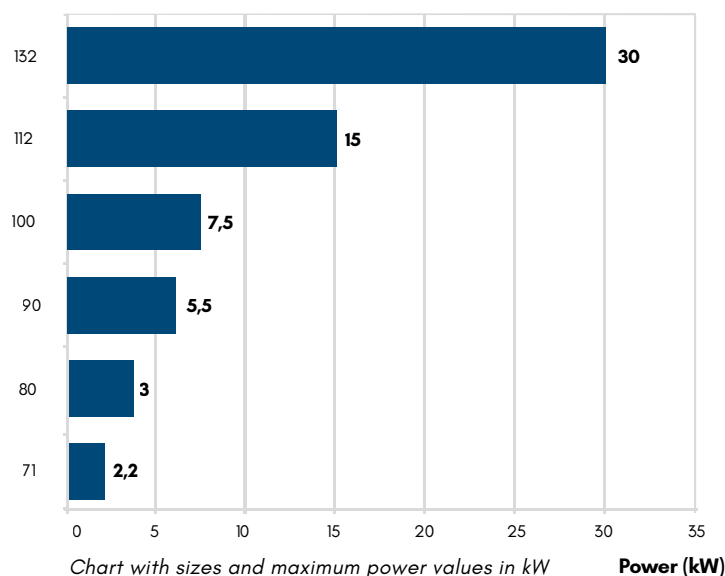
Available sizes	from 71 to 132
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Min-Max power	min. 2,2 max. 30
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Efficiency	IE4
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**special executions on request*

Size



This is a high-efficiency IE4 IEC synchronous motor, an innovative solution in terms of energy and cost savings related to the motor lifecycle.

Advantages:

- Cost reduction
- Reduced size and weight
- Highly controllable
- Higher specific power compared to a conventional induction motor
- Quieter when operating
- Less maintenance.



NERIMOTORI
Experience the power

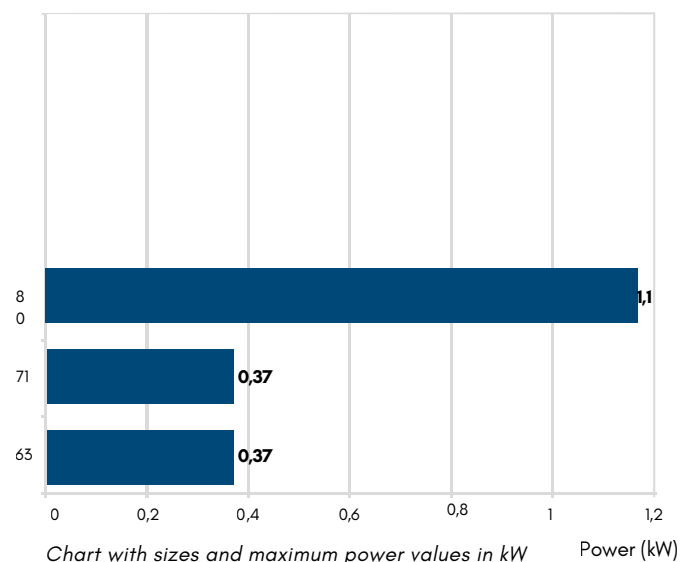


Available sizes	63 - 71 - 80
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Min-Max Power	min. 0,37 max. 1,1
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**special executions on request*

Size



Three-phase electric motors Smooth Body series have been designed to be water and humidity resistant. Designed to be used in extreme conditions in direct contact with the chemical components of detergents. Both the enclosure and the external components are made by die cast aluminum league EN44300 which is highly resistant against the corrosion. The high protection degree is provided by a bi-component epoxy resin that is poured into the terminal box to protect windings from any infiltrations.

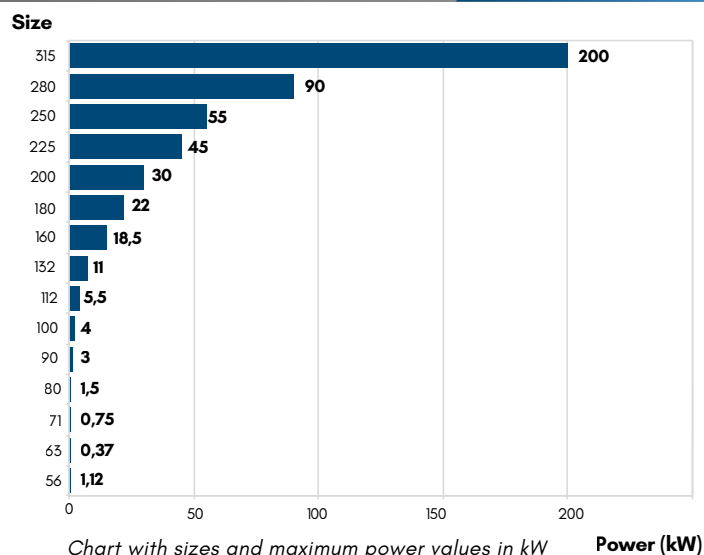


NERIMOTORI
Experience the power



Type	Standard Import
Poles available	2-4-6-8 poles
Available sizes	from 56 to 315
Min-Max power	min. 0,09 max. 200
Efficiency	IE1 - IE2 - IE3 - IE4

**special executions on request*



High quality and compactness are among the main characteristics you will enjoy when selecting our Import three-phase electric motors

- Vela and Glong.

The casings are in aluminum up to size 132 and in cast iron from size 160. The mounting versions are B3-B5-B14 and are also inverter duty (with auto ventilation for low speed).

All the motors are available in IE1, IE2 and IE3 efficiency class.



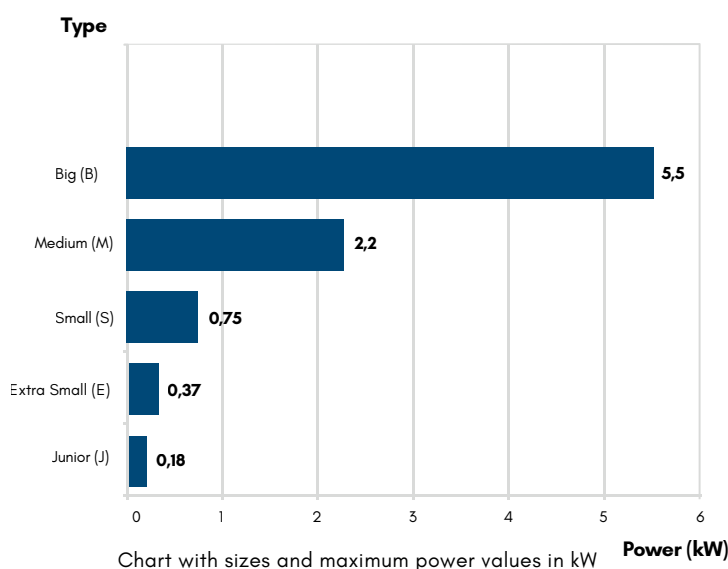
NERI DRIVE SERIES

NERIDRIVE



Type	J - E - S - M - B
Poles available	2-4-6-8 poles
Available sizes	from 56 to 132
Min-Max power	min. 0,18 max. 5.5

**special executions on request*



NERIDRIVE is a range of motors with an integrated Inverter that is electronically designed to withstand high temperatures, substantial workloads and strong vibration.

The Inverter built into the motor ensures reliability, performance, control of the application, energy saving and all the functional features of an equivalent stand-alone Inverter, besides the simplicity of installation.

The electronic design is exclusive to NERI MOTORI.

On request, it can be customised for special applications.

