ABOUT HYVA

Founded forty years ago, Hyva is today one of the world’s leading providers of innovative and highly efficient transport solutions for the commercial vehicle and environmental service industries. With over 20,000 customers and more than 40% of the global front-end tipping cylinders segment for heavy duty trucks, the company operates in more than 110 countries, has 37 wholly-owned subsidiaries, and a manufacturing base that includes twelve production facilities across China, India, Brazil and Europe. We are committed to the development, production, marketing and distribution of solutions for the movement and transportation of goods.

The growth and success of Hyva is built on two key aspects of its operation: the quality and innovative nature of the company’s solutions, and the excellence of its customer support. The first of these, product quality, is illustrated by the fact that Hyva today offers the strongest front-end hydraulic telescopic cylinder in the world, as well as a full range of double acting cylinders, fixed mounted and rolling truck cranes, container lifting systems (hookloaders and skiploaders) and waste collection units. They are solutions which are used worldwide across a range of sectors including transport, construction, mining, materials handling and environmental services providers.

Service quality, too, is a fundamental part of the Hyva business philosophy: With operations in more than 110 countries, the company operates one of the world’s most extensive customer support networks in the industry. It is a network which has earned Hyva an international reputation for excellence in customer care.
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OUR SOLUTIONS

- **TRUCK CRANES**
- **SKIPLOADERS**
- **HOOKLOADERS**
- **WASTE SOLUTIONS**
- **AERIAL PLATFORM**
- **CONTAINER SIDE LIFTER**
- **FRONT END TIPPING**
- **UNDER BODY TIPPING**
- **KENNIS CRANE**
- **ATLAS CRANE**
- **CHALLENGER AERIAL PLATFORM**
- **HYVA CAPITAL GOODS**
LOADER CRANES

Hyva loader cranes are the preferred choice across more than 130 countries worldwide given their remarkable ease of use, operational efficiency and cost effectiveness. A comprehensive range of models with loading capacities of up to 165 tonne metre and vast variety of extensions ensure that our loader cranes are well-suited to versatile applications in construction, oil & gas, mining, waste handling, logistics, gardening, power generation, maintenance and building industries.

FEATURES

- **EES** – EXTRA EXTENSION SPEED
- **SDS** – SMOOTH DESCENT SYSTEM
- **LAS** – LIFTROD ARTICULATING SYSTEM
- **SCS** – STABILITY CONTROL SYSTEM
- **LCS** – LIFT CONTROL SYSTEM
- **P-LCS** – PROPORTIONAL LIFT CONTROL SYSTEM
Equipped with cutting-edge features and capabilities, including an advanced ergonomic control station, Dynamic Load Diagram, Magic Touch and radio remote control, our New Crane Line (NCL) sets the latest benchmarks in design, performance, reliability and safety for truck-mounted cranes. The innovative range features best-in-class medium-sized cranes, with a wide slewing angle of up to 425°, as well as a an extensive choice of purpose-built accessories and attachments. Built for extended lifetime value and unrivalled durability, these cranes demonstrate advanced resistance to even the most challenging environmental conditions.
7” colour display
Quick, intuitive and effortless access to all functions and information.

KEY FEATURES
The new control station of our cranes is designed to incorporate the most ergonomic working position, user-friendly interface and smooth management of crane operations.

Vertical stabilisers levers
Ergonomic design for enhanced ease of use, responsiveness, safety and supervision of stabilising operation.

Crane controls
Low and horizontal positioning of levers maximises comfort and convenience.

NEW CONTROL STATION
RADIO REMOTE CONTROL
A range of ergonomic control devices give users the ability to remotely control our cranes for added safety, versatility, and efficiency.

The multifunctional radio remote control allows the operator to move the crane while maintaining the load in a controlled position.

CRANE SERIES

HA
Compact Telescopic – From 1 - 3 tonne metre

HV
V Line Articulated – From 3 - 22 tonne metre

HBR
Articulated – From 30 - 60 tonne metre

HBR
Endless Slewing

HT
Telescopic – From 5 - 24 tonne metre

HB
Articulated – From 3 - 70 tonne metre

HC
Articulated LAS – From 8 - 165 tonne metre

HA-MB

SPECIAL APPLICATION CRANES

FFB

'HKompact' Boom
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Our dedicated line of HZ cranes are peerless in their performance and value for recycling and timber applications. The cranes are distinguished by their incredible compacting strength and several unique features, such as extended outreaches and flexible installation, which maximises their productivity and endurance for long periods of demanding work. A wide range of accessories and customisations are also available to extend their functionality for specialist applications.

**HZR**
- **L0**: Non Foldable
  - From 8 - 25 tm
- **L1**: Non Foldable
  - From 8 - 15 tm
- **Z0**: Foldable
  - Extendable
  - From 8 - 21 tm
- **Z1**: Foldable
  - Extendable
  - From 10 - 18 tm

**HZT**
- **L0**: Non Foldable
  - From 8 - 25 tm
- **Z0**: Foldable
  - From 4 - 27 tm

---

**ACCESSORIES**
- **HOOK CLEARANCE**
- **DOUBLE RACK AND PINION**
- **CHAIN SYSTEM**
- **TOP SEAT**
- **LINKAGE**
- **HEAVY DUTY**

---

**RECYCLING CRANES SERIES**
- **HZR L0**: Non Foldable
  - From 8 - 25 tm
- **HZR L1**: Non Foldable
  - From 8 - 15 tm
- **HZR Z0**: Foldable
  - Extendable
  - From 8 - 21 tm
- **HZR Z1**: Foldable
  - Extendable
  - From 10 - 18 tm

**TIMBER CRANES SERIES**
- **HZT L0**: Non Foldable
  - From 8 - 25 tm
- **HZT Z0**: Foldable
  - From 4 - 27 tm
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ACCESSORIES

WARNING LIGHTS       OIL COOLER       WINCH

BRICKS CLAMP       TOP SEAT       STAND UP PLATFORM

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THE KENNIS CONCEPT
MAXIMIZE THE HAULAGE PAYLOAD
AND INCREASE YOUR PRODUCTIVITY.

FAST OPERATION
LONGER USEFUL LIFE
EFFICIENT, SIMPLER & SAFER FOR USERS.
IMPROVED DRIVING CONDITION
MAXIMUM PAYLOAD

FEATURES

ENHANCED MOBILITY
FOR OPTIMISED PAYLOADS

SAFE AND SECURE TOP SEAT
FOR EFFICIENT OPERATION

COMPACT STRUCTURE
FOR HASSLE-FREE STORAGE

ATTACHMENTS

BRICK CLAMP
JUNIOR POWER HEIGHT ADJUSTABLE BRICK CLAMP
TWIN BRICK CLAMP
POWER BRICK CLAMP
PALLET FORK
PREMIUM PLUS BRICK CLAMP
CONCRETE FLOOR CLAMP

The new range of ATLAS dedicated brick handling cranes are designed and manufactured with less moving components, a unique long inner boom, shorter outer boom and power link system ensuring high efficiency rates & less maintenance costs.
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TITAN SKIPLOADER

WE REENGINEERED OUR SKIPLOADERS TO MAXIMIZE YOUR PRODUCTIVITY AND PROFITABILITY

FIT-FOR-PURPOSE SOLUTIONS THAT GET THE JOB DONE

XL: THE POWERFUL, FIXED LIFT
TAXL: STRONGER, LONGER REACH
TAZ: MORE FREEDOM, BETTER HANDLING

MODEL RANGE

HYVA EQUIPMENT TRUCK CHASSIS

INDUSTRIES SERVED BY HYVA TITAN SKIPLOADER

RECYCLING METAL
WASTE
GARDENING MUNICIPALITY CONSTRUCTION

NG2008 8 Tonnes Standard, Telescopic 12-16 Tonnes 4X2/4X4

HYVA TITAN SKIPLOADER FEATURES

SMS
STEPPER MOTOR SPOOL
TRR
TITAN RADIO REMOTE
CONTROL (TRR)
QIK
QUICK-BOLT SYSTEM
ABS
ANTI-BUCKLING SYSTEM
TWS
TITAN DYNAMIC WEIGHING SYSTEM
EES
EXTRA EXTENSION SPEED

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EXTRA EXTENSION SPEED
STEPPER MOTOR SPOOL
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WASTE
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INDUSTRIES SERVED BY HYVA TITAN SKIPLOADER

MODEL RANGE

<table>
<thead>
<tr>
<th>Model</th>
<th>Lifting Capacity (Retracted)</th>
<th>Lifting Capacity (Extended)</th>
<th>Type</th>
<th>GVW</th>
<th>Axles</th>
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<tbody>
<tr>
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<td>Standard, Telescopic</td>
<td>12-16 Tonnes</td>
<td>4X2/4X4</td>
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<tr>
<td>SL2012</td>
<td>12 Tonnes</td>
<td>8 Tonnes</td>
<td>Standard, Telescopic</td>
<td>16-22 Tonnes</td>
<td>4X2/4X4</td>
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<tr>
<td>SL2014</td>
<td>14 Tonnes</td>
<td>9.3 Tonnes</td>
<td>Standard, Telescopic</td>
<td>18-22 Tonnes</td>
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<tr>
<td>SL2018</td>
<td>18 Tonnes</td>
<td>12 Tonnes</td>
<td>Standard, Telescopic</td>
<td>18-32 Tonnes</td>
<td>6X2/6X4</td>
</tr>
</tbody>
</table>

FROM THE LONGEST AND STRONGEST ARMS TO ONES THAT MANOEUVRE SUPERBLY.
Fit-for-purpose solutions that get the job done

XL: THE POWERFUL, FIXED LIFT
TAXL: STRONGER, LONGER REACH
TAZ: MORE FREEDOM, BETTER HANDLING

FEATURES

LADDERS
TIPPING SYSTEM
AUTO SHEETING SYSTEM
TAIL LIGHT PROTECTORS
CAB GUARD
TIPPING CHAIN
Hyva Titan Hookloaders are designed for daily use in rugged environments and are well known for their reliability and low maintenance. Aimed at the medium to heavy truck classes the Titan hookloader can handle a wide variety of loads and containers. Further enhancing Hyva’s track record for innovation and versatility, TITAN is the most advanced hookloader available today. Due to the extended range of advanced features and benefits, hookloader operation is now faster, safer, more efficient, and more productive than ever.
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**HIGHLIGHTS**

- Subframe support brackets
- Main cylinders
- Reduced height
- Zinc-plated container supports
- Exchangeable hooks
- High anti-corrosion
- Combi-lock
- IQAN

**FEATURES**

- BOLT IT ALL ACCESSORIES
- FACTORY END COAT
- COMBI LOCK IT ALL
- CONTROL IT YOUR WAY
- EASY MOUNTING
- ROBUST
Engineered to go to every small corner of the world, the TITAN CITY is the best choice for operators and drivers alike. Developed specifically for use with light commercial vehicles. Bringing TITAN boltable mounting to lighter hookloaders. Improved, higher performance steel structure.

The well-known TITAN mounting has already won over many hearts and minds in the medium to heavy truck classes and is here to stay. The TITAN boltable mounting makes building the hookloader to a truck a breeze. This is further supported with chassis specific kits allowing for the best joining of truck and hookloader.
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Improved, higher performance steel structure. Engineered to go to every small corner of the world, the TITAN CITY is the best choice for operators and drivers alike. Developed specifically for use with light commercial vehicles. Bringing TITAN boltable mounting to lighter hookloaders.

## FEATURES

- **EASY MOUNTING**
- **CONTROL IT YOUR WAY**
- **COMBI LOCK IT ALL**
- **FACTORY END COAT**
- **BOLT IT ALL ACCESSORIES**
- **VERSATILE**

### RANGE PLAN

<table>
<thead>
<tr>
<th>CAPACITY (TON)</th>
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<th>2.8</th>
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<th>3.3</th>
<th>3.7</th>
<th>4.1</th>
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<th>4.8</th>
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<td>S</td>
</tr>
</tbody>
</table>

* S = Sliding hookloader
* K = Knuckle arm hookloader
Hyva’s waste handling solutions include compactors and collection bodies for the better logistics of waste handling in urban, rural, commercial districts, hospitals and other areas. Hyva has a full range of collection bodies to fit with different chassis in 3.5m³ up to 24m³ as together called refuse collection vehicle or RCV. Our latest R-Line RCBs are extremely durable with a long operating life and strong environmental credentials. These collection vehicles match perfectly with Static Compactors – the transfer concept – to compact waste into large containers to improve the efficiency of the logistics solution and reduce carbon emissions.

**MOBILE COMPACTORS**

- Quality, high tensile steels which reduce weight and increase the payload.
- Round shaped container, is stronger.
- Better filling, and more payload.
- Spherical shaped rear door which has a lower weight.
- Crusher with unique shape which achieves a higher density per cubic metre.
- Improved ergonomics.

**MICRO STATIC COMPACTORS**

- Top blade compaction mechanism (unique in the world) which pushes material down vertically & then horizontally & avoids waste can fall outside.
- High tensile, abrasion resistant steels for longer lifetime.
- Fewer components easy for maintenance.
- Lightweight container, more payload on a 4x2 hookloader vehicle.
- Boltage fixings for easy locating the machine.
- High performance door seals, 100% sealed container.
- Electronic control (iP65) with ergonomic, large screen control panel.
WASTE MANAGEMENT SOLUTIONS

MEDIUM STATIC COMPACTORS
- Increased payload is made possible by the lightweight structure and round shape of the container, together with the compaction force.
- The system is fully sealed to avoid any spillage or pollution of the environment.
- High tensile materials give higher resistance to abrasion.
- Increased stability of the compaction created by new u-shaped crusher block and compaction housing together with new cylinder arrangement.
- The system can be configured for different types of loading and different container sizes and it can be matched to different collection methods.

REFUSE COLLECTION MICRO
- The rcm range is a refined piece of engineering where thickness and materials are optimised for a weight saving up to 10%. This creates potential for more payload.
- The rcm body is a closed container and water tightness is guaranteed.
- Bins are lifted vertically and then rotated only when they are above the loading mouth. This prevents all solid and liquid losses and makes the rcm suitable for collection of glass and biodegradable waste.
- The trapezoidal structure of the container with the top or integrated compaction system serves to shorten the overhang, and give a better axle load distribution for better driving comfort.
- The hydraulic and electrical system with various protection plates covering cylinders and hoses complies with CE standards.

REFUSE COLLECTION BODIES
- More payload achieved through high compaction force and lightweight body design.
- Longer lifetime from high tensile and wearable steel which deliver structural strength and high durability against corrosion and abrasion.
- High collection efficiency from small diameter cylinders which deliver faster operation and double pump for simultaneous operation of packer and bin lifter.
- Hydraulic system with house burst valves and various protection plates covering cylinders and hoses off additional protection to operators.
- State of the art design and clean appearance with glass fibre side panels concealing cylinders and hoses.
AERIAL PLATFORM

Specifications

Telescopic boom (main boom + 1-3 telescopic extensions)

- Single telescopic boom, telescopic extension and pivoted basket.
- Where strong rigidity is required and simple functionality is adequate.
- Compact design and working positions, ideal for town environments.

AZ-Range

Specifications

Articulated double or simple parallelogram boom + telescopic

- Single or double articulated boom, telescopic extension and pivoted basket.
- Where more flexibility of movement and versatility in applications is required.
- Easy-to-use, versatile, ideal for maximum performance in many different applications.

AZ Pick Up-Range

Specifications

Articulated double or simple parallelogram boom + telescopic

- Where there are confined spaces with limited access conditions and compact solutions are required.

AT-Range

Compact Design  Clean top boom  Lifting capacity  Up and over

Stability  Build strength  Controls
AT-Range

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Specifications
Articulated double or simple parallelogram boom + telescopic
We offer a wide variety of hydraulic systems which can cope with the most demanding work conditions and applications. Every Hyva customer can count on being fully served – from specifying the wetkit for a given application to installation on the vehicle. Our wetkits are individually specified by experienced Hyva staff with years of market experience in matching Hyva cylinders to assure best possible performance.

Optimal efficiency, low weight, short tipping cycle and safety are key principles followed while configuring wetkits for our customers. Our systems are fully optimized in terms of oil capacity, flow and working pressure to ensure the highest level of efficiency and safety. A wide range of gear and piston pump sizes allows us to select a wetkit with highest performance for every type of truck, gearbox and PTO.

Hyva wetkits become even more relevant as the expectation for efficiency and productivity is very high. Hyva systems meet these demands and ensure shortest tipping cycle times at low weight, together with safe and breakdown free operation. With full integration of the hydraulic system and tipping cylinder, we are able to deliver maximum performance.

These 2-line wetkits are intended for applications such as:
- Moving floor systems
- Low bed trailers with hydraulic ramps and adjustments
- Unloading gas and liquid tankers
- Cranes, hookloaders, skiploaders and similar

This solution is suggested to customers who use their tractors with tipping and moving floor, liquid tanker semitrailers or other configurations where a 2-line hydraulic system is needed. The working pressure on the Hyva dual pressure valve can be changed easily and safely. These wetkits are universal and allow interchangeability of the tractor with several semitrailers in the customer's fleet.

A Sidelifter is a purpose built semi-trailer, on which, a specially designed set of cranes are mounted, to lift and transport ISO shipping containers of various types, sizes and weights, up to 48’ and 40 tonnes. Sidelifter cranes can also be mounted on a truck deck for handling 20’ containers. Most self-loading trailers can transfer containers to other trailers and trucks. Many are also engineered to ‘double stack’ i.e. stack containers two high on the ground.

- 45,000kg lifting capacity
- 3.90 metre outreach
- 11.8 tonne tare weight*
- Handles single 40’ containers
- Handles single 20’ containers
- Safely handles two close coupled 20’ containers
- Able to double stand 20’ and 40’ hi-cube (9’6”) containers
- Can transfer containers from trailer to trailer, trailer to rail wagon, rail wagon to trailer

A container sideloader is a purpose built semi-trailer, on which, a specially designed set of cranes are mounted, to lift and transport ISO shipping containers of various types, sizes and weights, up to 48’ and 40 tonnes. Sidelifter cranes can also be mounted on a truck deck for handling 20’ containers. Most self-loading trailers can transfer containers to other trailers and trucks. Many are also engineered to ‘double stack’ i.e. stack containers two high on the ground.

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Robust construction
Easy maintenance
Operator friendly
TIPPING SOLUTIONS

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MOVING FLOOR, GAS AND LIQUID SEMITRAILERS
These 2-line wetkits are intended for applications such as:
- Moving floor systems
- Low bed trailers with hydraulic ramps and adjustments
- Cranes, hookloaders, skiploaders and similar
- Unloading gas and liquid tankers

MOVING FLOOR AND TIPPING SEMITRAILERS
This solution is suggested to customers who use their tractors with tipping and moving floor, liquid tanker semitrailers or other configurations where a 2-line hydraulic system is needed. The working pressure on the Hyva dual pressure valve can be changed easily and safely. These wetkits are universal and allow interchangeability of the tractor with several semitrailers in the customer’s fleet.
HYVA ALPHA FRONT END TIPPING CYLINDERS

Hyva’s front end telescopic cylinders are designed for rear-end tippers and tipper trailers and have earned their reputation for reliability and value for money. Our innovative balanced design with lower oil volume allows faster tipping and results in the lightest cylinder in the industry, which simplifies operation, reduce maintenance and boost fuel efficiency.

- New dimensions and optimal balanced ratio between weight, performance and cost of the actuators compared to competing models.
- Robust high quality, wear-resistant guide rings and hydraulic sealing properties.
- High performance solutions specific to market segments.
- Widest range of Front end cylinder from 5 to 100 tons with bespoke solutions.
- Highest tipping speed with our heavy duty (HD) Series with widest bearing overlaps and dual rod seals, Easy to service.
- Working pressures up to 250 Bar.
- Maintenance-free high performance spherical plain bearings.
- Extensive field testing precedes all new product releases to ensure we meet our customers’ expectations.
- Best performance with the installation of a complete end to end solution.

FASTER
Higher operating pressures, up to 250 bar, enable faster tipping and lowering and can deliver shorter cycle times.

MORE EFFICIENT
Reduced weight, increased operating speed, more reliable components, longer service intervals and lower fuel and oil consumption all contribute to improved efficiency and environmental performance.

LIGHTER
Reduced weight of components through a combination of new materials and improved design has produced a lighter hydraulic system which translates to higher payloads and reduced operating costs.

SAFER
Enhanced safety with redesigned cylinder overlaps and guide systems and new cylinder mounted HT tipping valves.
FRONT END TIPPING CYLINDERS

Hyva’s front end telescopic cylinders are designed for rear-end tippers and tipper trailers and have earned their reputation for reliability and value for money. Our innovative balanced design with lower oil volume allows faster tipping and results in the lightest cylinder in the industry, which simplifies operation, reduces maintenance and boosts fuel efficiency.

High performance solutions specific to market segments.
Best performance with the installation of a complete end to end solution.
New dimensions and optimal balanced ratio between weight, performance and cost of the actuators compared to competing models.
Widest range of Front end cylinder from 5 to 100 tons with bespoke solutions.
Highest tipping speed with our heavy duty (HD) Series with widest bearing overlaps and dual rod seals, Easy to service.
Robust high quality, wear-resistant guide rings and hydraulic sealing properties.
Extensive field testing precedes all new product releases to ensure we meet our customers’ expectations.
Working pressures up to 250 Bar.
Maintenance-free high performance spherical plain bearings.

ADVANTAGES OF OUR CYLINDERS

- New top eye design
- Improved dust cap design
  - Better protection
  - Longer lifetime
- Improved cylinder overlap and guide system
  - Longer cylinder stroke
- Upgraded materials
  - Supports the pressure increase to 250 bar
  - Overall kit weight reduction of up to 10%
  - 5 new cylinder diameters
- Improved slider design
  - Longer lifetime
  - Improved stability
- Greased bearings
  - Improved tipping speeds with heavier loads
- Double rod seal
  - Improved reliability in extreme conditions
- Increased cylinder overlap
  - Better side-load resistance for heavy duty off road applications
- Improved stop rings
  - Faster retraction speeds with heavier loads

STANDARD VS HEAVY DUTY

- Lower dead weight
  - Higher payload
- Faster tipping and lowering
  - Shorter cycle time
- Safer and more reliable
  - Reduced downtime
- Most efficient
  - Productive & profitable

- Cost effective
  - Can reduce operating costs
- Longer service intervals
  - Increased operating time
- Lower oil & fuel consumption
  - Environmental friendly
Hyva offers a wide range of underbody tipping cylinders, starting from lighter ULB series cylinders for vehicles up to 13T to bigger capacity cylinders from UMB series for heavier vehicles. Both series of cylinders can be mounted with cylinder cardan cradles for use in 3-way tippers. These cylinders can work with PTO and pump wetkits and with electrical power pack systems if PTO cannot be used. Here we present our popular cylinders. For more options please contact Hyva to ask for a customized solution for your specific application.

**HEAVY DRUM - KRA/KRM**

The renewed KR range of underbody cylinders includes a quality upgrade to maximize the cylinder lifetime. The KR range for 2-way and 3-way tippers is designed to operate in medium and heavy duty conditions. With the high working pressure of 275 bar, the cylinders have a lifting force up to 38 tons. Each cylinder is fitted with a three-way tipping system cradle, special hinges and a tipping angle limiter. Power Pack is an electrical device consisting of an engine electric (12V or 24V), hydraulic pump, oil tank and control valve. It can be equipped with control in the cabin, or driver on the cable. The Power Pack can also be used to drive the actuators used in the incursions of low-loaders and trailers.
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Hyva is a leading provider of innovative and highly efficient transport solutions for commercial vehicles used in transport, construction, mining, materials handling and environmental service industries.

Founded in 1979 in the Netherlands, the company has a global presence with 37 fully owned subsidiaries, extraordinary service coverage and 12 manufacturing facilities in Brazil, China, Europe and India.

For more information on Hyva, please visit www.hyva.com

or follow us on:

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