



**UNDERBODY  
TIPPING SOLUTIONS**

## HYVA'S UNDERBODY SOLUTIONS

Telescopic hydraulic cylinders – designed to match your application



**UL Range**  
for light duty trailers  
and vans



**UM Range**  
for medium duty trucks  
and (agri) trailers



**UH range**  
for heavy duty trucks  
and (agri) trailers

### Cradles and brackets – providing optimal tipping performance by avoiding side load on the cylinder

The cylinder is preferably fitted with a cradle and knock-off to protect the seals against mechanical wear and ensure maximum life.

- Designed for UL / UM / UH range
- Optional integrated knock off solution
- Weldable and boltable brackets

### Wet kits – matched to the needs of each tipping solution

- Wet kits comprise a gear pump, oil tank, hoses, PTO, knock-off parts, valve parts and tip control kit
- Specified for the various markets, from trailers to vans to trucks
- Hyva Wetkits are supplied in one box for easy handling and storage

### Body components

- 3-way tipping hinges
- Rear hinges
- Hose guides
- Safety cables
- Anti rattling device
- Mudguard parts

Hyva cylinders are renowned for their strength, durability and lifting force. The high working pressure in combination with multiple stages, result in a small built-in length. Fitting a Hyva underbody cylinder ensures a high lifting force and allows for a flexible way of unloading. In combination with Hyva 3-way tipping balls the body can be tipped sideways and to the rear.



**UL range – “Light” Duty telescopic cylinders**

FEATURES	HYVA CYLINDER
Maximum working pressure of 190 Bar	High tipping capacity
Hard chromed stages	Abrasion resistant even in harsh environments
Superior stop rings	Faster tipping
Lifting force up to 13 Tons	Fit for application
Available in ball and eye version	For side or rear tipping
Interchangeable with most underbody cylinders	Easy maintenance
Stroke up to 2000 mm	Meets all desired tipping angles
Built-in length from 410 to 585 mm	Can be mounted in nearly any tipper



**UL**

1st Stage Diameters Metric	77 mm	93 mm	110 mm
Stages	2/3	2/3/4	2/3/4/5

**UH range – “Heavy” Duty telescopic cylinders**

FEATURES	HYVA CYLINDER
Maximum working pressure of 280 Bar	High tipping capacity
Hard chromed stages	Abrasion resistant even in harsh environments
Various cradles, brackets and inlet adapters available	Convenience, ‘one stop shop’
Lifting force up to 41 Tons	Fit for application
Interchangeable with most underbody cylinders	Easy maintenance
Stroke up to 7000 mm	Meets all desired tipping angles
Built-in length from 407 to 1135 mm	Can be mounted in nearly any tipper



**UH**

1st Stage Diameters Metric	110 mm	129 mm	149 mm	169 mm
Stages	2/3	3/4	3/4/5/6	3/4/5/6/7
1st Stage Diameters Metric	191 mm	214 mm	238 mm	
Stages	4/5/6/7/8	7/8/9/10	9/10/11	

**UM range – “Medium” Duty telescopic cylinders**

FEATURES	HYVA CYLINDER
Maximum working pressure of 220 Bar	High tipping capacity
Hard chromed stages	Abrasion resistant even in harsh environments
Superior stop rings	Faster tipping
Lifting force up to 38 Tons	Fit for application
Available in ball and eye version	For side or rear tipping
Interchangeable with most underbody cylinders	Easy maintenance
Stroke up to 4000 mm	Meets all desired tipping angles
Built-in length from 410 to 890 mm	Can be mounted in nearly any tipper



**UM**

1st Stage Diameters Metric	129 mm	149 mm	169 mm	191 mm
Stages	3/4/5/6	3/4/5/6	4/5/6/7	4/5/6/7/8



## SEGMENTS FOR UNDERBODY TIPPING USE



### TRUST OUR SERVICE. OVER 20,000 CUSTOMERS DO SO **EVERY DAY.**

Count on us to be there for you when you need us. Our international sales and after-sales teams from our own subsidiaries are exceptionally experienced, and a vast network of service partners and dealers provide world-class customer support through our Hyva approved service workshops.

Our unwavering confidence in our products allows us to offer the best possible guarantees on every purchase. And our maintenance contracts are customised, with highly cost-efficient repair and maintenance contracts. After all, we're in this for the long haul.



#### Key Facts :

- The best warranty in our industry
- Widest Global Hyva Service coverage
- Parts Availability
- Quick and Reliable Support

**110 countries**  
**+3.500 employees**  
**20.000 customers**  
**+30 subsidiaries**  
**14 production facilities**



**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 more than 30 wholly owned subsidiaries, extraordinary service coverage and 14 manufacturing facilities in Brazil, China, Europe and India.**

For more information on Hyva, please visit [www.hyva.com](http://www.hyva.com)

or follow us on:



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