Haldex is an innovator in vehicle technology and supplies proprietary products for trucks, cars and industrial vehicles on a global basis. Haldex is listed on the Stockholm Stock Exchange and has annual sales exceeding SEK 6 billion with 4,000 employees worldwide.

**High quality means built-in safety**

**Haldex quality is:**

- **Comprehensive**: Continual investment in R&D, training and manufacturing plants ensures quality in all stages of production.
- **Long-established**: 1950 – we became one of the first ISO 9001 certified Swedish companies.
- **Exhaustively tested**: After 30 years of brake adjuster testing at the Haldex brake simulation lab, we are well-qualified to judge quality. In the test chamber, brake adjusters face simulated braking forces and driving conditions for up to six months – equivalent to many years on the road.
- **Guaranteed**: Life-saving reliability means longer product guarantees than our rivals’.
- **Profitable**: Our parts offer higher safety and lower maintenance costs.

**Austria**  
Haldex Brake Products GmbH  
Vienna  
Tel +43-1 865 16 40  
Fax +43-1 865 16 40 27  
e-mail: office@baeder-haldex.at

**Belgium**  
Haldex N.V.  
Balegem (Oosterzele)  
Tel +32 9 363 90 00  
Fax +32 9 363 90 09  
e-mail: info.hbe@haldex.com

**Brazil**  
Haldex do Brasil  
São Paulo  
Tel +55-11 5034 4999  
Fax +55-11 5034 9515  
e-mail: info@hbr.haldex.com

**China**  
Haldex International Trading Co. Ltd.  
Shanghai  
Tel +86-21 6289 44 69  
Fax +86-21 6279 05 54  
e-mail: info@hcn.haldex.com

**France**  
Haldex Europe S.A.S.  
Weyersheim (Strasbourg)  
Tel +33-3 88 68 22 00  
Fax +33-3 88 68 22 09  
e-mail: info.heu@haldex.com

**Germany**  
Haldex Brake Products GmbH  
Heidelberg  
Tel +49-622170 30  
Fax +49-622 170 3400  
e-mail: info@hbpde.haldex.com

**India**  
Haldex India Limited  
Nasik  
Tel +91-253 238 0094  
Fax +91-253 238 0729  
e-mail: haldex@haldexindialtd.com

**Italy**  
Haldex Italia Srl  
Muggio (Mi)  
Tel +39-039 278 2350  
Fax +39-039 796 525  
e-mail: info@hit.haldex.com

**Poland**  
Haldex Sp.z.o.o.  
Praszka  
Tel +48-34 350 11 00  
Fax +48-34 350 11 11  
e-mail: info@haldex.net.pl

**South Korea**  
Haldex Korea Ltd.  
Seoul  
Tel +82-2 2636 7545-7  
Fax +82-2 2636 75 48  
e-mail: info@hkr.haldex.com

**Spain**  
Haldex España S. A.  
Parets del Valles (Barcelona)  
Tel +34-93 573 10 30  
Fax +34-93 573 07 28  
e-mail: haldexespana@haldex.es

**Sweden**  
Haldex Brake Products AB  
Landskrona  
Tel +46-418 47 60 00  
Fax +46-418 47 60 01  
e-mail: info@hpbse.haldex.com

**United Kingdom**  
Haldex Ltd.  
Newton Aycliffe  
Tel +44-1325 310 110  
Fax +44-1325 311 834  
e-mail: aycliffe.info@haldex.com

**USA**  
Haldex Brake Products Corp.  
Kansas City MO  
Tel +1-816 891 2470  
Fax +1-816 891 9447  
e-mail: hbsna@haldex.com

**Cheap copies cost lives**
**Inferior copies are potential killers**

**A dangerous choice**
A vehicle is only as safe as its brake components. Choose poor quality brake parts which fail to do their job and the consequences can be devastating – for the vehicle driver, other road users, pedestrians. We want to alert you to the dangers of buying inferior copies of Haldex parts. Cheap copies are accident waiting to happen. The success of Haldex, the world’s leading supplier of automatic brake adjusters for heavy vehicles, is based on high product quality which maintains safety for road users.

Our patent protection has expired. Opportu

Why take the risk?
Would you choose quality Haldex original parts that maintain safety or low-performance, high-risk copies? Why put lives at risk? Why jeopardise your business? Always fit parts that maximise safety or low-performance, inferior copies.

**False economy**
Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk. Why take the risk?

**Beware of imitations**
Our claims are backed by hard evidence. Copies are made in low-grade materials with inferior processing and inadequate quality control. They can fail at any time on the road endangering lives.

**Breaking points**
Cheap copies may appear identical to Haldex parts. On the road, deficiencies in quality and performance will become obvious. Copies have reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Most copies should be labelled fragile – they are not even robust enough to survive installation.

**Tests reveal dangerous defects in clone parts**
On these pages are examples of component comparison testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical application – a brake simulation chamber. The sample copies came from different non-original part manufacturers.

**Copy defects mean danger**

<table>
<thead>
<tr>
<th>Component</th>
<th>Original Haldex</th>
<th>Copy Haldex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worm shaft</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Thrust washer</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Gearwheel</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Clutch spring</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
</tbody>
</table>

In tests, no copy has reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Above all, always choose quality which maximises safety for road users.

**False economy**
Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk. Why take the risk?

**Beware of imitations**
Our claims are backed by hard evidence. Copies are made in low-grade materials with inferior processing and inadequate quality control. They can fail at any time on the road endangering lives.

**Breaking points**
Cheap copies may appear identical to Haldex parts. On the road, deficiencies in quality and performance will become obvious. Copies have reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Most copies should be labelled fragile – they are not even robust enough to survive installation.

**Tests reveal dangerous defects in clone parts**
On these pages are examples of component comparison testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical application – a brake simulation chamber. The sample copies came from different non-original part manufacturers.

**Copy defects mean danger**

<table>
<thead>
<tr>
<th>Component</th>
<th>Original Haldex</th>
<th>Copy Haldex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worm shaft</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Thrust washer</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Gearwheel</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Clutch spring</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
</tbody>
</table>

In tests, no copy has reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Above all, always choose quality which maximises safety for road users.

**Why take the risk?**
Would you choose quality Haldex original parts that maintain safety or low-performance, high-risk copies? Why put lives at risk?

Why jeopardise your business? Always fit parts that maximise safety or low-performance, inferior copies.

**False economy**
Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk. Why take the risk?

**Beware of imitations**
Our claims are backed by hard evidence. Copies are made in low-grade materials with inferior processing and inadequate quality control. They can fail at any time on the road endangering lives.

**Breaking points**
Cheap copies may appear identical to Haldex parts. On the road, deficiencies in quality and performance will become obvious. Copies have reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Most copies should be labelled fragile – they are not even robust enough to survive installation.

**Tests reveal dangerous defects in clone parts**
On these pages are examples of component comparison testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical application – a brake simulation chamber. The sample copies came from different non-original part manufacturers.

**Copy defects mean danger**

<table>
<thead>
<tr>
<th>Component</th>
<th>Original Haldex</th>
<th>Copy Haldex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worm shaft</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Thrust washer</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Gearwheel</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
<tr>
<td>Clutch spring</td>
<td>Wearing well</td>
<td>Wearing away</td>
</tr>
</tbody>
</table>

In tests, no copy has reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Above all, always choose quality which maximises safety for road users.

**Safety assured**
Haldex guarantees you the optimum performance with every original. A complete Haldex warranty is available on all original parts, is designed to entitle the customer to reimbursement of a minimum of 2.5 million applications.

**Marking the difference**
Using a non-Haldex part in a Haldex brake assembly nullifies not only safety and performance; it also invalidated any Haldex warranty. How can you be sure you are buying Haldex original parts?

• Haldex parts are recognizable by their distinctive packaging.

• Look for the name you can trust.

Almost every original component is marked with the Haldex name.

• Haldex supplies spare parts to all major heavy vehicle producers and leading side manufacturers. These companies recognise Haldex branded parts for their proven quality assurance.

• Copy parts marked with the Haldex name.

These are examples of components marked with the Haldex name.
**Inferior copies are potential killers**

A dangerous choice

A vehicle is only as safe as its brake components. Choose poor quality brake parts and the risk of serious accidents or loss of control immediately increases. Haldex is the world’s leading supplier of automatic brake adjusters for heavy vehicles. We insist on strict quality standards and conformity to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**Beware of imitations**

Our claims are backed by hard evidence. Haldex test results show that copies:

- can fail at any time on the road endangering lives.
- are made in low-grade materials with inferior processing and inadequate quality control.
- can fall at any time on the road endangering lives.
- are potential killers.

**Breaking points**

Cheap copies may appear identical to Haldex parts. On the road, differences in quality and performance soon become evident, as copies wear out, parts fail or disintegrate with dangerous consequences. Haldex has the proof to back up its assertions about defective copies.

Some copies last longer than others, but none come close to the originals. In tests, no copy has reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Most critics should be labelled fragile – they are not even robust enough to survive installation. On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**Copy defects mean danger**

- Clutch spring broken during fitting of automotive brake adjuster.
- Gearwheel: too brittle to survive installation.
- Worm shaft: dangerously broken after 500,000 applications.
- Thrust washer: fell apart after only 1,000 applications.
- Gearwheel copy broke during fitting of automotive brake adjuster.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**Why take the risk?**


**False economy**

Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**Tests reveal dangerous defects in clone parts**

**Safety assured**

Using a non-Haldex part in a Haldex brake adjuster not only renders safety and performance; it also invalidates any Haldex warranty. How can you be sure you are buying Haldex original parts?

- **Haldex parts are recognisable by their distinctive packaging.**
- **Haldex supplies spare parts to all major heavy vehicle producers and leading axle manufacturers.** These companies pack up Haldex branded parts in their own spare part kits, for continued quality assurance.

**Marking the difference**

Using a non-Haldex part in a Haldex brake adjuster not only renders safety and performance; it also invalidates any Haldex warranty. How can you be sure you are buying Haldex original parts?

- **Haldex parts are recognisable by their distinctive packaging.**
- **Haldex supplies spare parts to all major heavy vehicle producers and leading axle manufacturers.** These companies pack up Haldex branded parts in their own spare part kits, for continued quality assurance.

**Why do you choose Haldex original parts?**

- **Safety assured**
- **Guaranteed service and performance**
- **Low maintenance costs**
- **Long life ahead**
- **No warranty issues**
- **Low initial cost**

**Copy defects mean danger**

- Clutch spring broken during fitting of automotive brake adjuster.
- Gearwheel: too brittle to survive installation.
- Worm shaft: dangerously broken after 500,000 applications.
- Thrust washer: fell apart after only 1,000 applications.
- Gearwheel copy broke during fitting of automotive brake adjuster.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**False economy**

Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

**Why take the risk?**


**False economy**

Buying copies of Haldex parts is a false economy. Poor-quality parts mean more frequent servicing and higher maintenance costs. Cheap copies put your business at risk.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical example of a brake simulation chamber. The sample copies come from different non-original part manufacturers.
Inferior copies are potential killers

A dangerous choice

A vehicle is only as safe as its brake components. Choose poor-quality brake parts which fail to distinguish the road and the results can be devastating — for the whole driver, and road users in general.

We want to alert you to the dangers of buying inferior copies of Haldex parts. Cheap copies are accidents waiting to happen.

The success of Haldex, the world’s leading supplier of automatic brake adjustments for heavy vehicles, is based on high-product quality which maintains safety for road users.

Our patent protection has expired. Opportu nists are trying to cash in on the reputation of Haldex by making poor-quality copies of our parts. Are you knowingly buying parts which put lives at risk? For safety, it is vital to distinguish between original parts and potential killer copies.

Beware of imitations

Our claims are backed by hard evidence. Haldex tests reveal the following.

• Worm shaft: dangerously broken after 500,000 applications.
• Thrust washer: fell apart after only 1,000 applications.
• Gearwheel: too brittle to survive installation.
• Clutch spring: broken during fitting of automatic brake adjusters.
• Non-starter worm shaft: failed during lengthy testing.

Copy defects mean danger

• Clutch springs, broken during fitting of automatic brake adjusters.
• Gearwheel: too brittle to survive installation.
• Worm shaft: failed after 0.5 million applications.

Safety assured

• Worm shaft: failed during lengthy testing.
• Gearwheel: too brittle to survive installation. Original gearwheel designed for optimum performance and safety.

Tests reveal dangerous defects in clone parts

Why take the risk?

Would you choose quality Haldex original parts that maintain safety or low-performance, high-risk copies? Why put lives in danger?

Why jeopardise your business? Always fit parts which maximise safety or low-performance, inferior copies. Why take the risk?

Cheap copies may appear identical to Haldex parts. On the road, differences in quality and performance soon become evident, as copies wear out, components fail or disintegrate with dangerous consequences.

Breaking points

Haldex has the proof to back up its assertions about defective copies.

Some copies last longer than others, but none come close to the originals. In tests, no copy has reached more than 50% of the life expectancy of a Haldex original part. Many copies manage only 1%. Most copies should be labeled fragile – they are not even robust enough to survive installation.

On these pages are examples of component comparisons testing carried out, according to Haldex standards, at the Haldex test lab in Landskrona, Sweden. They represent a typical sample of a brake simulation chamber. The sample copies come from different non-original part manufacturers.

Copy defects mean danger

• Worm shaft: dangerously broken after 500,000 applications.
• Thrust washer: fell apart after only 1,000 applications.
• Gearwheel: too brittle to survive installation.
• Clutch spring: broken during fitting of automatic brake adjusters.

Safety assured

• Worm shaft: failed during lengthy testing.
• Gearwheel: too brittle to survive installation. Original gearwheel designed for optimum performance and safety.

Marking the difference

Using a non-Haldex part in a Haldex brake adjuster not only endangers safety and performance; it also invalidates any Haldex warranty. How can you be sure you are buying Haldex original parts?

• Haldex parts are recognizable by their distinctive packaging.
• Look for the name you can trust. Almost every original component is marked with the Haldex name.
• Haldex supplies spare parts to all major heavy vehicle producers and leading axle manufacturers. These companies pack up Haldex branded parts in their own spare part kits, for continued quality assurance.
Haldex quality is:

• Comprehensive
  Continual investment in R&D, training and manufacturing plant ensures quality in all stages of production.

• Long-established
  1991 – we became one of the first ISO 9001 certified Swedish companies.

• Exhaustively tested
  After 30 years of brake adjuster testing at the Haldex brake simulation lab, we are well-qualified to judge quality. In the test chambers, brake adjusters face simulated braking forces and driving conditions for up to six months – equivalent to many years on the road.

• Guaranteed
  Life-saving reliability means longer product guarantees than our rivals.

• Profitable
  Our parts offer higher safety and lower maintenance costs.
High quality means built-in safety

Haldex quality is:

- **Comprehensive**
  - Continual investment in R&D, training and manufacturing plants ensures quality in all stages of production.

- **Long-established**
  - 1951 - we became one of the first ISO 9001 certified brake companies.

- **Exhaustively tested**
  - After 30 years of brake adjuster testing at the Haldex brake simulation lab, we are well qualified to judge quality. In the test chamber, brake adjusters face simulated braking forces and driving conditions for up to six months - equivalent to many years on the road.

- **Guaranteed**
  - Life-saving reliability means longer product guarantees than our rivals.

- **Profitable**
  - Our parts offer higher safety and lower maintenance costs.

Cheap copies cost lives