Fully-automated warehouse logistics
About REYHER

Today, with 130 years’ experience REYHER is one of the leading trading companies for fasteners and fixing technology in Europe and supplies industry and trade customers worldwide.

With individual, flexible solutions over 650 staff at our central location in Hamburg ensure a daily fill rate of over 99% for our c-part supplies.
Agricultural industry sector

Farming is one of man’s oldest economic sectors and has changed dramatically as it has developed over the centuries. The biggest changes have been in modernization and increased productivity made by the use of tractors with their implements and self-propelled machinery. The fasteners used in agricultural equipment are subject to stringent requirements. They are affected by many environmental aspects such as weather, fertilizers and soil conditions. To withstand these influences a variety of surface systems are employed depending on application and surroundings. A consistent quality of fasteners is of enormous importance to agricultural machinery manufacturers.

■ REYHER in the agricultural industry

REYHER, a VDA 6.2 certified company, supplies individual logistics concepts to the agricultural industry with sector-specific parts in a wide variety of types and surfaces. These include standard parts as well as special and engineered parts held in stock. REYHER has a large range of articles with surface coatings e.g. zinc flake coated and thickness layer passivation in stock as alternatives to chrome (VI) corrosion protection coatings. Our REM – REYHER Engineering Management team is always on hand to advise.

Our service portfolio covering sourcing and C-parts management positions REYHER optimally for the agricultural sector. Customers can design ordering processes efficiently with a wide variety of e-business solutions. For series production we offer data transfer via EDI (Electronic Data Interchange). For this REYHER has a dedicated team of EDI specialists at our central location in Hamburg.

RKP – REYHER Kitting & Packaging fulfils individual picking and packing requirements. For mounting sets or for filling spare-parts stores we supply fasteners in sets or assembly kits. Naturally, these can also be supplied in small load carriers – SLC. Our flexible Kanban supply systems ROM – REYHER Order Management ensure reliable material feeds in the production.
REYHER in the agricultural industry

**Reliable product quality**

Fasteners in agricultural equipment are subject to high mechanical stresses as well as a variety of environmental influences. These specific requirements are taken into account in our choice of suppliers and during in-company testing. REYHER operates its own test laboratory where products are subject to special tests using state-of-the-art methods and technology. This ensures consistent quality.

**Technical expertise**

REM – REYHER Engineering Management team deals with all technical matters and details involving fasteners and fixing technology. Through continuous in-service training our staff keep their all-round technical knowledge up to the latest standards. Because of the wide-ranging influences in the agricultural industry special attention is paid to corrosion protection systems. In particular farming implements present a very specific challenge for these requirements. Experienced engineers and technicians in our REM team are always on hand to consult our customers. Over and above this we support our customers to standardise their product ranges, usually resulting in a reduced number of parts.

REYHER – Your partner in the agricultural industry

- Comprehensive product range for the sector in stock
- Alternatives to Cr(VI) surface coatings
- Sourcing special and engineered parts
- Reliable product quality
- Individualized kitting – compiling sets and assembly kits
- Diverse e-business solutions e.g. EDI
- Flexible Kanban supply systems
- Fast deliveries
- Technical consulting
- Staff specialized in purchasing, sales and technology
Apart from standard fasteners the applications in the agricultural field frequently demand the use of customer-specific parts. REYHER realises high-quality customer-specific products based on drawings, samples or works standards, stored and delivered according to needs.

For assembling agricultural machinery and repair kits for spare parts stores, we have sets and assembly kits to increase efficiency in the agricultural sector.

RKP – REYHER Kitting & Packaging fulfils every customer-specific requirement. Through needs related compiling of articles, pack units and labelling we create individual sets and assembly kits for every situation. The goods are delivered in customer-specific cardboard boxes, crates or small load carriers.

Whether data exchange via EDI (Electronic Data Interchange), RIO – REYHER Internet Order Webshop, needs capture via barcode or electronic catalogue: We offer a comprehensive service and together with you optimize your ordering process. REYHER offers EDI solutions for series production. REYHER e-business solutions simplify procurement and speed up the ordering process. Automatic data processing reduces manual checking. Data quality is improved and errors avoided.

Using ROM – REYHER Order Management provides our customers with the highest supply and process reliability. Modules can be combined, RFID technology, barcode systems, flexible labelling and cutting-edge data interchange to build an all-round seamless package for smooth materials feed – reliable, precise and flexible – made to meet individual customer needs.
Fasteners for the agricultural industry

**Examples**

- **Hexagon head bolts**
  - ISO 4014/4017 DIN 931/933
  - ISO 8675/8676 DIN 960/961
  - or in line with drawings

- **Hexagon socket head cap screws**
  - ISO 4762
  - DIN 912
  - or in line with drawings

- **Cup head square neck bolts**
  - DIN 603
  - or in line with drawings

- **Eye bolts**
  - DIN 444
  - or in line with drawings

- **Screw plugs**
  - DIN 906/908/909/910
  - DIN 5586
  - DIN 7604
  - or in line with drawings
Fasteners for the agricultural industry

Examples

- **Wheel bolts**
  DIN 74361
  or in line with drawings

- **Stirrup bolts**
  DIN 3570
  or in line with drawings

- **Flange bolts**
  DIN 6921
  EN 1662/1665
  or in line with drawings

- **Lock washers**
Fasteners for the agricultural industry

**Examples**

- **Linch pins**
  - DIN 11023
  - or linch pins for tubes
  - Article 88023

- **Hexagon nuts**
  - ISO 4032/4033
  - DIN 934
  - or in line with drawings

- **Locking nuts with flange**
  - similar to DIN 6923
  - Article 88934

- **Prevailing torque type hexagon nuts**
  - (Locking nuts)
  - ISO 7040/7042
  - DIN 980/982/985
  - or in line with drawings

- **Flat countersunk square neck bolts**

- **Bolts and wire bending parts**
REYHER product range with CR(VI)-free coatings

Fertilizers and diverse soil conditions for example, acidic and acid soils are factors that impact the stability of the fasteners in agricultural equipment.

The demands on screws, nuts and washers are high, to meet all needs – especially corrosion protection.

For these special needs we have various surface systems and coating methods available:

- Steel, zinc plated with blue chromating
- Steel, thickness layer passivation (optional with sealing)
- Steel, zinc nickel coating
- Steel, zinc flake coating
- Steel, hot dip galvanized
- Stainless steels
- BUMAX®

<table>
<thead>
<tr>
<th>Product</th>
<th>Property class</th>
<th>Ø</th>
<th>Surface designation REYHER</th>
<th>Normative designation</th>
<th>Corrosion resistance of saltspray test [h] white rust/red rust</th>
<th>Friction coefficient adjustment</th>
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<tbody>
<tr>
<td>Screws/nuts</td>
<td>&lt;8.8/8</td>
<td>&lt; M 6</td>
<td>ZP TLP</td>
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<td>72/120</td>
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* Stock goods
** Test conditions in the line with ISO 16047.
*** Friction coefficient for washers are only for information. No test conditions are defined for washers in the standard.
Comprehensive product selection
+ Engineered parts
+ Technical consulting
+ Individual kitting and packaging
+ C-parts management
+ Flexible Kanban supply systems
+ Diverse e-business solutions
+ Customer-specific logistics concepts
+ Fast deliveries

= REYHER –
Your reliable partner in the Agricultural industry!
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