# QUALITY
# Management System

**Quality Management System**

◆ We aim to provide our clients with good quality, competitively priced products in a timely manner.

◆ We are committed to the continuous improvement of our products and services.

◆ Customer satisfaction is our goal.

**The company was awarded the ISO 9001 certificate in the year 2000**

◆ Strict procedures are in place to ensure the consistent quality of raw materials and workmanship throughout the production process.

◆ Quality procedures also monitor customer satisfaction through regular visits to clients and effective reporting.

◆ We are committed to being at the forefront of technology through constant monitoring of international markets.

**Our goal is customer satisfaction**

ISO9001

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# HEAVY DUTY HINGED FASTENERS

**-RV6**

**-TITAN SERIES (T10/T10H, T12, T14)**

**-G SERIES (G2002, G2003)**

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# HEAVY DUTY HINGED FASTENERS

## RV6

Solid plate hinged fasteners.

### Product Features

- Solid strip fastener: One complete fastener strip is installed on the belt across the full width preventing fastener loss or damage during transportation and storage.
- Single fastener size suitable for a wide belt thickness range: RV6 can be used for a belt thickness of 6-12mm, making the RV6 easy for the customers to manage.
- High strength of the joint: The V shape of the staple arrangement enables a high density of staple penetration on the installation without causing damage to the core of the belt.
- Good alignment of the joint: The fasteners are installed with the hammer tool. Install the fastener on either side and in the centre of the splice ensuring the fasteners are square to the belt and then install the fasteners across the full width. Because of the good alignment, it is very easy for the connecting pin to be inserted.
- Less impact during the operation: The V shaped low and flat plate fastener body with a chamfered leading edge decreases the impact and wear to idlers, pulleys and cleaners during the operation of the conveyor.
- Improved life of the pin: The loop section of the fastener is designed to maintain a good even radius after the fastener is clenched, thus providing a good working surface for the connecting pin to interact with.
- Applications: Mining Construction, Asphalt plants, Aggregate plants.

### Technical Parameter

| Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | | Connecting Pin Diameter | | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|---|---|
| inch | mm | PIW | N/mm | PIW | N/mm | inch | mm | inch | mm |
| 1/4 to 15/32 | 6 to 12 | 8000 | 1400 | 1200 | 175 | 15/64 | 6 | 16 | 400 |

Length:900mm(36"), 1050mm(42"), 1200mm(48"), 1400mm(54"). Other length on request.

### Packaging

- 2 strips (1 set) of the fastener in each box for 1 joint.

### Installation Requirement

- The RV6 fastener is installed with a Hammer Tool; Special instructions are required to use this tool. They are available on request.

## TITAN T10 & T10H

Staggered fasteners-normal reach.

The T10 series are in two categories:
-T10H, fasteners to be installed with a hammer tool.
-T10, fasteners to be installed with a levermatic fixing tool.
These two series differ by the opening angle of the fastener. Both fasteners can be made in carbon steel or stainless steel.

### Product Features

- Twin staple fastener.
- Good for deep troughed belts whose troughing angle is 45° .
- Complete range: for the belt thickness from 7.5 to 16mm.
- The "staggered" arrangement of the staples enables a splice with a high tensile and dynamic strength to be installed. The loads are spread across the "staggered" staple arrangement.
- The front edge of the fastener is chamfered which decreases the impact on idlers and belt cleaners.
- Easy installation of the fasteners is achieved by the hammer tool (T10H) or by the levermatic fixing tool (T10).
- Applications: Under ground and surface coal mining.

### T10 Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | | Connecting Pin Diameter | | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | N/mm | inch | mm | inch | mm |
| 22 | 15/64 to 5/16 | 6 to 8 | 10000 | 1750 | 1200 | 175 | 15/64 | 6 | 16 | 400 |
| 24 | 5/16 to 25/64 | 8 to 10 | | | | | 9/32 | 7 | | |
| 26 | 25/64 to 15/32 | 10 to 12 | | | | | 9/32 | 7 | | |
| 28 | 15/32 to 9/16 | 12 to 14 | | | | | 9/32 | 7 | | |

### T10H Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | | Connecting Pin Diameter | | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | N/mm | inch | mm | inch | mm |
| 22 | 19/64 to 3/8 | 7.5 to 9.5 | 10000 | 1750 | 1200 | 175 | 15/64 | 6 | 16 | 400 |
| 24 | 3/8 to 1/2 | 9.5 to 12.5 | | | | | 9/32 | 7 | | |
| 26 | 1/2 to 10/20 | 12.5 to 14 | | | | | 9/32 | 7 | | |
| 28 | 10/20 to 10/16 | 14 to 16 | | | | | 9/32 | 7 | | |

### Packaging

- 10 strips of 200mm fastener in each box for 1 meter's joint.

### Installation Requirement

- The fastener requires either a Hammer Tool (T10H) or Levermatic fixing tool (T10) for installation, specific installation instructions are available on request.

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# HEAVY DUTY HINGED FASTENERS

## TITAN T12

In line staple – longer reach than T10

The T12 series is an evolution from the T10 series, with a longer reach and in line staple arrangement.

### Product Features

- Twin staple fastener.
- Good for the deep troughed belts whose troughing angle is 45° .
- Complete range: for the belt thickness 8-16 mm.
- Made of high strength steel: the strength, rigidity and wear resistance of the fasteners are guaranteed. The joints have a high strength and long life.
- The front edge of the fastener is chamfered which decreases the impact on idlers and belt cleaners.
- Easy installation for the fasteners by the levermatic fixing tool.
- Applications: Under ground and surface coal mining.

### Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | inch | mm |
| 24 | 0.31 to 0.47 | 8 to 12 | 10000 | 1750 | 1200 | 16 | 400 |
| 28 | 0.47 to 0.63 | 12 to 16 | | | | | |

### Packaging

- 10 strips of 200mm fastener in each box for 1 meter's joint.

### Installation Requirement

- The fastener is installed with a levermatic fixing tool. Special instructions are available on request.

## TITAN T14

Staggered staples – very long reach fastener

The T14 series is an evolution from the T10 series. It allows a further long reach with a staggered staple configuration. This long reach fastener is to joint belts with a high tensile rating and where safety is very important such as with the transport of personnel on the belt.

### Product Features

- Twin staple fastener.
- Good for the deep trough belt whose troughing angle is 45° .
- Staggered staples to maximize fastener holding.
- Complete range: for the belt thickness of 8-16 mm.
- Made of high strength steel: the strength, rigidity and wear resistance of the fasteners are guaranteed.
- The "staggered" arrangement of the staples enables a splice with a high tensile and dynamic strength to be installed. The loads are spread across the "staggered" staple arrangement.
- Therefore, the joints have a high strength and long life.
- Easy installation for the fasteners by levermatic fixing tool.

  Applications: Under ground and surface coal mining.

### Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | inch | mm |
| 24 | 0.31 to 0.39 | 8 to 10 | 15000 | 2625 | 1500 | 20 | 500 |
| 26 | 0.39 to 0.47 | 10 to 12 | | | | | |
| 28 | 0.47 to 0.63 | 12 to 16 | | | | | |

### Packaging

- 10 strips of 200mm width fastener in each box for 1 meter's joint.

### Installation Requirement

- The fastener is installed with a levermatic fixing tool. Special instructions are available on request.

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# HEAVY DUTY HINGED FASTENERS

## G2002

### Solid strip fastener with staggered staples

## Product Features

- Solid strip fastener: One complete fastener strip is installed on the belt across the full width preventing loss or damage during transportation and storage.
- High strength of the joint: The "staggered" arrangement of the staples enables a splice with a high tensile and dynamic strength to be installed. The loads are spread across the "staggered" staple arrangement.
- Good alignment of the joint: The fasteners are installed with the hammer tool. Install the fastener on either side and in the centre of the splice ensuring the fasteners are square to the belt and then install the fasteners across the full width. Because of the good alignment, it is very easy for the connecting pin to be inserted.
- Less impact force during the operation: The front edge of the fastener is chamfered which decreases the impact and wear to idlers, pulleys and cleaners during the running of the conveyor.
- Improved life of the pin: The loop section of the fastener is designed to maintain a good even radius after the fastener is clenched, thus providing a good working surface for the connecting pin to interact with.
- Application: Heavy-duty conveyor belt, Underground mining, Main haulage, Coal potash.

## Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | inch | mm |
| 22 | 19/64 to 11/32 | 7.5 to 9 | 10000 | 1750 | 1200 | 16 | 400 |
| 24 | 11/32 to 13/32 | 9 to 11 | | | | | |
| 26 | 13/32 to 1/2 | 11 to 13 | | | | | |
| 28 | 1/2 to 19/32 | 13 to 15 | | | | | |

Length:900mm(36"), 1050mm(42"), 1200mm(48"), 1400mm(54"). Other length on request.

## Packaging

- 2 strips (1 set) of the fastener in each box for 1 joint.

## Installation Requirement

- The G2002 fasteners and G2003 fasteners can be installed with.
  -A hammer tool.
  -Or a pneumatic tool.
  -Or a hydraulic tool.
  Special instructions are required to use these tools. Please contact our sales team or technician to advise you the most suitable installation device for your application.

## G2003

### Solid strip fastener for the very heavy duty belts with in line staples

## Product Features

- Solid strip fastener: One complete fastener strip is installed on the belt across the full width preventing fastener loss or damage during transportation and storage.
- High tensile strength of the joint: The unique method of bending the staples during installation and the reach of the fastener into the belt gives the joint an exceptionally high tensile strength whilst maintaining excellent dynamic characteristics.
- Good alignment of the joint: The fasteners are installed either with the hammer tool or an operated tool (Pneumatic or hydraulic). Install the fastener on either side and in the centre of the splice ensuring the fasteners are square to the belt and then install the fasteners across the full width. Because of the good alignment, it is very easy for the connecting pin to be inserted.
- Less impact force during the operation: The front edge of the fastener is chamfered which decreases the impact and wear to idlers, pulleys and cleaners during the running of the conveyor.
- Improved life of the pin: The loop section of the fastener is designed to maintain a good even radius after the fastener is clenched, thus providing a good working surface for the connecting pin to interact with.
- Application: Heavy-duty conveyor belt, Underground mining, Main haulage, Coal potash.

## Technical Parameter

| Staple Size | Belt Thickness Range | | Maximum Breaking Tension of Belt | | Maximum Working Tension | Minimum Pulley Diameter | |
|---|---|---|---|---|---|---|---|
| N° | inch | mm | PIW | N/mm | PIW | inch | mm |
| 29 | 13/32 to 9/16 | 10 to 14 | 20000 | 3500 | 2000 | 20 | 500 |
| 33 | 9/16 to 23/32 | 14 to 18 | | | | | |

Length:900mm(36"), 1050mm(42"), 1200mm(48"), 1400mm(54"). Other length on request.

## Packaging

- 2 strips (1 set) of the fastener in each box for 1 joint.

## Installation Requirement

- The G2002 fasteners and G2003 fasteners can be installed with.
  A hammer tool.
  Or a pneumatic tool.
  Or a hydraulic tool.
  Special instructions are required to use these tools. Please contact our sales team or technician to advise you the most suitable installation device for your application.