

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

- GORFLEX
- ZS CONVEYOR BELT PULLER
- RV6
- G SERIES (G2002 / G2003)
- TITAN SERIES (T12 / T14)
- BPJ SKIVER



**THE GLOBAL SPECIALIZED CONVEYOR
COMPONENTS PROVIDER-----GO smart**



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 degree.
- ◆ 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: Underground and surface coal mining.

Technical Parameter

Staple Size	Belt Thickness Range	Maximum Breaking Tension of Belt	Maximum Working Tension	Minimum Pulley Diameter
N°	mm	N/mm	N/mm	mm
24	8 to 12	1750	210	400
28	12 to 16			

Packaging

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

Installation Requirement

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



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
mm	N/mm	N/mm	mm	mm
6 to 12	1400	175	6	400

Length:900mm, 1050mm, 1200mm,1400mm.
Other lengths available on request.

Packaging

- ◆ 2 strips (1 set) of the fastener in each box for 1 joint, including ss pin.

Installation Requirement

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



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°	mm	N/mm	N/mm	mm
22	7.5 to 9	1750	210	400
24	9 to 11			
26	11 to 13			
28	13 to 15			

Length:900mm, 1050mm, 1200mm, 1400mm.
Other lengths available on request.

Packaging

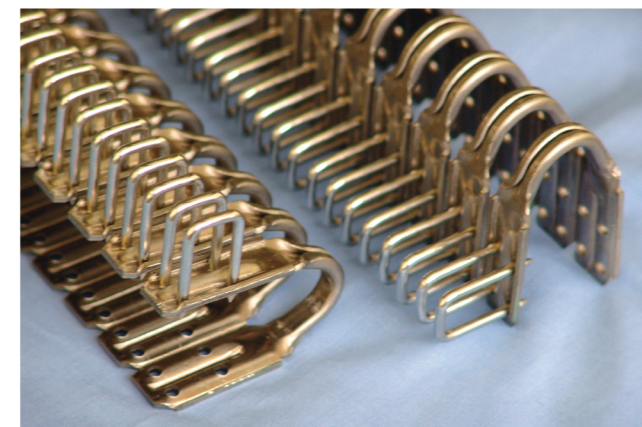
- ◆ 2 strips (1 set) of the fastener in each box for 1 joint.

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°	mm	N/mm	N/mm	mm
29	10 to 14	3500	350	500
33	14 to 18			

Length:900mm, 1050mm, 1200mm, 1400mm.
Other lengths available 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.

HEAVY DUTY HINGED FASTENERS

BPJ Skiver



Packaging

1 skiver, 1 standby blade, 1 wrench and 1 technical instruction leaflet.

Product Features

- ◆ Simple operation for the quick removal of the belt cover.
- ◆ The belt end has a uniform thickness across the full width after skiving.
- ◆ The depth and the thickness of the removed cover are adjustable.
- ◆ Ideal for the preparation of the belt end for mechanical fastener installation.

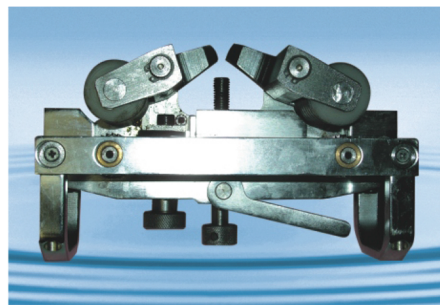
Product Use

- ◆ Remove the top cover of the belt end (where the fastener will be installed).
- ◆ Adjust the thickness of the cover so that the top of the belt and the top of the fastener are the same height. This is done to reduce the impact of fasteners on idlers, pulleys and cleaners and at the same time reduces the wear of the fasteners. This extends the life of

the splice and reduces the operational cost of the conveyor.

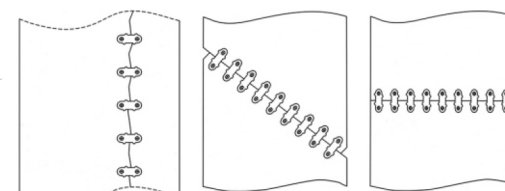
Technical Parameter

- ◆ Removes material: rubber and plastic conveyor material
- ◆ Removes belt cover thickness: 2-6mm.
- ◆ Removes belt to a depth: 24-45mm.
- ◆ Applicable belt thickness: 10-24mm



Packages

- ◆ Standard configuration
One set of Gorflex includes one top plate, one bottom plate, two bolts and two nuts.
Type 2½ and type 3 have an additional circlip.
- ◆ Standard package
For type 140/190/1½/2, 25 sets per box or 100 sets per bucket.
For type 2½ and 3, 10 sets per box.



Technical Parameter

Type	Belt thickness		Max breaking Tension of belt		Max working tension	Min Pulley diameter		Tool Type
	inch	mm	PIW	N/mm	PIW	inch	mm	
140	3/16~7/16	5~11	2500	400	300	10	250	A
190	5/16~9/16	8~14	3500	600	400	14	360	
1½	7/16~43/64	11~17	3000	500	350	14	360	B
2	43/64~53/64	14~21	4500	750	550	24	610	
2½	3/4~1	19~25	5000	800	600	39	1000	C
3	≥1	≥24	6000	1000	750	42	1200	

Installation requirement

- ◆ A set of installation tool includes one punch, one wrench and two bolt breakers. There are three tool types (A, B, C). Please refer to Technical Parameter.

BELT WIDTH				FASTENER SIZE # 140 - 190				FASTENER SIZE # 1 1 / 2 - 2				FASTENER SIZE # 2 1 / 2			
				45°		#BOX		45°		#BOX		45°		#BOX	
in	mm	in	mm	REQUIRED		in	mm	REQUIRED		in	mm	REQUIRED			
12	300	12	12	1BOX		9	10	1BOX		7	7	1BOX			
18	450	19	19			15	15			12	12				
24	600	26	26	2BOXES		21	21	2BOXES		17	16	2BOXES			
30	300	33	33			27	27			21	21				
36	300	41	40			33	32			26	26				
300		45		3BOXES		36		2BOXES		29		4BOXES			
42	300	48	47			39	38			31	30				
48	300	55	54			44	43			35	35				
54	300	63	61	3BOXES		48	49	3BOXES		40	40	5BOXES			
60	300	69	68			56	55			44	44				
72	300	83	82	4 BOXES		88	65	3 BOXES		53	53	6BOXES			
FASTENER SETS	BOX	25 Fastener Sets						10 Fastener Sets							
	PAIR	100 Fastener Sets						100 Fastener Sets							

BELT WIDTH		FASTENER SIZE #				FASTENER SIZE #				FASTENER SIZE #			
		140 - 190				1 1 / 2 - 2				2 1 / 2			
		90°		#BOX		90°		#BOX		90°		#BOX	
in	mm	in	mm	REQUIRED		in	mm	REQUIRED		in	mm	REQUIRED	
12	300	10	9	1BOX		8	8	1BOX		6	6	1BOX	
18	450	15	14										
24	600	20	19										
30	750	25	24										
36	900	30	29	2BOXES		24	23	2BOXES		16	16	2BOXES	
	1000		32										
42	1050	35	34										
48	1200	40	39										
54	1350	45	44	2BOXES		28	27	2BOXES		22	21	3BOXES	
60	1500	50	49										
72	1800	55	54										
FASTENER BOX		25 Fastener Sets						10 Fastener Sets					
SETS PAIR		100 Fastener Sets						100 Fastener Sets					



HEAVY DUTY HINGED FASTENERS

ZS Conveyor Belt Puller



Product Features

- ◆ Stainless Steel Construction
- ◆ Lightweight
- ◆ Easy to Carry
- ◆ Improves Safety

Product use

- ◆ For the moving of the conveyor belt during the installation of the belt and during splicing operations. It reduces the problems of moving conveyor belt by hand.
- ◆ Many accidents occur through slippage whilst handling heavy and sometimes wet conveyor belt, the ZS Conveyor Belt Puller assists the operator to maintain a strong grip of the belt.

Basic Parameter

- ◆ Applicable belt thickness: 5-26mm Weight: 0.7kg(1.54pound).

Adustment for Belt thickness

- ◆ You can adjust the top bolts to make it larger for different belt thicknesses. This will ensure best results for holding the belt.



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 degree.
- ◆ Staggered staples. To maximize fastener holding.
- ◆ Complete range: for the belt thickness of 8-16mm.
- ◆ 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: Underground and surface coal mining.

Technical Parameter

Staple Size	Belt Thickness Range	Maximum Breaking Tension of Belt	Maximum Working Tension	Minimum Pulley Diameter
N°	mm	N/mm	N/mm	mm
24	8 to 10	2625	262.5	500
26	10 to 12			
28	12 to 16			

Packaging

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

Installation Requirement

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



HEAVY DUTY HINGED FASTENERS

GORFLEX

Product Features

- ◆ Gorflex Plate Fasteners are easily installed with a range of simple hand tools and with the assistance of readily available power tools. Gorflex Plate Fasteners are also ideally suited for the quick repair of belt tears.
- ◆ Suitable for a wide range of belt thicknesses 5-24 mm (3/16"-1").
- ◆ Suitable for a wide range of belt widths.
- ◆ Butted belt ends make a sealed type belt joint, this can be further enhanced with the use of Gortape under the plates to seal the joint.
- ◆ Excellent impact resistance and particularly suitable for heavy and hard rock conveying systems.
- ◆ Long life and wear resistant.
- ◆ Suitable for general applications and the transportation of sand, gravel, cement, crushed stone, coal, salt and belt tear repairs.



BPJ Skiver Operation and Maintenance

Operations

- ◆ Lift the depth fixing handle, adjust the baffle to the required position and put the handle down, fixing the depth of the cut to be made.
- ◆ Rotate the belt pressing handle counter clockwise, allowing the belt to be inserted up to the blade, rotate the belt pressing handle clockwise to secure the belt. If manual strength is not enough, use a wrench to tighten.
- ◆ Adjust the thickness handle according to the thickness of the belt cover to be removed.
- ◆ Hold the handle and keep the unit straight. Operate the ratchet handle to make the skiver move across the belt.



Blade Replacement

- ◆ Remove the roller base.
- ◆ Rotate the handle counter clockwise and, make the slider disconnect completely.
- ◆ Remove the fixing bolt on the slider.
- ◆ Remove the old blade and replace with a new blade or remove the old blade re-grind it and replace.
- ◆ Reverse the sequence to secure the blade.

Maintenance

- ◆ Do not use the skiver for the removal of non conveyor belting materials.
- ◆ Avoid impact damage to the blade.
- ◆ Clean the blade after use and apply rust proof grease.
- ◆ Use a whetstone to grind the blade if necessary.

