



BEIER™ High Performance Replacement Cables & Cable Repair

ATLAS COPCO **TENSOR STR** Series for **PF6000**

Replacement Cables and Repair Services for ATLAS COPCO part numbers:

4220 4375 XX / 4220 5199 XX



✓ 3 times longer service life*

✓ improved ergonomics*

✓ considerably cheaper prices*

* compared to conventional DC Tool Cables



BEIER™ Tensor STR Cable Series: How to use

✓ Plug + Play



PF6000 Controller



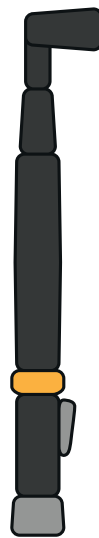
AC-STR-MM

The Tensor STR Match Maker Adaptor Cable is needed only once per controller. It enables the user to operate and save costs with BEIER™ High Performance Replacement Cables or repaired OEM Cables.



Replacement cables & repaired cables

Controller connector in Tensor ST version as a Plug & Play solution in combination with the Tensor STR Match Maker Adaptor Cable



STR Nutrunner

High Performance Tool Connector

Connector with optimized components and integrated bending protection + strain relief for maximized performance and durability

Customized for every application

Variable cable lengths and connector versions available



BEIER™ High Performance Replacement Cables



BEIER™ REPLACEMENT-VERSIONS:

Please see all available BEIER™ cable versions on the exemplary basis of a cable with the length of 5 m.
We have all common lengths on stock and can supply any special lengths on short notice.



BEIER™ Item Number	Version	Description of Tool Connector
AC - 4220 4375 05 / R	Regular	Straight, non-rotatable
AC - 4220 4375 05 / S	Swivel	Straight, +/- 170° rotatable
AC - 4220 4375 05 / 90S	90° Swivel	90° angled, +/- 170° rotatable
AC - 4220 4375 05 / 120S	120° Swivel	120° angled, +/- 170° rotatable
AC - 4220 4375 05 / RF	Regular Flexi	Straight, non-rotatable, Flexi Cable
AC - 4220 4375 05 / SF	Swivel Flexi	Straight, +/- 170° rotatable, Flexi Cable
AC - 4220 4375 05 / 90SF	90° Swivel Flexi	90° angled, +/- 170° rotatable, Flexi Cable
AC - 4220 4375 05 / 120SF	120° Swivel Flexi	120° angled, +/- 170° rotatable, Flexi Cable

Note: MATCH MAKER Adaptor Cable is required for the use of BEIER™ HP Replacement Cables for Tensor STR tools.



BEIER™ High Performance Cable Repair

OUR REPAIR SERVICE COMPRISES:

- Complete control including **high-voltage test**
- Complete removal of the damaged cable area
- Tool Connector Upgrade with **optimized BEIER™ housing and connector components**
- BEIER™ **Integrated Bending Protection**: robust, high flexible and ergonomic
- Controller Connector modification into Tensor ST version
- High-voltage final test with logging of resistance values in the mΩ-range
- Delivery of the **BEIER™ MATCH MAKER Adaptor Cable** at first time repair

Damaged OEM Cable **before** repair



Cable Type: Atlas Copco Tensor STR, Part Number: 4220 4375 05

OEM Cable **after** repair: Features and benefits

Optimized connector parts

Complete control of the entire cable:
Including high-voltage tests and logging of the resistance values in the mΩ-range

Automatic supply of the Tensor STR Adaptor Cable upon first time repair
The Adaptor Cable is needed only once per controller and enables the user to operate with repaired OEM Cables or BEIER™ High Performance Cables

Length: 0,5 m

Integrated bending protection / strain relief: robust, flexible, ergonomically optimized

Controller connector modified into Tensor ST version

Extension cable connector to connect the repaired tool cable

Original controller connector for building the Tensor STR Adaptor Cable, which can be used like an extension cable



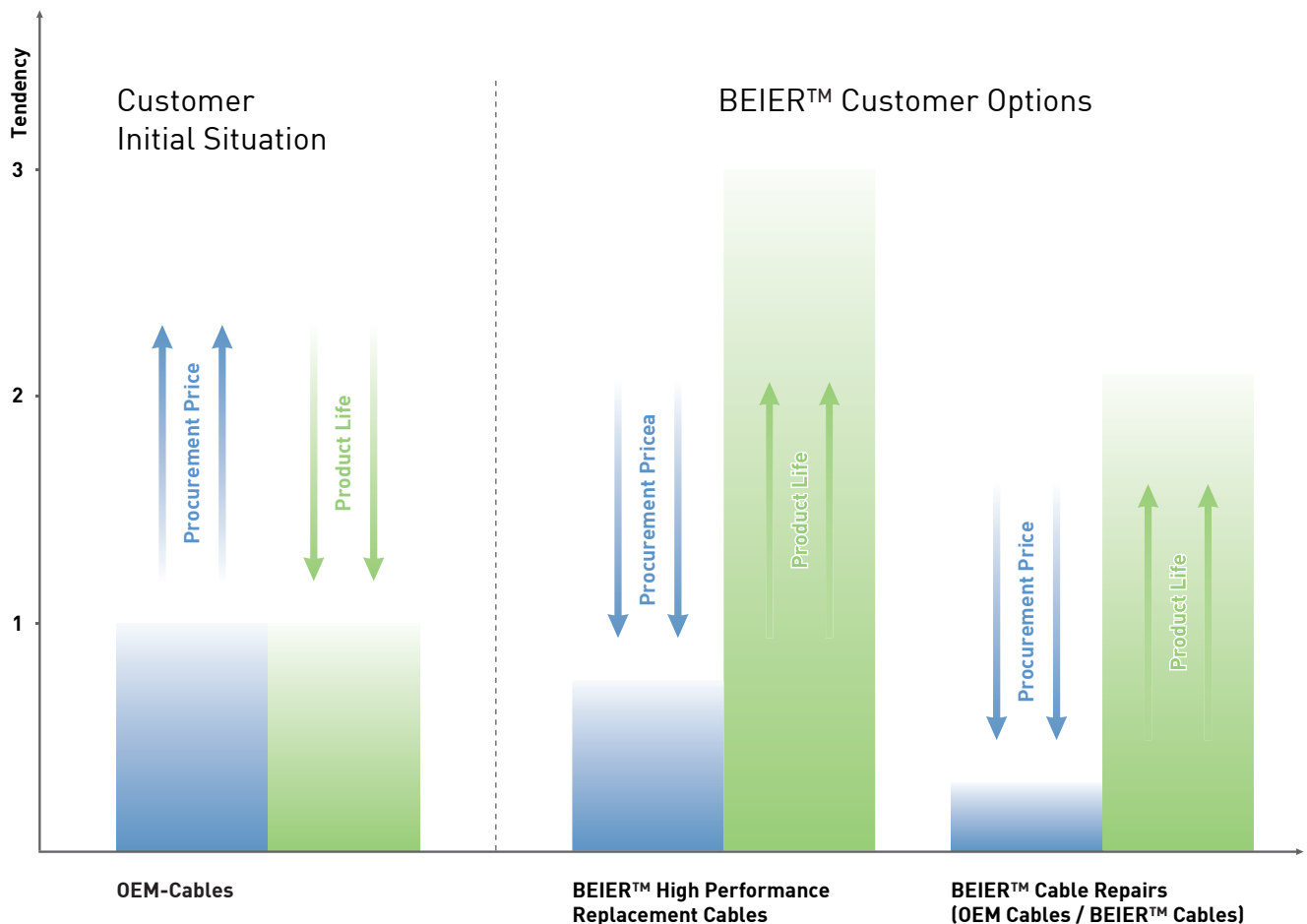
BEIER™ Price-Performance Ratio

Your advantage:

With the BEIER™ Cable Repair Service you can **save more than 65% of the new procurement price** for OEM-Cables (depending on the cable type). At the same time we can **increase the product life considerably** thanks to our optimized Tool Connector and integrated bending protection.

- ✓ *Minimized Costs*
- ✓ *Maximized Performance*

Comparison of average price-performance ratio





BEIER™ STR Match Maker Adaptor Cable

The STR Match Maker – Your adaptor cable for the cost-saving use of:

- BEIER™ High Performance Replacement Cables Tensor STR Series
- BEIER™ High Performance OEM Cable Repairs Tensor STR Series

The Match Maker Adaptor Cable is needed only **once per controller**.

As soon as the Match Maker Adaptor Cable is plugged in to the controller, you can operate with BEIER™ High Performance Replacement Cables or with repaired OEM Cables as a **Plug & Play Solution**.

Our adaptor – your advantage



Plug + Play for maximized cost reduction



BEIER™ Match Maker: General Information

OEM tool cables (OEM = Original Equipment Manufacturer) of the Tensor STR series are fitted with a circuit board by Atlas Copco, which is queried from the controller. The OEM manufacturer utilises this circuit board in an attempt to prevent the use of qualitatively better BEIER™ High Performance Replacement Cables. However, we would not be the **technology leader** in DC Tool Cables if we were not able to provide our customers with a solution for this.

Due to technical reasons for **quality assurance** (obligatory high-voltage testing), we must permanently remove the circuit board from the OEM cable. To enable the use of repaired OEM cables or BEIER™ High Performance Replacement Cables, we build the BEIER™ Match Maker Adaptor Cable only with original STR controller connectors from Atlas Copco including the circuit board.

The BEIER™ STR Match Maker Adaptor Cable is a pure **non-profit service product** that allows you to **save costs** in the easiest manner through our products and services.

Our manufacturing concept appears as follows:

Original Cable Atlas Copco Tensor STR Series

Optimized tool connector

Controller connector in Tensor ST version

Tensor ST extension cable connector

Optimized **High Performance OEM Cable Repair** or **High Performance Replacement Cable** - the Plug & Play solution in combination with the Tensor STR Adaptor Cable

Tensor STR Match Maker Adaptor Cable incl. the original connector for PF6000 controllers: the adaptor cable has a length of 0,5 m and can be plugged in like an extension cable



Match Maker: Reasons for the adaptor solution

Due to our years of industry experience and demand for quality, we knowingly decided against the circuit board in the cable and opted for an adaptor solution for the following reason:

To be able to ensure the highest quality, all new and repaired cables will be tested with a defined high-voltage test at our facility. This high-voltage test would destroy the circuit board integrated into the cable. Conversely, we must assume that the OEM cables are not tested by means of high-voltage testing. For reasons of quality, we consider this to be alarming.

Match Maker: Manufacturing of the adaptor

In our BEIER™ STR Match Maker Adaptor Cable, we only use the original PF6000 controller connector including the circuit board from Atlas Copco OEM cables.

These components are removed in our facilities during the first time repair or upon scrapping of an OEM cable and integrated into our BEIER™ STR Match Maker Adaptor Cable.

Match Maker: Application of the adaptor

The use of our STR Match Maker Adaptor Cable is very easy because it must only be inserted in between tool cable and controller. From then on, it allows our customers to use repaired OEM cables with up to twice the product life or BEIER™ High Performance Replacement Cables with a product life of up to three times greater.

All of your controllers can be equipped with our STR Match Maker Adaptor Cable, wherein **it is only needed once per controller**.

The STR Match Maker Adaptor Cable must remain **connected permanently on the controller**, even if the utilized tool cable is replaced with another BEIER™ High Performance Replacement Cable or with another repaired OEM cable. The STR Match Maker Adaptor Cable must only be removed when using an unrepaired OEM cable and kept for the next use with BEIER™ products.



Match Maker: Delivery variations

As only the original Atlas Copco PF6000 controller connector is integrated into our STR Match Maker Adaptor Cable, we can provide our customers with the following delivery variations:

Option 1: Delivery of the STR Match Maker Adaptor Cable upon first time repair of an OEM cable

You can save money by having your defective OEM cable repaired.

We will provide you automatically with the STR Match Maker Adaptor Cable as a non-profit service product at our manufacturing cost if you send us your OEM cable for initial repair.

Option 2: Delivery upon simultaneously scrapping of an unrepaired OEM cable

This option is well-suited if the damage of the cable does not allow for repair or if you do not wish to have it repaired. You can send us an old, unrepaired OEM cable for scrapping.

Upon simultaneously purchasing a new replacement cable from our facility, the STR Match Maker Adaptor Cable is free of charge as we will offer you a scrapping discount.

Option 3: STR Match Maker Adaptor Cable Starter Pack

If you do not have an OEM cable available for repair or scrapping, then we can offer you our STR Match Maker Adaptor Cable Starter Pack, which consists of:

- one STR Match Maker Adaptor Cable
- one OEM Tool Cable Tensor STR upgraded with BEIER™ High Performance Tool Connector (connector version and cable length according to your choice) and modified controller connector in Tensor ST version

THE TIME FOR IMPROVEMENT IS NOW.





Your advantage is our drive.



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