



# BEIER™ High Performance Replacement Cables & Cable Repair

## ATLAS COPCO **TENSOR ST** Series

Replacement Cables and Repair Services for ATLAS COPCO part numbers:

**4220 2636 XX / 4220 2757 XX / 4220 3891 XX / 4220 3772 XX**



✓ **3 times longer service life\***

✓ **improved ergonomics\***

✓ **considerably cheaper prices\***

\* compared to conventional DC Tool Cables



## BEIER™ Tensor ST Cable Series: How to use



**Tensor ST Controller**

✓ Plug + Play



**AC-ST-MM**

The Tensor ST Match Maker Adaptor 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.



**ST Nutrunner**



**Replacement cables & repaired cables**

A Plug & Play solution in combination with the Tensor ST Match Maker Adaptor



**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 2636 05 / R	Regular	Straight, non-rotatable
AC - 4220 2636 05 / S	Swivel	Straight, +/- 170° rotatable
AC - 4220 2636 05 / 90S	90° Swivel	90° angled, +/- 170° rotatable
AC - 4220 2636 05 / 120S	120° Swivel	120° angled, +/- 170° rotatable
AC - 4220 2636 05 / RF	Regular Flexi	Straight, non-rotatable, Flexi Cable
AC - 4220 2636 05 / SF	Swivel Flexi	Straight, +/- 170° rotatable, Flexi Cable
AC - 4220 2636 05 / 90SF	90° Swivel Flexi	90° angled, +/- 170° rotatable, Flexi Cable
AC - 4220 2636 05 / 120SF	120° Swivel Flexi	120° angled, +/- 170° rotatable, Flexi Cable

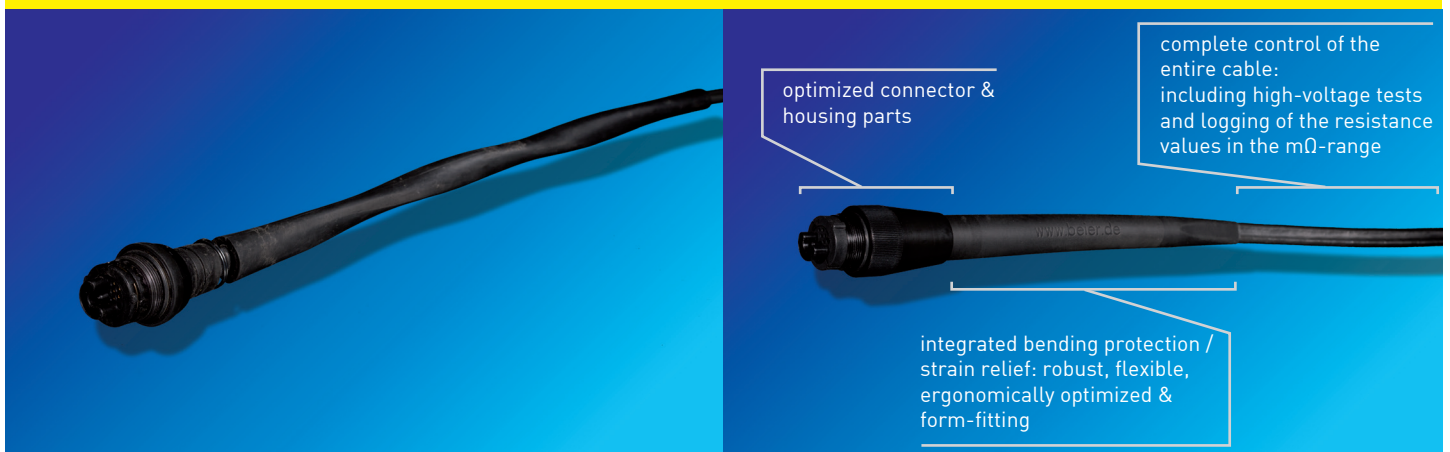
**Note: MATCH MAKER** is required for the use of BEIER™ High Performance Replacement Cables for Tensor ST tools.



# 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
- High-voltage final test with logging of resistance values in the mΩ-range
- Delivery of the **BEIER™ MATCH MAKER Adaptor** at first time repair



damaged OEM Cable **before** repair  
 Cable Type: Atlas Copco Tensor ST  
 Part Number: 4220 2636 05

OEM Cable **after** BEIER™ Repair: repaired and upgraded with optimized connector and housing parts as well as integrated bending protection, Connector Version: Regular

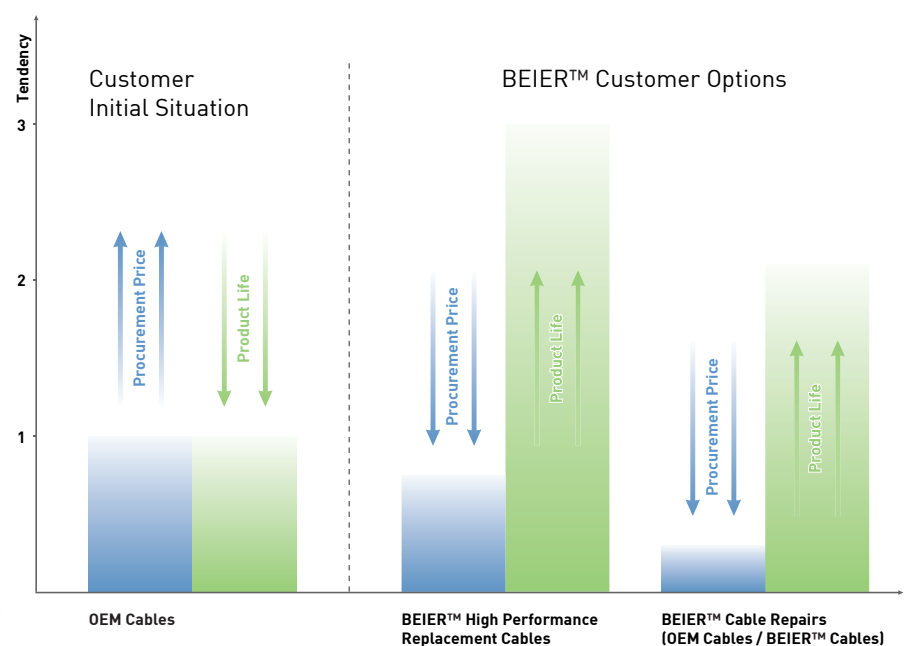
- ✓ reduced operating costs
- ✓ improved quality

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.

The **MATCH MAKER** Adaptor is required for the use of repaired Tensor ST Cables and will be delivered automatically with the first repair.



## Comparison of average price-performance ratio







## BEIER™ Match Maker Adaptor

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

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

The Match Maker adaptor is needed only **once per controller**.

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





## BEIER™ Match Maker: General Information

OEM tool cables (OEM = Original Equipment Manufacturer) of the Tensor ST 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 for the customer, we insert the original circuit board into our BEIER™ Match Maker adaptor.

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

Our delivery cycle appears as follows:

### Removal:

Upon the initial repair or scrapping of the OEM cable, the original circuit board is removed from the connector of the controller side.



### Integration:

The removed original circuit board is inserted into the BEIER™ Match Maker adaptor.

### Application:

In conjunction with the BEIER™ Match Maker adaptor, repaired OEM cables and BEIER™ High Performance Replacement Cables can be used.





## 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™ Match Maker, we only use the original circuit board from the OEM cables. The original circuit board of the Tensor ST series is removed in our facilities during the first time repair or upon scrapping of an OEM cable and inserted into our BEIER™ Match Maker.

## Match Maker: Application of the adaptor

The use of our Match Maker is very easy because it must only be inserted in between 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 Match Maker, wherein the **Match Maker is only needed once per controller**.

The Match Maker 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 Match Maker 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 circuit board of the Tensor ST series is inserted into our Match Maker, we can provide our customers with the following delivery variations:

### Option 1: Delivery of the Match Maker 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 Match Maker 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 Match Maker is free of charge as we will offer you a scrapping discount.

### Option 3: Match Maker Starter Pack

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

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

THE TIME FOR IMPROVEMENT IS NOW.







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