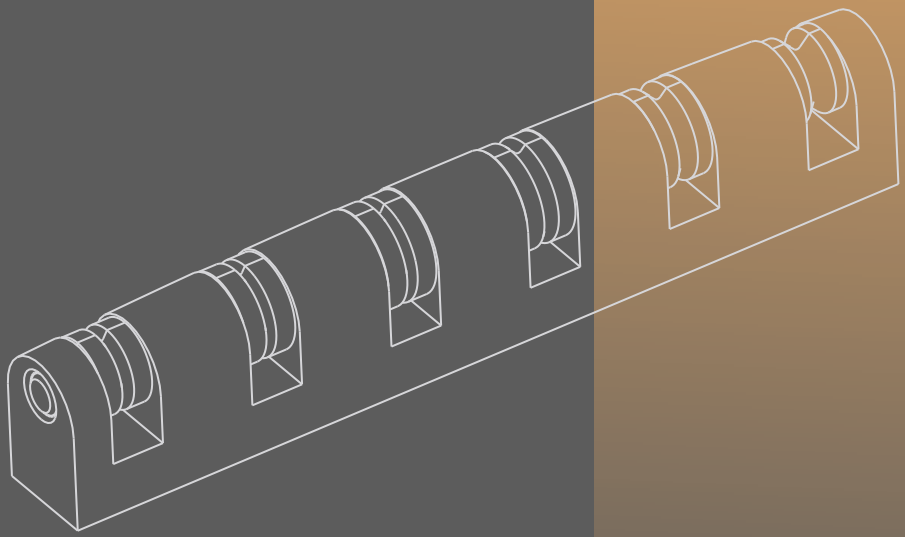
High Quality German Guitar Parts

Roller Nuts

7021
7022



ABM

Guide

Guide

ABM

INTRODUCTION

Welcome to ABM!

We invite you to study our 7020/7021 Roller Nut Guide. Learn more about this great product and its benefits.

If you have any further questions, please do not hesitate to contact us by email: info@abm-guitarparts.de.

The main advantage of the product:

The ABM 7020/21 roller saddles minimize the friction between the strings and their rest on the nut. So the strings can move back and forth freely, especially while using a tremolo system. This prevents the strings from being clamped at the saddle position and greatly improves the tuning stability of the guitar and optimizes the string direction to the machine heads.

Furthermore, our roller nuts are made of Bell Brass, minimizing the loss of sound that occurs when using rollers. Actually you will reach a more open and resonant sound with the ABM 7020/21 roller nuts too.

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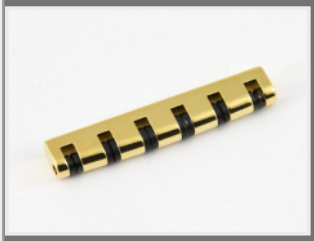

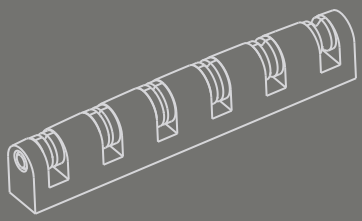

7020 TECHNICAL DATA

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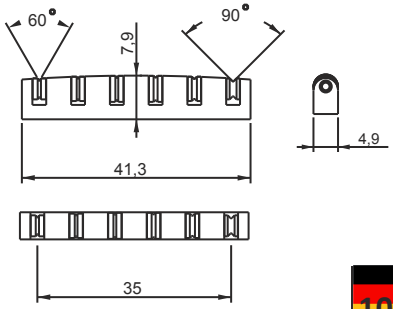

Type:	*Roller nut for Stratocster-Type guitars* *Made for a neck radius of 9,5".*
String-Spacing:	*35mm 1st to 6th string, 7mm string to string (mid to mid).*
Nut Width: *Depth:* *Height:*	*41,3mm* *4,9mm* *Max. 7,9mm*
Finishes:	*c= Chrome, b= Black-Chrome, g= 24 Carat golden plating*
Packing Unit:	*Nut*

7021 TECHNICAL DATA

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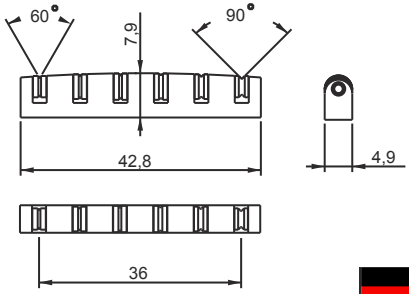

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Type:	Roller nut for Stratocster-Type guitars Made for a neck radius of 12".
String-Spacing:	36mm 1st to 6th string, 7,2mm string to string (mid to mid).
Nut Width: Depth: Height:	42,8mm 4,9mm Max. 7,9mm
Finishes:	c= Chrome, b= Black-Chrome, g= 24 Carat golden plating
Packing Unit:	Nut

7020/21 IMPORTANT INSTRUCTIONS

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Please read the following instructions before installing the roller nut!

Attention: Installing a guitar roller nut requires professional skills of guitar making and woodwork. The ABM warranty does not cover damage made by inexperienced handling and abuse of our products. If you have no experience or feel not secure by installing nuts, please contact a professional luthier. He will install it in an appropriate way giving you years of satisfied guitar playing.

We recommend to use staggered locking machine heads as well. They improve the tuning-stability significant. With standard tuners, the wound up strings can be easily released, especially by using a tremolo. Using staggered locking machine heads also increase the downward angle from the nut to the string rest of the tuner axis and assure a tight string mounting. Our roller nuts are made for string sets with a gauge of .010 to .046.

A universal roller nut cannot provide the same lateral guidance as a notched bone saddle does. This is just important if the string direction from nut to tuner is laterally spread, or the downward string angle to the machine heads is quite low. So, if you are playing guitar with strong bending techniques on the first frets, we recommend to use string retainers between the roller saddle and the machine heads. This action improves the downward string angle to the tuner and prevents the strings from popping out of the rollers. There are a lot of reasonable string retainer in the market, which are also equipped with rollers, in case you will need them.

This action can even solve an issue which can occur if the string pressure on the roller is too low. We use rollers with minimized sideward clearance which is needed to prevent the roller from getting stuck. But if you use strong bending techniques as described above, you possibly may hear a light click which represents the roller touching the nearby sidewall. We are always striving to optimize this situation by further developing of the product.

The installation of a roller nut requires much more know-how than replacing a guitar bridge because the neck has to be adapted to the needed roller saddle dimensions. But Why?

The string support of a standard saddle is located on its edge, which points to the first fret. An ABM roller nut, due to its construction, shows the string rest located in the center of the saddle. Thus, the overall swinging length of the string must be shortened. The saddle string rest position must be offset by 2.45 mm towards the first fret, in order to ensure the correct intonation. According to this, a corresponding cut-out must be produced! To build in the roller saddle perfectly, the depth of the necessary neck cut-out has to be optimized as well. Prior to the planned installation, it must be checked whether the required depth can be achieved without affecting other components (e.g. the truss rod which is located under the fret board).

The bottom of the ABM 7020/7021 can be sanded down about 1 mm at most to create more space. Please use an adhesive which sticks together metal and wood properly. Please ensure that no adhesive is applied to the rollers, the roller axis and the spaces between the saddle and the rollers.

We are looking forward to the successful use of the ABM 7020/7021 roller nuts on your guitar and wish you a lot of fun with the guitar playing!