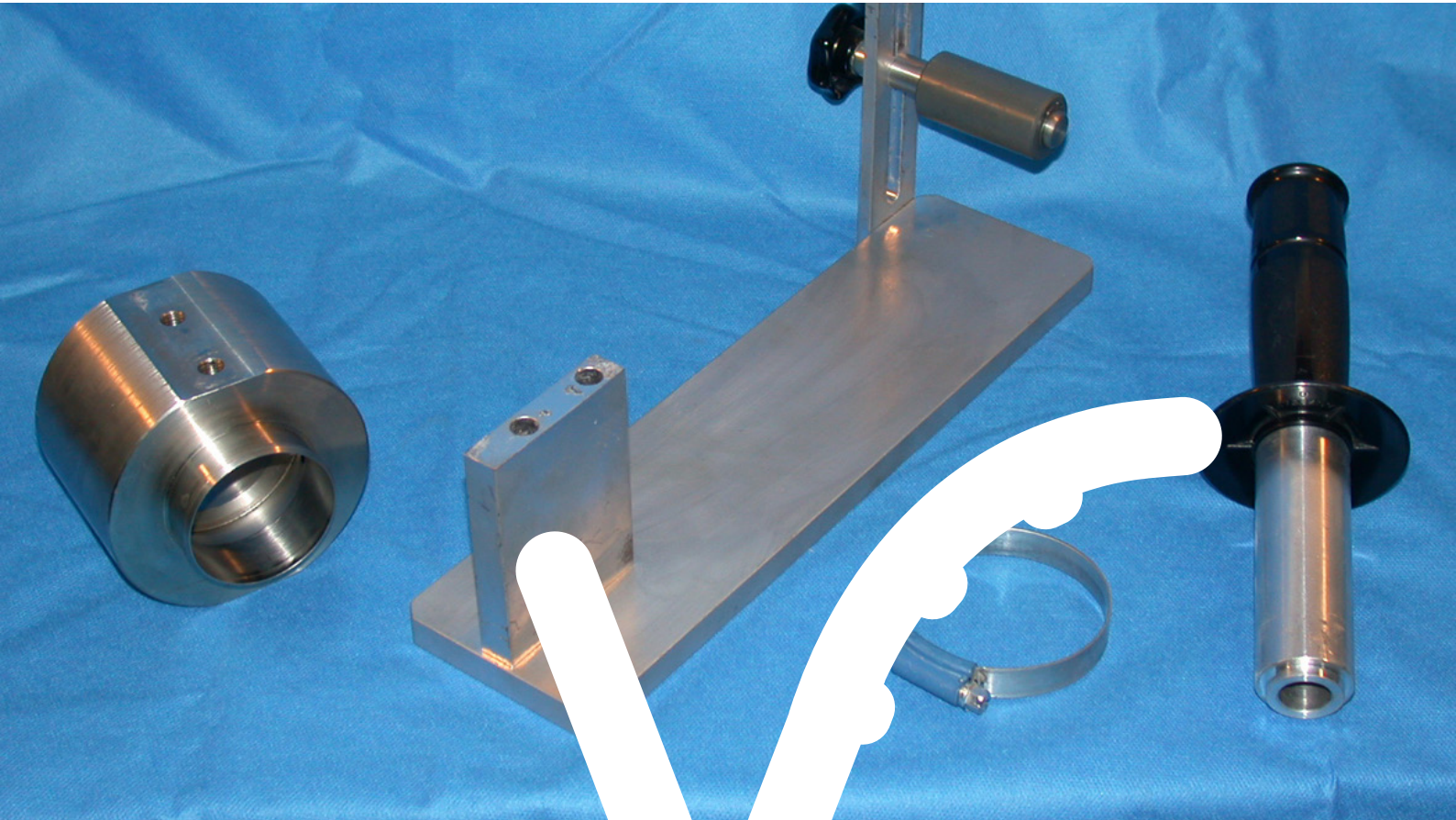




The Next Step in Belting

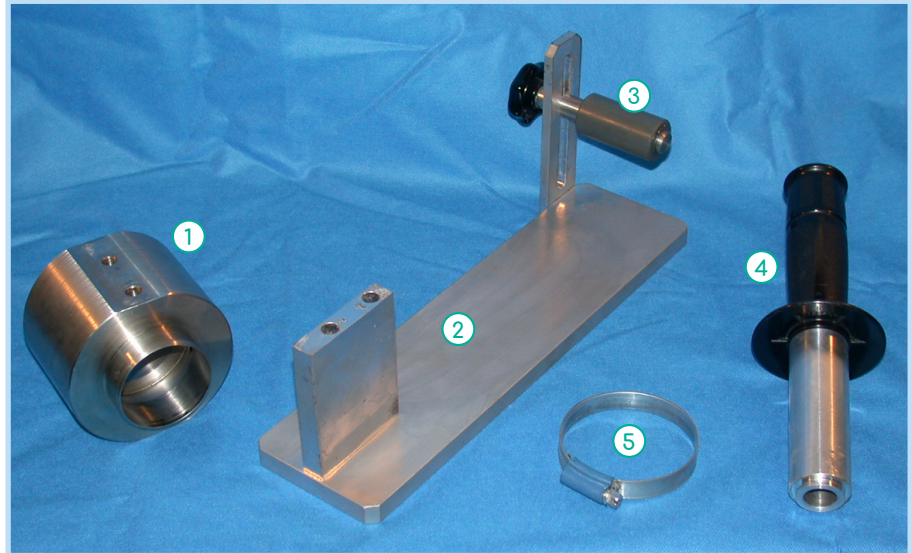


Welding & Fabrication Tools
Sleeve Mounting System
Instruction Manual

VOLTA Sleeve Mounting System

The VOLTA Sleeve Mounting System can be used to mount VOLTA Sleeves on rollers of most lengths found in industry. The VOLTA Sleeve Mounting System is depicted here and consists of:

1. Sleeve Mounting Adapter-designed for use with a specific O.D. sleeve.
2. Sleeve Mounting Jig
3. Roller support
4. Push bar
5. Hose clamp



Note: The Sleeve Mounting Adapter(1) can be mounted in a vice instead of the sleeve jig.

Safety Instructions:

1. The VOLTA Sleeve Mounting System operates using compressed air. One should not stand in the area directly in front of or behind the jig. If the roller is accidentally forced out of the front of the sleeve or the handle is forced backwards, this could result in injury.
2. Ensure that the sleeve has been mounted above the rim of the Adapter and that the hose clamp is tightly secured around the sleeve.
3. The system requires at least 1 bar of pressure to operate. Pressure must **not** exceed 3.5 bar.
4. The air pressure must be adjusted relative to sleeve diameter (higher for larger diameters). Carefully increase the air pressure, adding just sufficient pressure to permit the mounting of the sleeve without undue force.
5. Ensure that the regulator controlling pressure is in good condition and is calibrated.
6. For maximum safety only use handles manufactured by VOLTA Belting Technology Ltd that have pressure release holes as shown above.

Mounting the sleeve

The first step is to cut the sleeve for the roller.
Cut the sleeve approximately 10 cm longer than the roller.

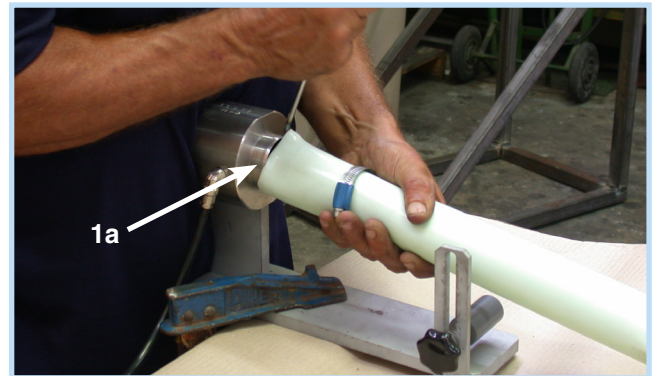


WARNING: Do not attempt to mount the roller in a sleeve that is bent. The sleeve **MUST** be cut to the correct length before attaching to the Mounting Adapter. The system uses air pressure and can force the push bar back out towards the technician possibly causing injury.



Place the hose clamp on the sleeve and mount the sleeve over the lip of the mounting Adapter(1a) using a flathead screwdriver.

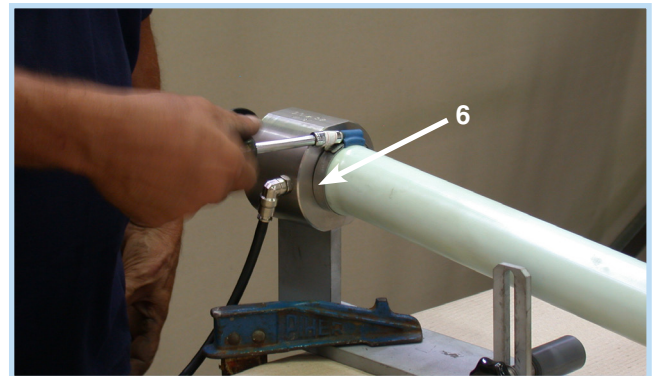
RECOMMENDATION: By placing the end of the sleeve in a cup of hot water for a few seconds the sleeve will soften enough to make this step easier.



Ensure that the sleeve is mounted flush with the body of the mounting adapter. Place the hose clamp (6) next to the mounting Adapter and tighten.

Note: There is a ridge on the mounting Adapter lip. You must tighten the hose clamp enough to grip this lip. If not, the air pressure can cause the sleeve to slide off of the adapter.

Adjust the air pressure regulator to 1 Bar. Make sure that you close the pressure valve (5) before inserting the roller in the adapter.

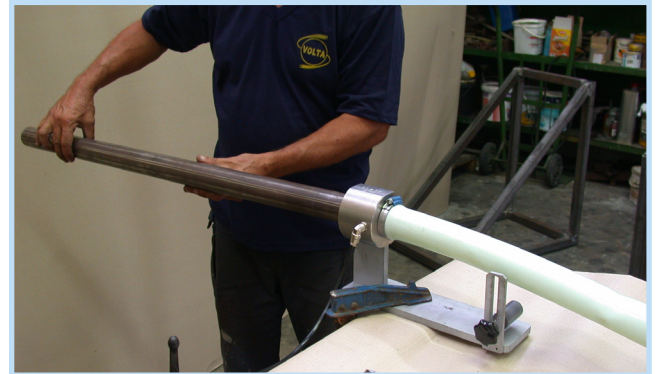


Welding & Fabrication Tools - Sleeve Mounting System

Insert the roller in the mounting adapter. You will feel slight resistance to the roller as it is placed in the jig. This is because of the rubber seal.

Push the roller until it is in contact with the inside of the sleeve. You will feel extreme resistance at this point and the roller cannot be pushed further into the adapter.

Note: It is not necessary to use lubricants when using the VOLTA adapter. At most a light spray of water will make the mounting of long rollers easier.



Adjust the pressure regulator to 1 Bar. Open the air pressure valve (5). Place the push bar (3) on the end of the roller.

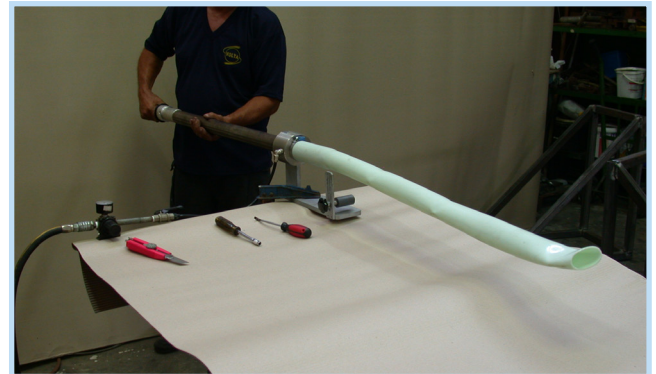
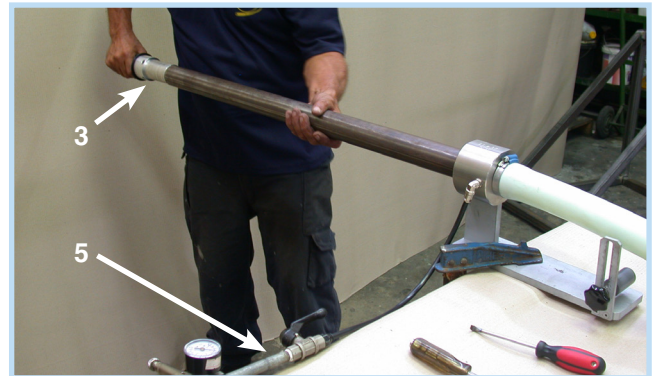
Note: The amount of air pressure necessary to easily mount a sleeve is a function of ambient air pressure, smoothness of roller surface and the strength of the technician. It requires a minimum of 1 Bar of air pressure to mount the sleeve. Never exceed 3.5 Bar of air pressure.



WARNING: If the sleeve develops a bubble at the point of attachment to the Adapter and the roller is difficult to push, stop all actions and check for problems.

Press the push bar forward. The end of the roller inside the sleeve will develop an air cushion between the roller end and the inside of the sleeve.

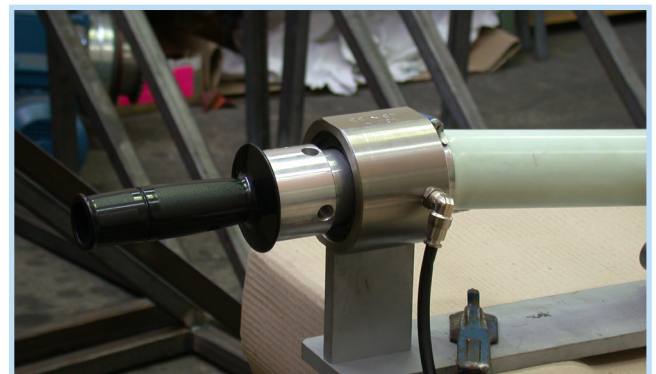
If the sleeve does not slide in smoothly, increase the air pressure slightly.



Continue pushing until the push bar (3) is flush with the mounting adapter.

Note: The push bar has a ridge with holes next to the handle. The holes in this ridge are designed to release air pressure and avoid the possibility of the push bar being forced out of the jig and possibly causing injury or damage.

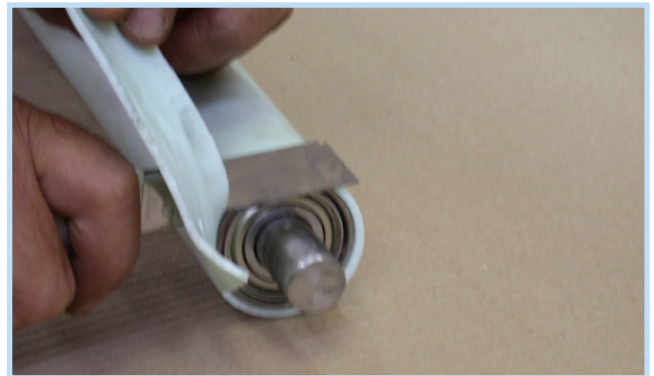
Before releasing the push bar, turn off the air pressure. Pull the push bar out of the mounting adapter.



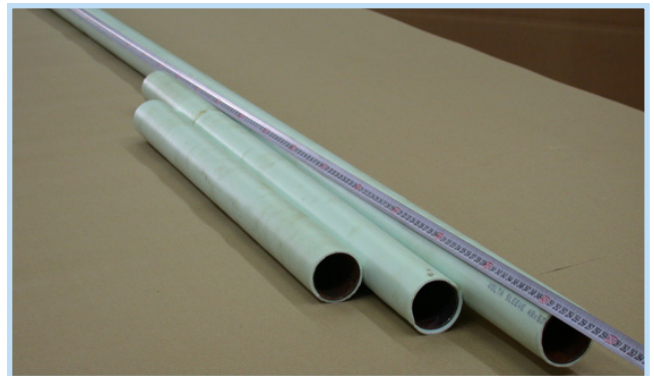
Loosen the hose clamp and pull the covered sleeve off of the mounting adapter.



Trim the excess sleeve material.



The VOLTA Sleeve Mounting System can be used to mount VOLTA Sleeves on rollers of almost any length.



Roller Coating Sleeves

Volta sleeves are made from tubular extrusions with standard thicknesses of 2-3mm (the table below shows the sizes which are defined by inner and outer diameters ID and OD) and are cut to length for coating rollers in situations where a product requires cushioning while moving across a roller bed or conveyor. Applications include potato intakes and ceramic tile lines.

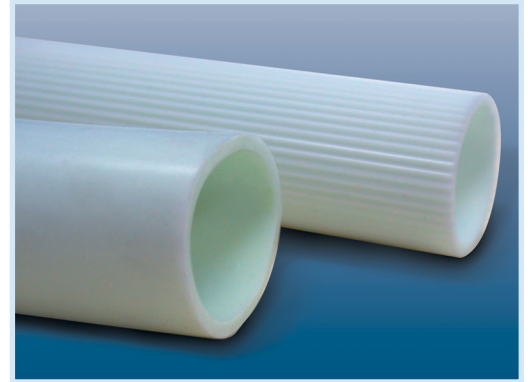
The sleeves are extruded from a food approved (FDA/EU), smooth durable 85A Shore white TPU material to avoid marking products. Some sizes are available with a ribbed outer surface. Once cut to length they can be mounted onto the roller by surface. They can be mounted onto the roller by means of the Volta Sleeve Mounting Tool which uses compressed air to inflate the tube dimension enough to permit the insertion of the roller. Once the air supply is cut off the tube assumes its original diameter and fits tightly over the roller - no adhesive is required.

Nomenclature:

The sleeve designation contains two numbers. The first number is the diameter of the metal roller to be covered. The second number is the desired outside diameter (O.D.) after the sleeve is mounted on the roller. For example, a 50 x 55 sleeve is designed to cover a roller with an outside diameter of 50mm and the outside diameter of the covered roller will be 55mm. This identification system is used for both standard and ribbed sleeves.

Packaging:

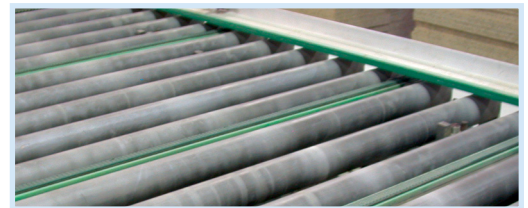
Sleeves up to 50 x 55 mm are in 30m /100 inch rolls.
Sleeves from 60 x 65 mm are supplied as 3m /10 inch tubes.



Standard Smooth Surface Sleeves & Special Ribbed Sleeves



Non-marking surface protects products



Standard Smooth Surface Sleeve Dimensions (mm)						
22x27	30x35	40x45	50x55	60x65	80x85	90x95
25x30	32x37	40x50		63.5x68.5	85x90	
27x32	35x40	42x47		65x73	88.9x94	
	38x43	45x50		73x78		
		48x53		77x82		

Note: Contact your local distributor for further details regarding the dimensions and availability of Ribbed Sleeves.



CORPORATE
HEADQUARTERS
Sales and Manufacturing
sales@voltabelting.com

USA
Tel. +1 973 276 7905
Toll Free. 1-877-VOLTAUS
voltaus@voltabelting.com

EUROPE
Tel. +31 546 580166
voltaeu@voltabelting.com

www.voltabelting.com

Volta Belting makes no warranty with respect to any of its products for a particular purpose. See Volta General Terms and Conditions.

Copyright© Volta Belting Technology Ltd.
CAT700EN00 - Ver.D - August 2020

now-branding.co.il