



**CONVEYOR ROLLERS  
TECHNICAL INFORMATION  
LAGGING**

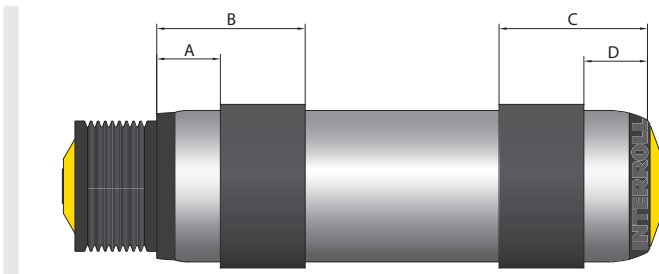
## GENERAL TECHNICAL INFORMATION LAGGING

### Dimensions

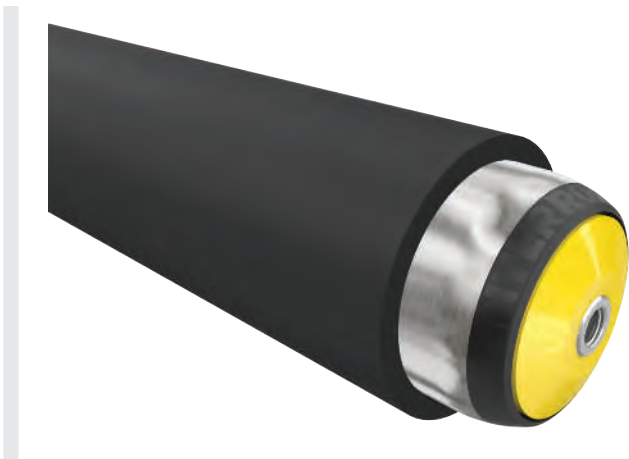
The PU sleeve generally covers the entire tube length. It is possible not to fit sections of the roller with the PU sleeve, e.g. the free space for grooves. A minimum length of 50 mm is required for a firm seating of the sleeve. With existing axial forces, a greater minimum length must be selected.

When ordering a roller with sleeve, always specify the dimensions A to D.

### Split PU sleeve and PolyVee drive head



### Lagging



The lagging ensures a high level of noise reduction and offers a high protection of medium-heavy to heavy conveying goods. An improved conveyance of conveying goods is achieved with the higher coefficient of friction compared with a steel tube. Conveying goods can easily be separated since the larger diameter leads to a higher speed with the same rotational speed. The lagging offers a high robustness under mechanical stress and is very abrasion-proof. Compared to sleeves, that are not connected to the tube, axial forces are also allowed.

### Technical data

General technical data	
Max. reference length of the roller	1350 mm
Temperature range	-30 to +80 °C
Material	
Tube	<ul style="list-style-type: none"> <li>• Uncoated steel</li> <li>• Stainless steel</li> </ul>
Black lagging	<ul style="list-style-type: none"> <li>• Nitrile rubber</li> <li>• Silicone- and halogen-free</li> <li>• Good resistance to alkalis</li> <li>• RoHS-compliant</li> <li>• Not FDA-compliant</li> <li>• Not antistatic</li> <li>• Oil, grease or gasoline-resistant</li> <li>• Not resistant to aromatics</li> <li>• Hardness 65 ± 5 Shore A</li> </ul>
White or blue lagging	<ul style="list-style-type: none"> <li>• Nitrile rubber</li> <li>• Silicone- and halogen-free</li> <li>• Good resistance to alkalis</li> <li>• RoHS-compliant</li> <li>• FDA-compliant</li> <li>• Not antistatic</li> <li>• Oil, grease or gasoline-resistant</li> <li>• Not resistant to aromatics</li> <li>• Hardness 70 ± 5 Shore A</li> </ul>

Tapered RollerDrive cannot be fitted with a lagging.



## GENERAL TECHNICAL INFORMATION LAGGING

### Design versions

For tube diameters 40, 50, 51, 60, 80 and 89, a lagging of 2 to 5 mm thickness in increments of 0.1 mm is possible.

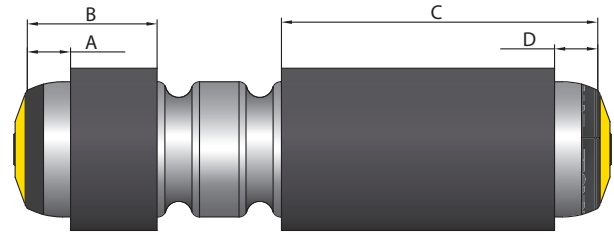
Roller series	Ø Tube [mm]	Bearing housing of drive side/non-drive side	Min. distance of lagging to left/right reference length [mm]
1450	80	Flanged/Flanged	15/15
1450	89	Flanged/Flanged	15/15
1700	40	Flanged/Flanged	16/16
1700	50	Flanged/Flanged	16/16
1700	50	Cylindrical/Cylindrical	6/6
1700	51	Flanged/Flanged	16/16
1700	51	Cylindrical/Cylindrical	6/6
1700	60	Flanged/Flanged	16/16
1700	80	Flanged/Flanged	16/16
1700 heavy	50	Flanged/Flanged	16/16
1700 heavy	51	Flanged/Flanged	16/16
1700 heavy	60	Flanged/Flanged	16/16
3500	40	Cylindrical/Flanged	0/16
3500	50	Flanged/Flanged	21/21
3500	50	Cylindrical/Flanged	6/16
3500	50	Cylindrical/Cylindrical	6/6
RollerDrive	50	Cylindrical/Flanged	6/21
RollerDrive	50	Cylindrical/Cylindrical	6/6

The lagging is applied through hot vulcanization and reground. This creates a high-strength joint of the lagging with the tube, resulting in a surface that is highly resistant to abrasion and very precise. For uncoated steel material, projecting tube sections are protected against corrosion with a black paint coating. For welded drive heads, the tube and drive head remain untreated.

Friction rollers (Series 3800, 3800 light, 3870) can be fitted only with 2-mm lagging.

### Dimensions

#### Stainless steel tube with 2 grooves and split lagging



#### Uncoated steel tube with 1/2" polymer double sprocket head with 14 teeth and lagging

