

OPTIONS

Lagging

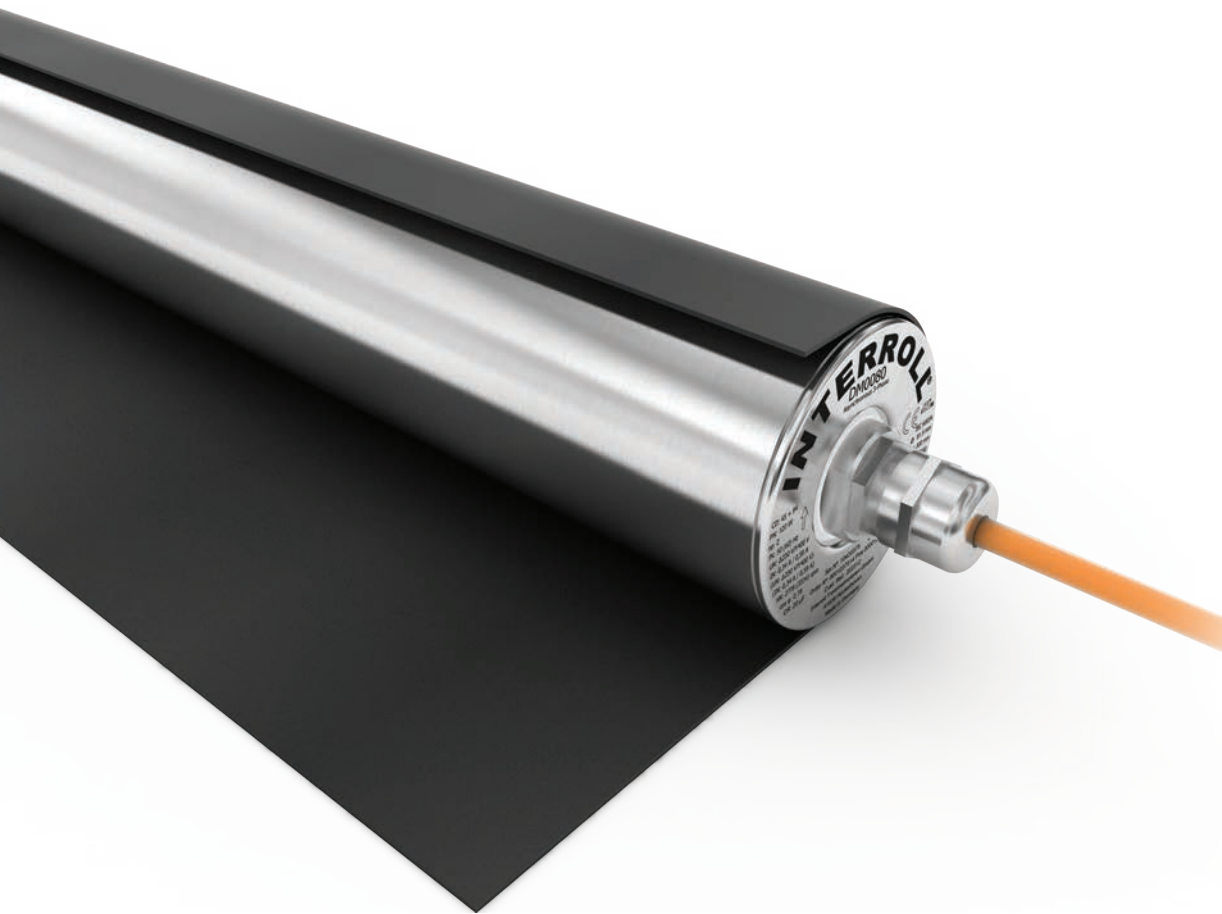
For friction drive belt applications



Hygienic and loadable

A lagging provides an advantage for drum motors, particularly for wet applications and in food processing, with its typical hygienic requirements. A lagging increases the friction between drum motor and conveyor belt, thereby preventing slippage. On top of that, it is resistant to external influences such as oil, fuels, and other chemicals that may be used for cleaning. Depending on the application, different profiles are available: For high volumes of liquid, a longitudinal grooved lagging redirects moisture between belt and motor, a center V-groove ensures precise belt tracking. Laggings are available in cold and hot vulcanization, whereby the latter meets particularly strict hygiene requirements.

Note: It is important to incorporate a calculation of belt pull and speed that is adjusted to the greater outer diameter of the drum motor.



OPTIONS

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For friction drive belt applications

Technical data

Material	Hot or cold vulcanized NBR Other materials on request
Temperature range	−40 to +120 °C
Shore hardness	65 and 70 ± 5 Shore A

Versions

Cold vulcanization

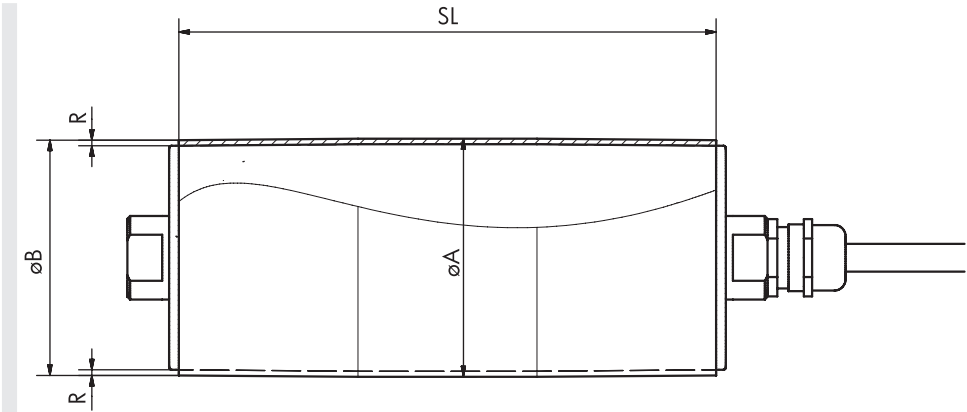
Lagging profile	Color	Features	Shore hardness	Thickness [mm]
Smooth	Black	Oil- and grease-resistant	65 ± 5 Shore A	3; 4
	White	FDA food approved	70 ± 5 Shore A	
Longitudinal grooves	White	FDA food approved	70 ± 5 Shore A	8
Diamond patterned	Black	Oil- and grease-resistant	70 ± 5 Shore A	8

Hot vulcanization

Lagging profile	Color	Features	Shore hardness	Thickness [mm]
Smooth	Black	Oil- and grease-resistant	65 ± 5 Shore A	2; 3; 4; 5; 6; 8; 10; 12; 14; 16
	White/blue	FDA food approved EC1935/2004 approved	70 ± 5 Shore A	
Longitudinal grooves	Black	Oil- and grease-resistant	65 ± 5 Shore A	6; 8; 10; 12; 14; 16
	White/blue	FDA food approved EC1935/2004 approved	70 ± 5 Shore A	
Diamond patterned	Black	Oil- and grease-resistant	65 ± 5 Shore A	6; 8; 10; 12; 14; 16
	White/blue	FDA food approved EC1935/2004 approved	70 ± 5 Shore A	
V-groove	Black	Oil- and grease-resistant	65 ± 5 Shore A	6; 8; 10; 12; 14; 16
	White/blue	FDA food approved EC1935/2004 approved	70 ± 5 Shore A	

Dimensions

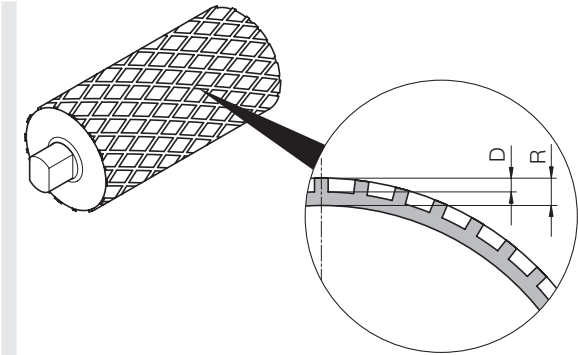
Smooth



The standard cambers of the lagging are available in the following table.

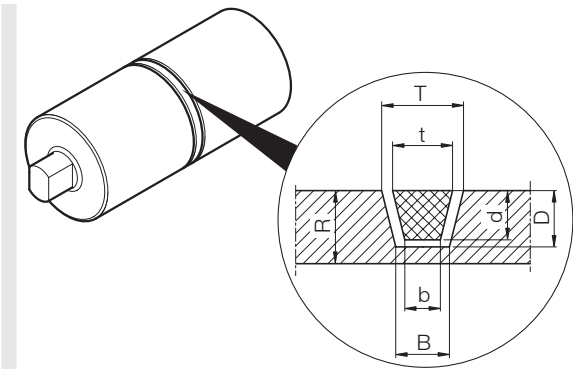
Drum motor	Ø Tube [mm]	Cold vulcanization			Hot vulcanization		
		Min./max. R [mm]	Ø A [mm]	Ø B [mm]	Min./max. R [mm]	Ø A [mm]	Ø B [mm]
DM 0080	81.5	3	87.5	86.5	2	85.5	84.5
		4	89.5	86.5	16	113.5	112.5
DM 0113	113	3	119	118.0	2	117	116.0
		4	121	120.0	16	145	144.0
DM 0138	138	3	144	142.0	2	142	140.0
		4	146	144.0	16	170	168.0

Diamond patterned



D [mm]	R, cold vulcanization [mm]	R, hot vulcanization [mm]
4	8	6, 8, 10, 12, 14, 16

V-groove hot vulcanization



Groove	R Standard [mm]	R Option [mm]	Groove			Belt		
			T [mm]	B [mm]	D [mm]	t [mm]	b [mm]	d [mm]
K6	8	6	10	8	5	6	4	4
K8	8	6	12	8	6	8	5	5
K10	10	8	14	10	7	10	6	6
K13	12	10	17	11	9	13	7.5	8
K15	12	10	19	13	9	15	9.5	8
K17	14	12	21	13	12	17	9.5	11