

# DM SERIES

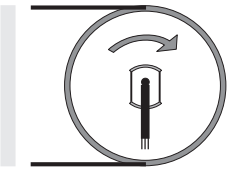
## OPTIONS AND ACCESSORIES

### BACKSTOPS AND BALANCING

#### Backstops and balancing

##### Backstops

Backstops prevent a run-back of the belt and load when the power supply is off. Since such a stop is installed directly at the rotor shaft and operates mechanically, no electrical connection is required: The bearing runs only in one direction. This principle achieves a higher holding torque than an electromagnetic brake does.



**Note:** Backstops are available only for asynchronous drum motors.

Rotational direction looking from the connector side: Available for clockwise (standard) or counterclockwise direction.

##### Balancing

In principle, static or dynamic balancing can be applied - depending on requirement or motor type. The goal in each case is to reduce vibrations and out-of-balance running for sensitive high speed or dynamic weighing applications. Static balancing is applied to the drum motor shell only; therefore the result must be tested for each application. Dynamic balancing, on the other hand, includes the drum motor rotor, shell and end housings, thus meeting a balancing grade of G2.5.

Any external modification, such as fixtures, laggings or sprockets, has an impact on the imbalance.

##### Technical data for dynamic balancing

<b>End housing</b>	Stainless steel
<b>Rubber lagging material</b>	Only hot vulcanized NBR and PU may be used
<b>Max. balancing length</b>	FW ≤ 800 mm