

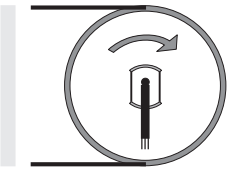
DM SERIES OPTIONS AND ACCESSORIES BACKSTOPS AND BALANCING

For drum motors and idler pulleys

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

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