

## Balancing

### Product Description

Static or dynamic balancing of the drum motor reduces vibration and out of balance running for sensitive high speed or dynamic weighing applications. Static balancing is applied to the drum motor shell only and the effective result must be tested for each application. Dynamic balancing includes the drum motor rotor, shell and end housings and the effective balance is given in the table below.

- ✓ High-speed conveyors
- ✓ Weighing equipment
- ✓ Dynamic Balancing only for i-Series
- ✓ Not for AC-PM synchronous motors

### Applications

**Note:** Any external modifications, like fixtures or lagging, have an impact on the imbalance.

**Note:** For dynamic balancing please choose only i-series drum motors with stainless steel end housings.

**Note:** For S-series drum motors only static balancing is possible.

### Technical Data

Dynamic balancing	3 g, 5 g, 8 g, 10 g
Tolerance	±2 g
End housing	Solid stainless steel
Shell lagging material	Only hot vulcanised NBR may be used

**Note:** Max. balancing length  $SL \leq 800$  mm.