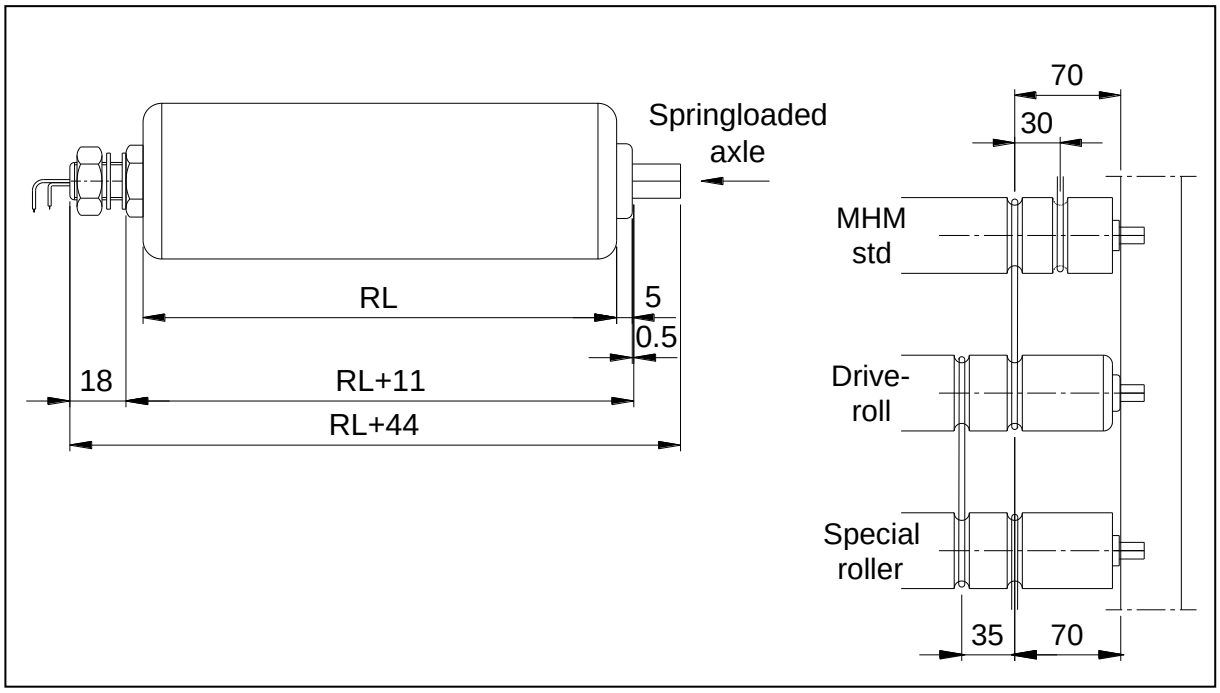
AX100 – Drive roll, 24 V_{DC} Type DRO



Area of usage:

Driving of shorter roller conveyor. Fixed drive.

Technical data:

Effect:	43 W at 24 V_{DC}.
Voltage:	Nominal 24 V_{DC} - min 16 V_{DC}, max 28 V_{DC}.
Current:	1.8 A.
Sealing class:	IP54 (IP66 on request).
Speed:	9, 12, 15 and 20 m/min.
Roller length:	300, 400, 500, 600, 700, 800 and 900 mm.
Roller type:	Ø50x1.5 mm.
Roller weight:	1.5 kg (RL=300 mm) + 0.2 kg/100 mm.
Static load capacity:	Max 50 kg.
Power:	Max 420 N at 6 slave driven rollers (3 on each side).
Driven conveyor length:	As max 6 rollers (3 on each side) should be slave driven by a drive roll the length is dependent of the roller pitch, see table below.
Temperature:	+5°C - +40°C. (-28°C - 0°C on request).

Surface treatment:

Zink plated tube.

Roller pitch [mm]	52	78	104	130	156	208
Max driven conveyor length [mm]	312	468	624	780	936	1248

Material Handling Modules AB
Österlenvägen 280
S-270 21 Glemmingebro
Tel. + 46 411 55 89 80
Fax.+ 46 411 52 27 70
info@mhmodules.com
www.mhmodules.com
VAT: SE556490745801

AX100 – Drive roll, 24 V_{DC} Type DRO

Other:

Drive roll must be protected with fuse before taking into operation.

For speed regulation must some form of voltage regulating equipment be used. The speed is voltage dependent and in some extent load dependent. The load effects the speed relatively little. See Voltage - Load diagram for the different speeds on next page.

The transport speed should agree well with connecting conveyors. When breaking the drive roll works as a generator. Regulating equipment that is not protected can then take damage.

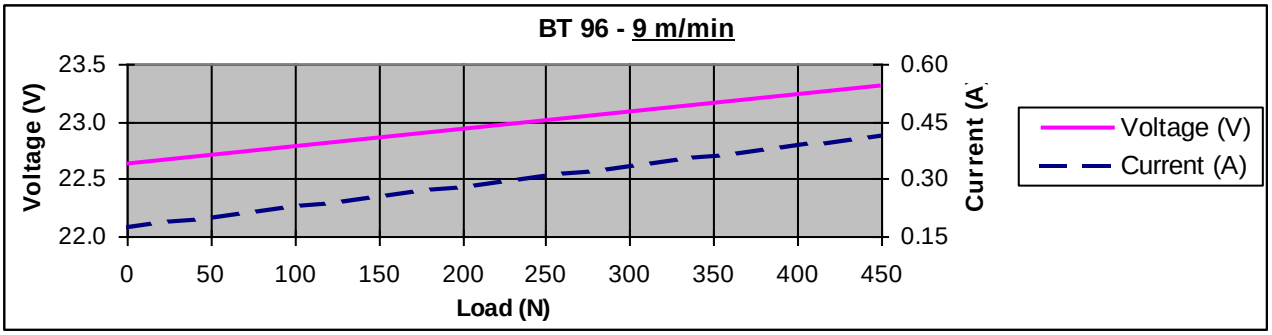
Drive roll should not be driven continuously.

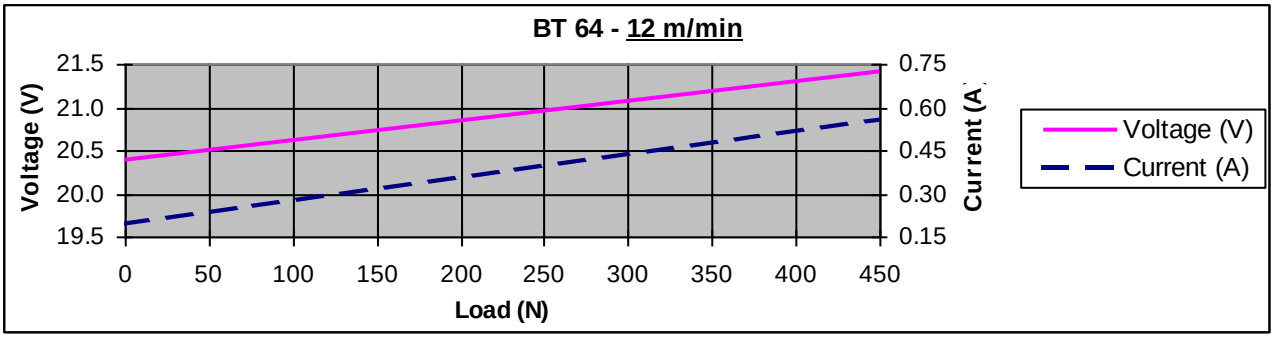
A drive roll with two tracks does not have both tracks placed as MHModules standard roll with two tracks. If a drive roll is mounted in an existing roller conveyor should it be considered that a special roll that is needed. See picture on previous page.

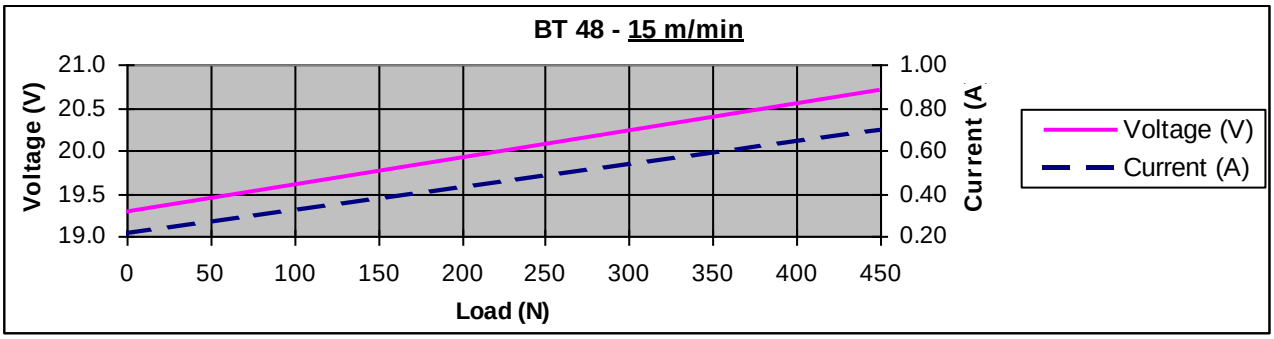
Material Handling Modules AB
Österlenvägen 280
S-270 21 Glemmingebro
Tel. + 46 411 55 89 80
Fax.+ 46 411 52 27 70
info@mhmodules.com
www.mhmodules.com
VAT: SE556490745801

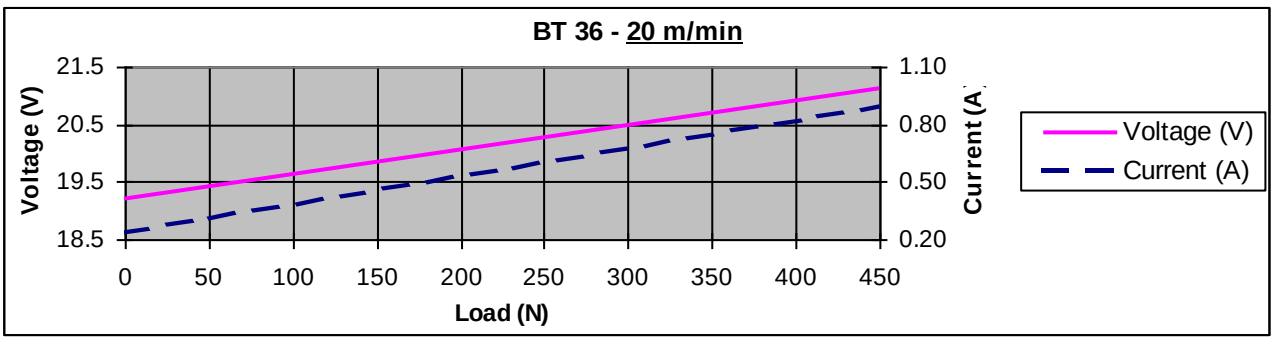
AX100 – Drive roll, 24 V_{DC} Type DRO

Voltage – Load graphs:









Material Handling Modules AB
Österlenvägen 280
S-270 21 Glemmingebro
Tel. + 46 411 55 89 80
Fax.+ 46 411 52 27 70
info@mhmodules.com
www.mhmodules.com
VAT: SE556490745801