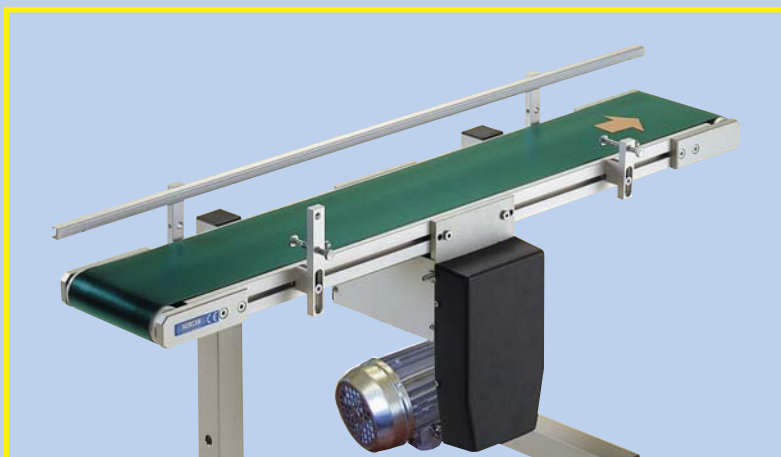


Modular Beltline

Modular Belt Conveyor System



NORCAN

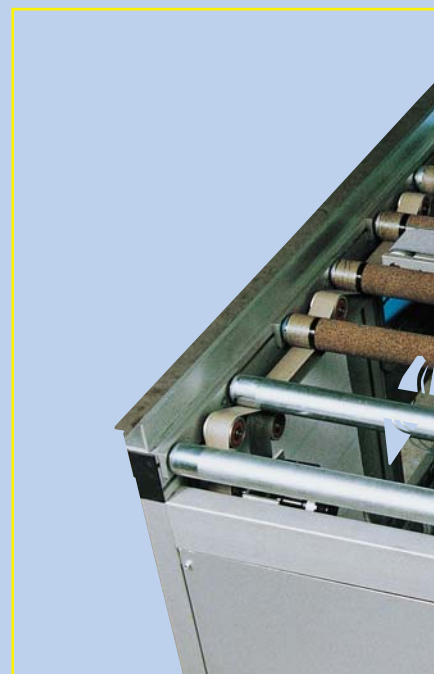
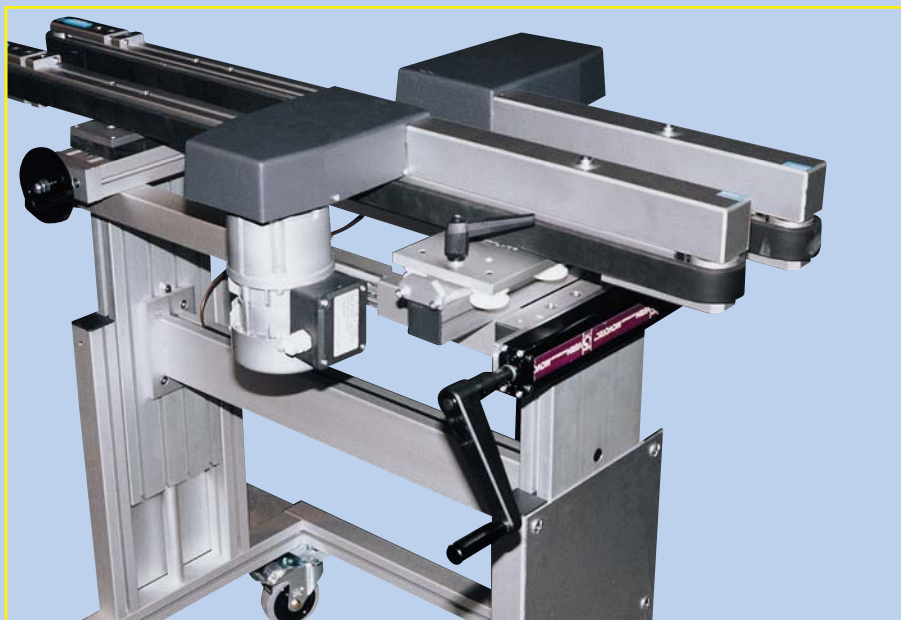
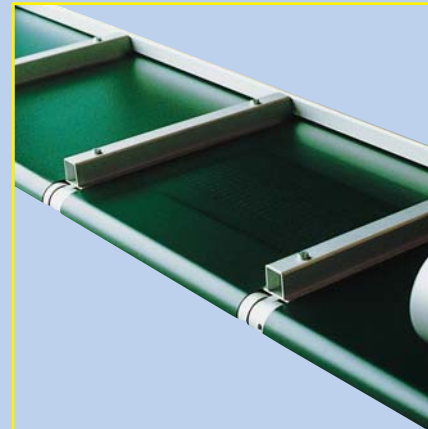
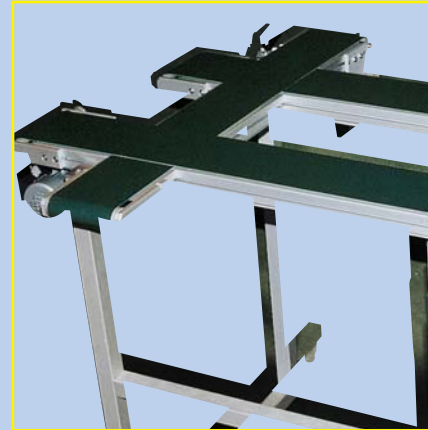
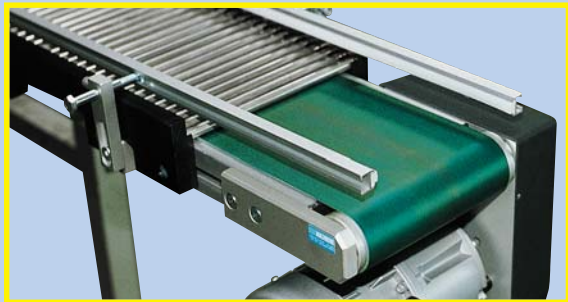
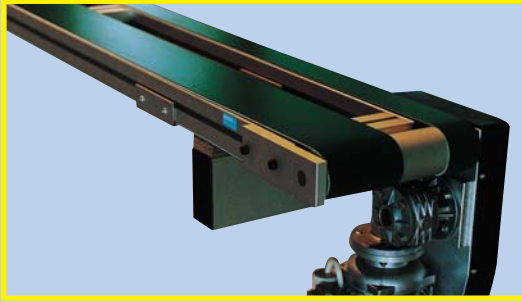


MRS

Modular Robotic Systems Ltd, Kirkless Industrial Estate, Cale Lane, Wigan, WN2 1HQ, U.K.

Telephone: 01942 820088 Facsimile: 01942 820431

EEmail: sales@modular-ltd.co.uk Web: www.modular-ltd.co.uk

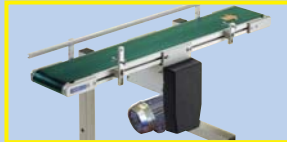


General technical information.....4

CB5010 Conveyor with end drive.....5



CB5020 Conveyor with central drive.....6



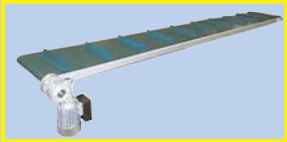
CB7600 Conveyor with drum roller drive.....7



CB 5030 Conveyor for axial drive.....8



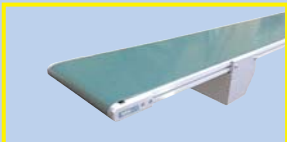
CB 5060 Conveyor with direct end drive.....9



CB 5070 Conveyor with direct central drive.....10



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CB 5610 Conveyor with modular linked synthetic belt.....12



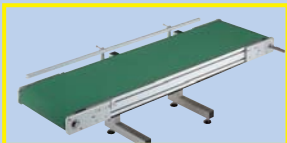
CB 5040 Conveyor with offset drive.....13



CB2000 Conveyor with central drive and 20mm diameter rollers.....14



CB9500 Conveyors for axial drive with 95mm diameter rollers.....15



Accessories

Frames.....16	Slider beds..... 16
Belts..... 17	Motors..... 17
Lateral guides.....18	Stands..... 18
Quote request.....19	

Our made to measure conveyors, up to 700mm wide and 10m in length are constructed from standard anodised aluminium profiles. All our conveyors are low maintenance and have a load capacity of up to 80Kg, dependant on speed requirements.

All our profiles accept standard M8 nuts making the addition of accessories such as photocells and emergency stops simplicity itself.

We can also provide fully integrated solutions, utilising the Norcan system, with short lead times at an economical price.

Roller Sizes

All rollers are crowned to ensure accurate tracking and are available in the following sizes;

CB50xx 50mm diameter, our standard product and suitable for most applications.

CB20xx 20mm diameter, for use when access height is limited.

CB76xx 76mm diameter, with motorised roller.

CB95xx 95mm diameter, for heavier duty applications.

Drive Types

End drive Our standard drive. The motor is mounted neatly underneath the conveyor.

Axial drive The most economical method where there is space for mounting the motor.

Centre drive Useful where there is limited access to the end of the conveyor. The motor can be positioned anywhere along the conveyor.

Offset drive A more economical version of the centre drive. The motor is, however fixed in relation to the conveyor end.

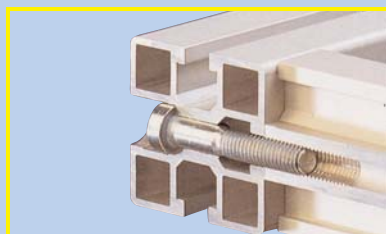
Drum roller drive The motor is built into the roller and thus provides a compact drive assembly.

Order Example

CB5010 — 1000 — 300 — M 2 — S 15.7 — I 1
 Model Overall length L Belt width Motor position Belt speed m/min With inverter=1

B 1 GR

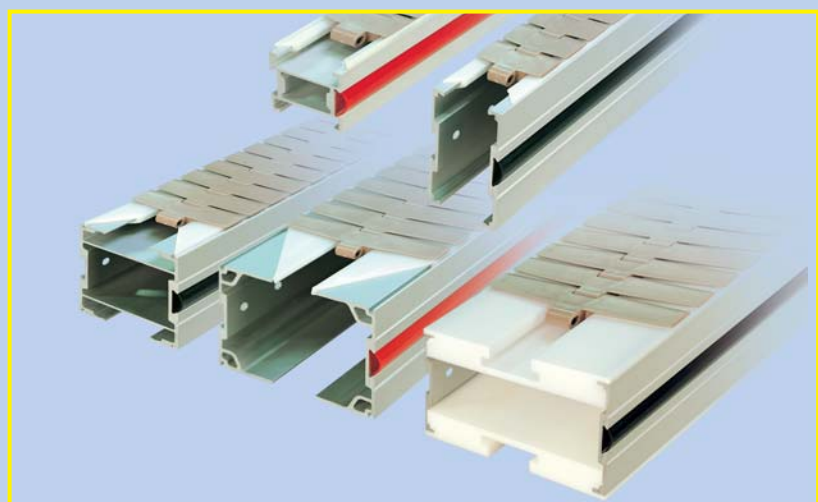
Belt Type and colour: GR=green, BL=Black, WH=White.



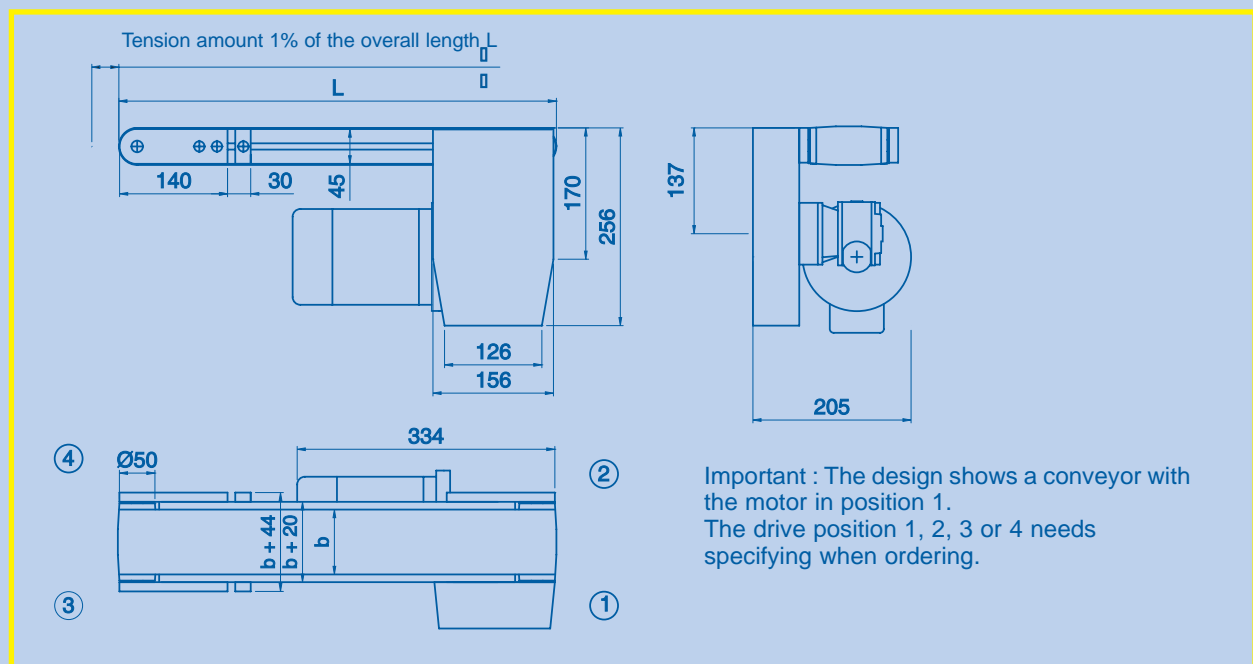
Norcan Profile

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



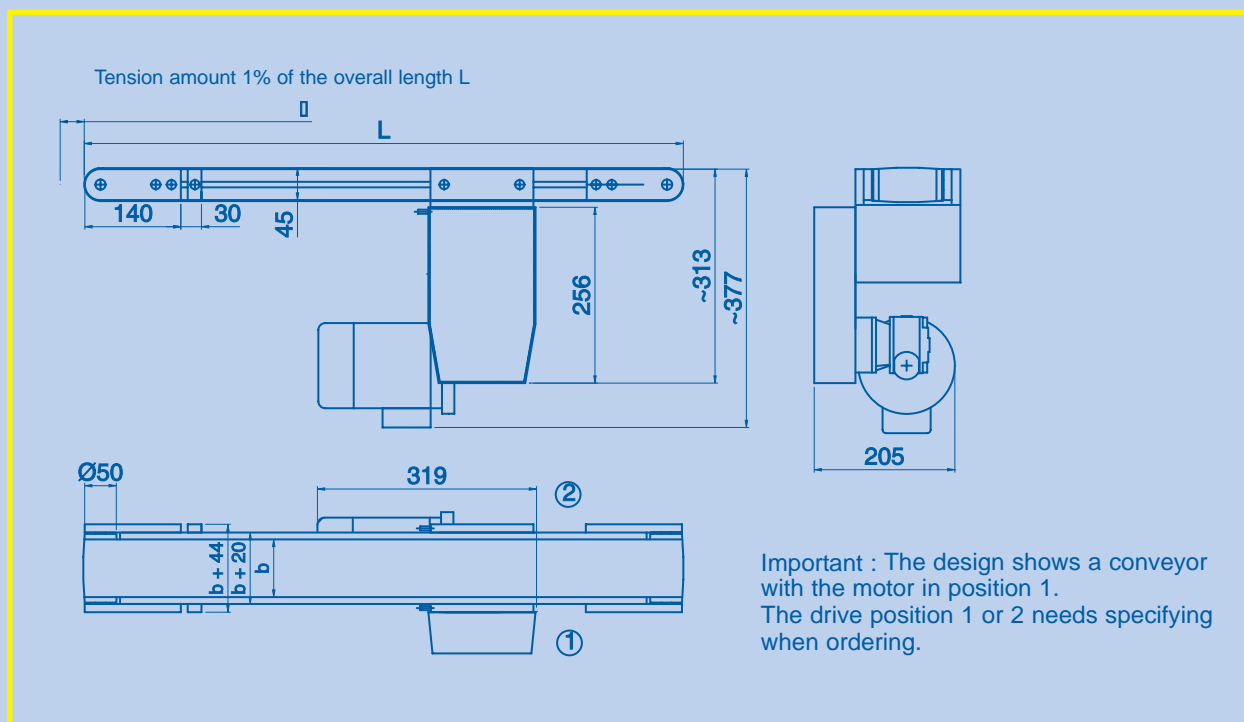
Roburline conveyor modules



This conveyor is our standard and features 50mm diameter rollers.
The drive is fixed at one end of the conveyor in any of the four positions shown above.

Accessories

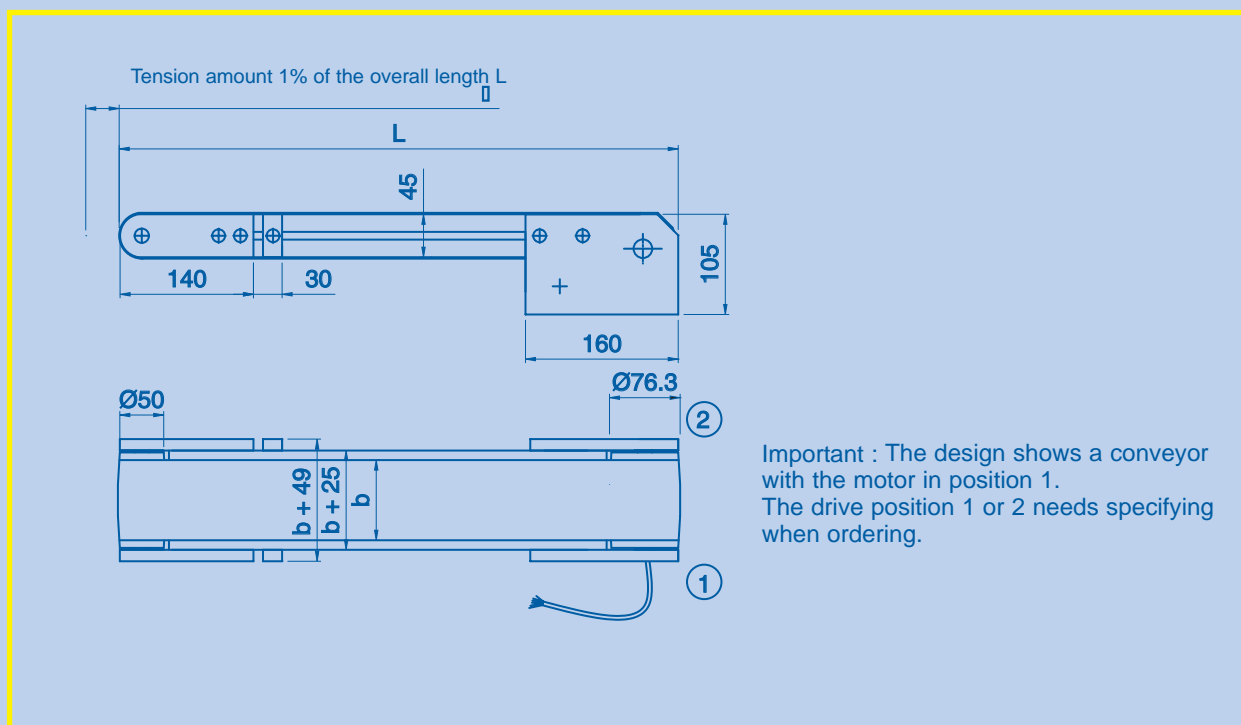
Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



This conveyor features a central drive and tensioning unit. The drive unit can be positioned anywhere along the conveyor.

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



This conveyor features a roller with an in-built motor. It provides a neat, compact drive arrangement.

Technical information

Speed m/min	Load max (Kg)	Length max (m)
5.1	40	4
6.9	30	3
10.2	20	3
20.9	15	2

Belt widths

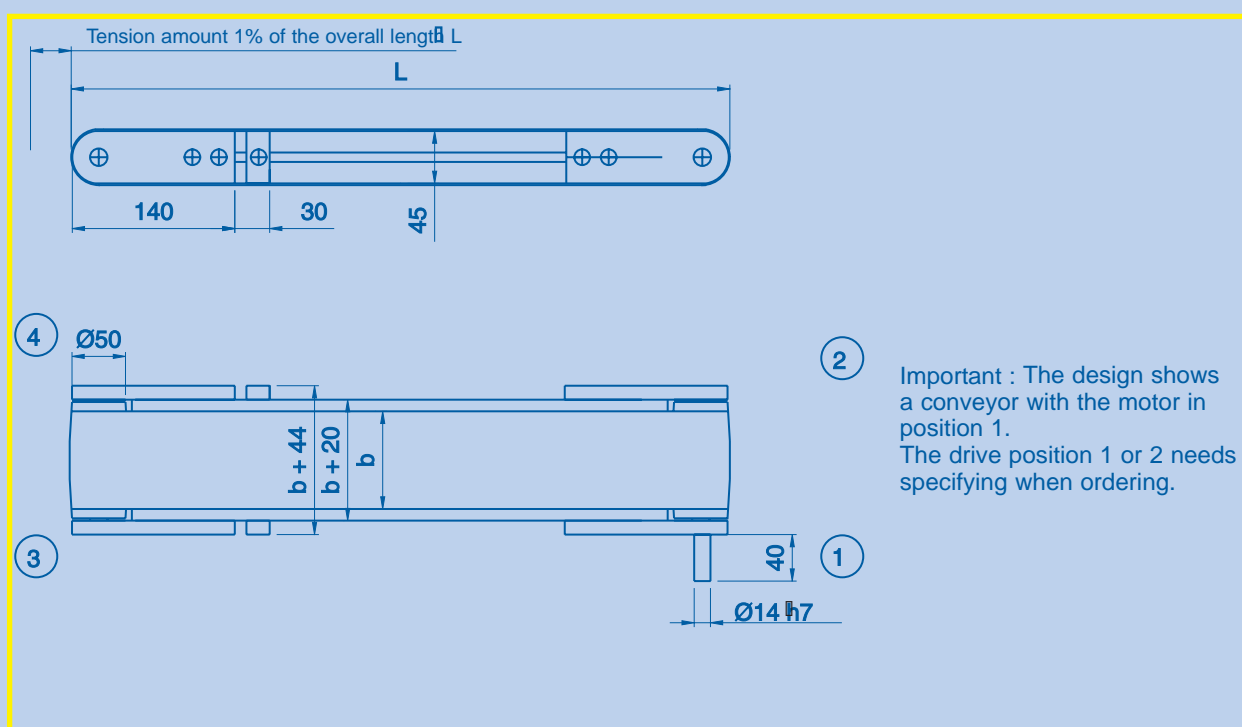
250, 300, 400, 500, 600, 800 mm

Electrical information

Supply voltage	415V/3ph
Supply frequency	50 Hz
Current	0.11A
Protection	IP 55
Speed range	30-60 Hz

Accessories

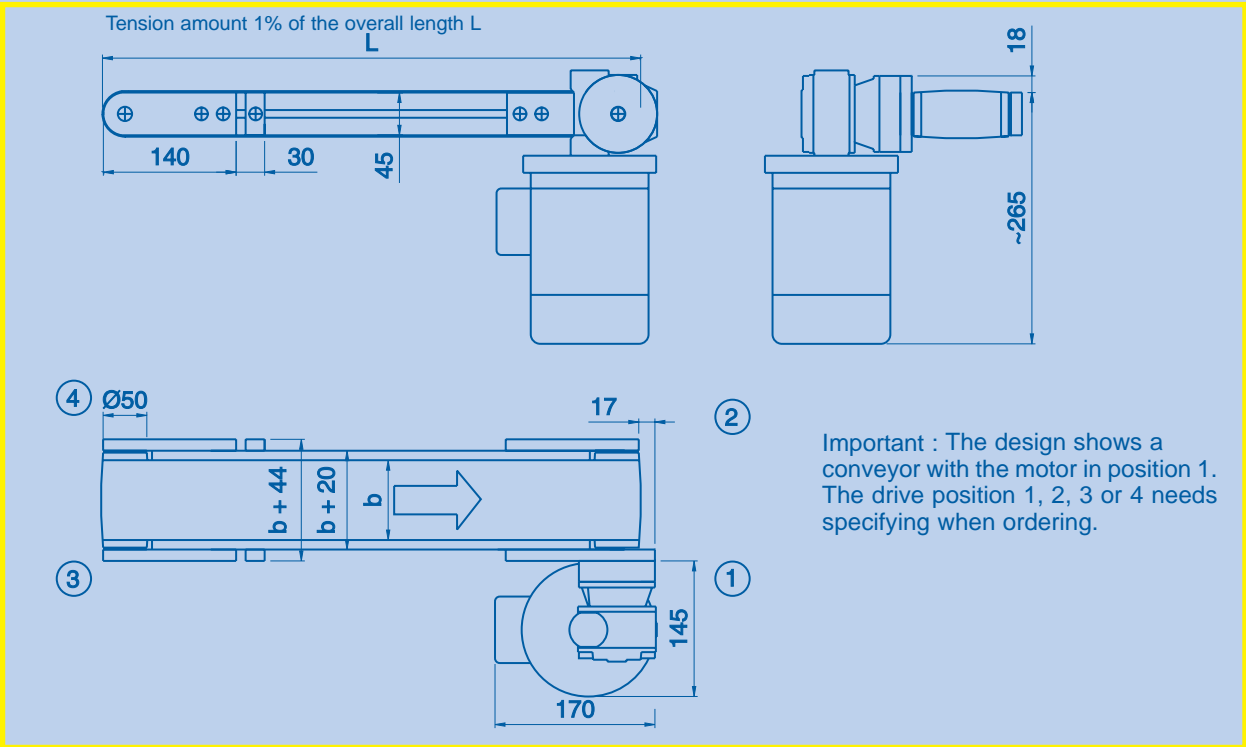
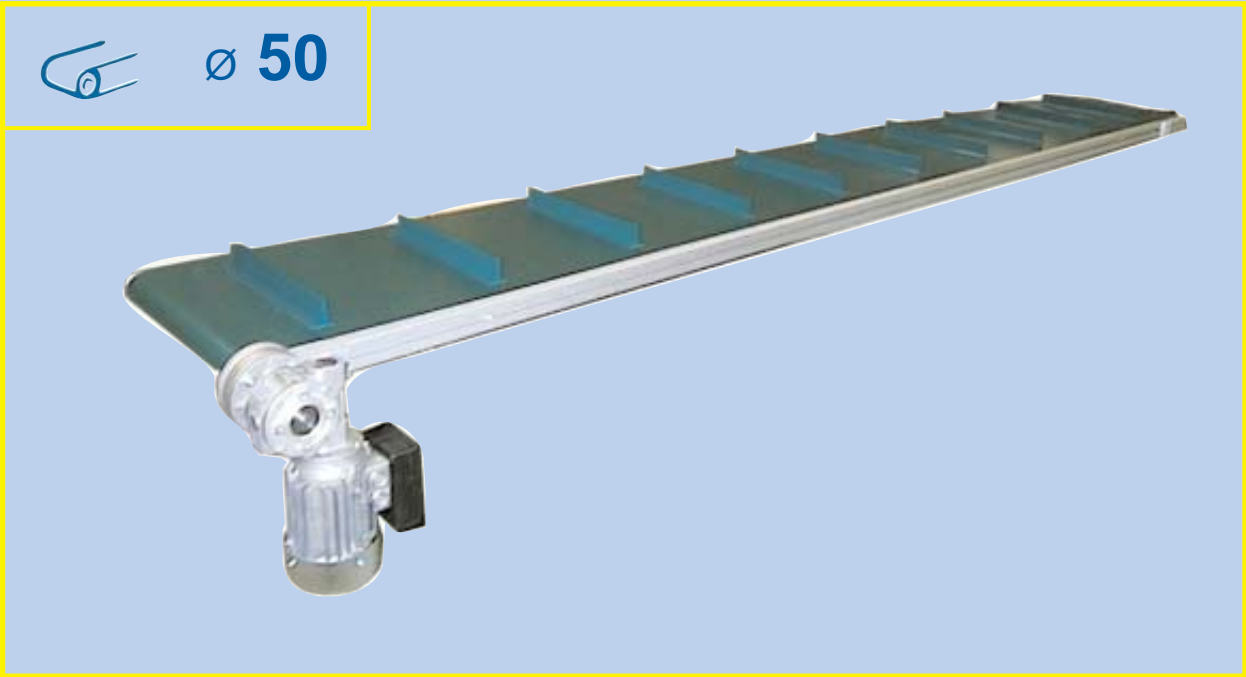
Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



This conveyor features a central drive and tensioning unit. The drive unit can be positioned anywhere along the conveyor.

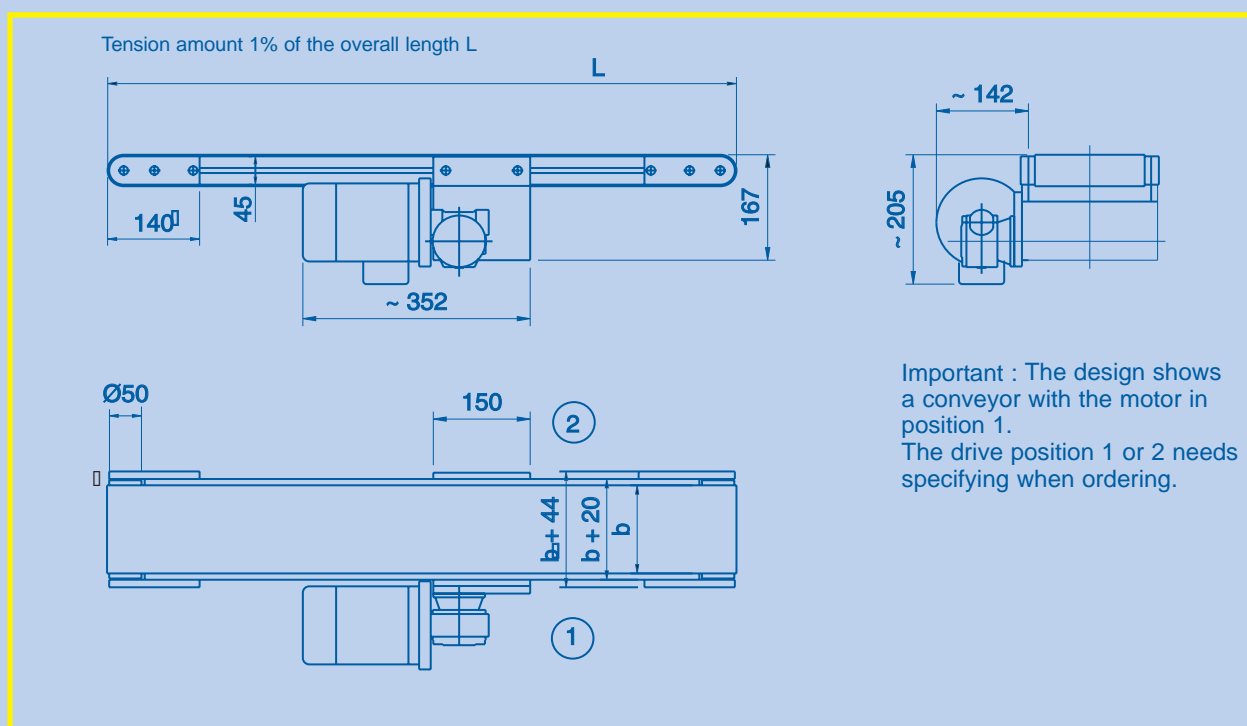
Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



This conveyor is fitted with a roller whose shaft plugs directly into the gearbox of the motor. This arrangement is very economical. As an option we can provide drive shafts on both sides to allow a number of conveyors to be driven together.

Accessories	
Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

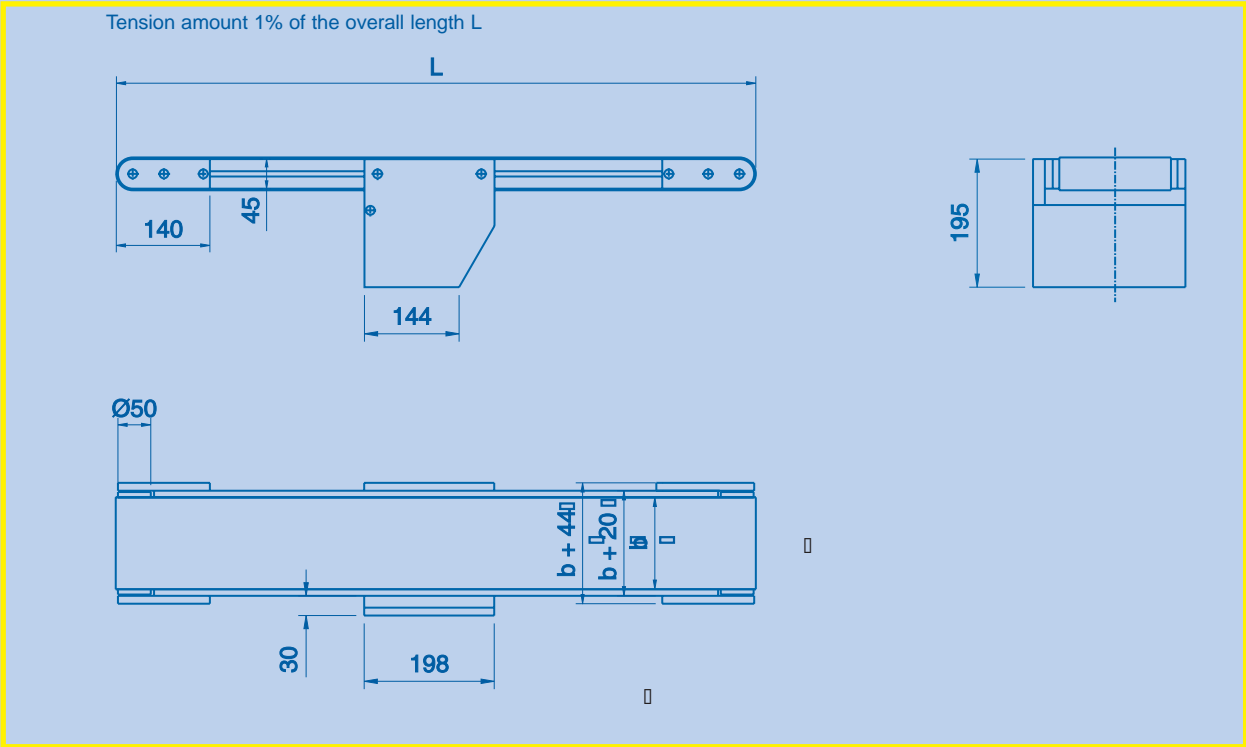
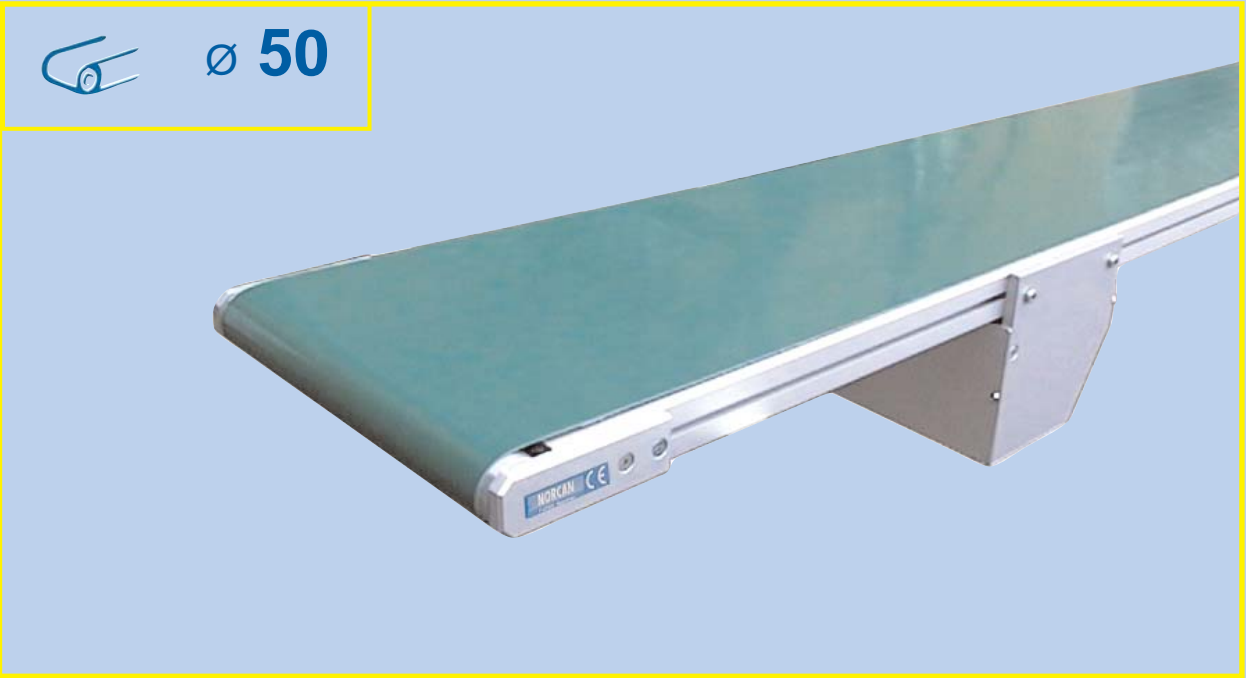


This conveyor features a shaft whose roller plugs directly into the gearbox of the motor. This provides an economic realisation of a centrally driven conveyor.

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

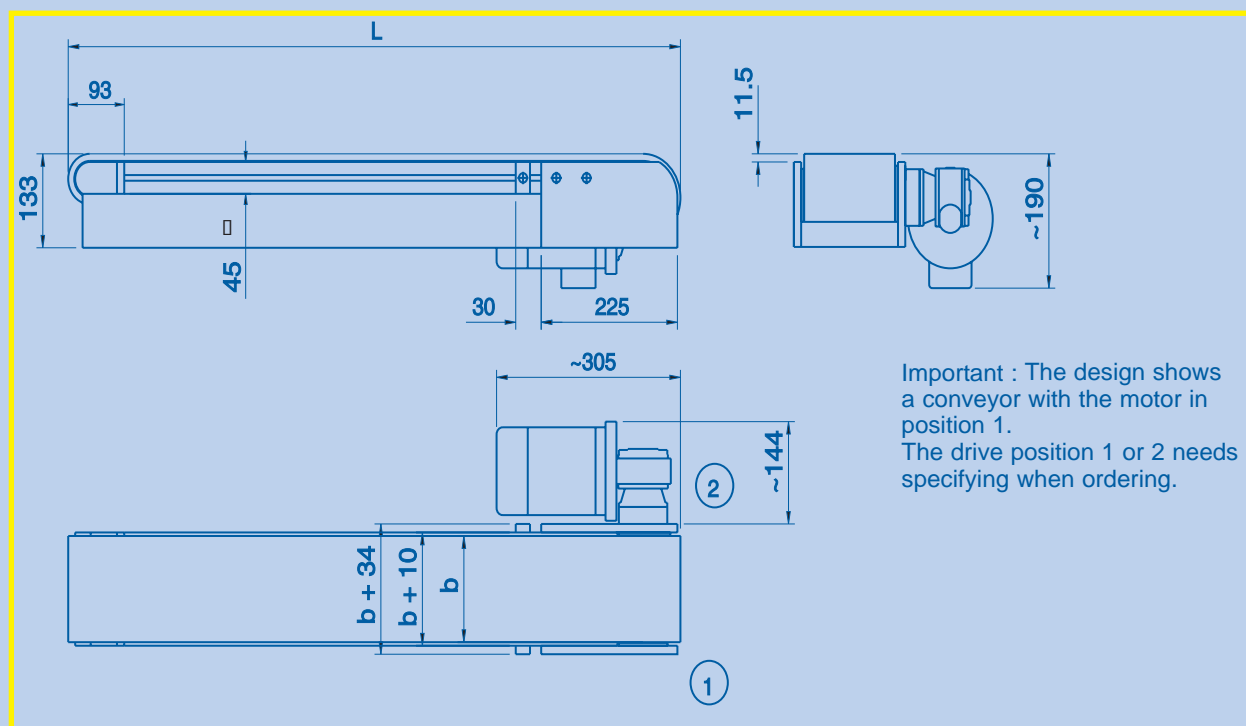
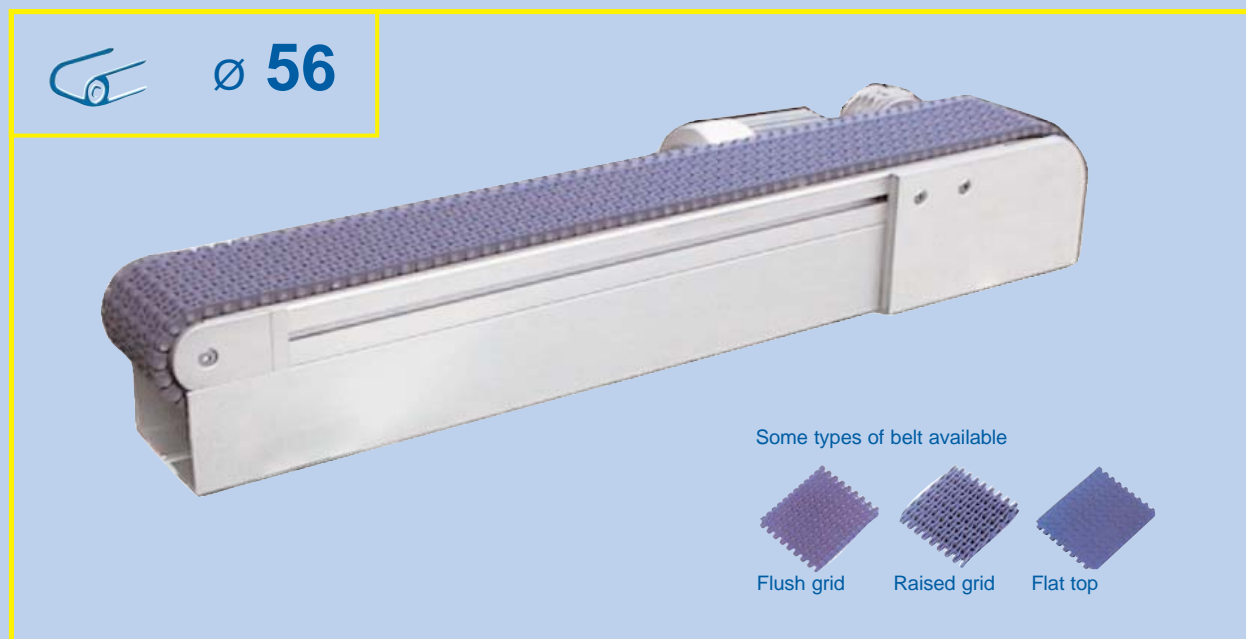
CB 5080 Conveyor with integral central drive motor



This coveyor features an integral motor.
The motor is protected by an outer cover and the central drive can be positioned anywhere along the belt.

Accessories	
Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

CB 5610 Conveyor with modular linked synthetic belt



This conveyor features a modular, synthetic, belt driven directly from a sprocket. This provides a continuous, even surface with a low coefficient of friction making it ideal for product transfers. The belt has high abrasion resistance and it can be fitted with flites for incline work. Knife edge transfers are available as an option.

Accessories

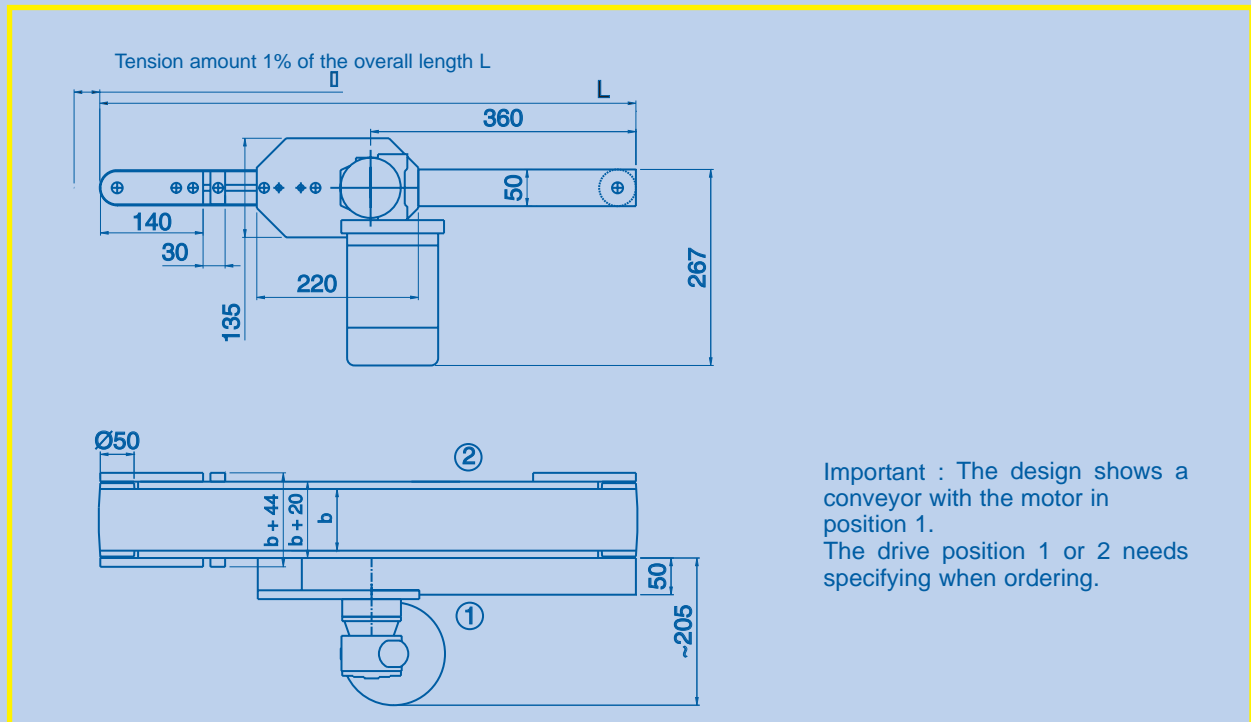
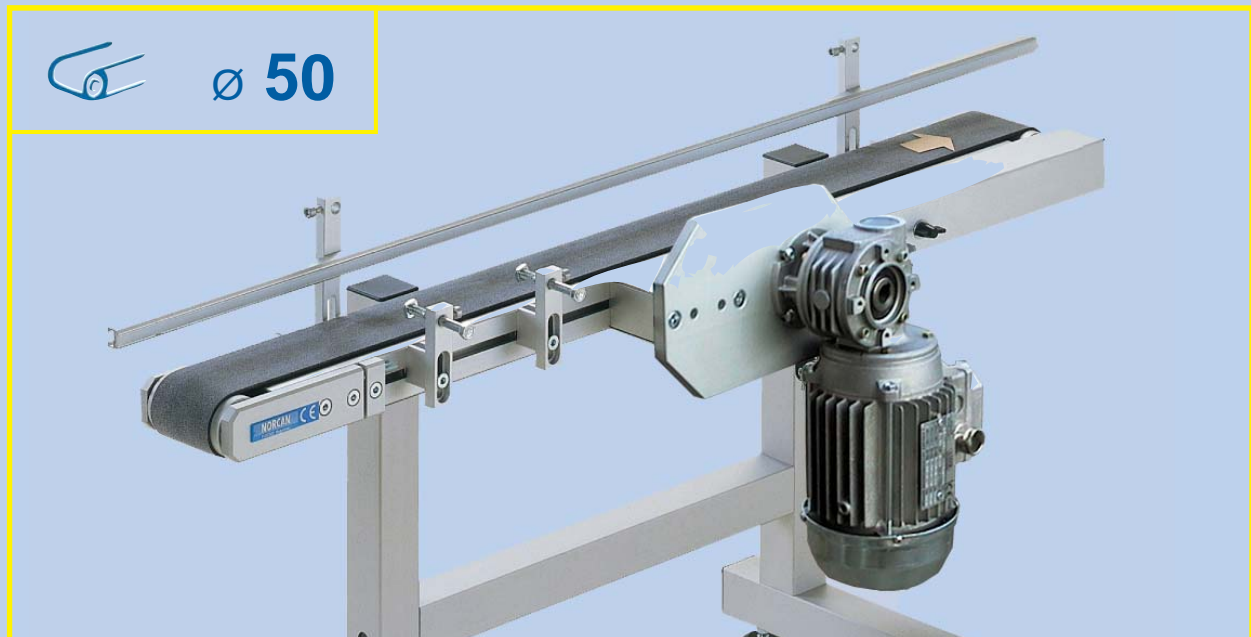
Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

Belt widths

Available in 50mm increments from 150mm upwards.

Technical information

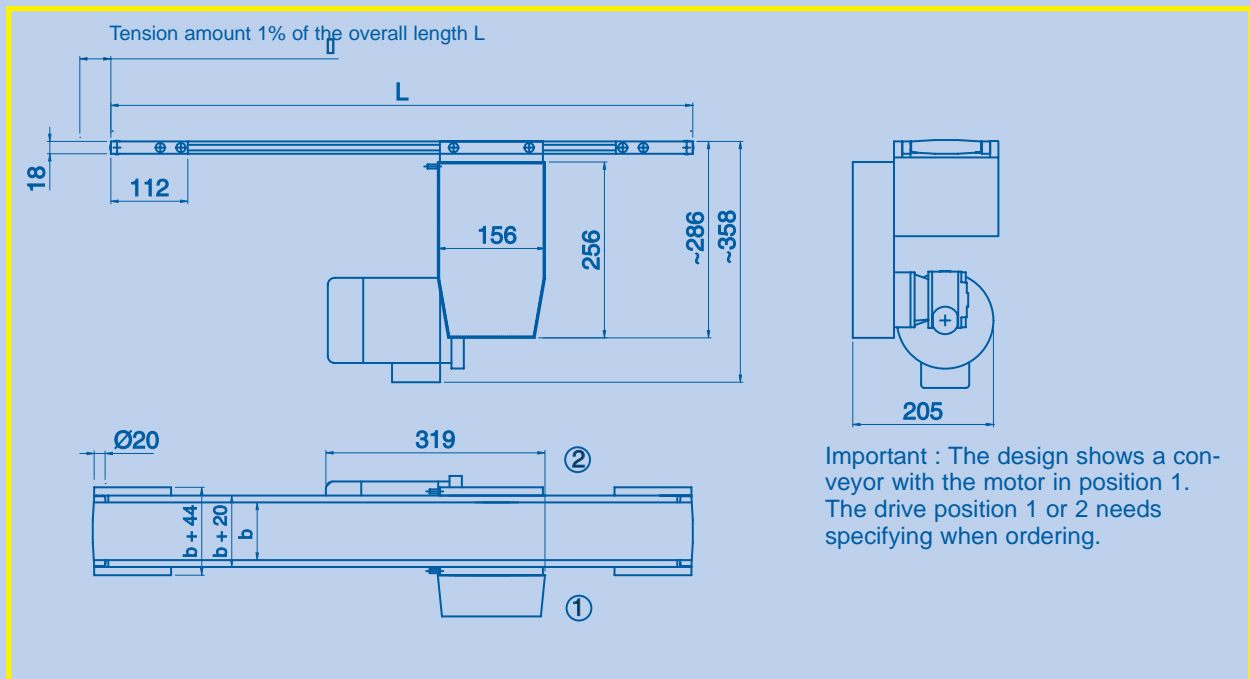
Standard belt speeds are available from 5.4m/min to in excess of 60m/min.



This conveyor has an offset drive which allows free access to the conveyor ends.

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19



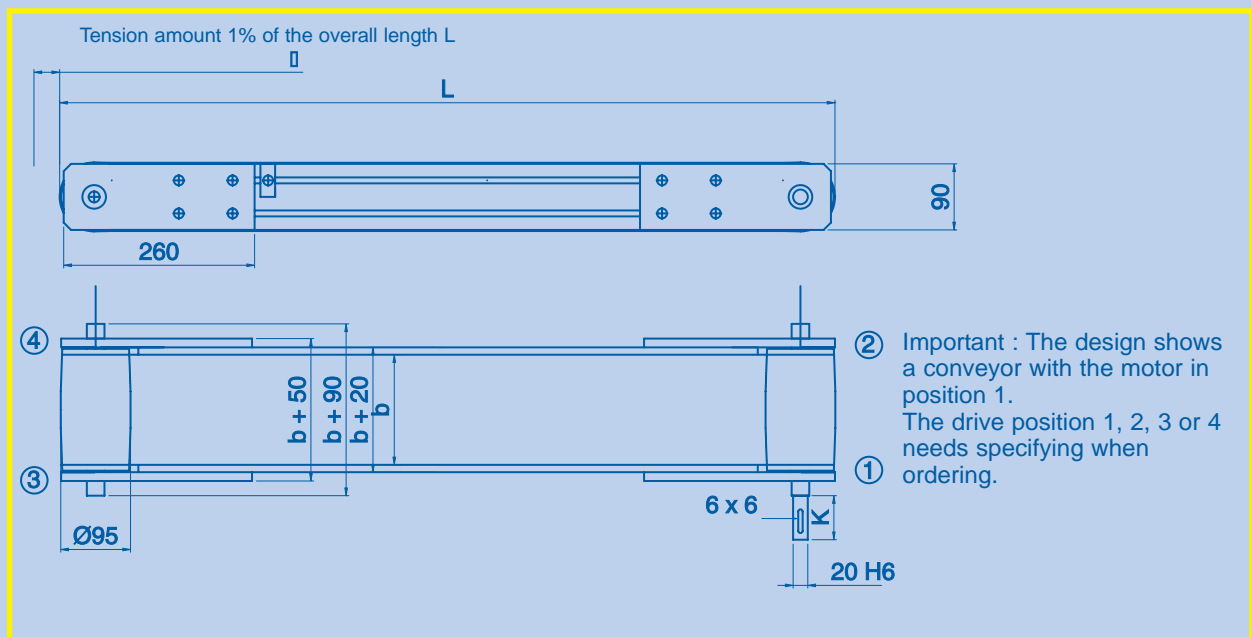
This conveyor features small rollers which allows access to spaces where the access height is limited.

The drive position is adjustable along the conveyor.

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

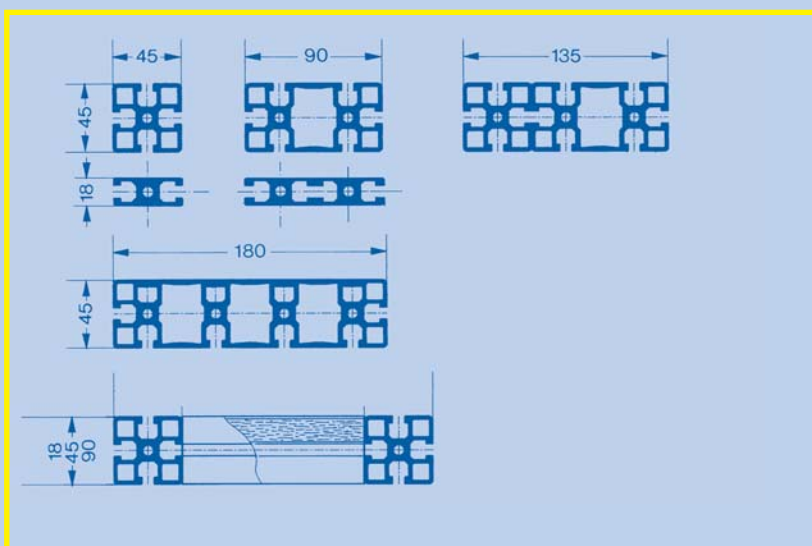
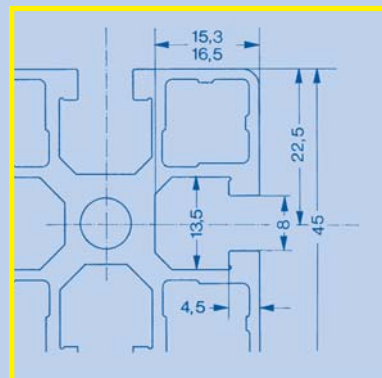
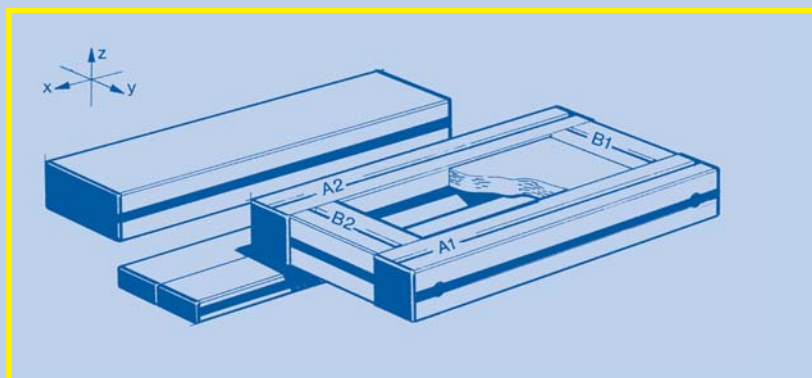
CB9500 Conveyor for axial drive with 95mm rollers



This conveyor features larger 95mm diameter rollers which allow higher loads to be transported. Motors are individually sized for each application.

Accessories

Frames	16
Slider beds	16
Belts	17
Motors	17
Lateral guides	18
Conveyor stands	18
Quote Request	19

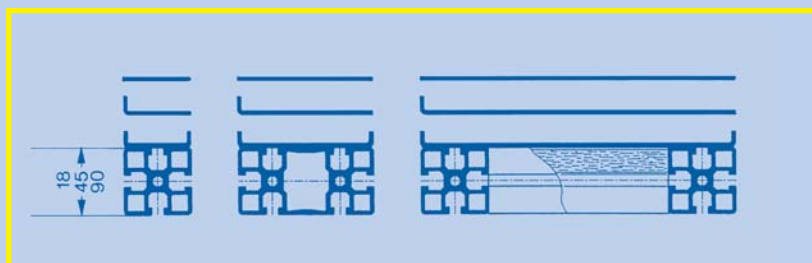


Frames

All frames are constructed from anodised aluminium profiles.

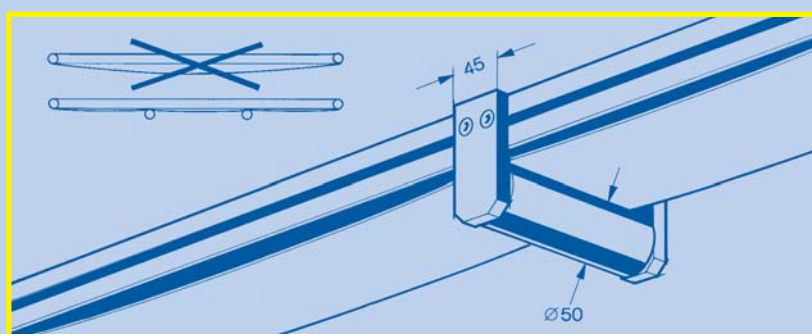
The slots in all these profiles is common and details are shown above.

For large frames a laminated bed plate is inserted into the frame.



Option

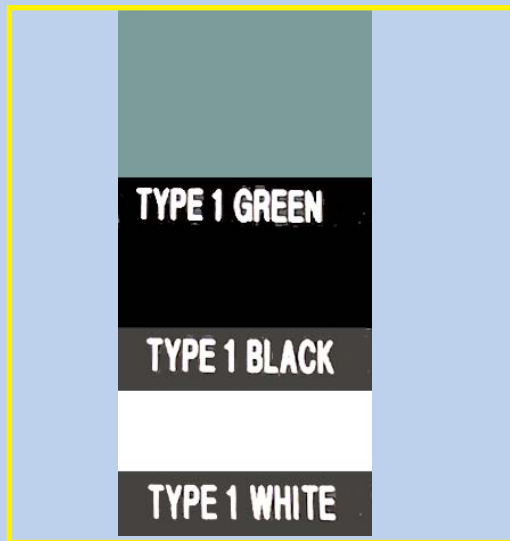
The bedplate can be supplied made from aluminium or stainless steel



Support rollers

The rollers support the belt and stop it from sagging.

Rollers are fitted at intervals of 1500mm on long conveyors.



Conveyor belts :

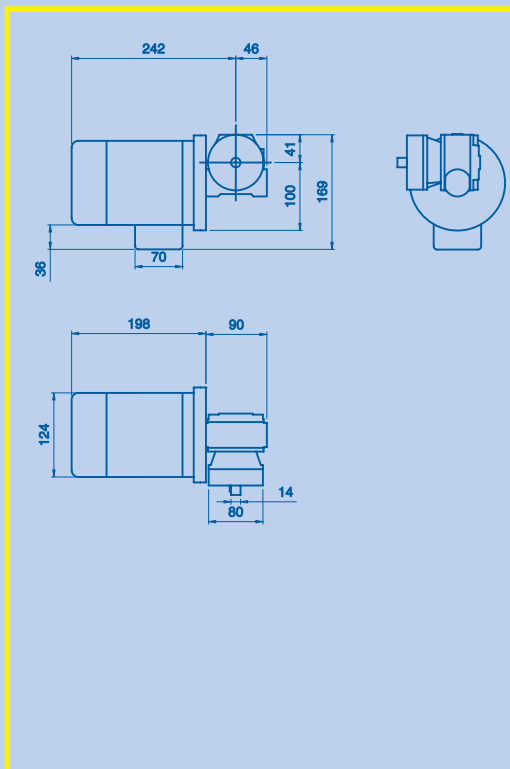
Type 1 : PVC, 2.1mm thick, white, black or green.

This belt is the standard belt for use with 50mm diameter rollers.

Type 2 : PU, 2.0mm thick, white or green.

This belt is the standard belt for use with 20mm diameter rollers or for accumulation use.

Other belts such as food quality, with cleat, anti-static etc are available on request.



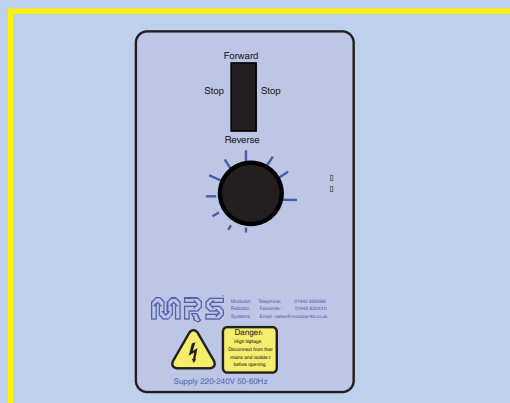
Standard geared motors

230/400V +/-10% 3ph 50Hz 180W
Integral cooling fan
IP55

Standard Motor speeds

m/min at 50 Hz	mm/sec at 50 Hz	Speed m/min min with inverter
31.4	523	12.56
22.0	367	8.80
15.7	262	6.28
14.6	243	5.84
11.0	183	4.40
7.9	132	3.16
5.5	92	2.20
4.9	82	1.96
3.8	63	1.52
3.1	52	1.24
2.2	37	0.88

For speeds outside this range please contact our technical department.



BC0045 Frequency inverters

Complies with EMC regulations.

Integral speed control.

Integral travel direction switch.

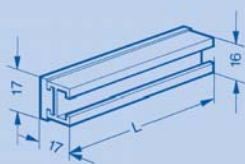
Protection to IP44.

5m of cable.

220/240 1ph input.

Size 171h x121w x106mm deep.

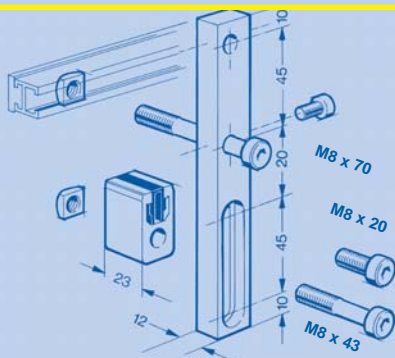
N 0805



N 0805 Lateral guide

Anodised aluminium profile with a slot at the back which accepts M8 fasteners. The contact face is high density polyethylene..

BC0195

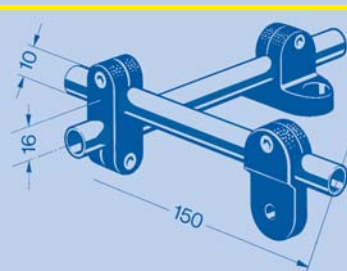


BC0195 Lateral guide support

This mounts in the slot of the conveyor frame and is adjustable in height and width.

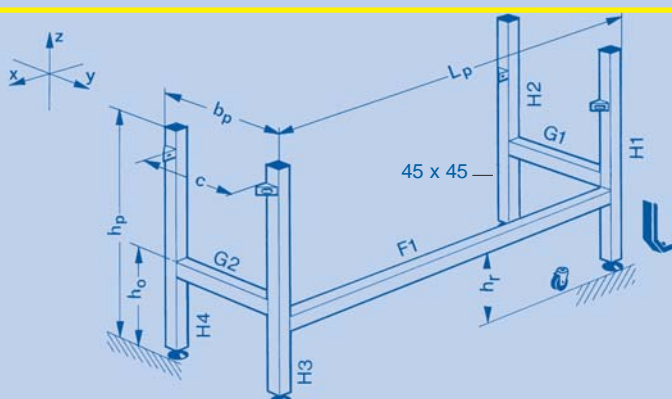
It can be mounted this support can be mounted with or without its 23 mm spacer strut.

N1412

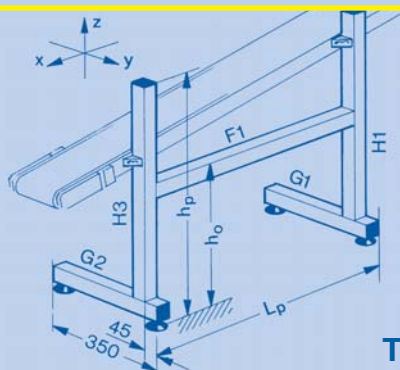


N 1412 Sensor support

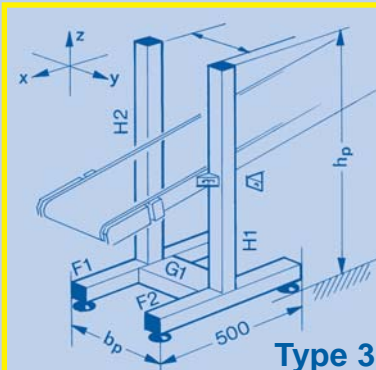
Used for mounting photo cells, limit switches and other sensors.



Type 1



Type 2



Type 3

Conveyor stands : Standard features

Frame in anodised aluminium profile.
Mounted on adjustable feet or castors.
Optional anchor angles.
Dimensions b_p , L_p , h_o , h_p , h_r are to be specified when ordering.

Type 1

The conveyor mounts between the four uprights.

Type 2

Mounted on one side only access to the conveyor is easily obtained.

Type 3

For small conveyors only.

Date _____ Number _____ Contact name _____

Company _____ Tel _____

Address _____ Fax _____

_____ Email _____

— — — — —

Model Overall length L Belt width Motor position Belt speed m/min With inverter=1

Belt Type and colour: GR=green, BL=Black, WH=White.

Necessary information

Environment Product temperature °C _____ Ambient temperature °C _____

Product Length _____ mm Width _____ mm Height _____ mm

Unit Mass _____ Kg Total mass on conveyor belt _____ Kg

Product accumulation required _____ (Y or N)

Inclination Belt inclined _____ up _____ down at _____ degrees from the horizontal

Motor Belt speed _____ m/min or variable between _____ and _____ m/min

Number of hrs used per day _____ No of stop/starts per hour _____

Option information

Side Guides On side1 Length _____ mm On side 2 Length= _____ mm

Height of Guides _____ mm Adjustable from + _____ mm to - _____ mm

Width of Guides _____ mm Adjustable from + _____ mm to - _____ mm

Stand type Type _____ with adjustable feet _____ Castors _____

Locking castors _____ Fixed with anchors _____

Dimensions Lp _____ mm bp _____ mm hp _____ mm ho _____ mm

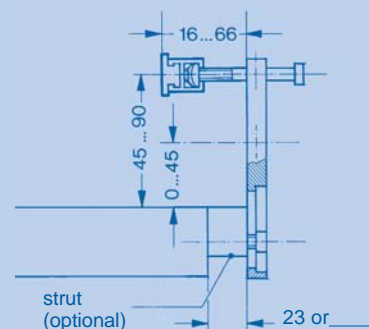
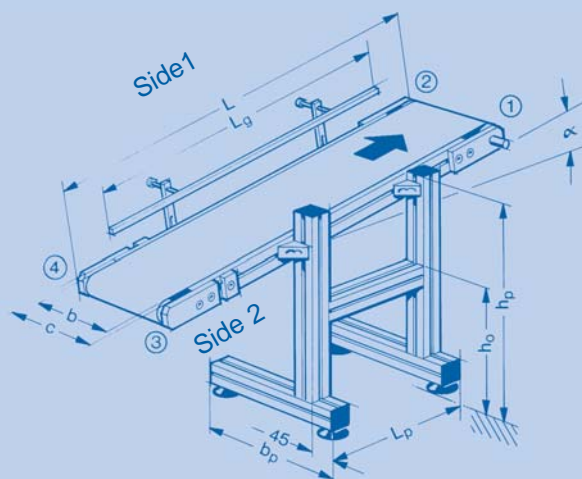
Bed plates Aluminium _____ Stainless steel _____ With integral side guides h= _____ mm

Special requirements

Motor Single phase _____ Other _____

Belt _____

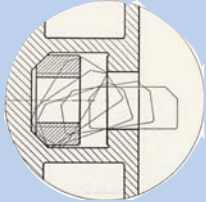
Other _____



Modular Robotic Systems also supply

Norcan - A modular aluminium construction system.

Making machine frames, enclosures and guards has never been easier than with the Norcan System. Based around the use of standard M8 nuts it is simple to design, specify and assemble, we offer design assistance, quick delivery of components from a range of over 30 aluminium profiles and 300 compatible accessories and fully assembled systems, designed



and manufactured to your specifications.



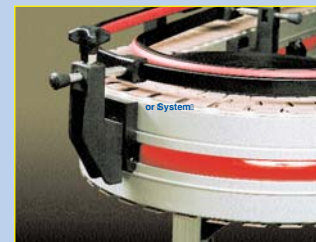
Modular Roburline

Roburline conveyors are chain link conveyors constructed from anodised aluminium with synthetic slat band chains.

Available in widths of up to 400mm this range has a complete family of accessories to enable most applications to be realised. Examples include wheel bends, stands, multi level side guides, lateral, horizontal and vertical transfers.

Modular Roburline

Modular Aluminium Convey



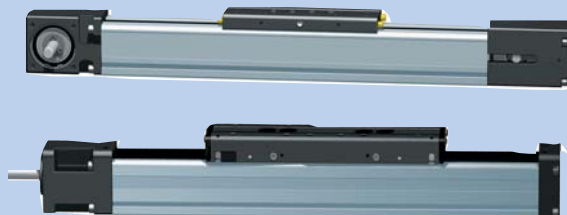
FABER



Modular Robotic Systems Ltd, Kirkless Industrial Estate, Cale lane, Wigan, WN2 1HQ, U.K.
Telephone: 01942 820088 Facsimile: 01942 820431 Email: sales@modular-ltd.co.uk

Movac Linear Actuators.

Movac actuators comprise of an anodised aluminium profile with either a ball-screw or belt drive. With a range of over thirty different sizes, strokes to 12m, and repeatability to +/- 0.01mm Movac's are ideally suited to the majority of positioning and handling tasks.



Modular Robotic Systems Ltd, Kirkless Industrial Estate, Cale lane, Wigan, WN2 1HQ, UK.
Telephone: 01942 820088 Facsimile: 01941 820431 Email: sales@modular-ltd.co.uk