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TB40 Single Timing Belt Conveyor

Single timing belt conveyor with end drive. Options such as cleats, false teeth or coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values.
Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

Speed (m/min): Up to 32
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): 75
Load capacity/m (kg): 25

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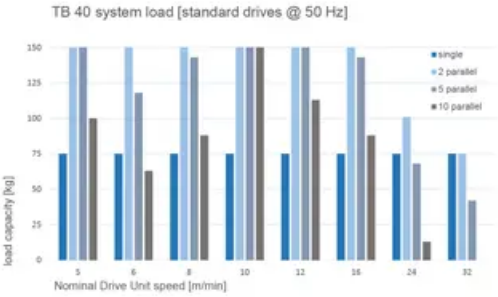

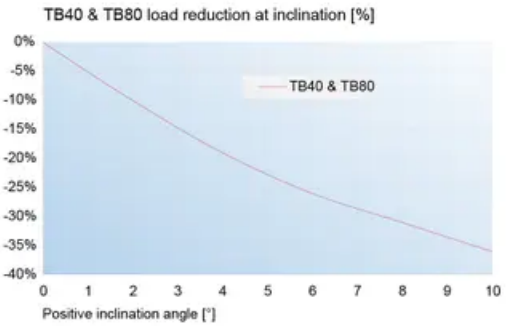

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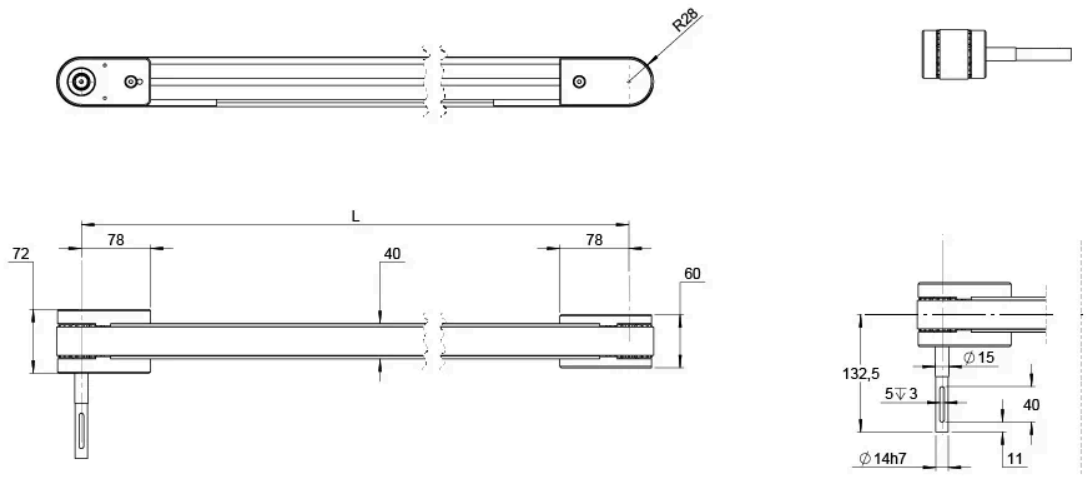

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)
TB40-single	40	40	32	max 6000

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

TB40 Double Timing Belt Conveyor

Two synchronised timing belt conveyors in width with end drive. Options such as cleats, false teeth or coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values. Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

No. of parallell units: 2
Speed (m/min): Up to 32
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): Up to 150
Load capacity/m/unit (kg): 25

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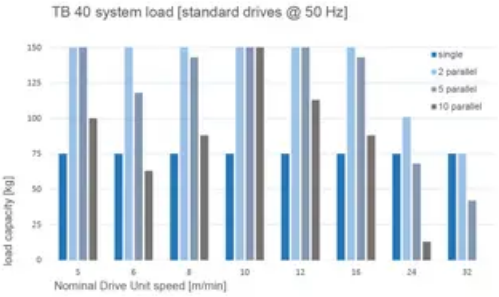

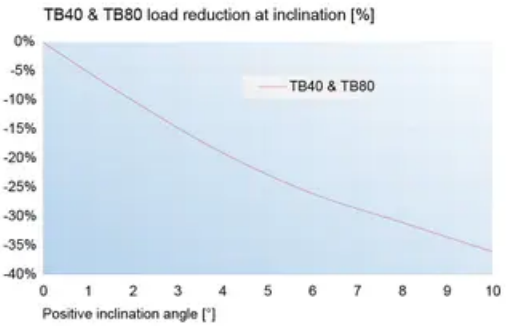

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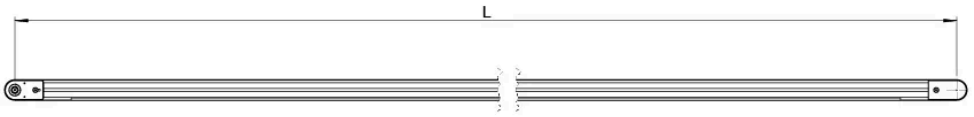

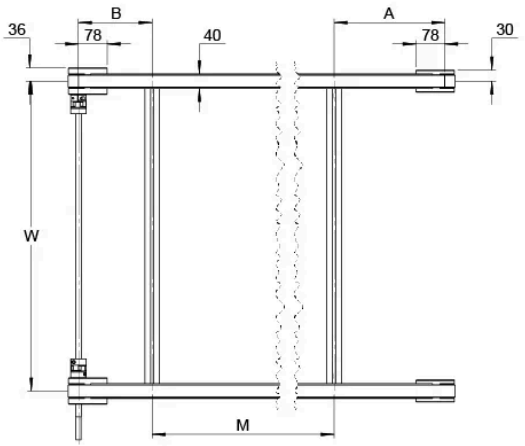

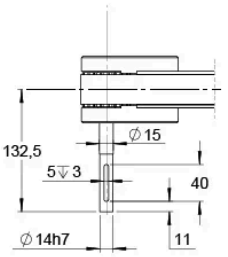

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)	CC (w)
TB40-double	40	40	32	max 6000	max 1500

Designation	No. of parallell units	A	B	M
TB40-double	2	235–390	100–110	160-1000

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TB40 Multisystem Timing Belt Conveyor

Multisystem with three up to ten synchronised timing belt conveyors. Options such as cleats, false teeth or coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values. Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

No. of parallell units: 3 to 10 pcs
Speed (m/min): up to 32
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): Up to 150
Load capacity/m/unit (kg): 25

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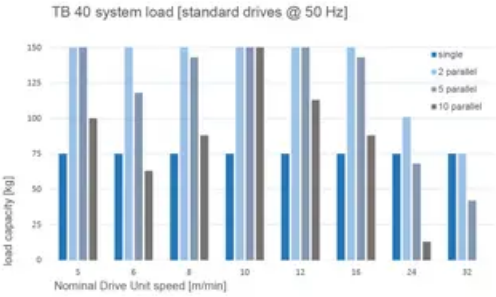

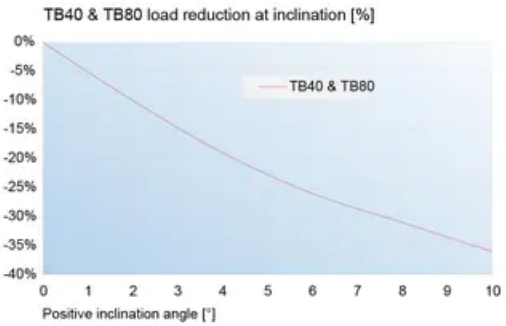

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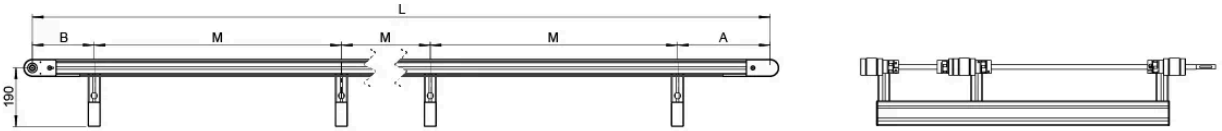

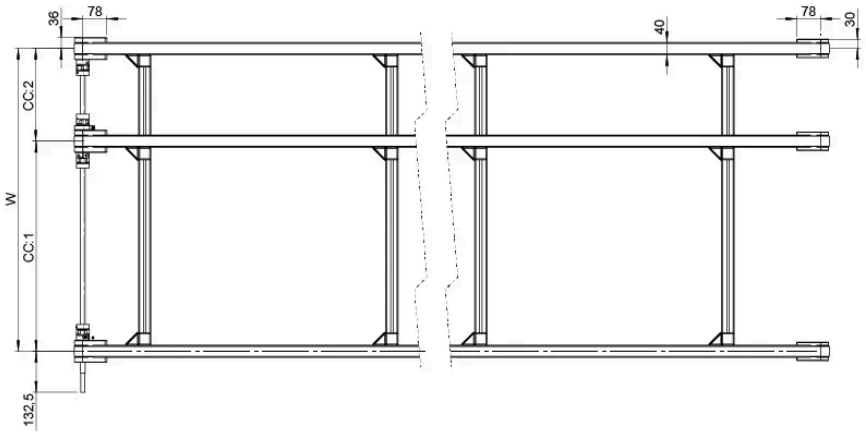

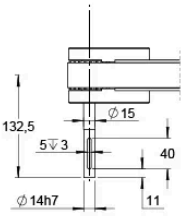

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)	Total Width (W)
TB40-multisystem	40	40	32	max 6000	max 6000

Designation	CC (w)	No. of parallell units	A	B	M
TB40-multisystem	max 1500	3-10	130-300	130-200	160-1000

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TB80 Single Timing Belt Conveyor

Single Timing Belt Conveyor with end drive. Options such as cleats, false teeth and coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values.
Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

Speed (m/min): Up to 54
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): 100
Load capacity/m (kg): 100

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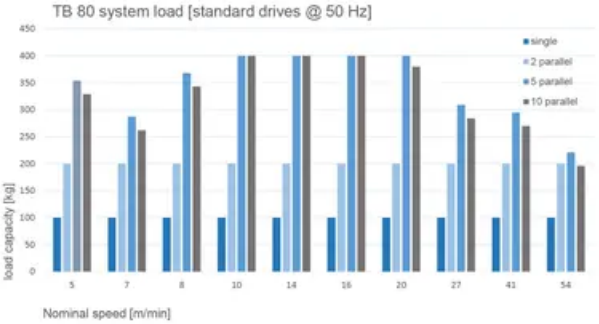

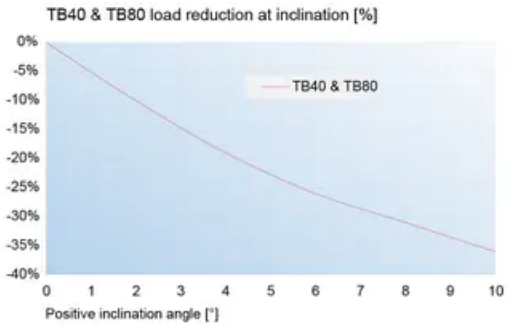

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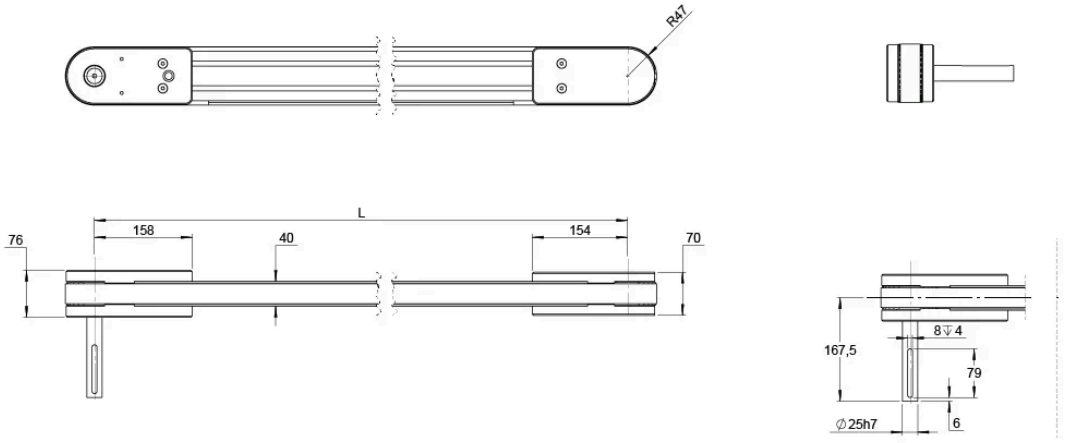

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)
TB80-single	40	80	32	max 6000

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TB80 Double Timing Belt Conveyor

Two synchronised timing belt conveyors in width with end drive. Options such as cleats, false teeth and coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values. Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

No. of parallell units: 2 pcs
Speed (m/min): Up to 54
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): Up to 200
Load capacity/m/unit (kg): 100

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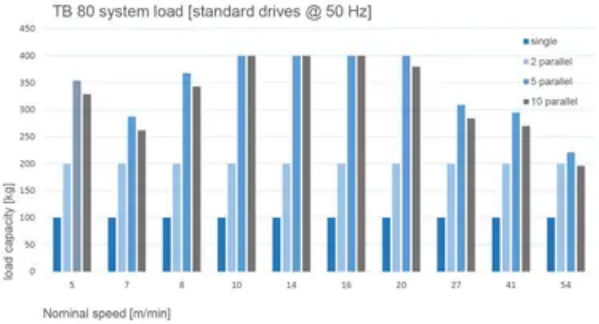

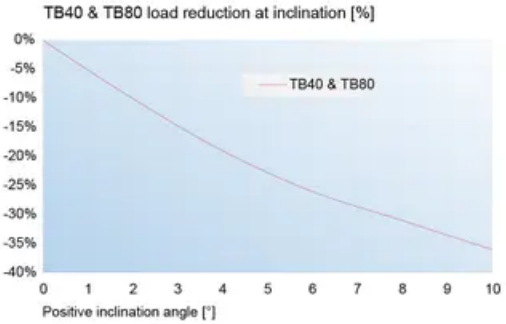

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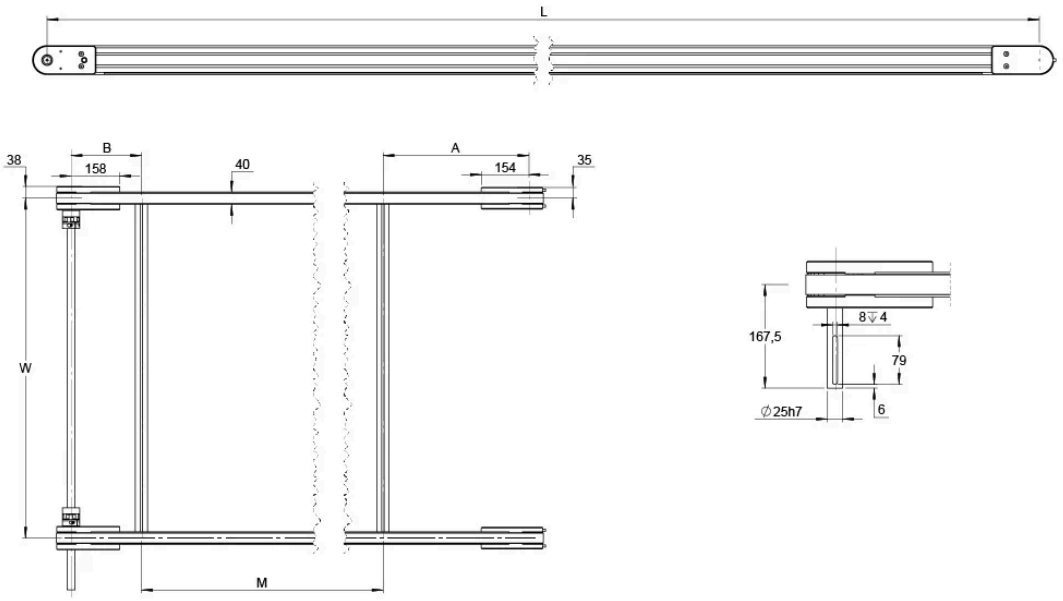

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)	CC (w)
TB80-double	40	80	32	max 6000	max 2000

Designation	No. of parallell units	A	B	M
TB80-double	2	360-670	180-280	240-1200

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TB80 Multisystem Timing Belt Conveyor

Multisystem with three up to ten synchronised timing belt conveyors. Options such as cleats, false teeth and coated belt. Stand 100% compatible with conveyor available as an option. Inclination or declination of +/- 10° is possible. For dimensions outside our standard range, please contact Rollco.
Note: Please see load/speed diagram for current values. Use our CAD configurator to design your timing belt conveyor according to your preferences and get a visual view, download data sheet and CAD files.

TB40 and TB80 have been extensively tested over its full performance range of speeds, loads, and lengths, together with our standard drive units.
Declaration of incorporation of partly completed machinery according to Directive 2006/42/EC Annex II 1B.
Dimensions in mm.

No. of parallell units: 3 to 10 pcs
Speed (m/min): Up to 54
Drive side: Left/Right
Incline/decline: +/- 10°
Load capacity (kg): Up to 400
Load capacity/m/unit (kg): 100

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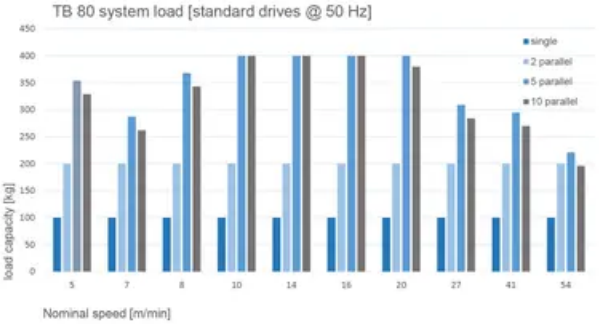

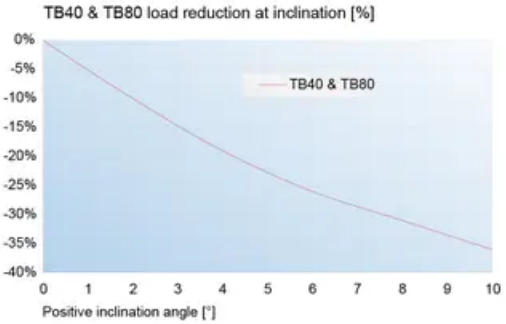

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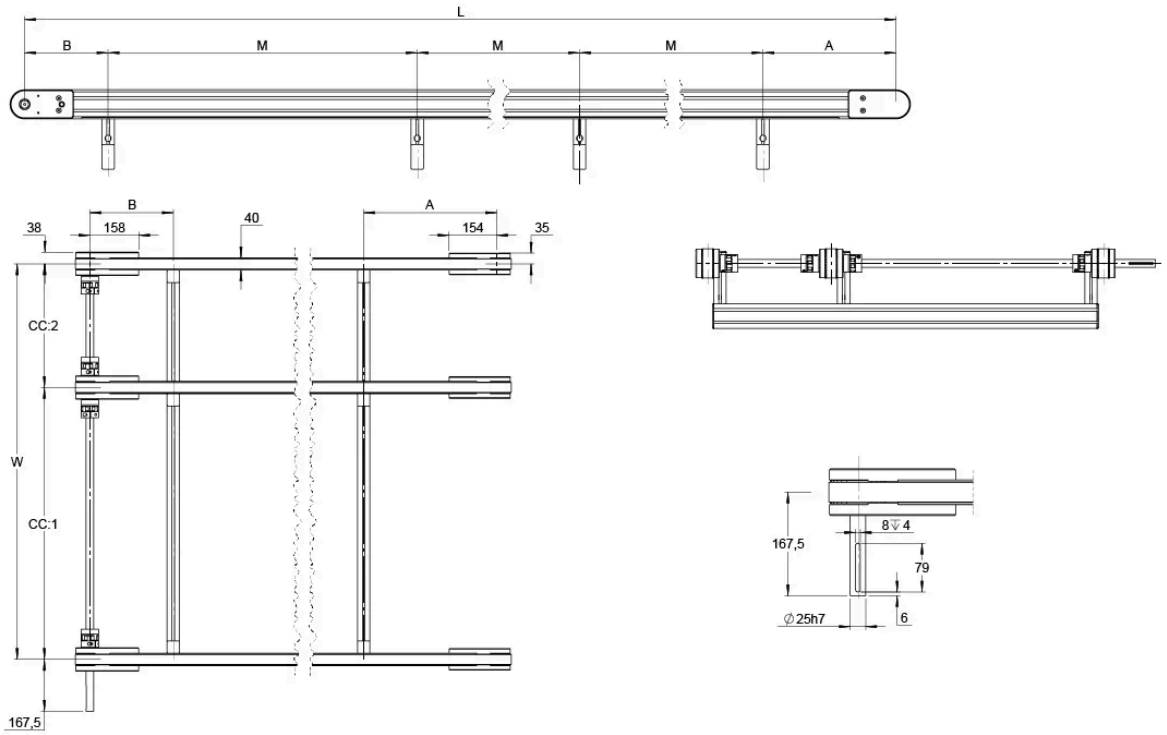

Designation	Profile Width	Profile Height	Belt Width	Total Length (L)	Total Width (W)
TB80-multisystem	40	80	32	max 6000	max 6000

Designation	CC (w)	No. of parallell units	A	B	M
TB80-multisystem	max 2000	3-10	210-500	210-250	160-1200

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Conveyor Stand TB40 Double

Aluminium profile stand to match Rollco Timing belt convyeors. Available with adjustable fixable feet. Configure your stand together with the timing belt conveyor in our CAD-configurator.

Values shown under “General data” indicates min and max values in mm according to our standard configurations. For other designs, please contact Rollco.

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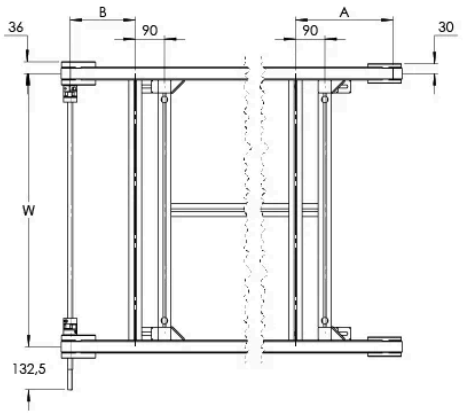
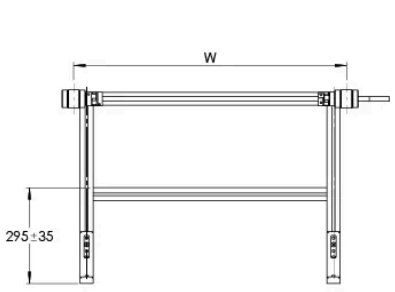
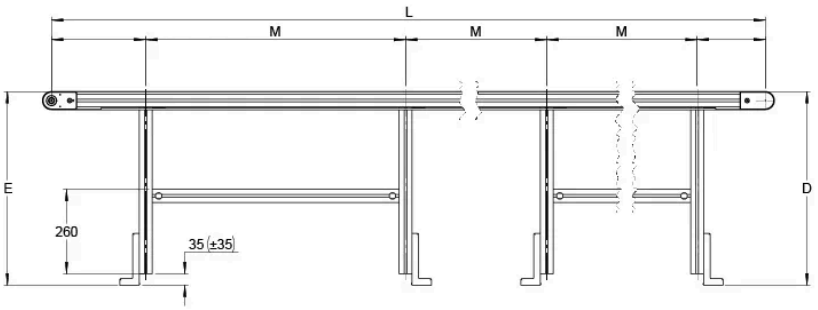
General Data

Stand TB40 Double Timing Belt Conveyor



Stand TB40 Double Timing Belt Conveyor
390 ≤ E,D ≤ 650





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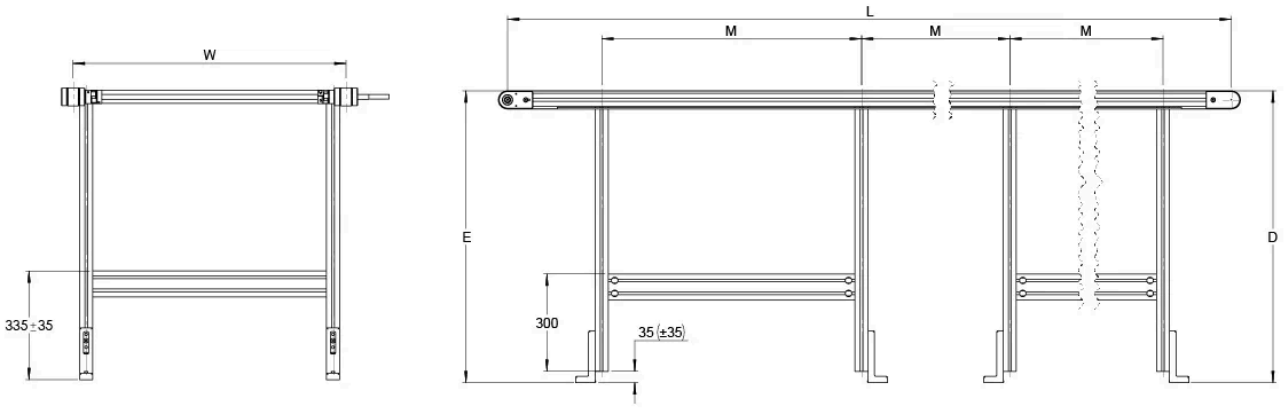
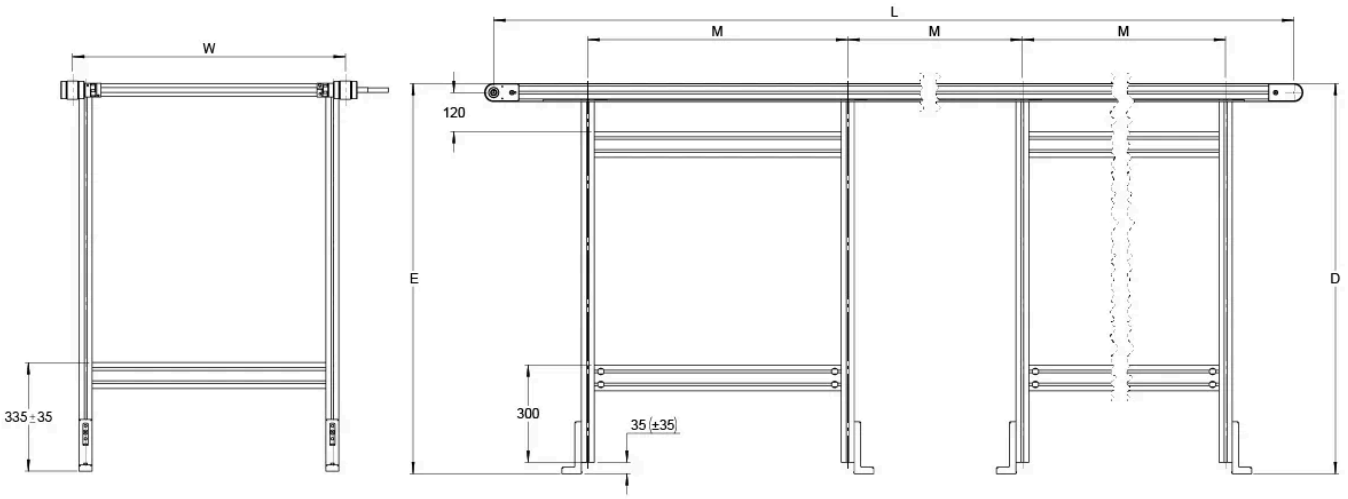
Stand TB40 Double Timing Belt Conveyor
650 < E,D ≤ 900



Stand TB40 Double Timing Belt Conveyor
900 < E,D ≤ 1200



Designation	Profile Width	Profile Height	Total Length (L)	Total Width (W)	CC (w)
TB40-double-stand	40	40	max 6000	max 1500	max 1500

Designation	No. of parallell units	A	B	D	E	M
TB40-double-stand	2	235–390	100–110	390- 1200	390- 1200	160-1000

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Conveyor Stand TB40 Multisystem

Aluminium profile stand to match Rollco Timing belt convyeors. Available with adjustable fixable feet. Configure your stand together with the timing belt conveyor in our CAD-configurator.

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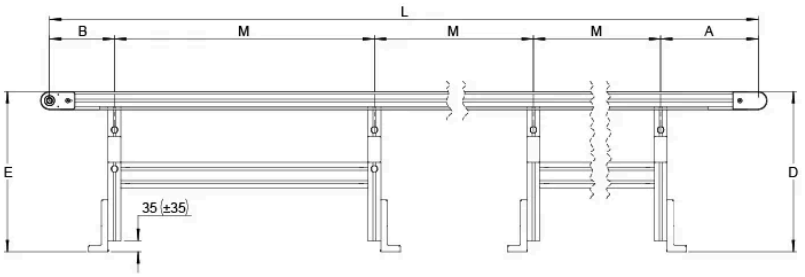
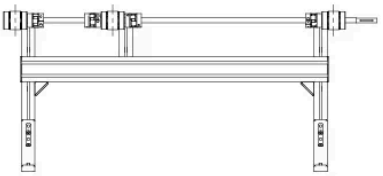
General Data

Stand TB40 Multi Timing Belt Conveyor
495 ≤ E,D ≤ 550

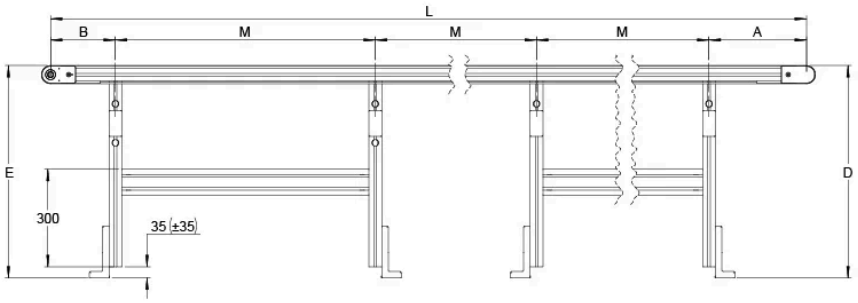
Height of Longitudinal profile follow the undercarriage.



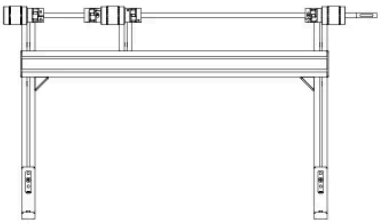
495 ≤ E,D ≤ 650



Stand TB40 Multi Timing Belt Conveyor
550 < E,D ≤ 900



495 ≤ E,D ≤ 650



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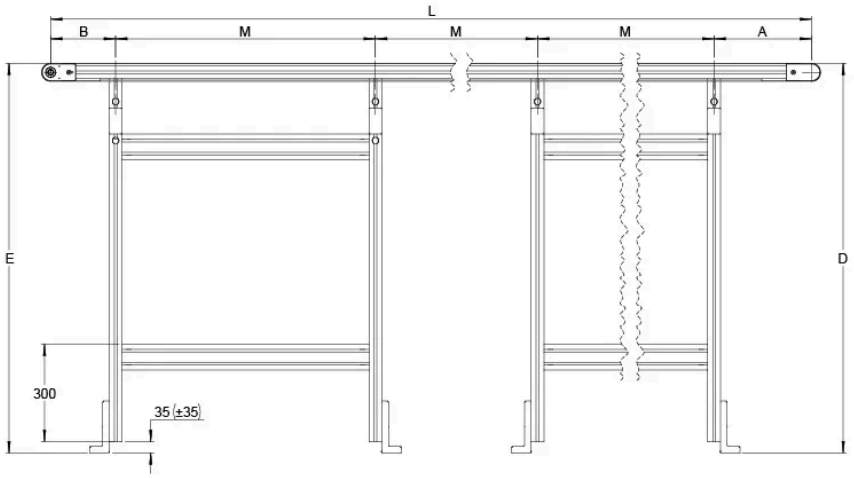
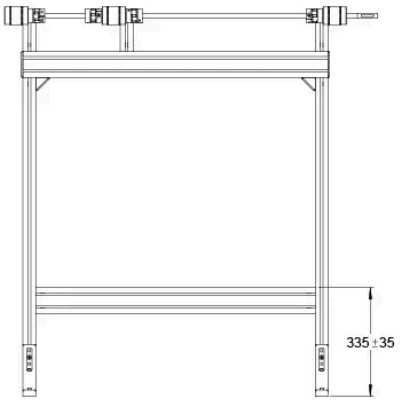
Stand TB40 Multi Timing Belt Conveyor
900 < E,D ≤ 1200



650< E,D ≤ 1200



Designation	Profile Width	Profile Height	Total Length (L)	Total Width (W)	CC (w)
TB40-multisystem-stand	40	40	max 6000	max 6000	max 1500

Designation	No. of parallell units	A	B	D	E	M
TB40-multisystem-stand	3-10	130-300	130-200	495-1200	495-1200	160-1000

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Conveyor Stand TB80 Double

Aluminium profile stand to match Rollco Timing belt conveyors. Available with adjustable fixable feet. Configure your stand together with the timing belt conveyor in our CAD-configurator.

Values shown under “General data” indicate min and max values in mm according to our standard configurations. For other designs, please contact Rollco.

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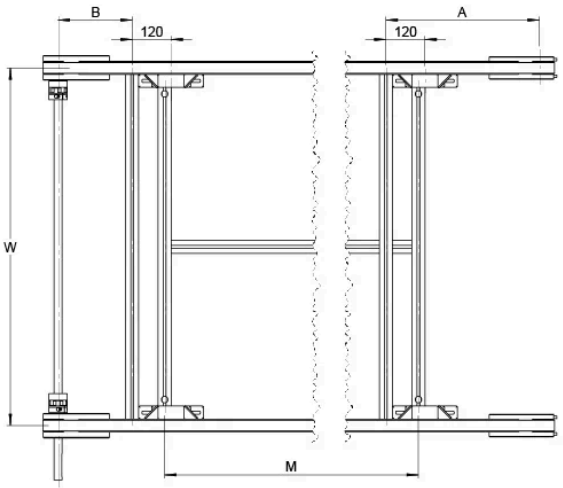
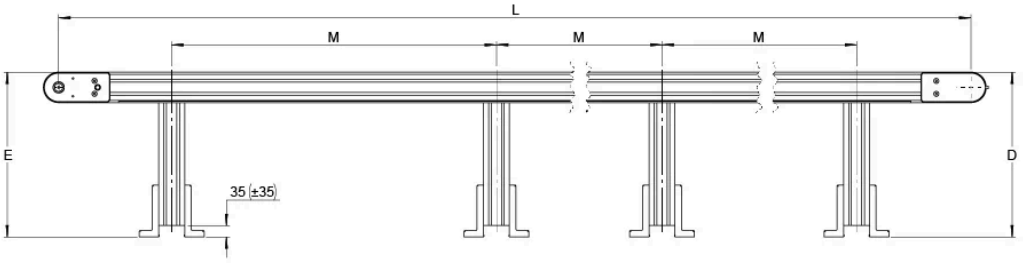
General Data

Stand TB80 Double Timing Belt Conveyor



Stand TB80 Double Timing Belt Conveyor
450 ≤ E,D ≤ 500



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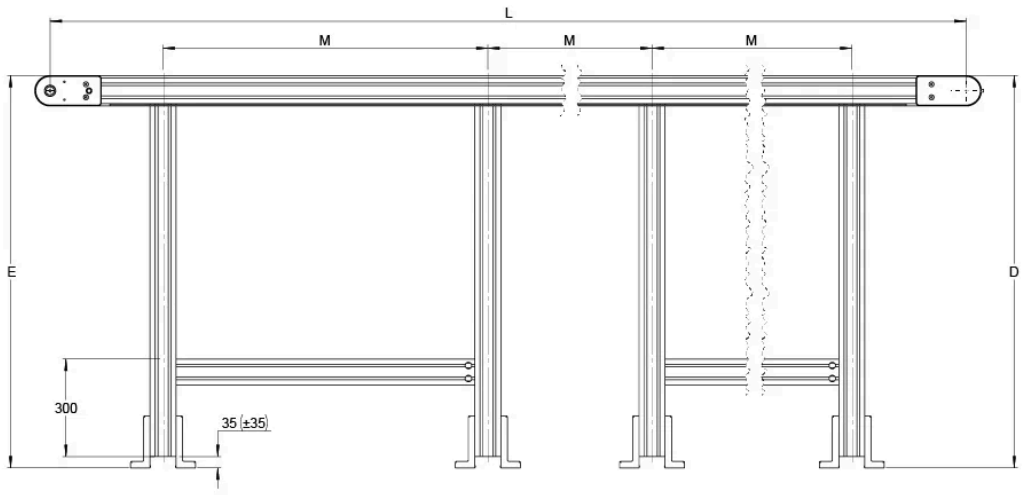
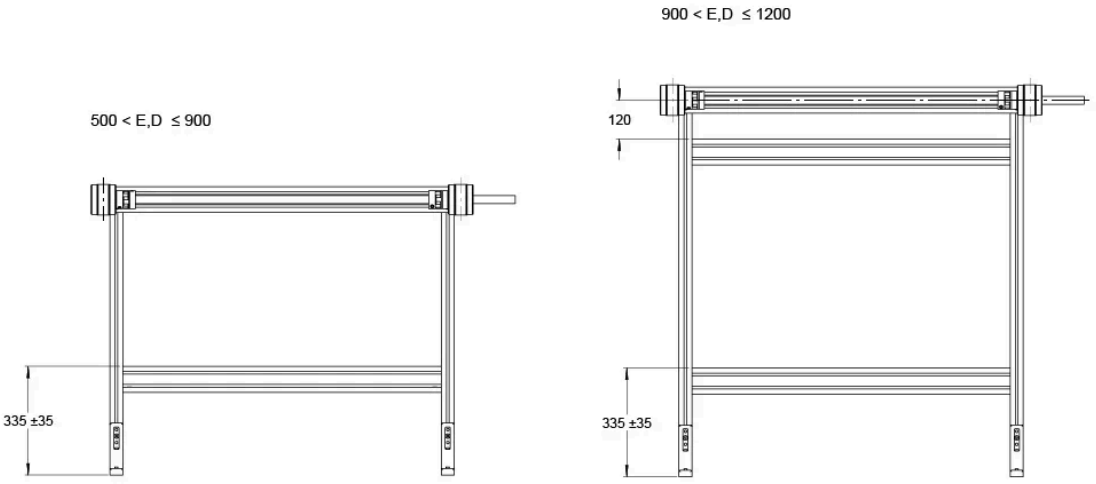
Stand TB80 Double Timing Belt Conveyor
500 < E,D ≤ 1200



Stand TB80 Double Timing Belt Conveyor



Designation	Profile Width	Profile Height	Total Length (L)	Total Width (W)	CC (w)
TB80-double-stand	40	80	max 6000	max 2000	max 2000

Designation	No. of parallell units	A	B	D	E	M
TB80-double-stand	2	360-670	180-280	450-1200	450-1200	240-1200

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Conveyor Stand TB80 Multisystem

Aluminium profile stand to match Rollco Timing belt conveyors. Available with adjustable fixable feet. Configure your stand together with the timing belt conveyor in our CAD-configurator.

Values shown under “General data” indicate min and max values in mm according to our standard configurations. For other designs, please contact Rollco.

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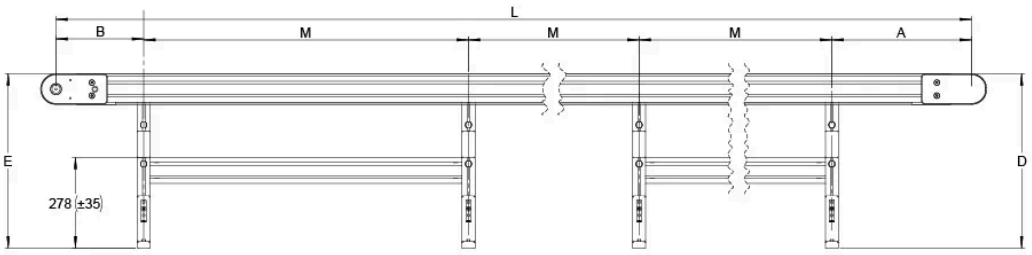
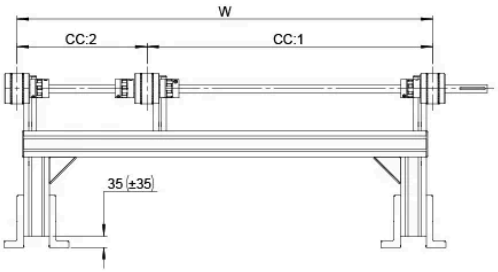
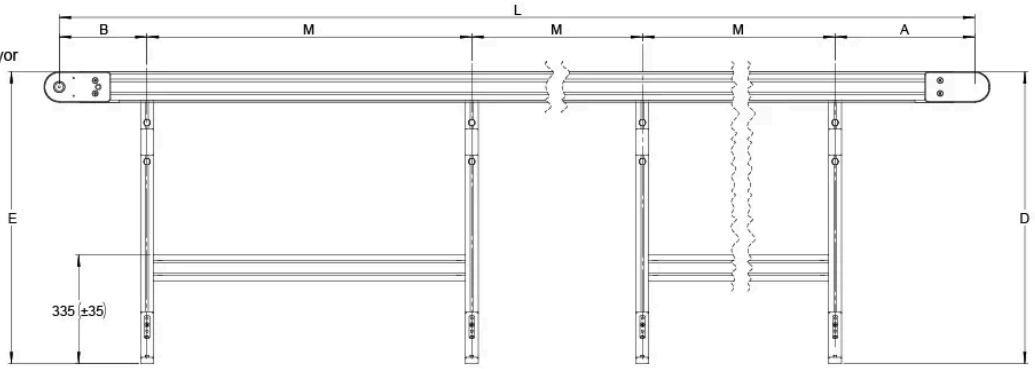
General Data

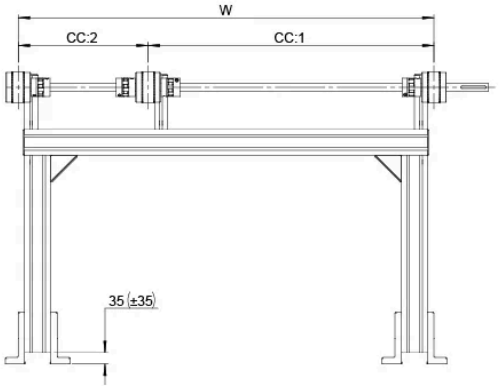
Stand TB80 Multi Timing Belt Conveyor
535 ≤ E,D < 600





Stand TB80 Multi Timing Belt Conveyor
600 ≤ E,D ≤ 900





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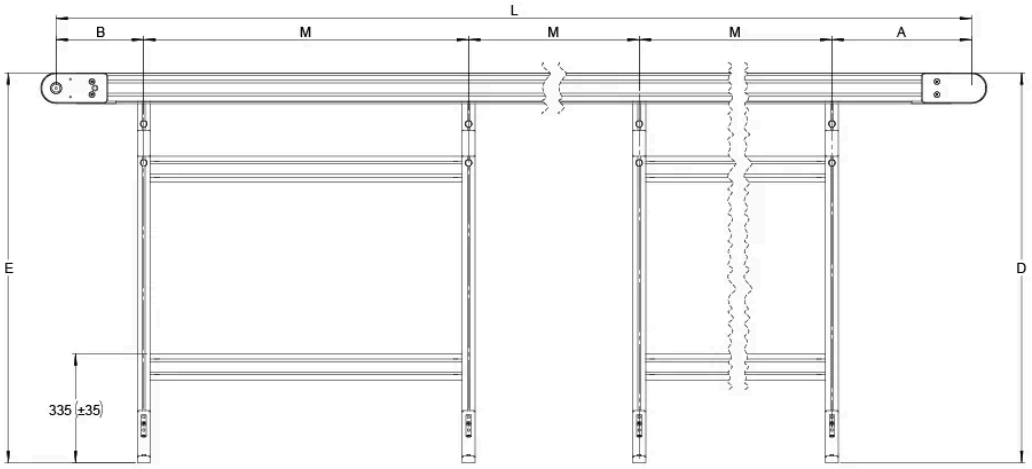
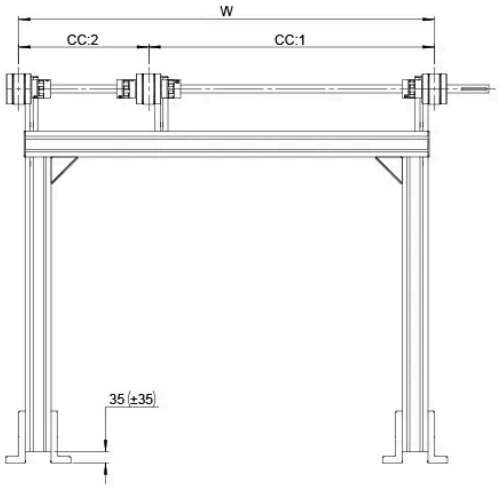
Stand TB80 Multi Timing Belt Conveyor
900 < E,D ≤ 1200



Stand TB80 Multi Timing Belt Conveyor
900 < E,D ≤ 1200



Designation	Profile Width	Profile Height	Total Length (L)	Total Width (W)	CC (w)
TB80-multisystem-stand	40	80	max 6000	max 6000	max 2000

Designation	No. of parallell units	A	B	D	E	M
TB80-multisystem-stand	3-10	210-500	210-250	535-1200	535-1200	160-1200

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Drive units TB40

We offer a standard selection of motors and gears for TB40 timing belt conveyor.
We can customise the drive shaft to accommodate many different motors and gear choices. Please contact Rollco for more information.
Performance data based on continuous operation at nominal voltage, 50 Hz and 1400 rpm motor speed.
For operation using frequency inverter please contact Rollco.

Motors and gears are not assembled to the unit.

Motor Type: Worm gear drive with 4-pole 3-phase 230/400 VAC-50 Hz motor
Protection Class: IP55

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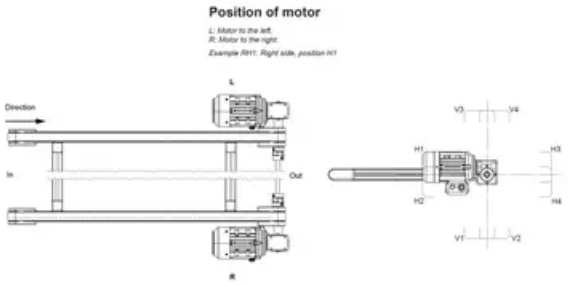
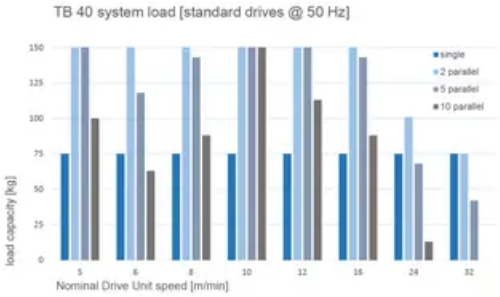
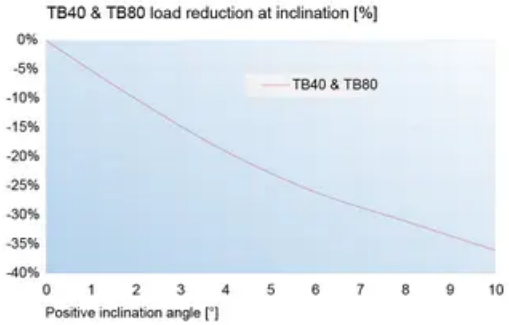
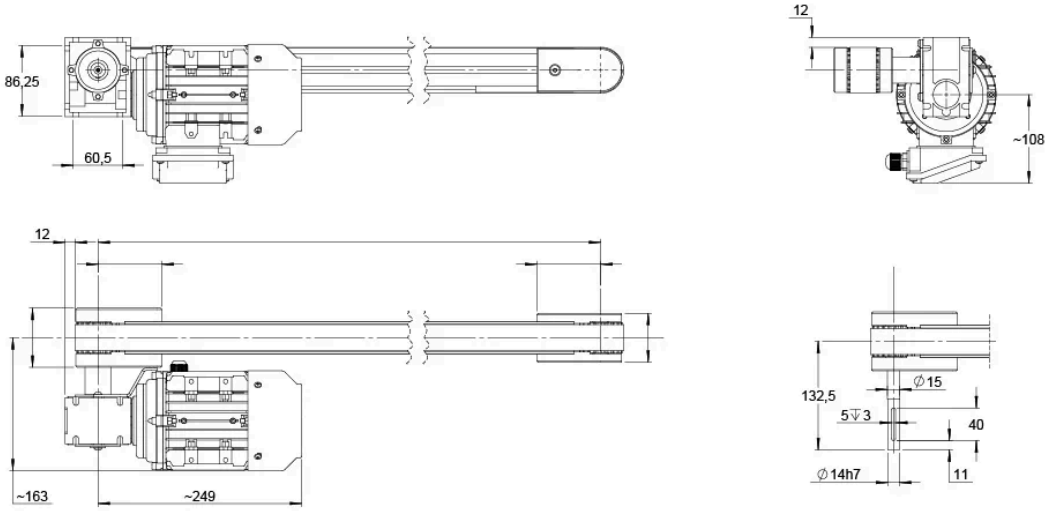






General Data



Designation	Speed code	Power (kW)	Conveyor speed at 50 Hz (m/min)	Output speed (rpm) at 50 Hz	Output torque at 50 Hz (Nm)
Driveunit-40-5	5	0.12	4.8	28	17

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Designation	Speed code	Power (kW)	Conveyor speed at 50 Hz (m/min)	Output speed (rpm) at 50 Hz	Output torque at 50 Hz (Nm)
Driveunit-40-6	6	0.12	6	35	14
Driveunit-40-8	8	0.12	7.9	46.7	16
Driveunit-40-10	10	0.18	9.5	56	21
Driveunit-40-12	12	0.18	11.9	70	18
Driveunit-40-16	16	0.18	15.9	93.3	14
Driveunit-40-24	24	0.18	23.8	140	10
Driveunit-40-32	32	0.18	31.7	186.7	7.8

Designation	Gear reduction	Phase current at 400 VAC (A)
Driveunit-40-5	50	0.44
Driveunit-40-6	40	0.44
Driveunit-40-8	30	0.44
Driveunit-40-10	25	0.55
Driveunit-40-12	20	0.55
Driveunit-40-16	15	0.55
Driveunit-40-24	10	0.55
Driveunit-40-32	7.5	0.55

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Drive units TB80

We offer a standard selection of motors and gears for TB80 timing belt conveyor.
We can customise the drive shaft to accommodate many different motors and gear choices. Please contact Rollco for more information.
Performance data based on continuous operation at nominal voltage, 50 Hz and 1400 rpm motor speed.
For operation using frequency inverter please contact Rollco.

Motors and gears are not assembled to the unit.

Motor Type: Worm gear drive with 4-pole 3-phase 230/400 VAC-50 Hz motor
Protection Class: IP55

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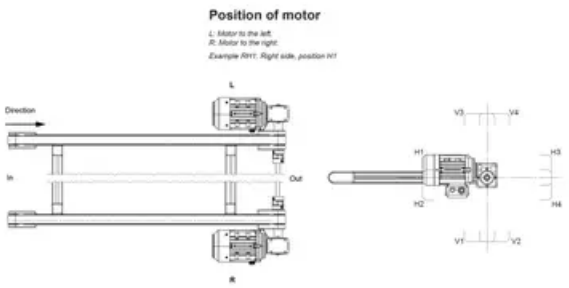

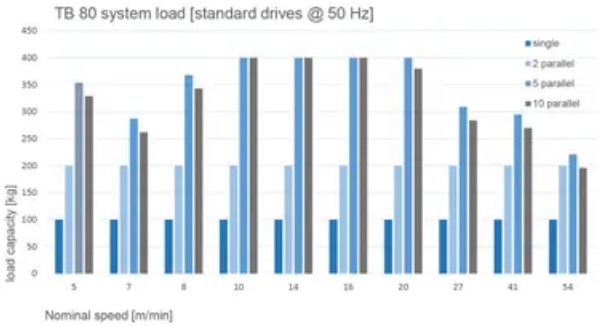

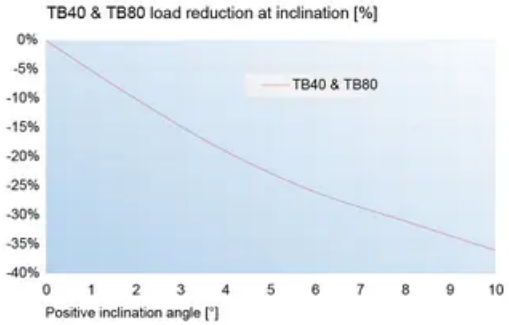

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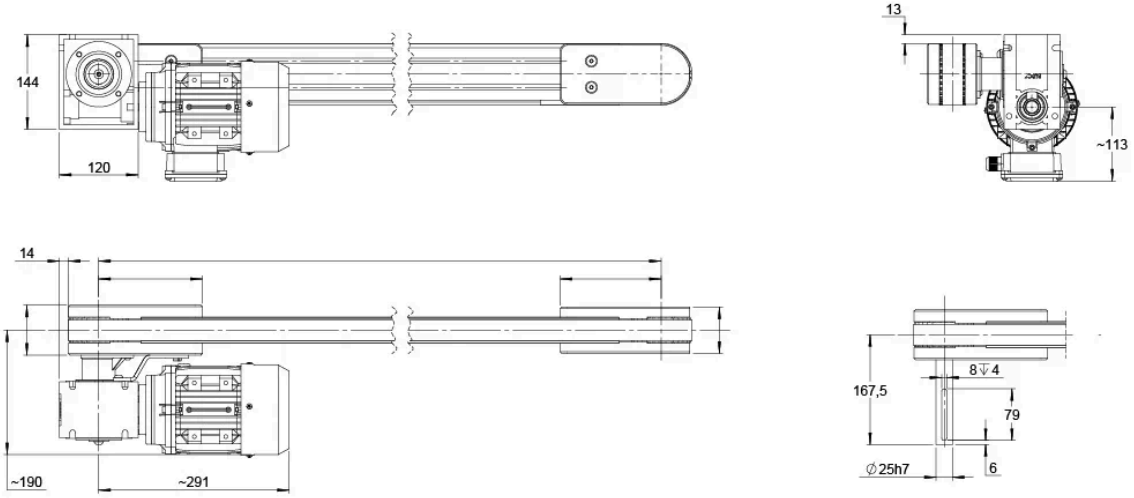

Designation	Speed code	Power (kW)	Conveyor speed at 50 Hz (m/min)	Output speed (rpm) at 50 Hz	Output torque at 50 Hz (Nm)
Driveunit-80-5	5	0.25	5.1	17.5	52

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Designation	Speed code	Power (kW)	Conveyor speed at 50 Hz (m/min)	Output speed (rpm) at 50 Hz	Output torque at 50 Hz (Nm)
Driveunit-80-7	7	0.25	6.8	23.3	60
Driveunit-80-8	8	0.25	8.1	28	54
Driveunit-80-10	10	0.37	10.2	35	68
Driveunit-80-14	14	0.55	13.5	46.7	81
Driveunit-80-16	16	0.55	16.2	56	71
Driveunit-80-20	20	0.55	20.3	70	59
Driveunit-80-27	27	0.55	27.1	93.3	46
Driveunit-80-41	41	0.75	40.6	140	44
Driveunit-80-54	54	0.75	54.1	186.7	34

Designation	Gear reduction	Phase current at 400 VAC (A)
Driveunit-80-5	80	0.77
Driveunit-80-7	60	0.77
Driveunit-80-8	50	0.77
Driveunit-80-10	40	1.01
Driveunit-80-14	30	1.47
Driveunit-80-16	25	1.47
Driveunit-80-20	20	1.47
Driveunit-80-27	15	1.47
Driveunit-80-41	10	1.9
Driveunit-80-54	7.5	1.9

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Belts

The standard belt for our Timing belt conveyors is a white TPU with steel cord that is covered on the tooth side with a polyamide fabric to reduce noise and friction.
The profile of the belt is the well proven AT10 for both TB40 and TB80.
Option with coating, cleats, and false teeth.

Belt tension is easily adjusted with open screws on the slave/return side.
Dimensions in mm.
For other type of belt requirements please contact Rollco.

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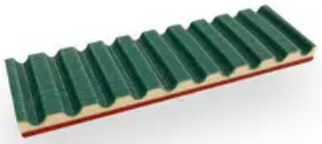
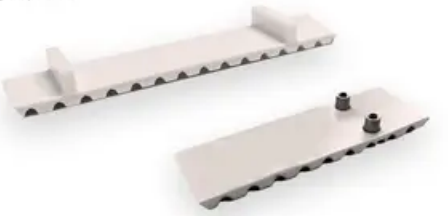
Standard TPU



Green polyamide fabric

Standard TPU + Coating Linatex

Standard TPU with cleats
*coating not possible



Standard TPU with false teeth
*coating not possible

Belt tension

*Belt is always properly tensioned upon delivery

General Data

Designation	Type	Tooth	Material	Colour	Material Tooth Side
Belt-A	Standard	AT10	TPU	White (Top surface)	PA fabric green
Belt-B	Standard + Coating	AT10	TPU + Linatex 2mm	Red (Top surface)	PA fabric green
Belt-C	Standard + Coating	AT10	TPU + Linatex 4mm	Red (Top surface)	PA fabric green
Belt-A-CL	Standard + Cleats	AT10	TPU + Bonded PU	White (Top surface)	PA fabric green
Belt-A-CM	Standard + Cleats	AT10	TPU + Bonded PU	White (Top surface)	PA fabric green
Belt-A-CH	Standard + Cleats	AT10	TPU + Bonded PU	White (Top surface)	PA fabric green
Belt-A-FT	Standard + False Teeth	AT10	TPU + Stainless steel	White (Top surface)	PA fabric green

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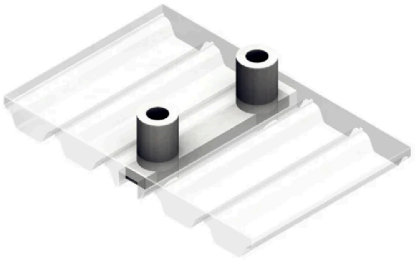
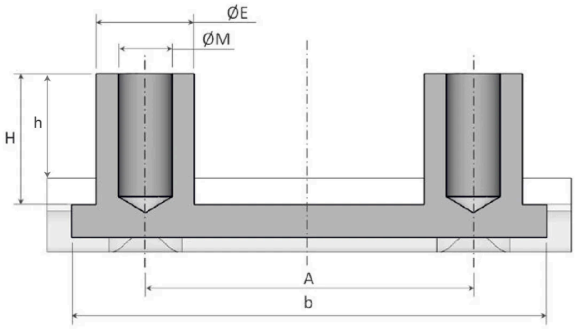
Designation	Timing Belt Conveyor	Cleat Size (HxWxT)	C/C Cleats/False Teeth
Belt-A	TB40/TB80	-	-
Belt-B	TB40/TB80	-	-
Belt-C	TB80	-	-
Belt-A-CL	TB40/TB80	10x32x4	See CAD-configurator
Belt-A-CM	TB40/TB80	20x32x4	See CAD-configurator
Belt-A-CH	TB40/TB80	30x32x4	See CAD-configurator
Belt-A-FT	TB40/TB80	See drawing	See CAD-configurator

False Teeth Data





Designation	b	ØE	Thread ØM	H	h
Belt-A	-	-	-	-	-
Belt-B	-	-	-	-	-
Belt-C	-	-	-	-	-
Belt-A-CL	-	-	-	-	-
Belt-A-CM	-	-	-	-	-
Belt-A-CH	-	-	-	-	-
Belt-A-FT	29	6	M4x8	8	6

Designation	A
Belt-A	-
Belt-B	-
Belt-C	-
Belt-A-CL	-
Belt-A-CM	-
Belt-A-CH	-
Belt-A-FT	20

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Slot and Cover Profiles

For covering aluminium profile slots/grooves. Prevents the profile slot from becoming dirty.
(Only for profiles with 8 mm slots.)

System: 40 - Slot 8
Type: Sealing, Coverstrips & Rubbers

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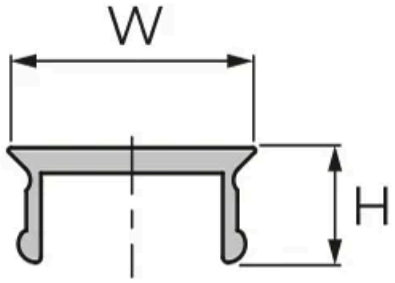
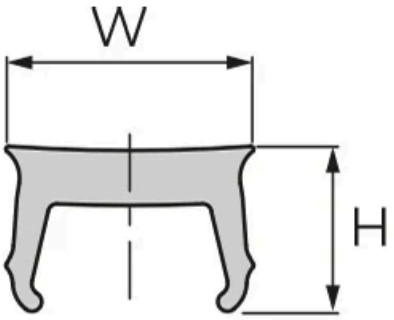
General Data



RC1111



RC1270

Designation	Description	System	Material	Colour	W
RC1111	Cover profile 40	40 - Slot 8	Plastic (PP)	Aluminium coloured	9.1
RC1270	Slot Profile 40	40 - Slot 8	Plastic (PP)	Black	9

Designation	H	Length (mm)
RC1111	5.1	2000
RC1270	6	2000

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