



EBS
SYSTEM

BELT CONVEYORS



easy
...CONVEYORS

www.easy-conveyors.com

THE EASY WAY...

OF SOLVING YOUR MATERIAL HANDLING NEEDS



easy
...CONVEYORS

Easy conveyors bv

Easy conveyors bv is a company with 25 years of experience in the field of intralogistic conveyor components, we have specialised ourselves in developing modular components for the production of Belt conveyors, Table top conveyors, Mat top conveyors and Roller conveyors. All our products are being developed with the "modular thought"

Quality with innovative solutions

At Easy conveyors, we believe in delivering precision in our products and services, there's simply no compromising in the quality of our products and services. We make it our business to understand your needs and requirements. This is to ensure that our continuous R&D effort for technological breakthrough enables your business to maintain its competitive advantage while delivering more value to your customers Flexibility in fulfilling infinite potential. Today's dynamic business environment requires businesses to constantly evolve with technology and new customer requirements. With this in mind, Easy conveyors components are designed to get the best out of your investment and realise the unlimited potential of your business.

Efficiency for all businesses

At end of the day, all businesses depend on their bottom lines. Results, that's all that matters and Easy conveyors has continuously raised and set the benchmark to cater to the needs and budgets of various industries.

We work towards ensuring optimal results for businesses with our cost-efficient systems that afford you with...

- | | |
|---------------------------------------|---------------------------------|
| 01 Fast layout capability | 05 Enhanced productivity |
| 02 Minimal component variation | 06 Low maintenance |
| 03 Design simplicity | 07 User-friendliness |
| 04 Effective space utilization | |

Distribution network

Easy conveyors is worldwide available and has set up a well-established network of exclusive distributors or integrators. Our partners are able to offer you the complete solution integrating our components. Deliveries of our components are being made out of our major stock facilities in Europe, North America, Australia and Asia, from these locations orders from the product configurator can be shipped out with 24 hours lead time.

Product configurator online

Easy conveyors offers an online engineering tool, where you can configure your desired conveyor online by answering a few simple questions. The configurator will generate the desired conveyor and you can download the file in the selected cad format.

TRY OUT ON WWW.EASY-CONVEYORS.COM



1

All our products are available online, you can either configure an EBS belt conveyor, EMBS mat top conveyor, ETS table top conveyor, EMCS mat top conveyor or a ERA roller conveyor by selecting the product under product and cad button.



2

For example we choose an EBS belt conveyor, we need to know A & B size. When we scroll down you can select the type of cad format.



3

In this part you have to fill in the desired length, width, speed, weight etc. to configure the conveyor.



4

In this part the backoffice will calculate the needed power and if it fit is all possible with this conveyor.

Online product configurator

Go to www.easy-conveyors.com and click on product configurator and experience the simplicity of easy conveyors



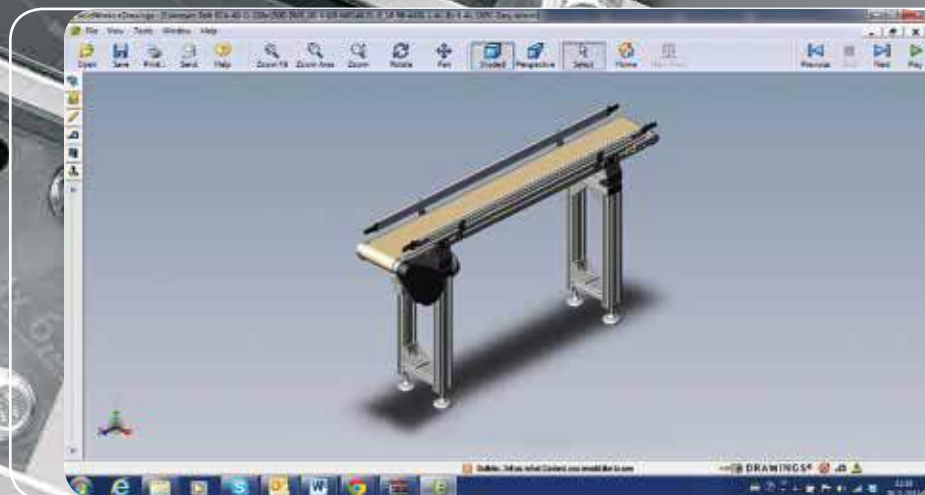
5

When you scroll down, you have the choice to either, "request for a quote" or download the "cad" file or a "pdf" file. If you request a quote, your local dealer will receive an email with the request, they will take care of the quotation and send this to you.



6

When you click on cad-file, the system will generate a cad drawing in the selected format, with your cad program or with a viewer (free download on <http://www.edrawingsviewer.com/>) you can open the drawing.



7

The drawing.

THE EASY WAY...
OF SOLVING YOUR MATERIAL HANDLING NEEDS

PRODUCT LEAFLETS

EBS 40-D1	Head drive with Ø45 return	Page 153
EBS 40-D2	Head drive with Ø15 return	Page 157
EBS 40-I1	Transmission drive with Ø45 return	Page 161
EBS 40-I2	Transmission drive with Ø15 return	Page 165
EBS 40-M1	Center drive with Ø45 return	Page 169
EBS 40-M2	Center drive with Ø15 return	Page 173
EBS 40-M3	Center drive with 1x Ø15 return and 1x Ø45	Page 177
EBS 80-D1	Head drive with Ø85 return	Page 181
EBS 80-I1	Transmission drive with Ø85 return	Page 185
EBS 80-M1	Center drive with Ø85 return	Page 189
ECDR 40	Drum drive with Ø45 return	Page 193
ECDR 80	Drum drive with Ø85 return	Page 197

MODULE PAGES

EBS 40 FRAME	Page 202
EBS 40 HEAD DRIVE UNIT MULTI	Page 204
EBS 40 TRANSM. DRIVE UNIT MULTI; LEFT	Page 206
EBS 40 TRANSM. DRIVE UNIT MULTI; RIGHT	Page 206
EBS 40 CENTER DRIVE UNIT MULTI	Page 210
ECDR 40 DRUM MOTOR HEAD DRIVE UNIT	Page 212
EBS 40 RETURN UNIT	Page 214
EBS 40 KNIFE EDGE UNIT	Page 216
EBS 80 FRAME	Page 220
EBS 80 HEAD DRIVE UNIT MULTI	Page 220
EBS 80 TRANSM. DRIVE UNIT MULTI; LEFT	Page 228
EBS 80 TRANSM. DRIVE UNIT MULTI; RIGHT	Page 224
EBS 80 CENTER DRIVE UNIT MULTI	Page 228
ECDR 80 DRUM MOTOR HEAD DRIVE UNIT	Page 230
EBS 80 RETURN UNIT	Page 232
BELTS	Page 234
EBS 40 DRIVE FLANGE; MULTI	Page 236
EBS 80 DRIVE FLANGE; MULTI	Page 237
EBS SUPPORT ROLLER SET	Page 238
I2 SUPPORT LEGS ALUMINIUM	Page 240
L2 SUPPORT LEGS ALUMINIUM	Page 242
L SUPPORT LEGS ALUMINIUM	Page 244
HEIGHT ADJUSTABLE LEG SUPPORT	Page 247
EBS 40 FIXED	Page 250
EBS GUIDE PROFILE; FIXED	Page 252
EBS GUIDE PROFILE; ADJUST	Page 254
EBS 80 FIXED	Page 256
EBS GUIDE PROFILE; FIXED - 80 SERIE	Page 258
EBS GUIDE PROFILE; ADJUST - 80 SERIE	Page 260
EBS TECHNICAL MANUAL	Page 262

EBS40-D1

HEAD DRIVE WITH Ø45 RETURN
KOPFANTRIEB MIT UMLENKUNG Ø 45
ENTRAÎNEMENT DIRECT AVEC RETOUR DIAMÈTRE 45
CABEZA DE TRACCIÓN CON EJE Ø 45



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153

0.8

0.05

R2.5

R1

R0.4

1°

1°

1°

0.05

8 x Ø 5 THRU ALL

M6 - 6H THRU ALL

✓ Ø 6.05 X 90°, Near Side

✓ Ø 7 X 90°, Far Side

A

22,5°

45°

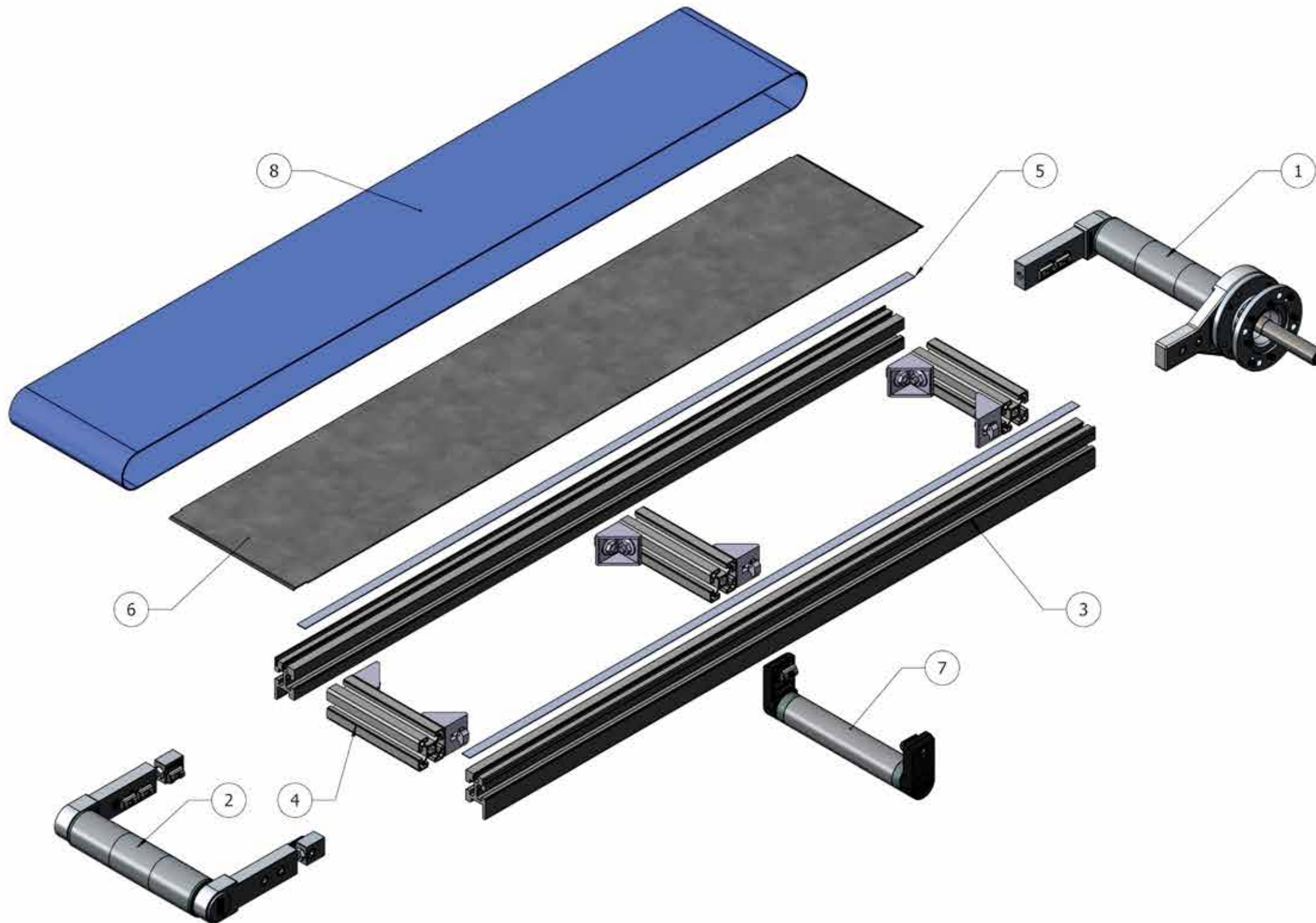
STC: Ø 83 (varvel)

STC: Ø 80 (nord)

STC: Ø 75 (motovario)

STC: Ø 70 (SEW WA20)

4x Ø 6,5

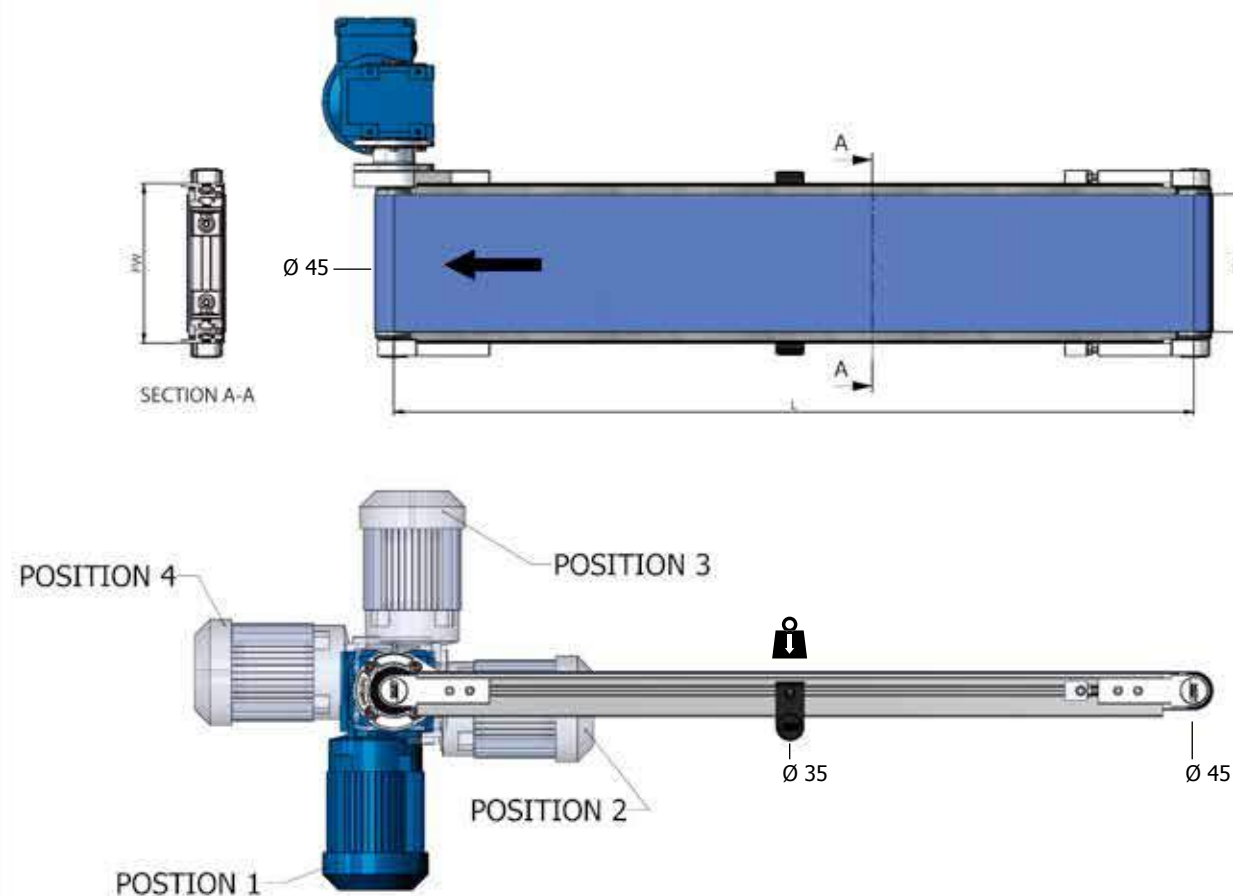


1	Head drive Kopfantrieb Entraînement Direct Cabeza de tracción	Module PAGE 204
2	Return set Ø 45 Umlenkungsatz Ø 45 Ensemble de retour diamètre 45 Reenvío Ø 45, juego	Module PAGE 214
3	EBS profile 40 EBS profil 40 Profilé EBS 40 Perfil EBS 40	Module PAGE 202
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 202
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 202
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 202
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234



EBS40-D2

HEAD DRIVE WITH Ø15 RETURN
KOPFANTRIEB MIT UMLENKUNG Ø 15
ENTRAÎNEMENT DIRECT AVEC RETOUR DIAMÈTRE 15
CABEZA DE TRACCIÓN CON EJE Ø 15

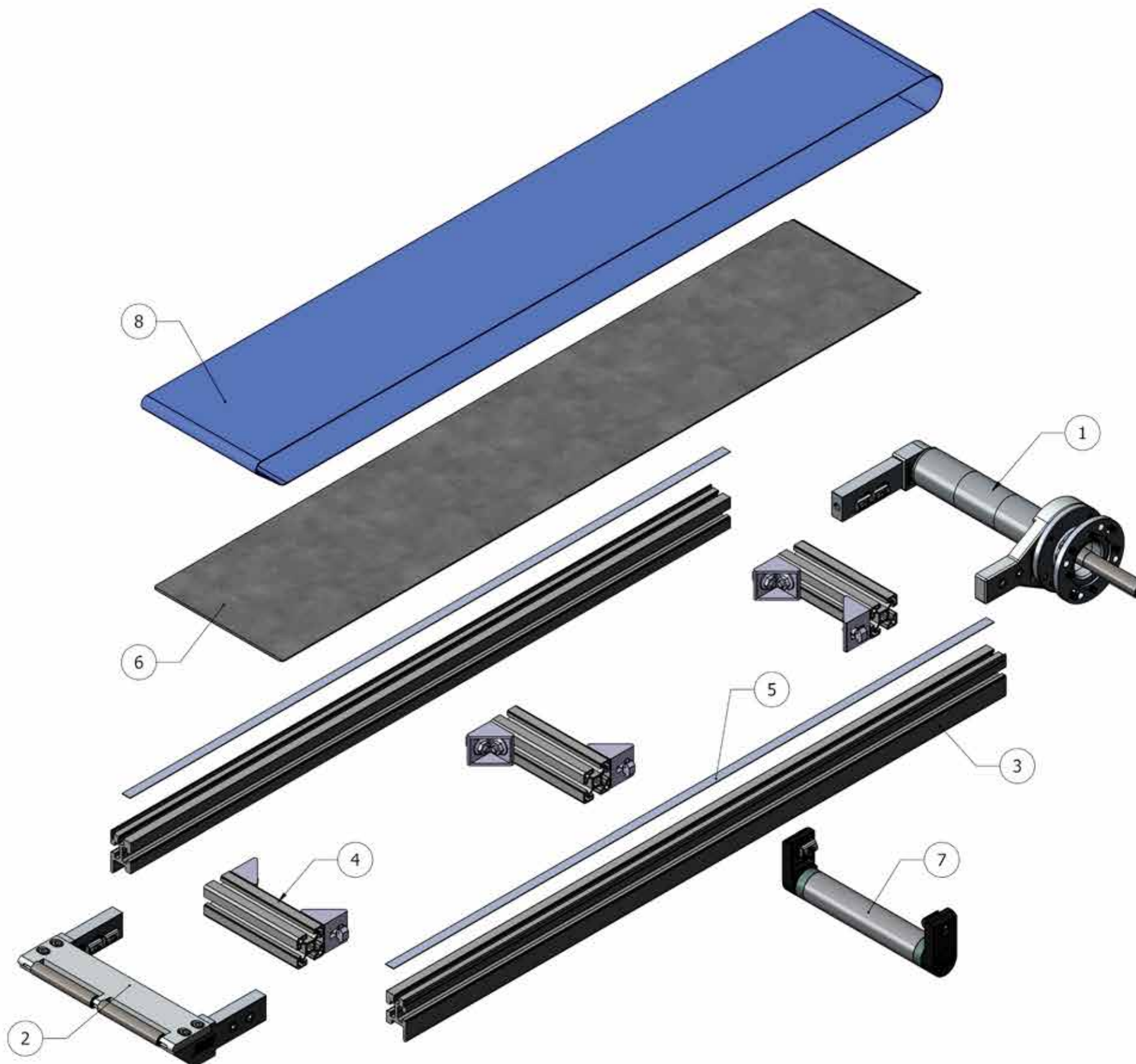


More technical information: See engineering online www.easy-conveyors.com

EBS 40-D1	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	285 - 5600 mm 11,22" - 236,22" inch					
FW =	100	200	300	400	500	600 mm
	3,93"	7,87"	11,81"	15,74"	19,68"	23,62" inch
BW =	81	172	270	370	470	560 mm
	3,19"	6,77"	10,63"	14,57"	18,50"	22,05" inch
V ≈	Max. 60 mtr./min 197 Foot/min					
ⓘ ≈	Max. 75 kg 165 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



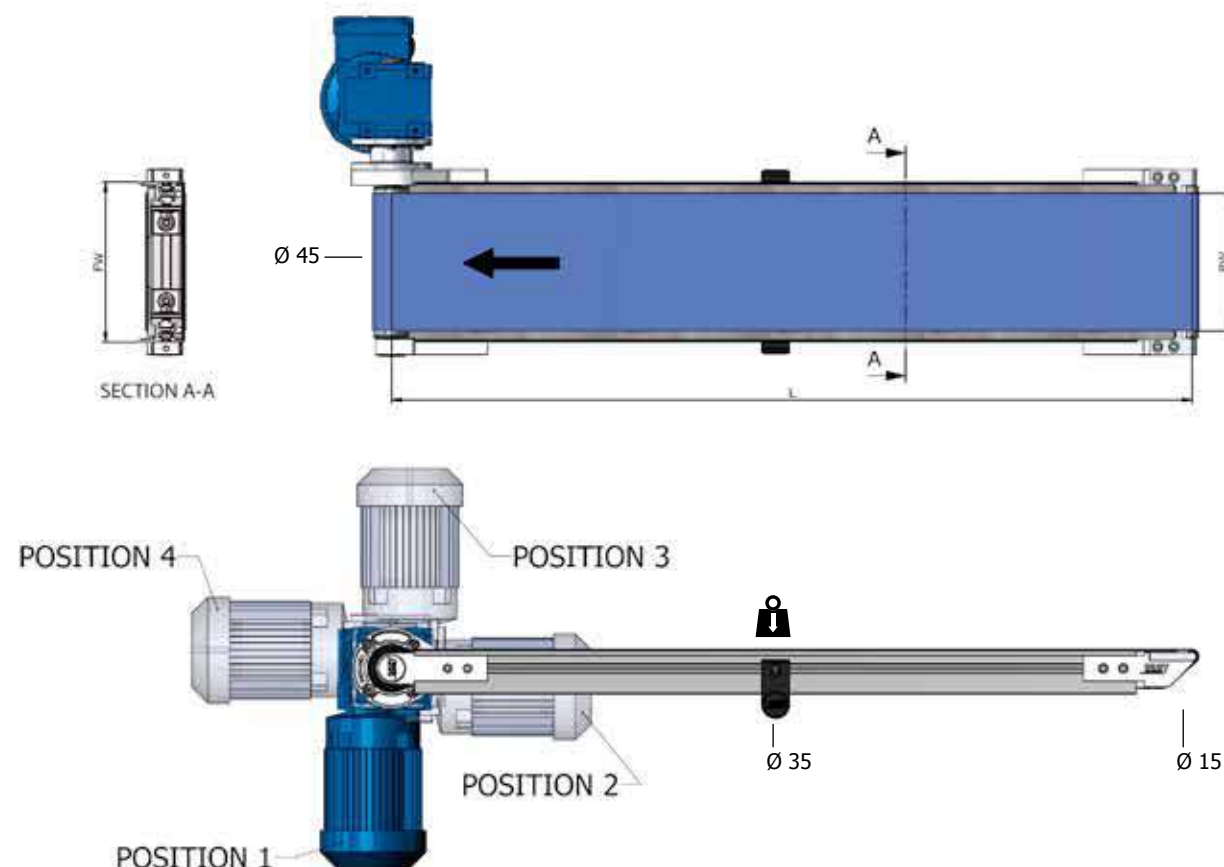


1	Head drive Kopfantrieb Entraînement Direct Cabeza de tracción	Module PAGE 204
2	Return set Ø 15 Umlenkungsatz Ø 15 Ensemble de retour diamètre 15 Reenvío Ø 15, juego	Module PAGE 216
3	EBS profile 40 EBS profil 40 Profilé EBS 40 Perfil EBS 40	Module PAGE 202
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 202
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 202
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 202
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234



EBS40-I1

TRANSMISSION DRIVE WITH Ø45 RETURN
INDIREKTER KOPFANTRIEB MIT Ø 45 UMLENKUNG
ENTRAÎNEMENT DÉPORTÉ AVEC RETOUR DIAMÈTRE 45
TRANSMISIÓN CON REENVÍO Ø 45

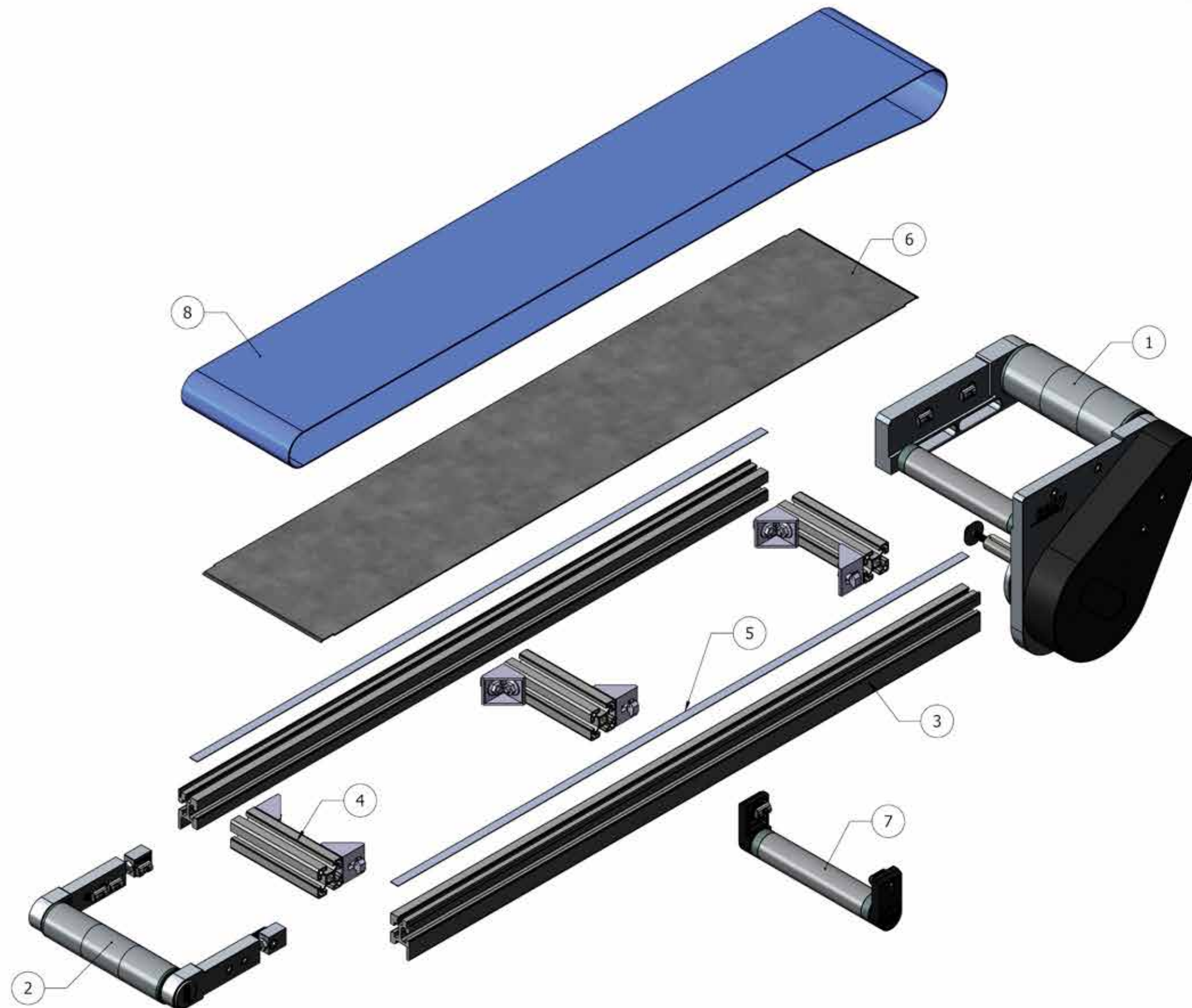


More technical information: See engineering online www.easy-conveyors.com

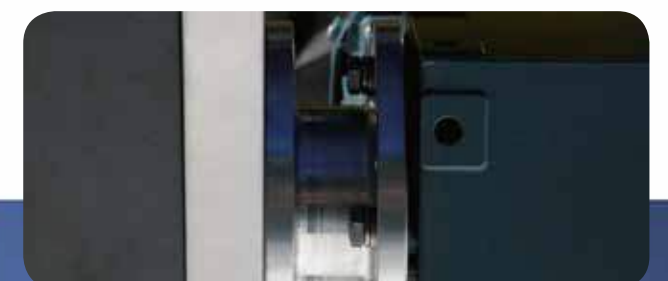
EBS 40-D2	Dimensions - Abmessungen - Dimensions - Dimensiones				
L =	260 - 5600 mm 10,24" - 220,47" inch				
FW =	100	200	300	400	500 mm
	3,93"	7,87"	11,81"	15,74"	19,68" inch
BW =	81	172	270	370	470 mm
	3,19"	6,77"	10,63"	14,57"	18,50" inch
V ≈	Max. 60 mtr./min 197 Foot/min				
ⓘ ≈	Max. 75 kg 165 Pounds				
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240				
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250				

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



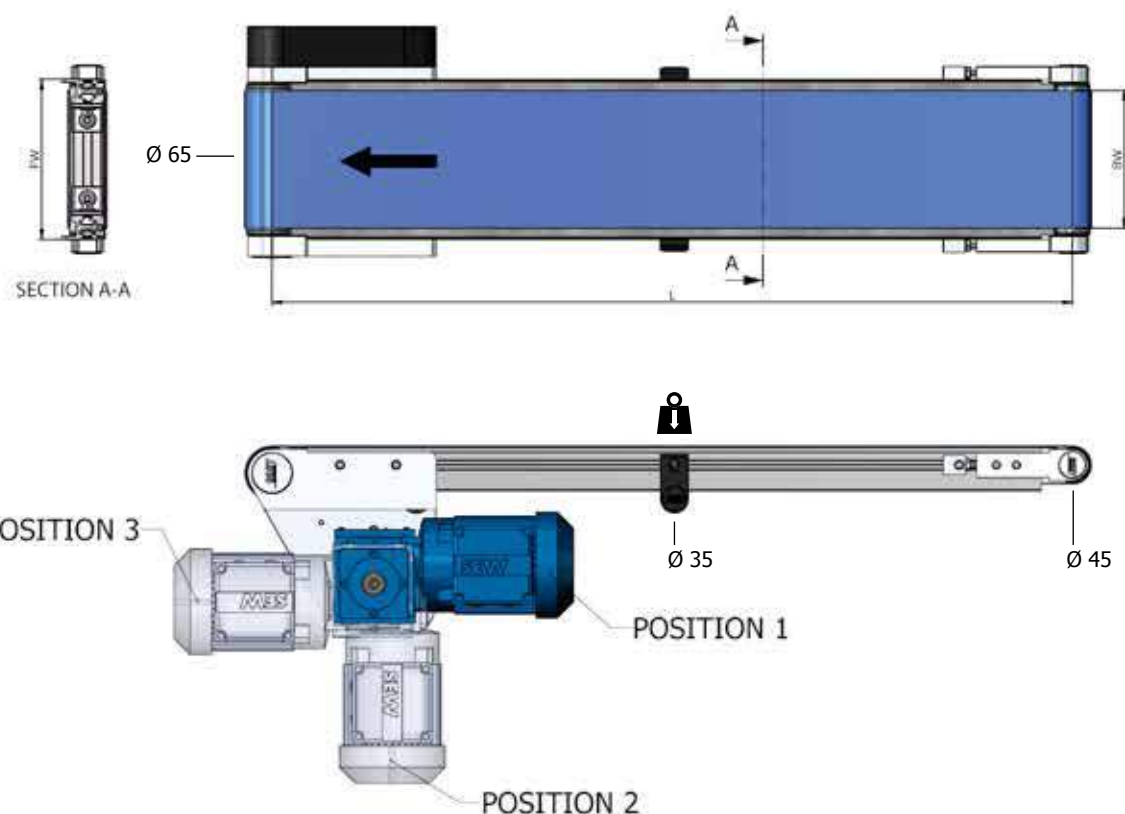


- | | |
|---|-----------------|
| 1 Transmission drive set
Indirekter Kopfantrieb – Satz
Ensemble Entraînement Déporté
Accionamiento transmisión, juego | Module PAGE 206 |
| 2 Return set Ø 45
Umlenkungsatz Ø 45
Ensemble de retour diamètre 45
Reenvío Ø 45, juego | Module PAGE 214 |
| 3 EBS profile 40
EBS profil 40
Profilé EBS 40
Perfil EBS 40 | Module PAGE 202 |
| 4 Straight connector
Längsverbinder
Connecteur droit
Conector longitudinal | Module PAGE 202 |
| 5 Top plate tape
Abdeckplatte Klebeband
Ruban adhésif pour plaque supérieure
Cinta adhesiva para chapa de apoyo | Module PAGE 202 |
| 6 Top plate
Abdeckplatte
Plaque supérieure
Chapa de apoyo | Module PAGE 202 |
| 7 Support roller
Unterstützungsrolle
Rouleau support
Rodillo de soporte | Module PAGE 238 |
| 8 Belt
Gurt
Courroie
Banda | Module PAGE 234 |



EBS40-I2

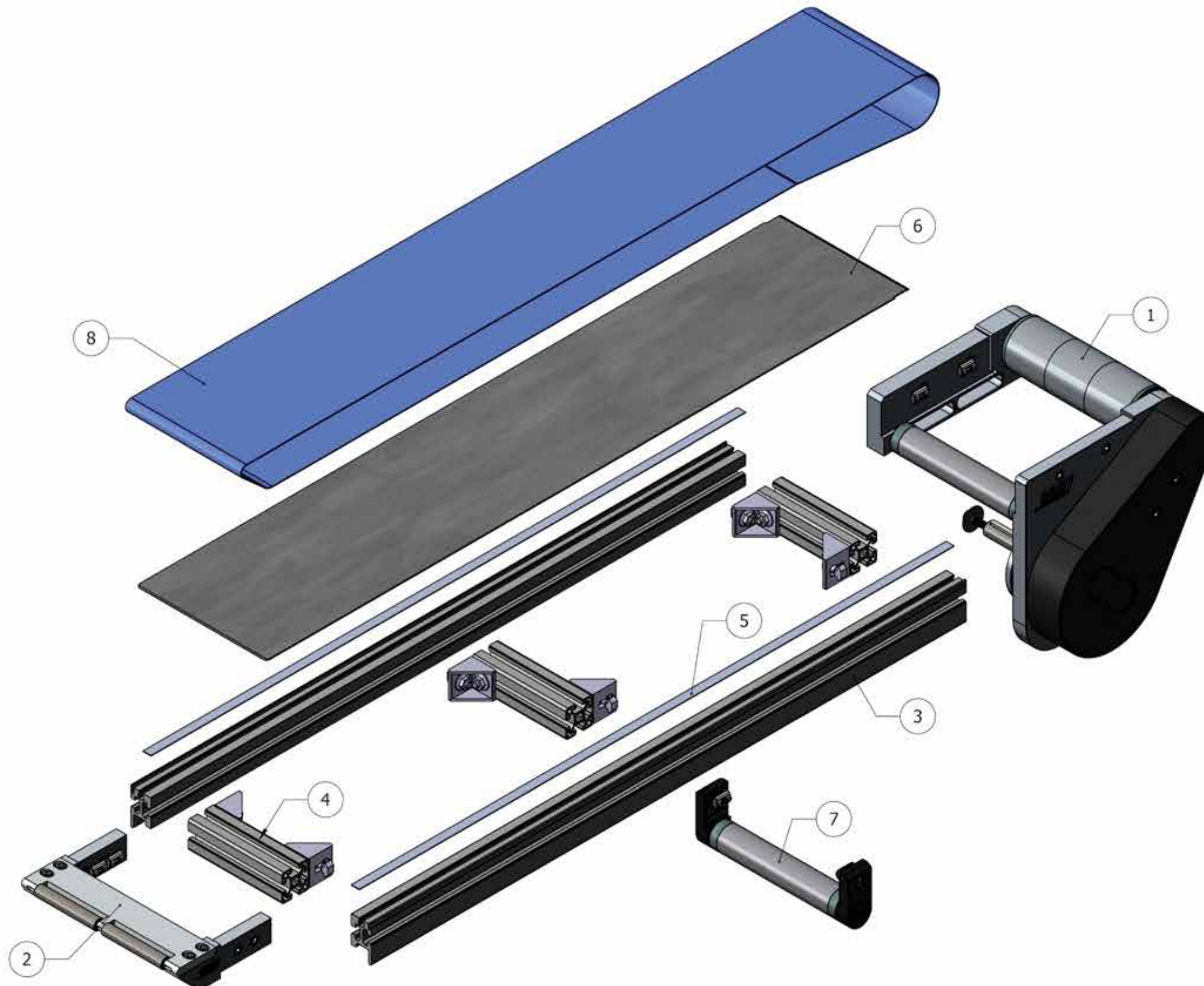
TRANSMISSION DRIVE WITH Ø15 RETURN
INDIREKTER KOPFANTRIEB MIT Ø 15 UMLENKUNG
ENTRAÎNEMENT DÉPORTÉ AVEC RETOUR DIAMÈTRE 15
TRANSMISIÓN CON REENVÍO Ø 15



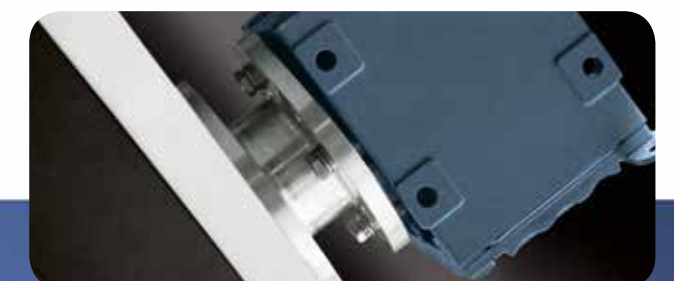
More technical information: See engineering online www.easy-conveyors.com

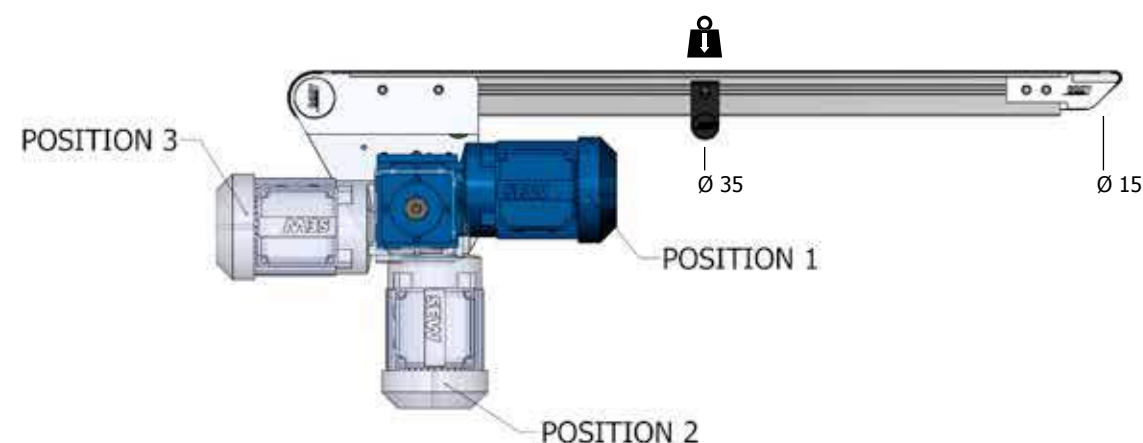
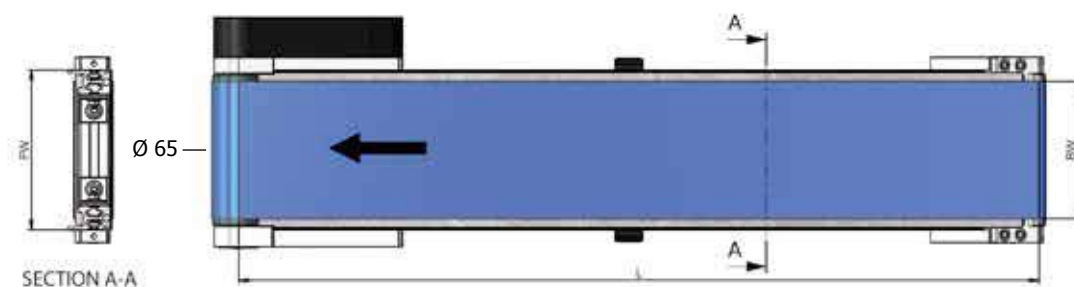
EBS 40-I1	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	370 - 5600 mm 14,57" - 220,47" inch					
FW =	100	200	300	400	500	600 mm
	3,93"	7,87"	11,81"	15,74"	19,68"	23,62" inch
BW =	81	172	270	370	470	560 mm
	3,19"	6,77"	10,63"	14,57"	18,50"	22,05" inch
V ≈	Max. 80 mtr./min 263 Foot/min					
ⓘ ≈	Max. 75 kg 165 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- | | |
|---|-----------------|
| 1 Transmission drive set
Indirekter Kopfantrieb – Satz
Ensemble Entraînement Déporté
Accionamiento transmisión, juego | Module PAGE 206 |
| 2 Return set Ø 15
Umlenkungsatz Ø 15
Ensemble de retour diamètre 15
Reenvío Ø 15, juego | Module PAGE 216 |
| 3 EBS profile 40
EBS profil 40
Profilé EBS 40
Perfil EBS 40 | Module PAGE 202 |
| 4 Straight connector
Längverbinder
Connecteur droit
Conector longitudinal | Module PAGE 202 |
| 5 Top plate tape
Abdeckplatte Klebeband
Ruban adhésif pour plaque supérieure
Cinta adhesiva para chapa de apoyo | Module PAGE 202 |
| 6 Top plate
Abdeckplatte
Plaque supérieure
Chapa de apoyo | Module PAGE 202 |
| 7 Support roller
Unterstützungsrolle
Rouleau support
Rodillo de soporte | Module PAGE 238 |
| 8 Belt
Gurt
Courroie
Banda | Module PAGE 234 |





More technical information: See engineering online www.easy-conveyors.com

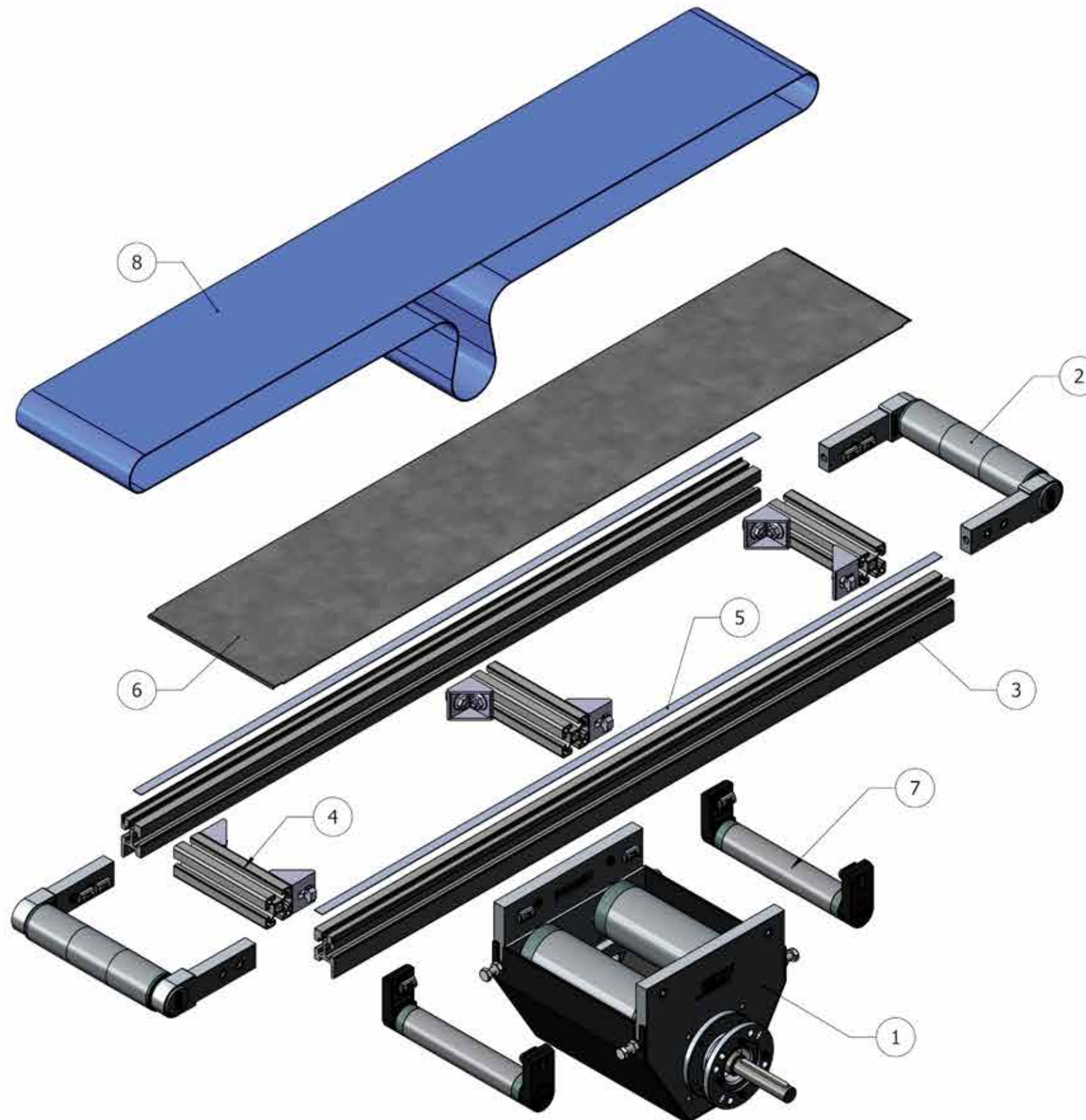
EBS 40-I2	Dimensions - Abmessungen - Dimensions - Dimensiones				
L =	345 - 5600 mm 13,58" - 220,47" inch				
FW =	100	200	300	400	500 mm
	3,93"	7,87"	11,81"	15,74"	19,68" inch
BW =	81	172	270	370	470 mm
	3,19"	6,77"	10,63"	14,57"	18,50" inch
V ≈	Max. 80 mtr./min 263 Foot/min				
ⓘ ≈	Max. 75 kg 165 Pounds				
Support legs, Stützen, Supports, Patas de apoyo				Module PAGE 240	
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral				Module PAGE 250	

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS40-M1

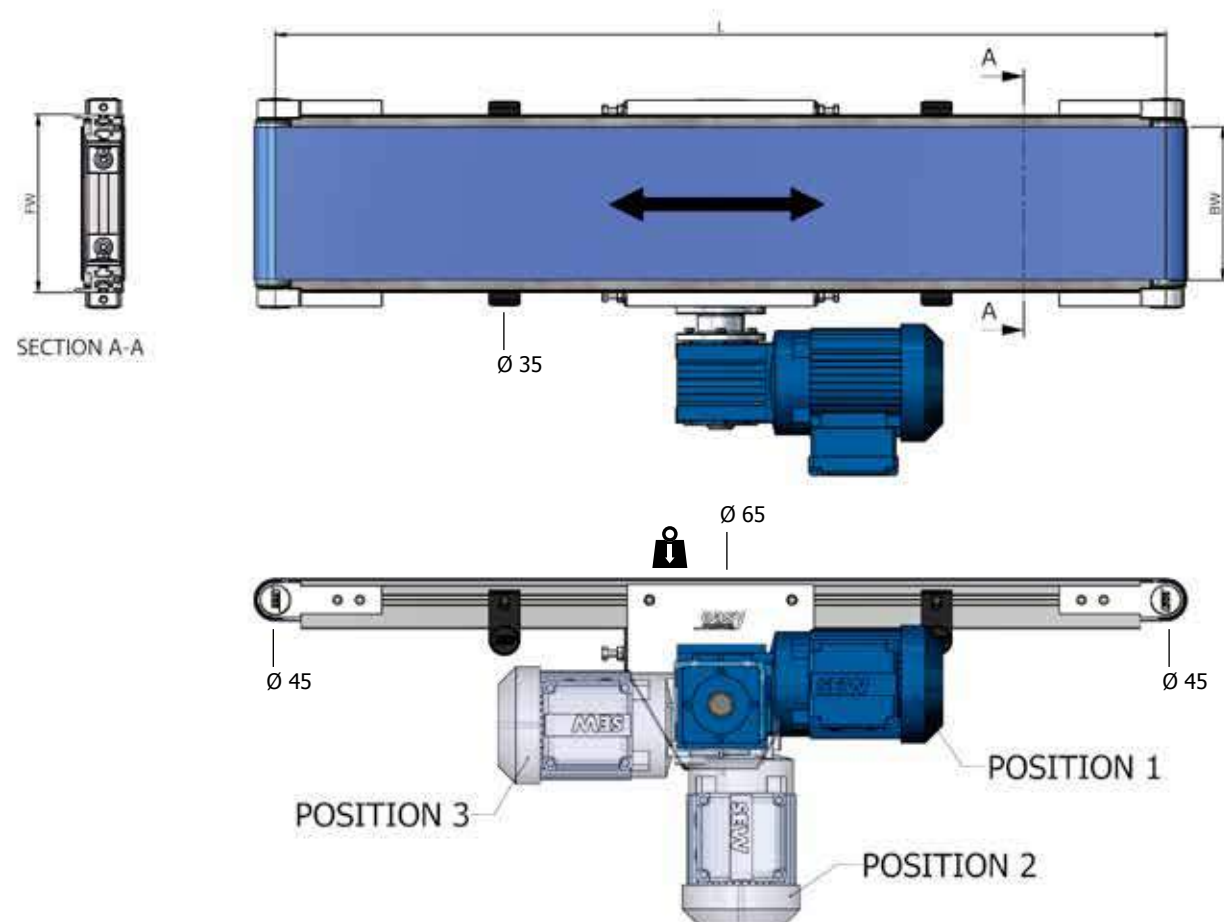
CENTER DRIVE WITH Ø45 RETURN
MITTIGER ANTRIEB MIT Ø 45 UMLENKUNG
ENTRAÎNEMENT INTERMÉDIAIRE AVEC RETOUR DIAMÈTRE 45
TRACCIÓN CENTRAL CON REENVÍO Ø 45





1 Center drive set Mittiger Antrieb - Satz Ensemble Entraînement Intermédiaire Accionamiento central, juego	Module PAGE 210
2 Return set Ø 45 Umlenkungsatz Ø 45 Ensemble de retour diamètre 45 Reenvío Ø 45, juego	Module PAGE 214
3 EBS profile 40 EBS profil 40 Profilé EBS 40 Perfil EBS 40	Module PAGE 202
4 Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 202
5 Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 202
6 Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 202
7 Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8 Belt Gurt Courroie Banda	Module PAGE 234





More technical information: See engineering online www.easy-conveyors.com

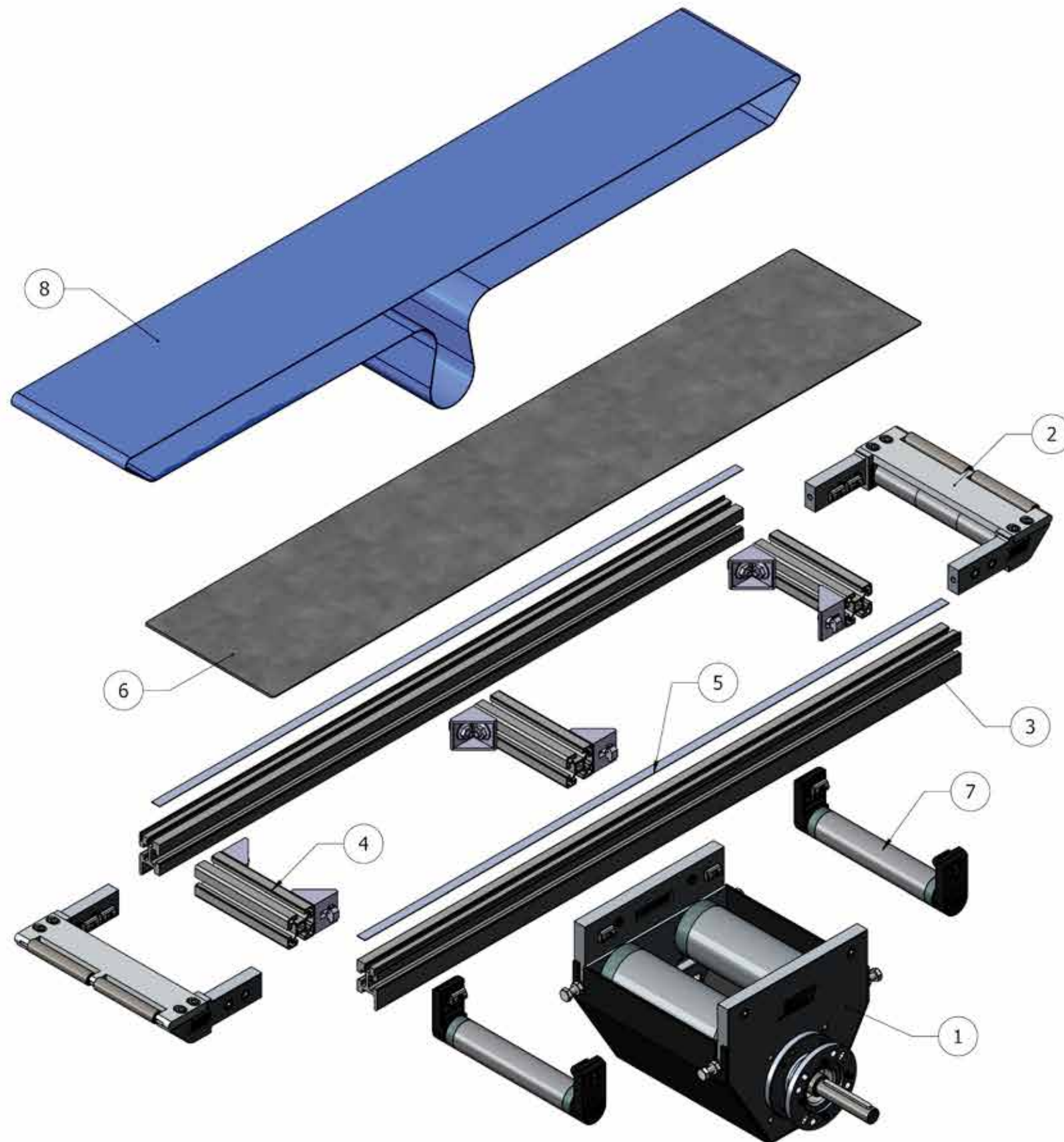
EBS 40-M1	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	450 - 5600 mm 17,72" - 220,47" inch					
FW =	100	200	300	400	500	600 mm
	3,93"	7,87"	11,81"	15,74"	19,68"	23,62" inch
BW =	81	172	270	370	470	560 mm
	3,19"	6,77"	10,63"	14,57"	18,50"	22,05" inch
V ≈	Max. 80 mtr./min 263 Foot/min					
ⓘ ≈	Max. 75 kg 165 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS40-M2

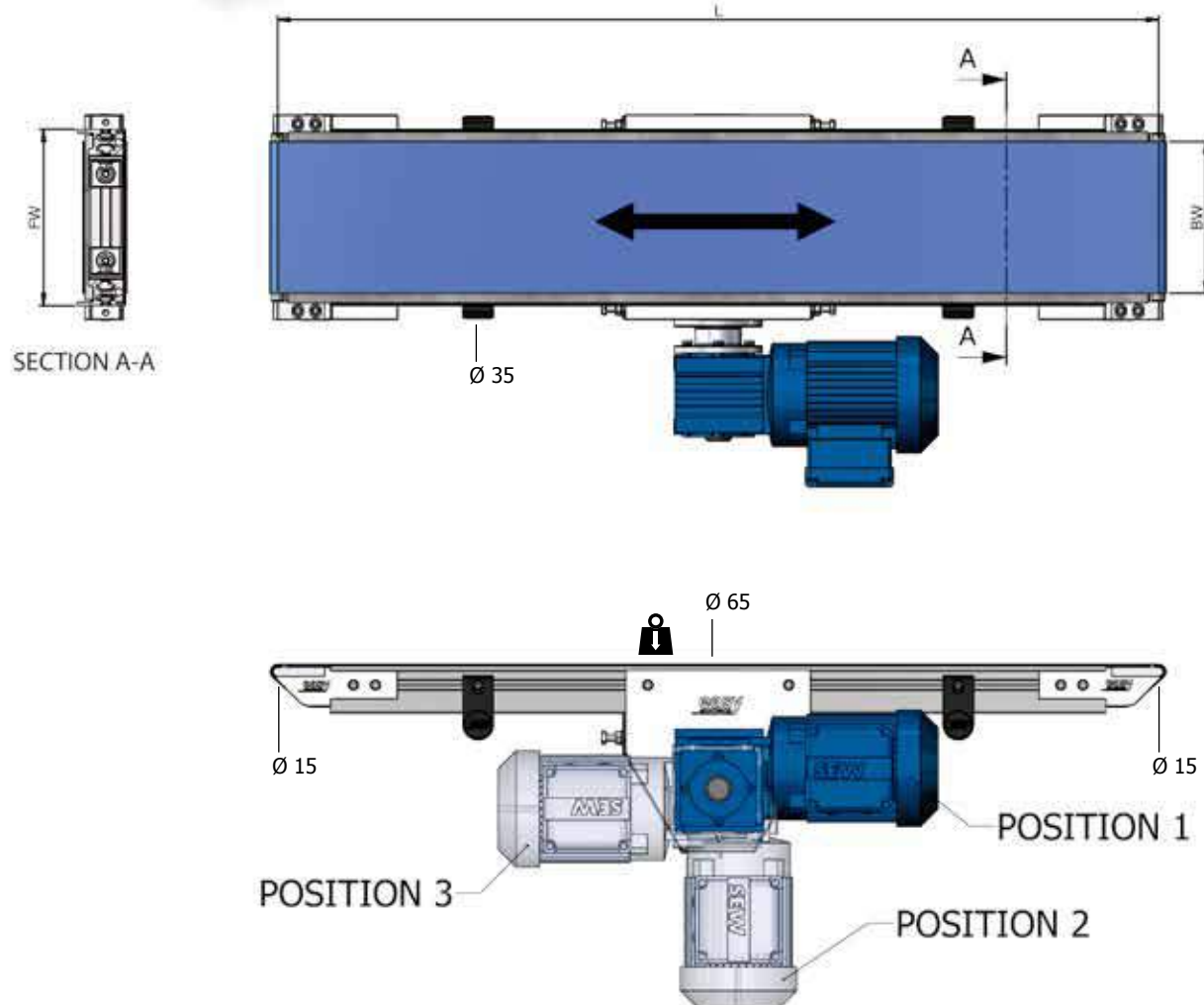
CENTER DRIVE WITH Ø15 RETURN
MITTIGER ANTRIEB MIT Ø 15 UMLENKUNG
ENTRAÎNEMENT INTERMÉDIAIRE AVEC RETOUR DIAMÈTRE 15
TRACCIÓN CENTRAL CON REENVÍO Ø 15





1	Center drive set Mittiger Antrieb - Satz Ensemble Entraînement Intermédiaire Accionamiento central, juego	Module PAGE 210
2	Return set Ø 15 Umlenkungsatz Ø 15 Ensemble de retour diamètre 15 Reenvío Ø 15, juego	Module PAGE 216
3	EBS profile 40 EBS profil 40 Profilé EBS 40 Perfil EBS 40	Module PAGE 202
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 202
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 202
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 202
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234





More technical information: See engineering online www.easy-conveyors.com

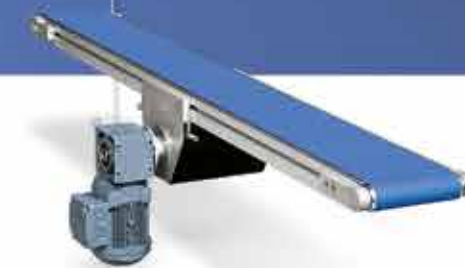
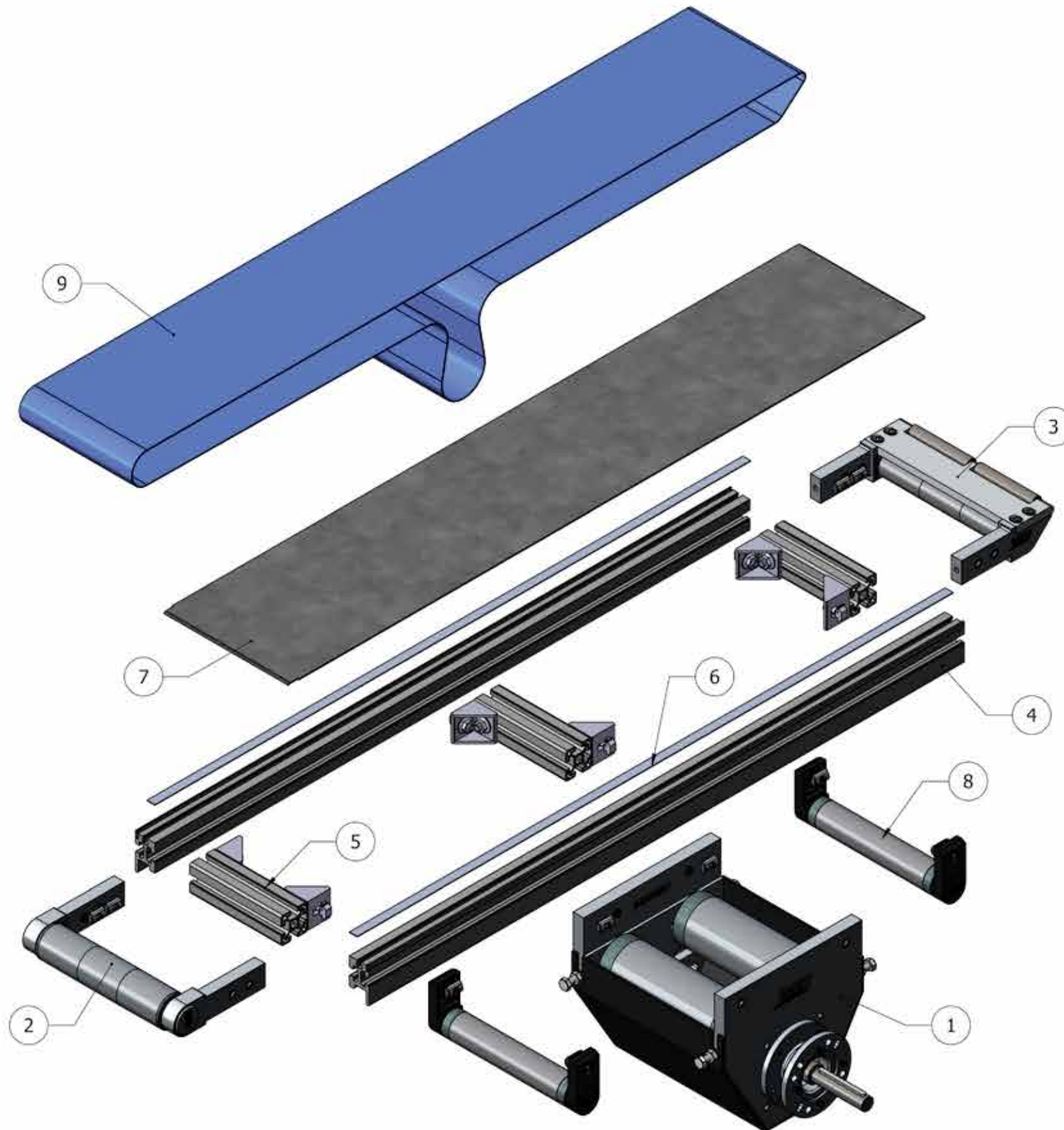
EBS 40-M2	Dimensions - Abmessungen - Dimensions - Dimensiones				
L =	450 - 5600 mm 17,72" - 220,47" inch				
FW =	100	200	300	400	500 mm 3,93" 7,87" 11,81" 15,74" 19,68" inch
BW =	81	172	270	370	470 mm 3,19" 6,77" 10,63" 14,57" 18,50" inch
V ≈	Max. 80 mtr./min 263 Foot/min				
ⓘ ≈	Max. 75 kg 165 Pounds				
Support legs, Stützen, Supports, Patas de apoyo				Module PAGE 240	
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral				Module PAGE 250	

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS40-M3

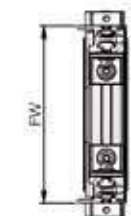
CENTER DRIVE WITH 1X Ø15 RETURN AND 1X Ø45
MITTIGER ANTRIEB MIT 1X Ø 15 UND 1X Ø 45 UMLENKUNG
ENTRAÎNEMENT INTERMÉDIAIRE AVEC RETOUR DIAMÈTRE 45 ET 15
TRACCIÓN CENTRAL CON REENVÍO 1X Ø 15 Y 1X Ø 45



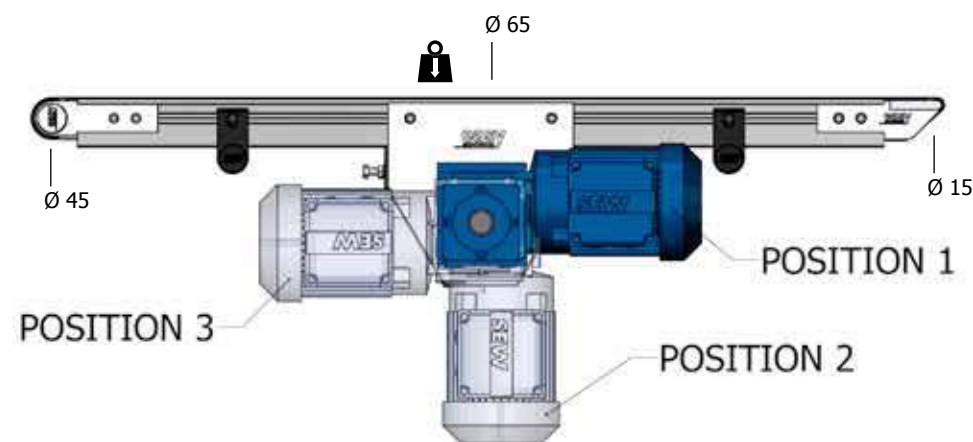
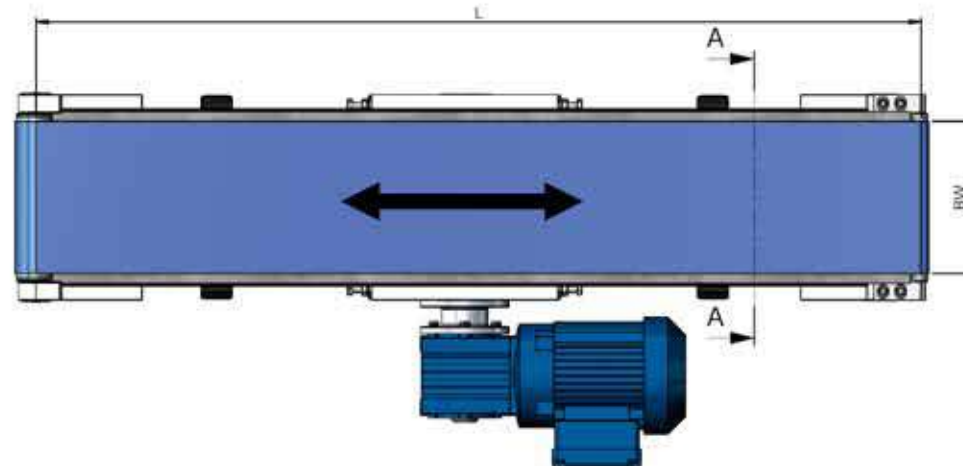


- | | | |
|---|--|-----------------|
| 1 | Center drive set
Mittiger Antrieb - Satz
Ensemble Entraînement Intermédiaire
Accionamiento central, juego | Module PAGE 210 |
| 2 | Return set Ø 45
Umlenkungsatz Ø 45
Ensemble de retour diamètre 45
Reenvío Ø 45, juego | Module PAGE 214 |
| 3 | Return set Ø 15
Umlenkungsatz Ø 15
Ensemble de retour diamètre 15
Reenvío Ø 15, juego | Module PAGE 216 |
| 4 | EBS profile 40
EBS profil 40
Profilé EBS 40
Perfil EBS 40 | Module PAGE 202 |
| 5 | Straight connector
Querstrebe
Connecteur droit
Tramo de unión | Module PAGE 202 |
| 6 | Top plate tape
Abdeckplatte Klebeband
Ruban adhésif pour plaque supérieure
Cinta adhesiva para chapa de apoyo | Module PAGE 202 |
| 7 | Top plate
Abdeckplatte
Plaque supérieure
Chapa de apoyo | Module PAGE 202 |
| 8 | Support roller
Unterstützungsrolle
Rouleau support
Rodillo de soporte | Module PAGE 238 |
| 9 | Belt
Gurt
Courroie
Banda | Module PAGE 234 |





SECTION A-A



More technical information: See engineering online www.easy-conveyors.com

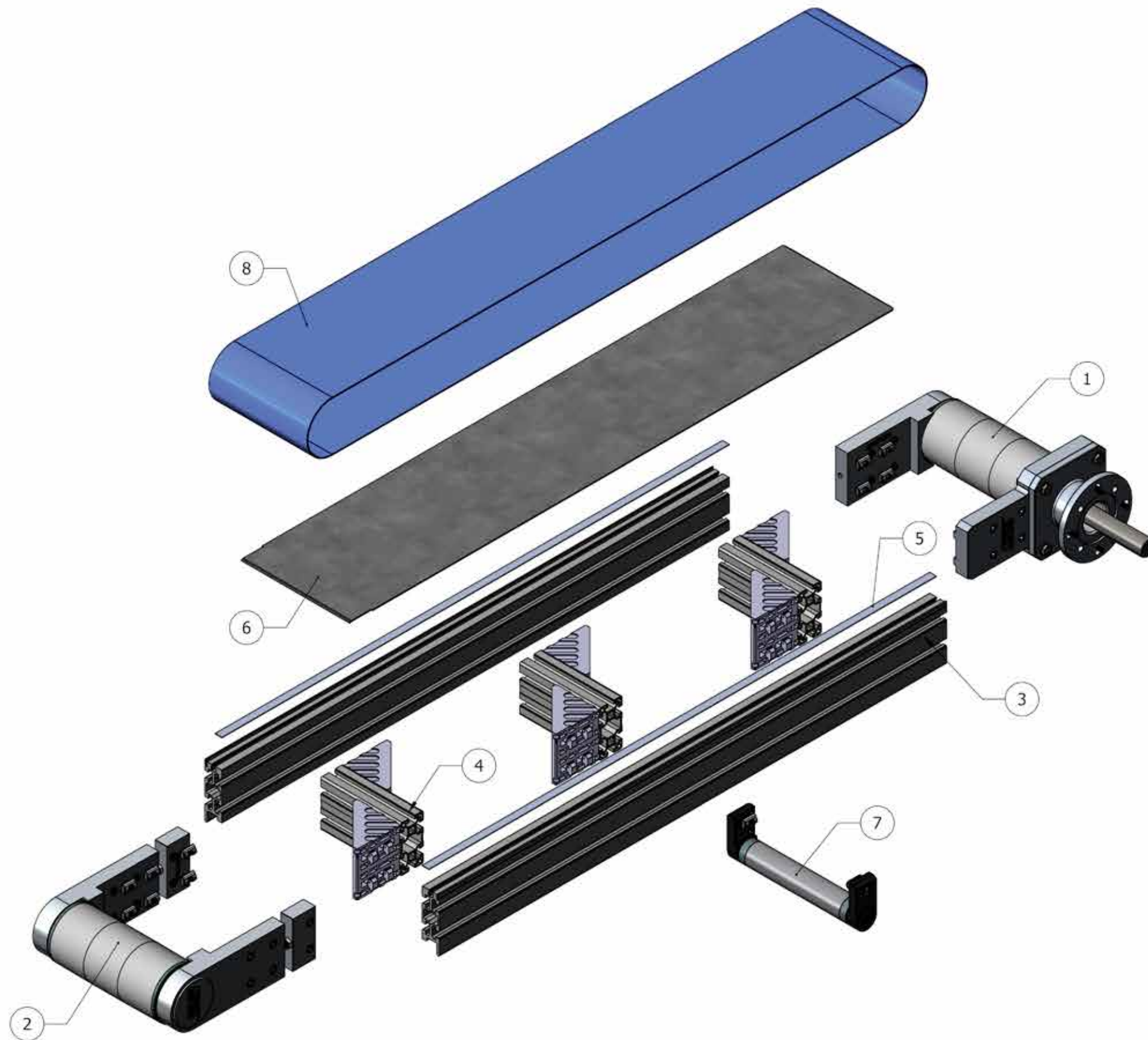
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L =	470 - 5600 mm 18,50" - 220,47" inch				
FW =	100	200	300	400	500 mm
	3,93"	7,87"	11,81"	15,74"	19,68 " inch
BW =	81	172	270	370	470 mm
	3,19"	6,77"	10,63"	14,57"	18,50" inch
V ≈	Max. 80 mtr./min 263 Foot/min				
⚖ ≈	Max. 75 kg 165 Pounds				
Support legs, Stützen, Supports, Patas de apoyo			Module PAGE 240		
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral			Module PAGE 250		

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS80-D1

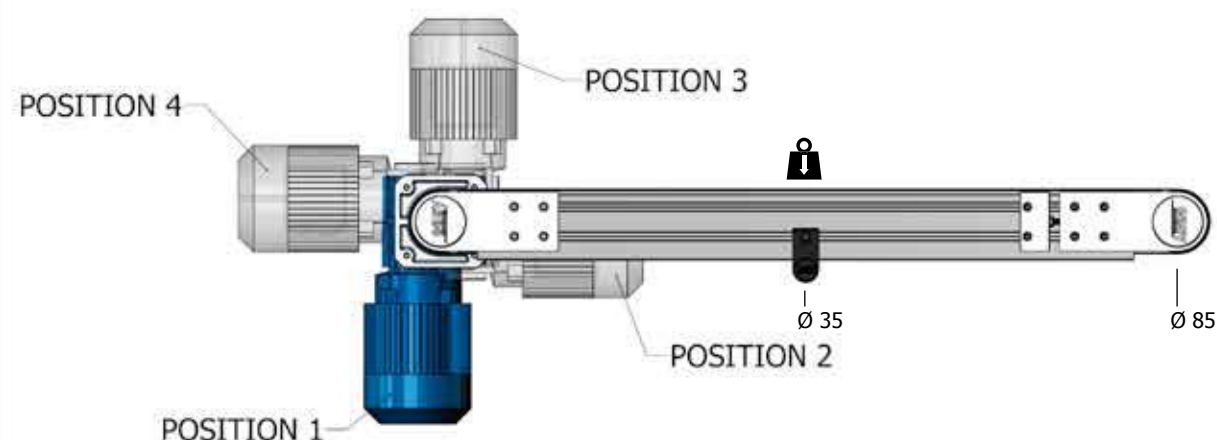
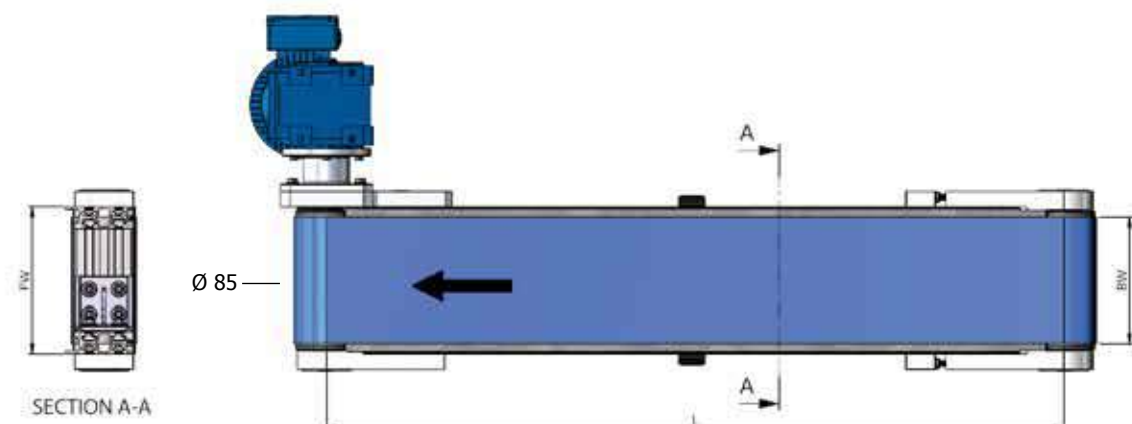
HEAD DRIVE WITH Ø85 RETURN
KOPFANTRIEB MIT UMLENKUNG Ø 85
ENTRAÎNEMENT DIRECT AVEC RETOUR DIAMÈTRE 85
CABEZA DE TRACCIÓN CON EJE Ø 85





1	Head drive Kopfantrieb Entraînement Direct Cabeza de tracción	Module PAGE 220
2	Return set Ø 85 Umlenkungsatz Ø 85 Ensemble de retour diamètre 85 Reenvío Ø 85, juego	Module PAGE 232
3	EBS profile 80 EBS profil 80 Profilé EBS 80 Perfil EBS 80	Module PAGE 220
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 220
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 220
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 220
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234





More technical information: See engineering online www.easy-conveyors.com

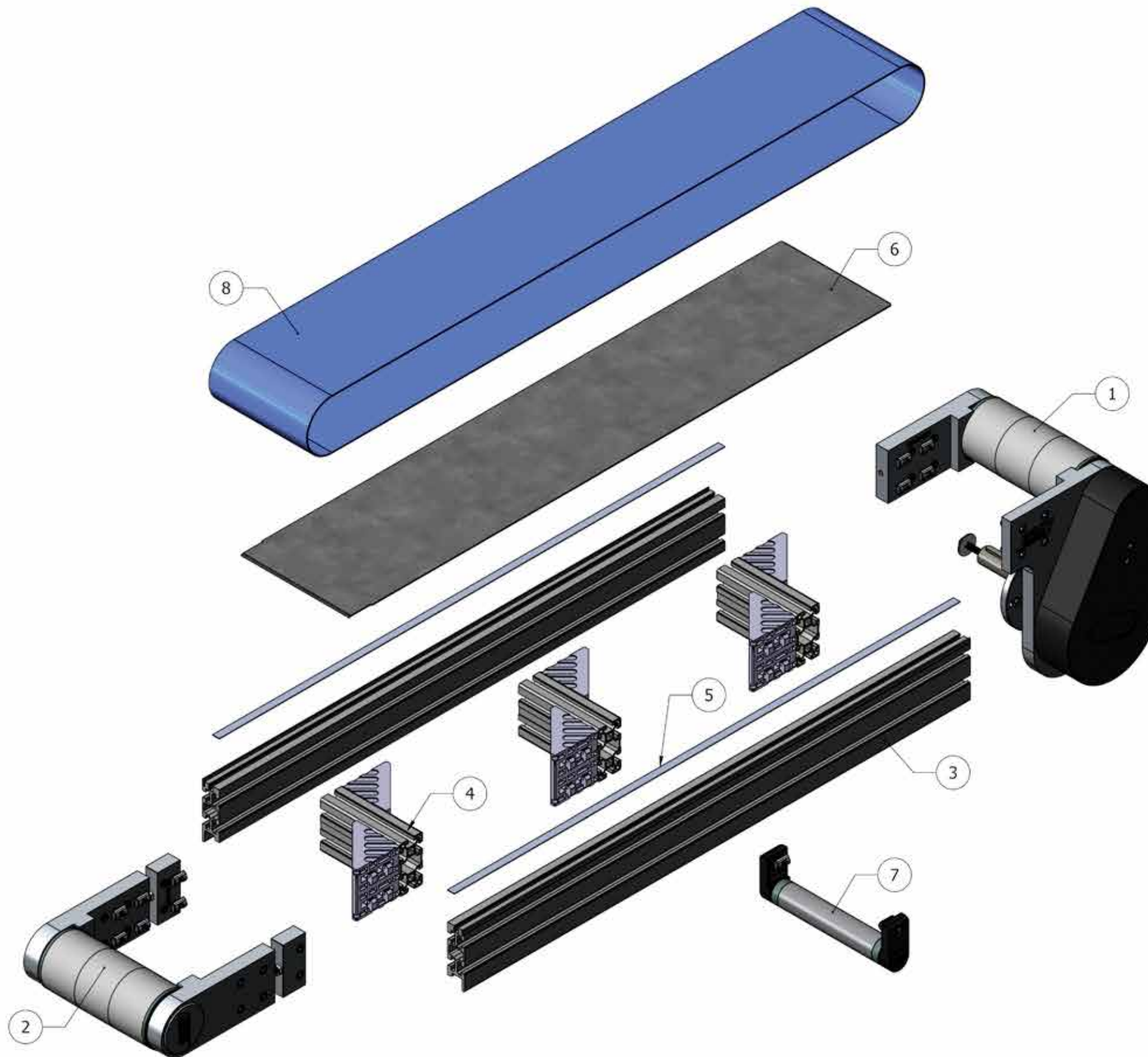
EBS 80-D1	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	380 - 11200 mm 14,96" - 440,94" inch					
FW =	200	400	600	800	1000	1200 mm
	7,87"	15,74"	23,62"	31,49"	39,37"	47,24" inch
BW =	172	370	560	760	960	1160 mm
	6,77"	14,57"	22,05"	29,92"	73,80"	45,67" inch
V ≈	Max. 85 mtr./min 279 Foot/min					
⚠ ≈	Max. 150 kg 331 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS80-I1

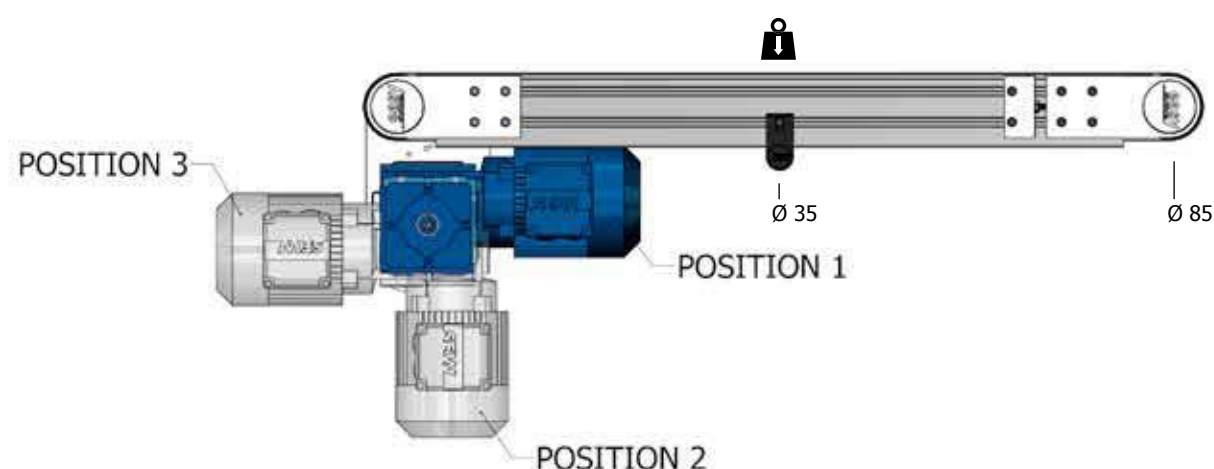
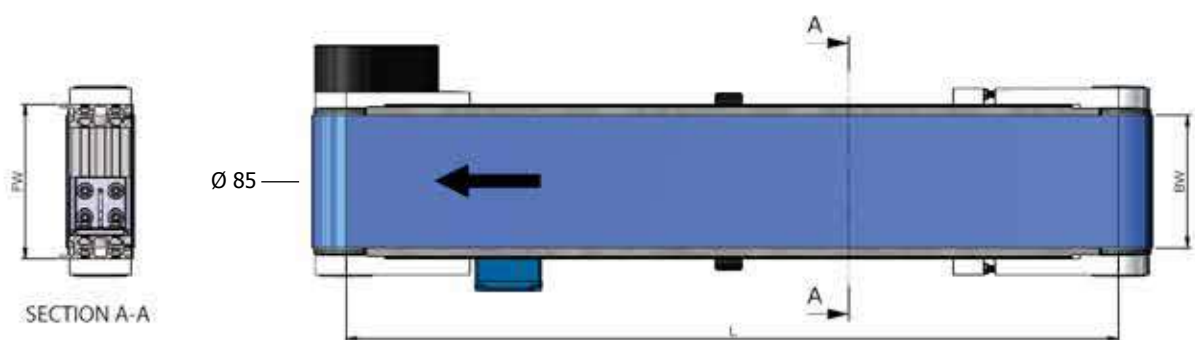
TRANSMISSION DRIVE WITH Ø85 RETURN
INDIREKTER KOPFANTRIEB MIT Ø 85 UMLENKUNG
ENTRAÎNEMENT DÉPORTÉ AVEC RETOUR DIAMÈTRE 85
TRANSMISIÓN CON REENVÍO Ø 85





- | | |
|---|-----------------|
| 1 Transmission drive set
Indirekter Kopfantrieb – Satz
Ensemble Entraînement Déporté
Accionamiento transmisión, juego | Module PAGE 224 |
| 2 Return set Ø 85
Umlenkungsatz Ø 85
Ensemble de retour diamètre 85
Reenvío Ø 85, juego | Module PAGE 232 |
| 3 EBS profile 80
EBS profil 80
Profilé EBS 80
Perfil EBS 80 | Module PAGE 220 |
| 4 Straight connector
Längverbinder
Connecteur droit
Conector longitudinal | Module PAGE 220 |
| 5 Top plate tape
Abdeckplatte Klebeband
Ruban adhésif pour plaque supérieure
Cinta adhesiva para chapa de apoyo | Module PAGE 220 |
| 6 Top plate
Abdeckplatte
Plaque supérieure
Chapa de apoyo | Module PAGE 220 |
| 7 Support roller
Unterstützungsrolle
Rouleau support
Rodillo de soporte | Module PAGE 238 |
| 8 Belt
Gurt
Courroie
Banda | Module PAGE 234 |





More technical information: See engineering online www.easy-conveyors.com

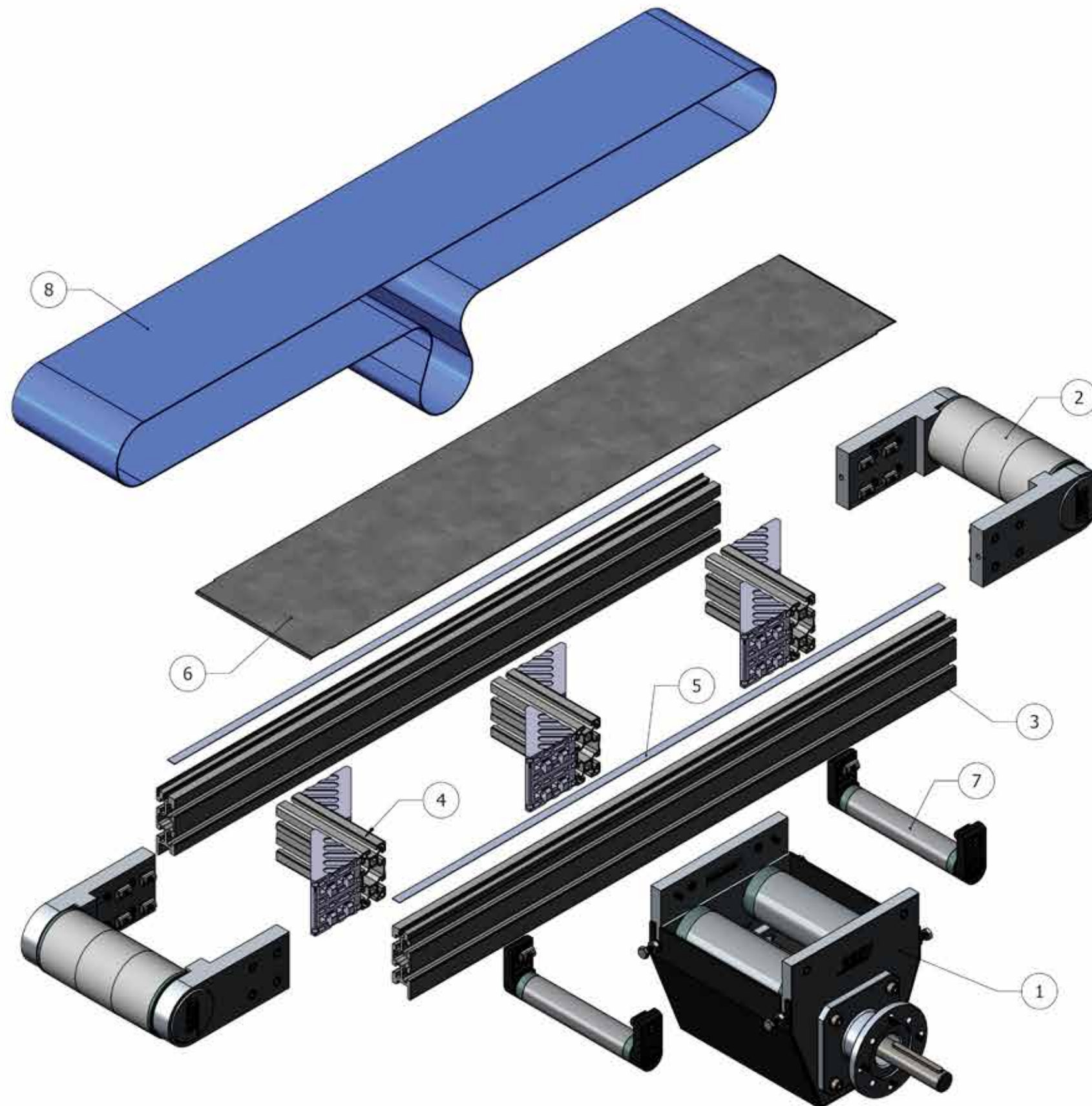
EBS 80-11	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	380 - 11200 mm 14,96" - 440,94" inch					
FW =	200	400	600	800	1000	1200 mm
	7,87"	15,74"	23,62"	31,49"	39,37"	47,24" inch
BW =	172	370	560	760	960	1160 mm
	6,77"	14,57"	22,05"	29,92"	73,80"	45,67" inch
V ≈	Max. 85 mtr./min 279 Foot/min					
ⓘ ≈	Max. 150 kg 331 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

EBS80-M1

CENTER DRIVE WITH Ø85 RETURN
MITTIGER ANTRIEB MIT Ø 85 UMLENKUNG
ENTRAÎNEMENT INTERMÉDIAIRE AVEC RETOUR DIAMÈTRE 85
TRACCIÓN CENTRAL CON REENVÍO Ø 85



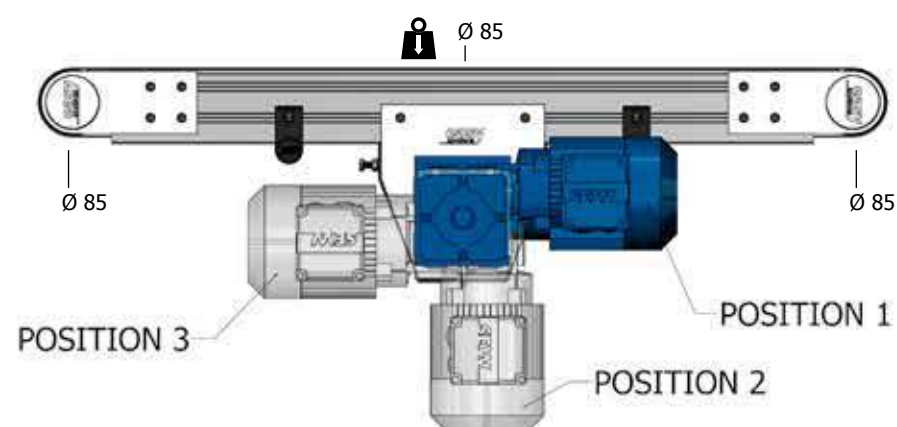
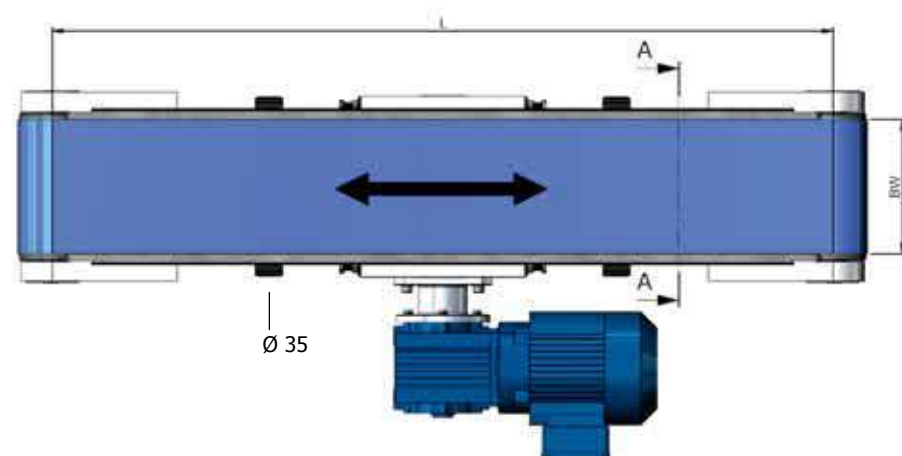


- | | |
|---|-----------------|
| 1 Center drive set
Mittiger Antrieb - Satz
Ensemble Entraînement Intermédiaire
Accionamiento central, juego | Module PAGE 228 |
| 2 Return set Ø 85
Umlenkungsatz Ø 85
Ensemble de retour diamètre 85
Reenvío Ø 85, juego | Module PAGE 232 |
| 3 EBS profile 80
EBS profil 80
Profilé EBS 80
Perfil EBS 80 | Module PAGE 220 |
| 4 Straight connector
Längverbinder
Connecteur droit
Conector longitudinal | Module PAGE 220 |
| 5 Top plate tape
Abdeckplatte Klebeband
Ruban adhésif pour plaque supérieure
Cinta adhesiva para chapa de apoyo | Module PAGE 220 |
| 6 Top plate
Abdeckplatte
Plaque supérieure
Chapa de apoyo | Module PAGE 220 |
| 7 Support roller
Unterstützungsrolle
Rouleau support
Rodillo de soporte | Module PAGE 238 |
| 8 Belt
Gurt
Courroie
Banda | Module PAGE 234 |





SECTION A-A



More technical information: See engineering online www.easy-conveyors.com

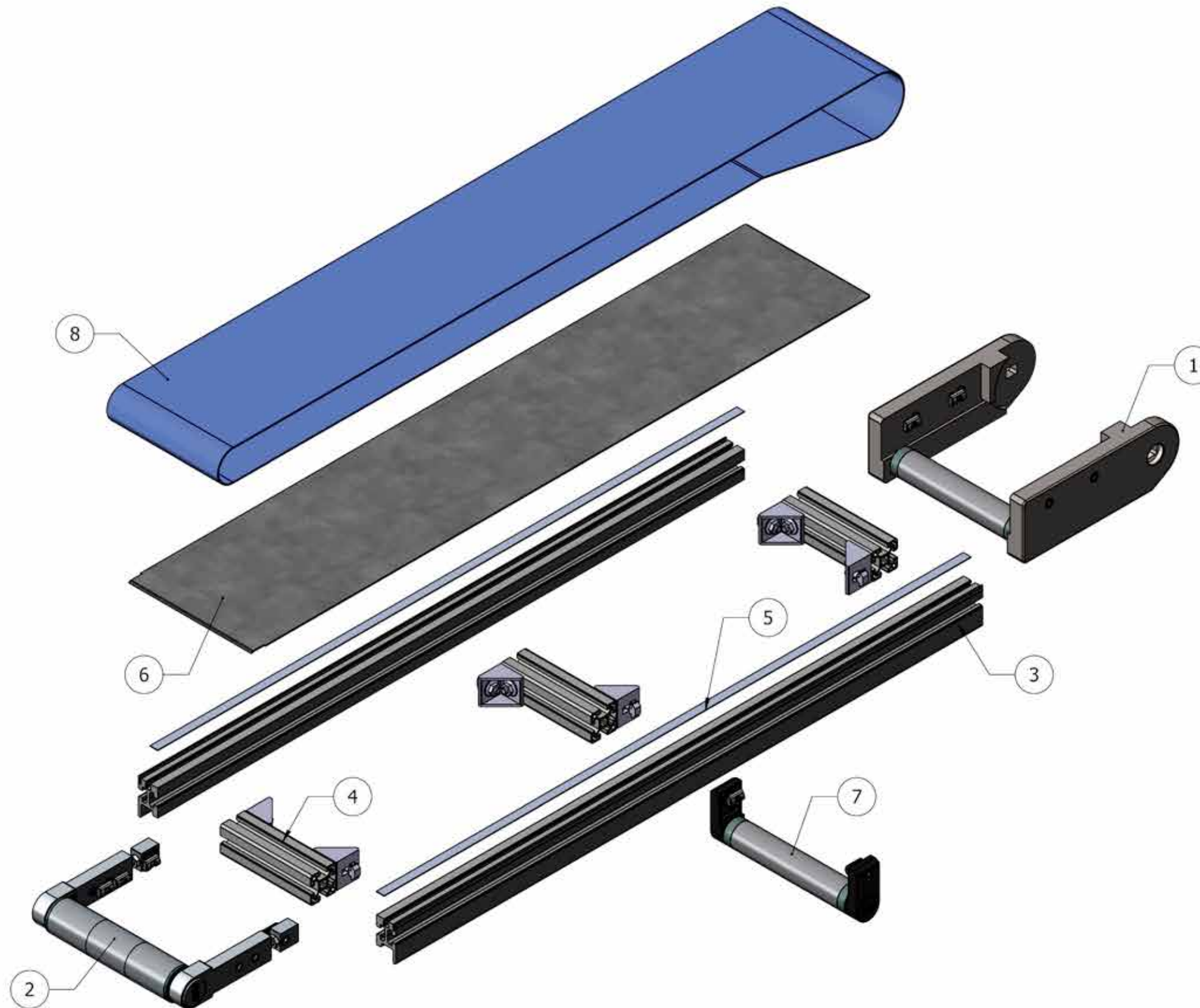
EBS 80-M1	Dimensions - Abmessungen - Dimensions - Dimensiones					
L =	535 - 11200 mm 21,06" - 440,94" inch					
FW =	200	400	600	800	1000	1200 mm
	7,87"	15,74"	23,62"	31,49"	39,37"	47,24" inch
BW =	172	370	560	760	960	1160 mm
	6,77"	14,57"	22,05"	29,92"	73,80"	45,67" inch
V ≈	Max. 85 mtr./min 279 Foot/min					
ⓘ ≈	Max. 150 kg 331 Pounds					
Support legs, Stützen, Supports, Patas de apoyo	Module PAGE 240					
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral	Module PAGE 250					

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

ECDR40

DRUM DRIVE WITH Ø45 RETURN
TROMMEL KOPFANTRIEB MIT Ø 45 UMLENKUNG
TA MBOUR ENTRAÎNEMENT DIRECT AVEC RETOUR DIAMÈTRE 45
TA MBOR CABEZA DE TRACCIÓN CON REENVÍO Ø 45



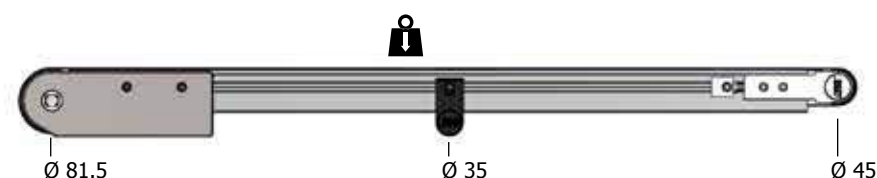
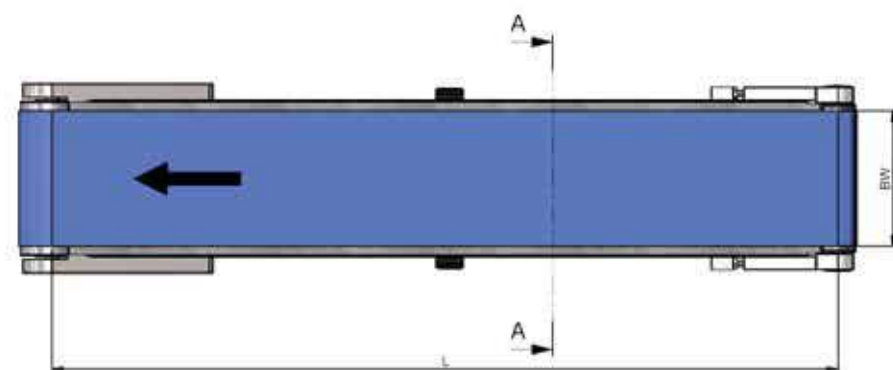


1	Drum head drive Trommel kopfantrieb Tambour entraînement Direct Tambor cabeza de tracción	Module PAGE 212
2	Return set Ø 45 Umlenkungsatz Ø 45 Ensemble de retour diamètre 45 Reenvío Ø 45, juego	Module PAGE 214
3	EBS profile 40 EBS profil 40 Profilé EBS 40 Perfil EBS 40	Module PAGE 202
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 202
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 202
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 202
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234





SECTION A-A



More technical information: See engineering online www.easy-conveyors.com

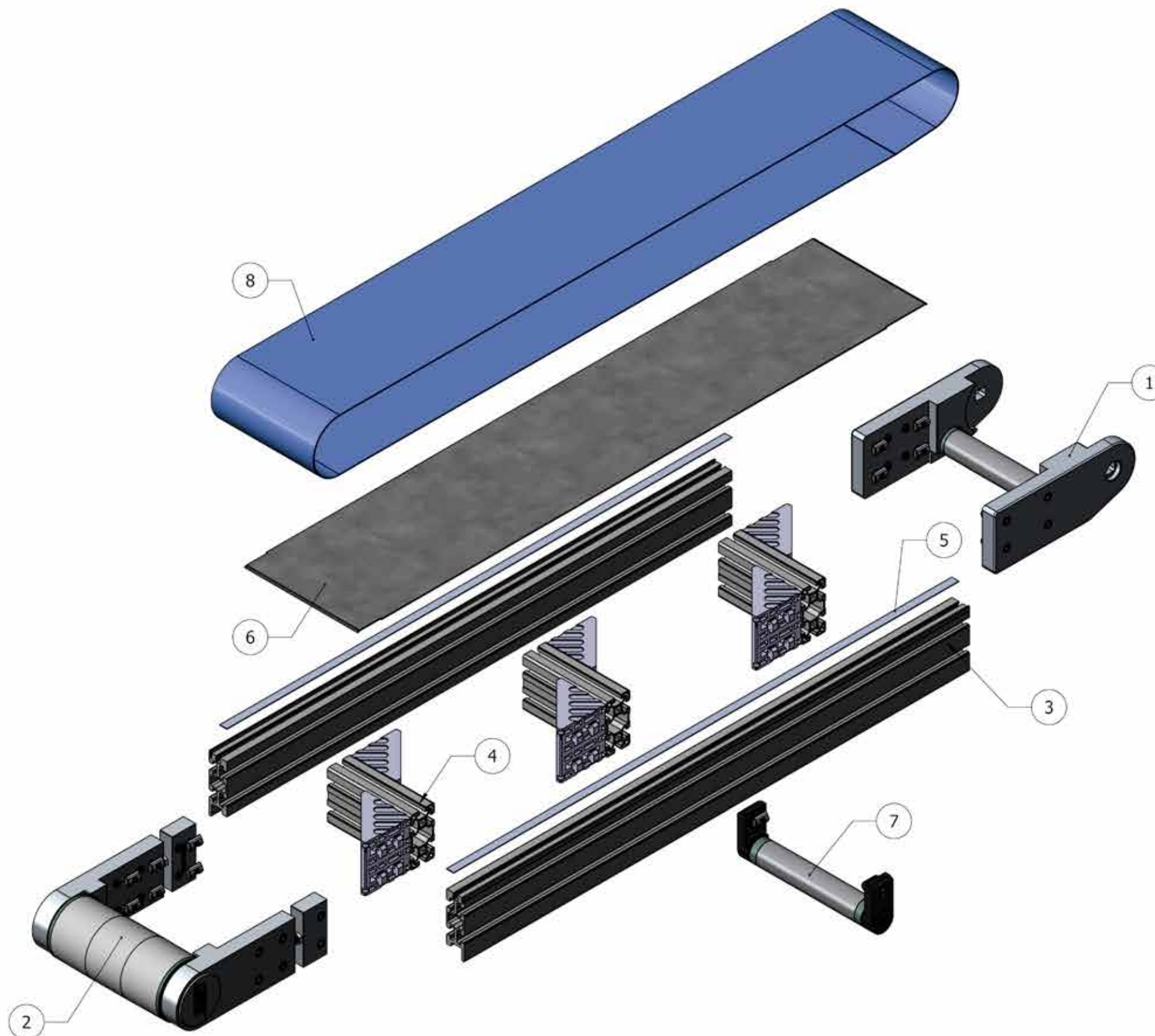
ECDR 40	Dimensions - Abmessungen - Dimensions - Dimensiones				
L =	367 - 5600 mm 14,45" - 220,47" inch				
FW =	200	300	400	500	600 mm 7,87" 11,81" 15,74" 19,68" 23,62" inch
BW =	172	270	370	470	560 mm 6,77" 10,63" 14,57" 18,50" 22,05" inch
V ≈	Max. 60 mtr./min 197 Foot/min				
ⓘ ≈	Max. 35 kg 77 Pounds				
Support legs, Stützen, Supports, Patas de apoyo				Module PAGE 240	
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral				Module PAGE 250	

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

ECDR80

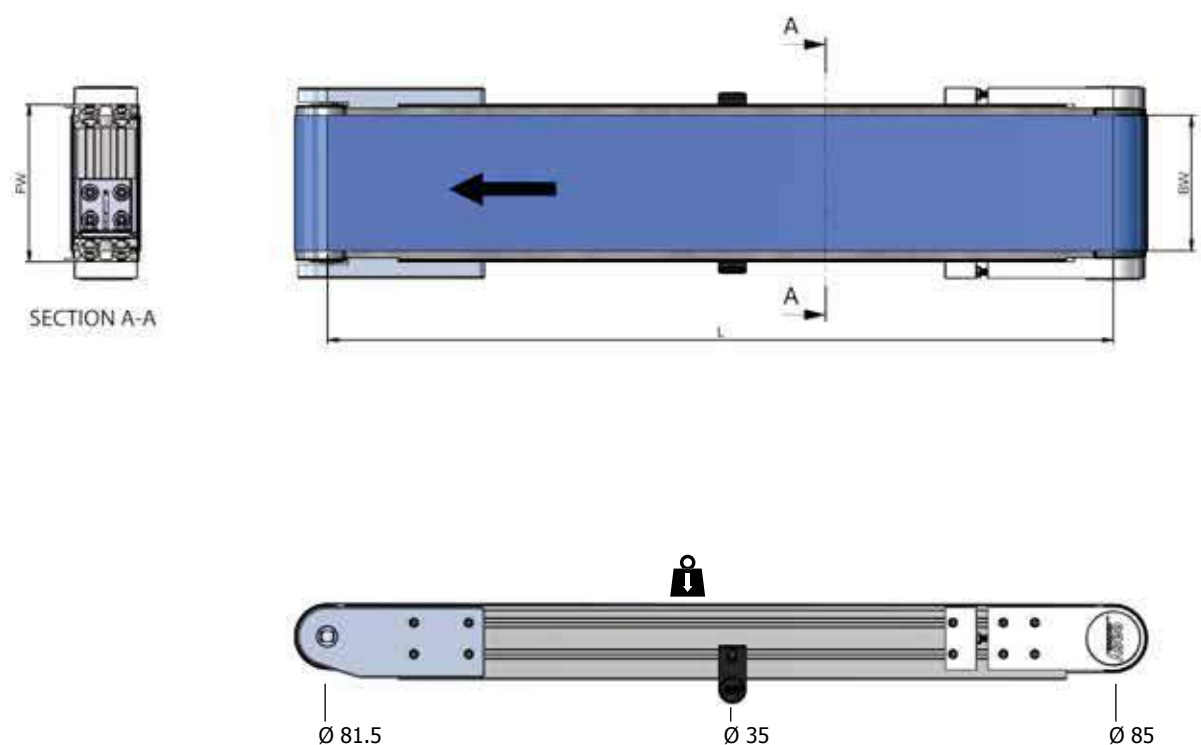
DRUM DRIVE WITH Ø85 RETURN
TROMMEL KOPFANTRIEB MIT Ø 85 UMLENKUNG
TA MBOUR ENTRAÎNEMENT DIRECT AVEC RETOUR DIAMÈTRE 85
TA MBOR CABEZA DE TRACCIÓN CON REENVÍO Ø 85





1	Drum head drive Trommel kopfantrieb Tambour entraînement Direct Tambor cabeza de tracción	Module PAGE 92
2	Return set Ø 85 Umlenkungsatz Ø 85 Ensemble de retour diamètre 85 Reenvío Ø 85, juego	Module PAGE 232
3	EBS profile 80 EBS profil 80 Profilé EBS 80 Perfil EBS 80	Module PAGE 220
4	Straight connector Längsverbinder Connecteur droit Conector longitudinal	Module PAGE 220
5	Top plate tape Abdeckplatte Klebeband Ruban adhésif pour plaque supérieure Cinta adhesiva para chapa de apoyo	Module PAGE 220
6	Top plate Abdeckplatte Plaque supérieure Chapa de apoyo	Module PAGE 220
7	Support roller Unterstützungsrolle Rouleau support Rodillo de soporte	Module PAGE 238
8	Belt Gurt Courroie Banda	Module PAGE 234

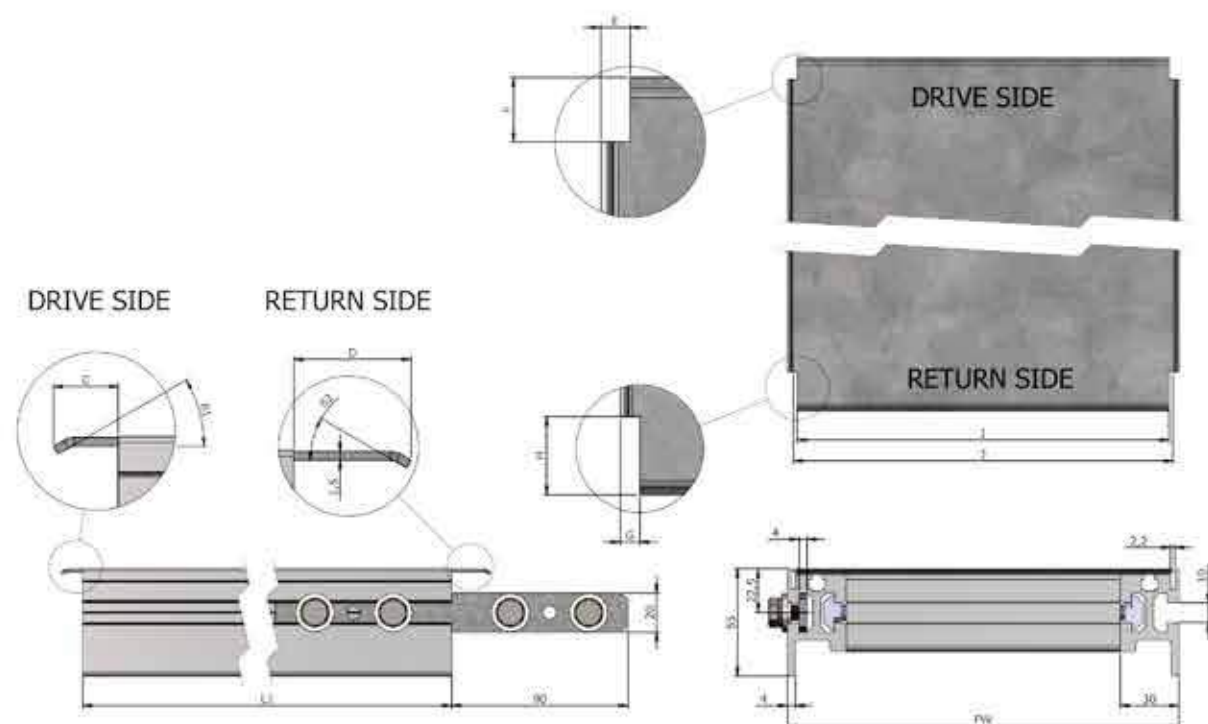




More technical information: See engineering online www.easy-conveyors.com

EC80	Dimensions - Abmessungen - Dimensions - Dimensiones			
L =	415 - 11200 mm 16,34" - 440,94" inch			
FW =	200	400	600	800 mm 7,87" 15,74" 23,62" 31,49" inch
BW =	172	370	560	760 mm 6,77" 14,57" 22,05" 29,92" inch
V ≈	Max. 60 mtr./min 197 Foot/min			
ⓘ ≈	Max. 35 kg 77 Pounds			
Support legs, Stützen, Supports, Patas de apoyo			Module PAGE 240	
Side guiding, Seitenführungen, Guidage latéral, Guiado lateral			Module PAGE 250	

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

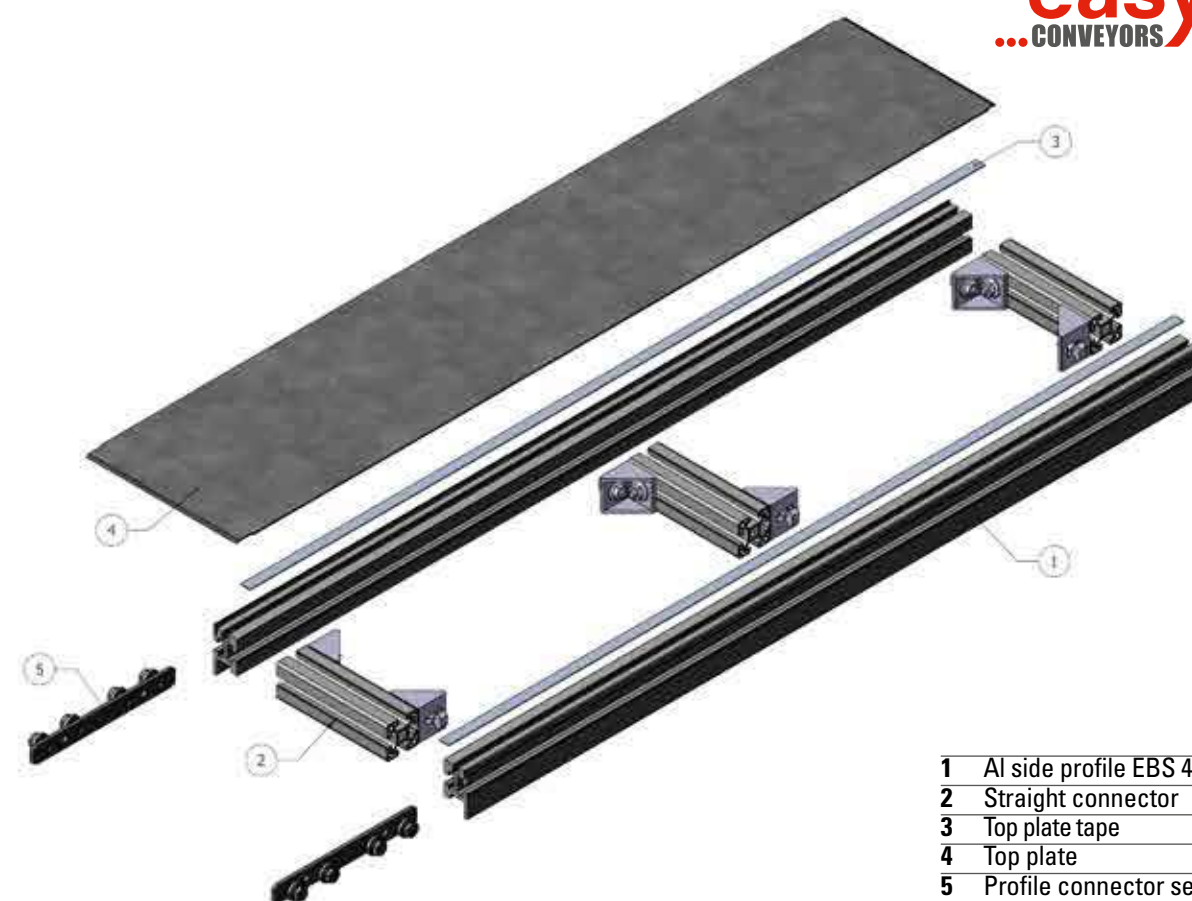


More technical information: See engineering online www.easy-conveyors.com

	C	D	E	F	G	H	I-return	I-drive	J	J*	B1	B2	L1
* With fixed side guiding, mit fester Seitenführung, Avec le cote de guidage fixe, Con guía lateral fija													
EBS 40 - D1	11	20	5	11	5	20	FW-10	FW-10	FW-6	W-9	30°	30°	L-68
EBS 40 - D2	11	50	5	11	-	-	-	FW-10	FW-6	W-9	30°	-	L-99
EBS 40 - I1	23	20	5	23	5	20	FW-10	FW-10	FW-6	W-9	30°	30°	L-83
EBS 40 - I2	23	50	5	23	-	-	-	FW-10	FW-6	W-9	30°	-	L-103
EBS 40 - M1	14.5	14.5	5	14.5	5	14.5	FW-10	FW-10	FW-6	W-9	30°	30°	L-58
EBS 40 - M2	50	50	-	-	-	-	-	-	FW-6	W-9	-	-	L-120
EBS 40 - M3	14.5	50	5	14.5	-	-	-	FW-10	FW-6	W-9	30°	-	L-89
ECDR 40	30	20	-	-	5	20	FW-10	-	FW-6	W-9	-	30°	L-89

	Dimensions - Abmessungen - Dimensions - Dimensiones					
FW =	100	200	300	400	500	600 mm
	3,93"	7,87"	11,81"	15,74"	19,68"	23,62" inch

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Al side profile EBS 40
- 2 Straight connector
- 3 Top plate tape
- 4 Top plate
- 5 Profile connector set

Art Nr.	Pos 1	Material
ECA04090000	L = 5600 mm / 220,46" inch	1 AL

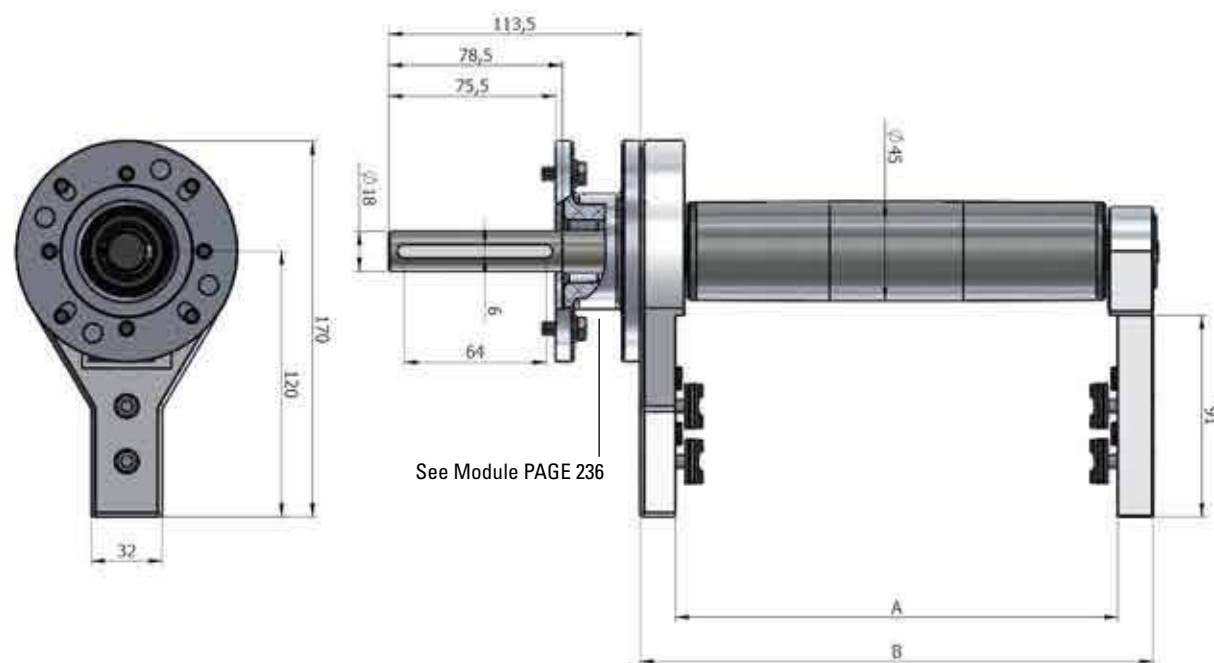
Art Nr.	Pos 2	A =	Material
ECA04090010	100 mm	3,93" inch	1 set AL
ECA04090020	200 mm	7,87" inch	1 set AL
ECA04090030	300 mm	11,81" inch	1 set AL
ECA04090040	400 mm	15,74" inch	1 set AL
ECA04090050	500 mm	19,68" inch	1 set AL
ECA04090060	600 mm	23,62" inch	1 set AL

Art Nr.	Pos 3	Material
ECA00092100	1 roll of 33 meters	2 Sided tape, doppelseitigem Klebeband, Cinta de doble cara, Ruban double face adhésif

Art Nr.	Pos 4	Material
ECA00092000	On request, Auf Anfrage, Sur demande, A petición	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado

Art Nr.	Pos 5	Material
EMPT040705000006	1 set	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Head drive set multi; general
2 Head drive shaft multi

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040101080100	100 mm	3,93" inch	133 mm	5,24" inch	1 set
EBS040101080200	200 mm	7,87" inch	233 mm	9,17" inch	1 set
EBS040101080300	300 mm	11,81" inch	333 mm	13,11" inch	1 set
EBS040101080400	400 mm	15,74" inch	433 mm	17,05" inch	1 set
EBS040101080500	500 mm	19,68" inch	533 mm	20,98" inch	1 set
EBS040101080600	600 mm	23,62" inch	633 mm	24,92" inch	1 set
Suitable for, Geeignet für, SEW-WA20; Motovario-NMRV40; Varvel-MRS40; Nord-SK 1SI 40					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1

ECA040101020000

1 set

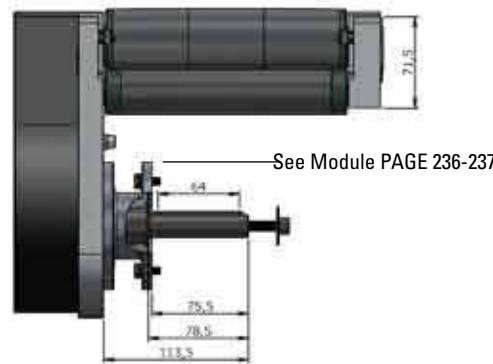
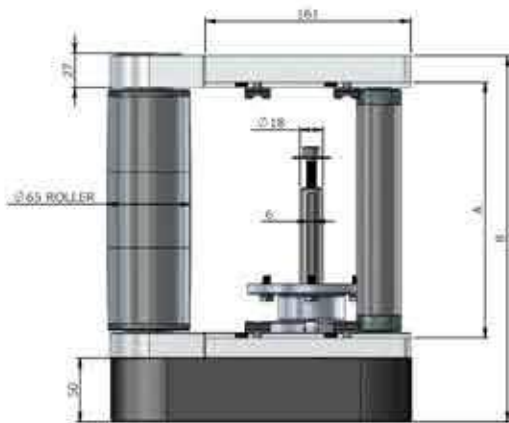
Material AL

Art Nr. Pos 2

Art Nr.	A =		
040110410100	100 mm	3,93" inch	1
040110410200	200 mm	7,87" inch	1
040110410300	300 mm	11,81" inch	1
040110410400	400 mm	15,74" inch	1
040110410500	500 mm	19,68" inch	1
040110410600	600 mm	23,62" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment			102Nm

Material Stainless steel shaft with aluminum roller tube, end caps galvanized steel
Welle aus Edelstahl mit Rolle aus Alu-Rohr, Endkappen Stahl verzinkt
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio, tapaz en acero galvanizado

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



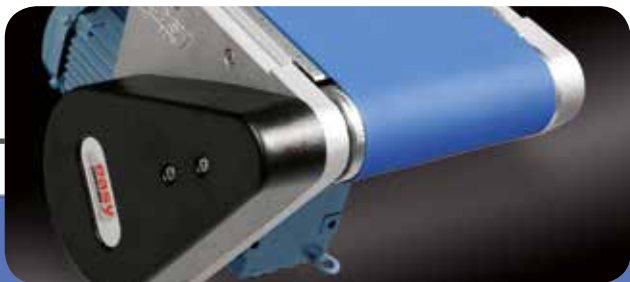
- 1 Transm. drive set multi; general left
- 2 Transmission drive shaft
- 3 Support / tensioner roller

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040102040100	100 mm	3,93" inch	189 mm	7,44" inch	1 set
EBS040102040200	200 mm	7,87" inch	289 mm	11,38" inch	1 set
EBS040102040300	300 mm	11,81" inch	389 mm	15,32" inch	1 set
EBS040102040400	400 mm	15,74" inch	489 mm	19,25" inch	1 set
EBS040102040500	500 mm	19,68" inch	589 mm	23,19" inch	1 set
EBS040102040600	600 mm	23,62" inch	689 mm	27,13" inch	1 set
Suitable for, Geeignet für, SEW-WA20; Motovario-NMRV40; Varvel-MRS40; Nord-SK 1SI 40					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1

ECA040102030001

1 set

Material Al & ABS Cover, AL & ABS Abdeck kappe, AL & ABS Couvrir, AL & ABS Cubrir

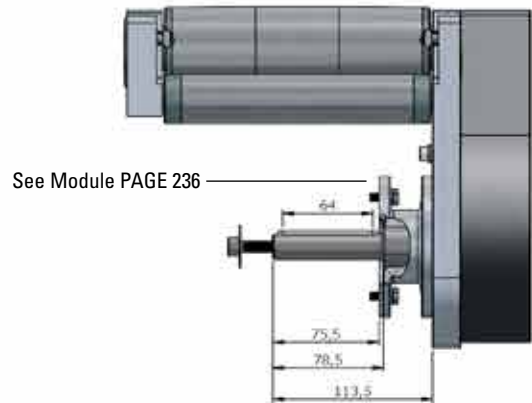
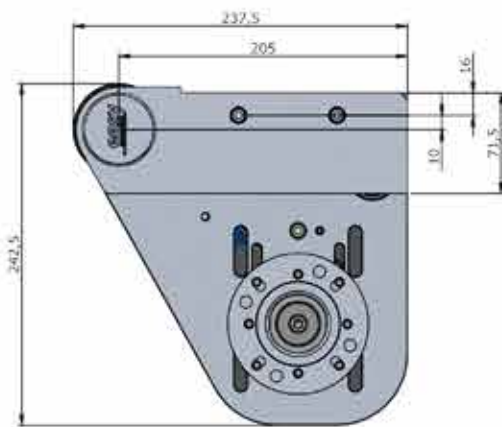
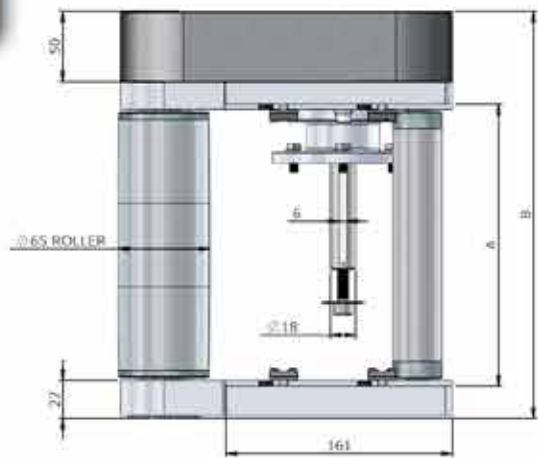
Art Nr. Pos 2

Art Nr. Pos 3

A =

040110060100	040110130100	100 mm	3,93" inch	1
040110060200	040110130200	200 mm	7,87" inch	1
040110060300	040110130300	300 mm	11,81" inch	1
040110060400	040110130400	400 mm	15,74" inch	1
040110060500	040110130500	500 mm	19,68" inch	1
040110060600	040110130600	600 mm	23,62" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment				102Nm
Material Stainless steel shaft with aluminum roller tube				
Welle aus Edelstahl mit Rolle aus Alu-Rohr				
Arbre en Acier inoxydable avec tube d'enroulement en aluminium				
Eje de Acero inoxidable con rodillos en tubo de aluminio				

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

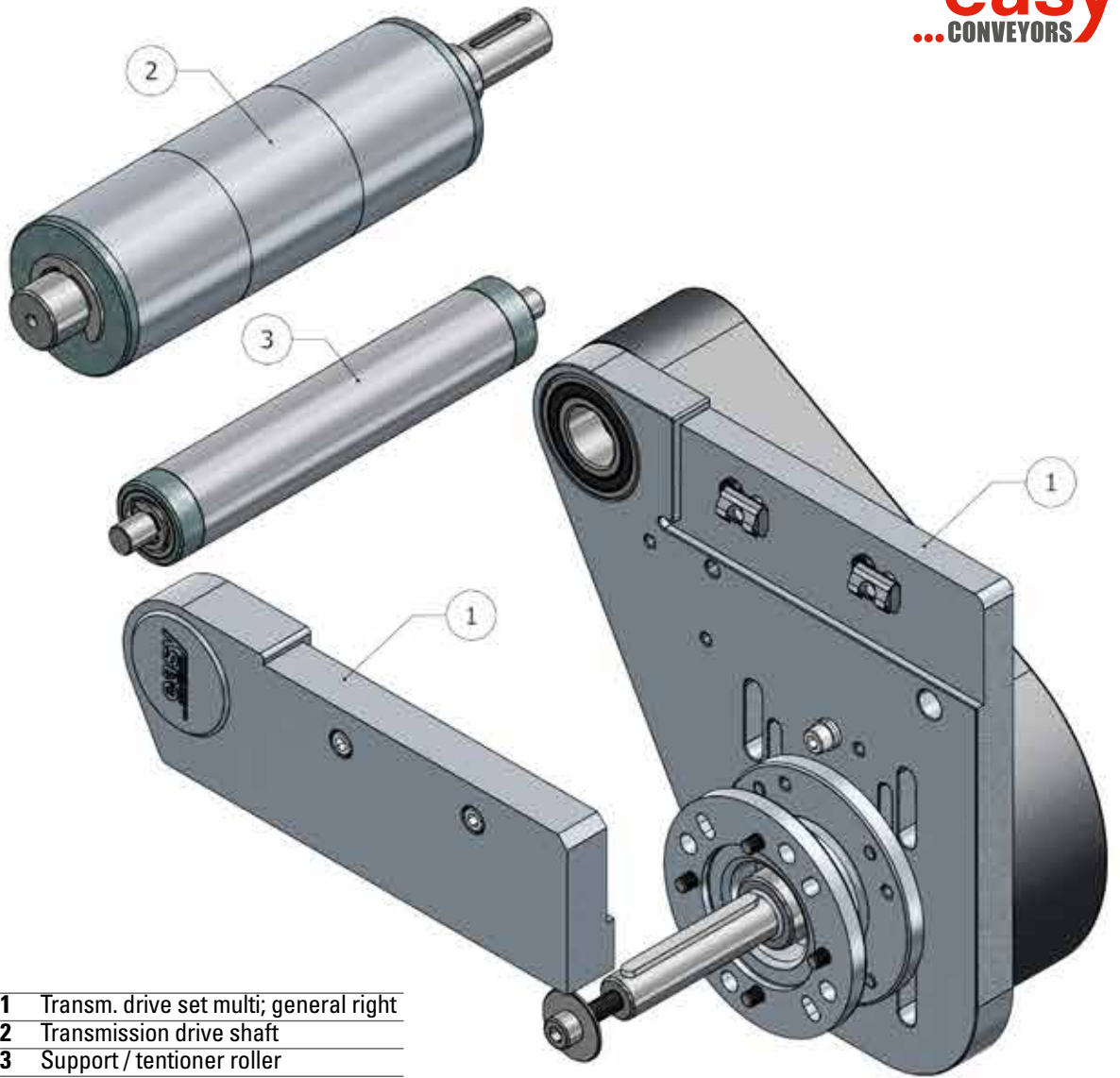
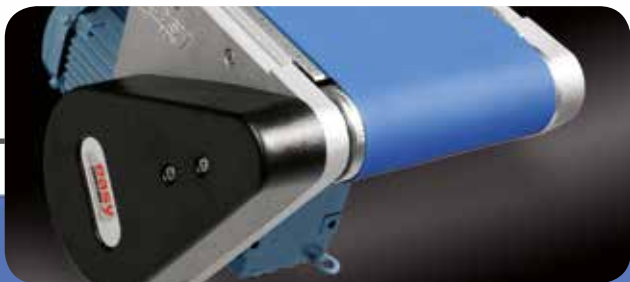


More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040102030100	100 mm	3,93" inch	189 mm	7,44" inch	1 set
EBS040102030200	200 mm	7,87" inch	289 mm	11,38" inch	1 set
EBS040102030300	300 mm	11,81" inch	389 mm	15,32" inch	1 set
EBS040102030400	400 mm	15,74" inch	489 mm	19,25" inch	1 set
EBS040102030500	500 mm	19,68" inch	589 mm	23,19" inch	1 set
EBS040102030600	600 mm	23,62" inch	689 mm	27,13" inch	1 set
Suitable for, Geeignet für, SEW-WA20; Motovario-NMRV40; Varvel-MRS40; Nord-SK 1SI 40					
Convient pour, Adecuado para					

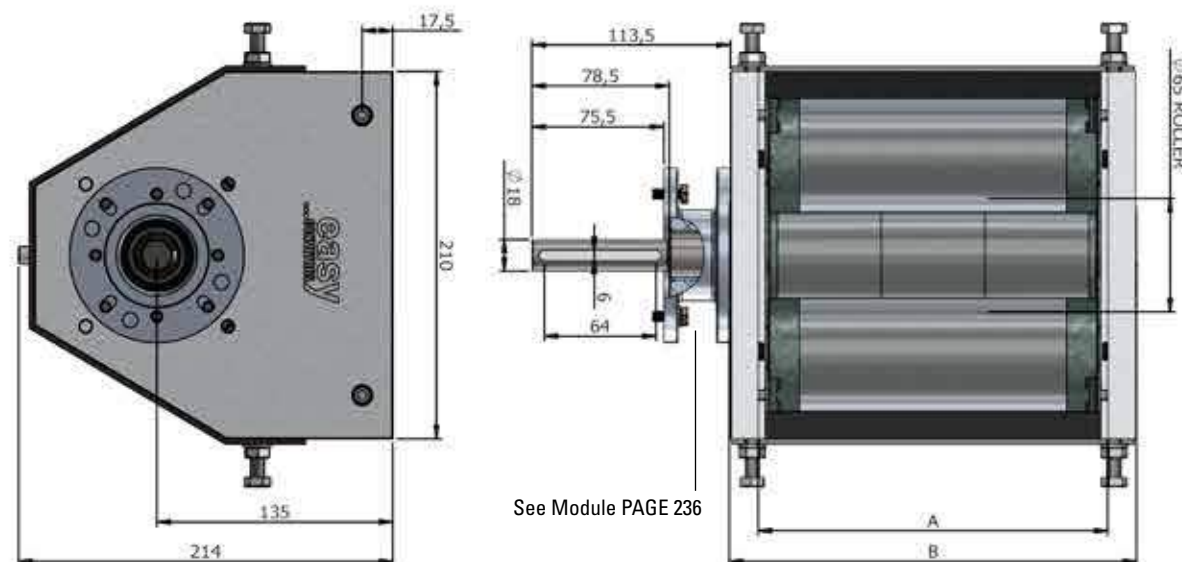
Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



- 1 Transm. drive set multi; general right
- 2 Transmission drive shaft
- 3 Support / tensioner roller

Art Nr. Pos 1				
ECA040102030000			📦 1 set	
Material				
Al & ABS Cover, AL & ABS Abdeck kappe, AL & ABS Couvrir, AL & ABS Cubrir				
Art Nr. Pos 2		Art Nr. Pos 3		A =
040110060100	040110130100	100 mm	3,93" inch	📦 1
040110060200	040110130200	200 mm	7,87" inch	📦 1
040110060300	040110130300	300 mm	11,81" inch	📦 1
040110060400	040110130400	400 mm	15,74" inch	📦 1
040110060500	040110130500	500 mm	19,68" inch	📦 1
040110060600	040110130600	600 mm	23,62" inch	📦 1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment			102Nm	
Material				
Stainless steel shaft with aluminum roller tube				
Welle aus Edelstahl mit Rolle aus Alu-Rohr				
Arbre en Acier inoxydable avec tube d'enroulement en aluminium				
Eje de Acero inoxidable con rodillos en tubo de aluminio				

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040103090100	100 mm	3,93" inch	134 mm	5,28" inch	1 set
EBS040103090200	200 mm	7,87" inch	234 mm	9,21" inch	1 set
EBS040103090300	300 mm	11,81" inch	334 mm	13,15" inch	1 set
EBS040103090400	400 mm	15,74" inch	434 mm	17,09" inch	1 set
EBS040103090500	500 mm	19,68" inch	534 mm	21,02" inch	1 set
EBS040103090600	600 mm	23,62" inch	634 mm	24,96" inch	1 set
Suitable for, Geeignet für, SEW-WA20; Motovario-NMRV40; Varvel-MRS40; Nord-SK 1SI 40					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



- 1 Center drive set multi; general
- 2 Center drive shaft multi
- 3 Tensioner roller
- 4 Middle drive cover cap

Art Nr. Pos 1

ECA040103030000

1 set

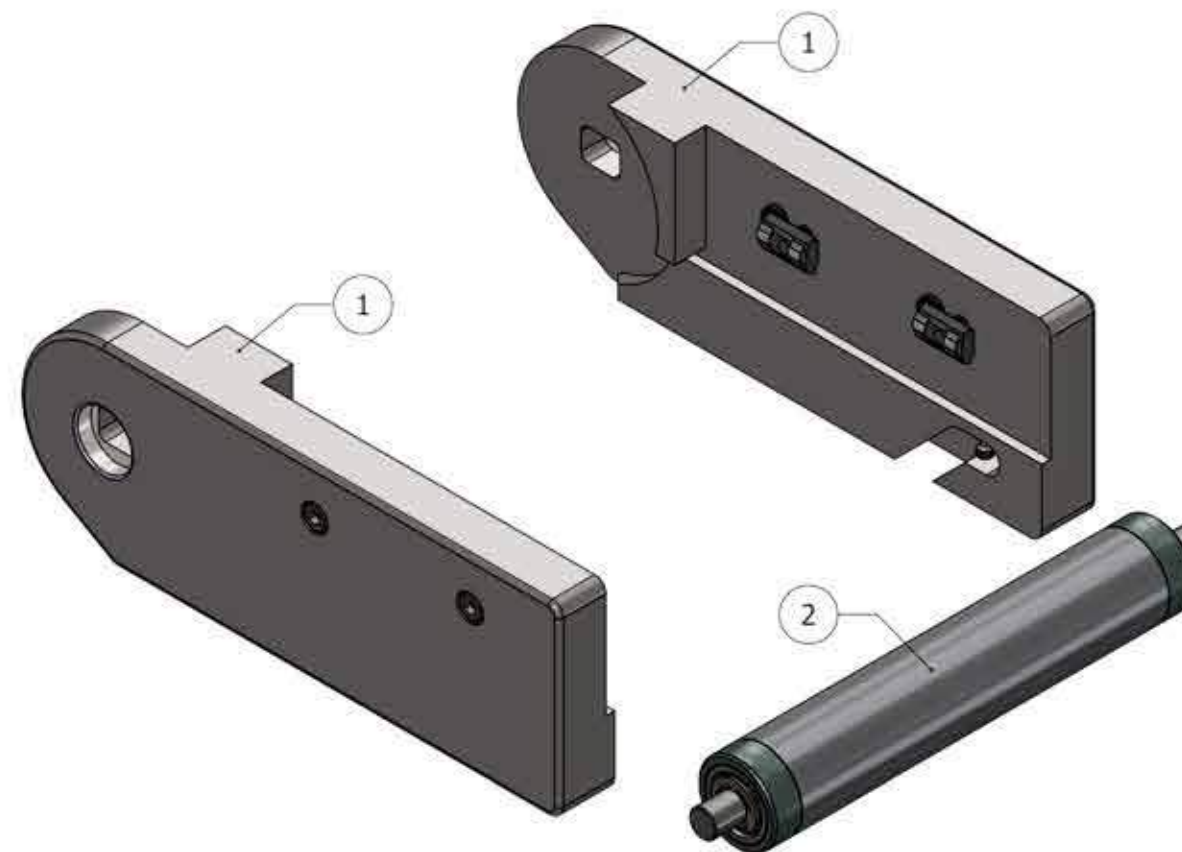
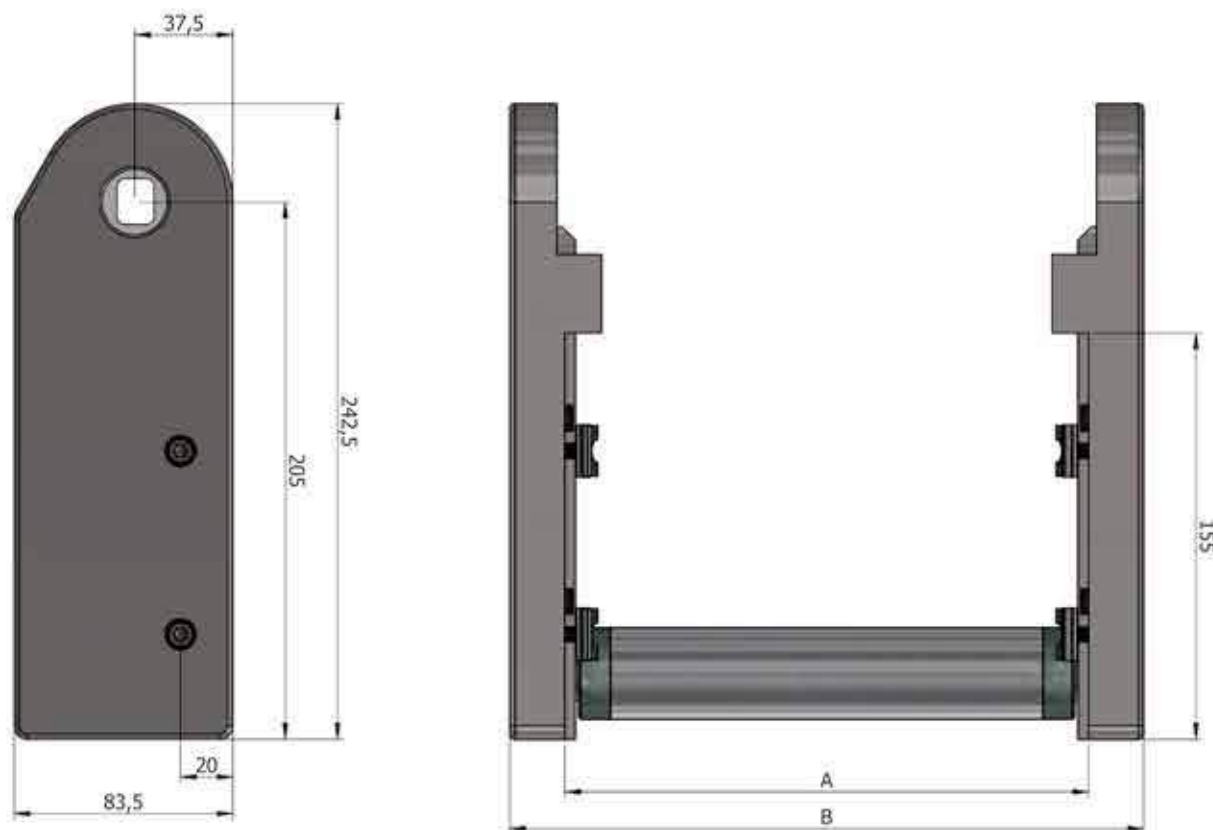
Material Al & ABS Cover, AL & ABS Abdeck kappe, AL & ABS Couvrir, AL & ABS Cubrir

Art Nr. Pos 2	Art Nr. Pos 3	A =		
040110430100	040110140100	100 mm	3,93" inch	1
040110430200	040110140200	200 mm	7,87" inch	1
040110430300	040110140300	300 mm	11,81" inch	1
040110430400	040110140400	400 mm	15,74" inch	1
040110430500	040110140500	500 mm	19,68" inch	1
040110430600	040110140600	600 mm	23,62" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment 102Nm				

Material Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Art Nr. Pos 4	A =		Material
SPA04038010	100 mm	3,93" inch	1 ABS
SPA04038020	200 mm	7,87" inch	1 ABS
SPA04038030	300 mm	11,81" inch	1 ABS
SPA04038040	400 mm	15,74" inch	1 ABS
SPA04038050	500 mm	19,68" inch	1 ABS
SPA04038060	600 mm	23,62" inch	1 ABS

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Drum head drive set
- 2 Support / tensioner roller

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
ECDR041001010200	200 mm	7,87" inch	242 mm	9,53" inch	1 set
ECDR041001010300	300 mm	11,81" inch	342 mm	13,47" inch	1 set
ECDR041001010400	400 mm	15,74" inch	442 mm	17,40" inch	1 set
ECDR041001010500	500 mm	19,68" inch	542 mm	21,34" inch	1 set
ECDR041001010600	600 mm	23,62" inch	642 mm	25,28" inch	1 set

Suitable for, Geeignet für, INTERROLL 801 / LAT TM 82.1

Convient pour, Adecuado para

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta

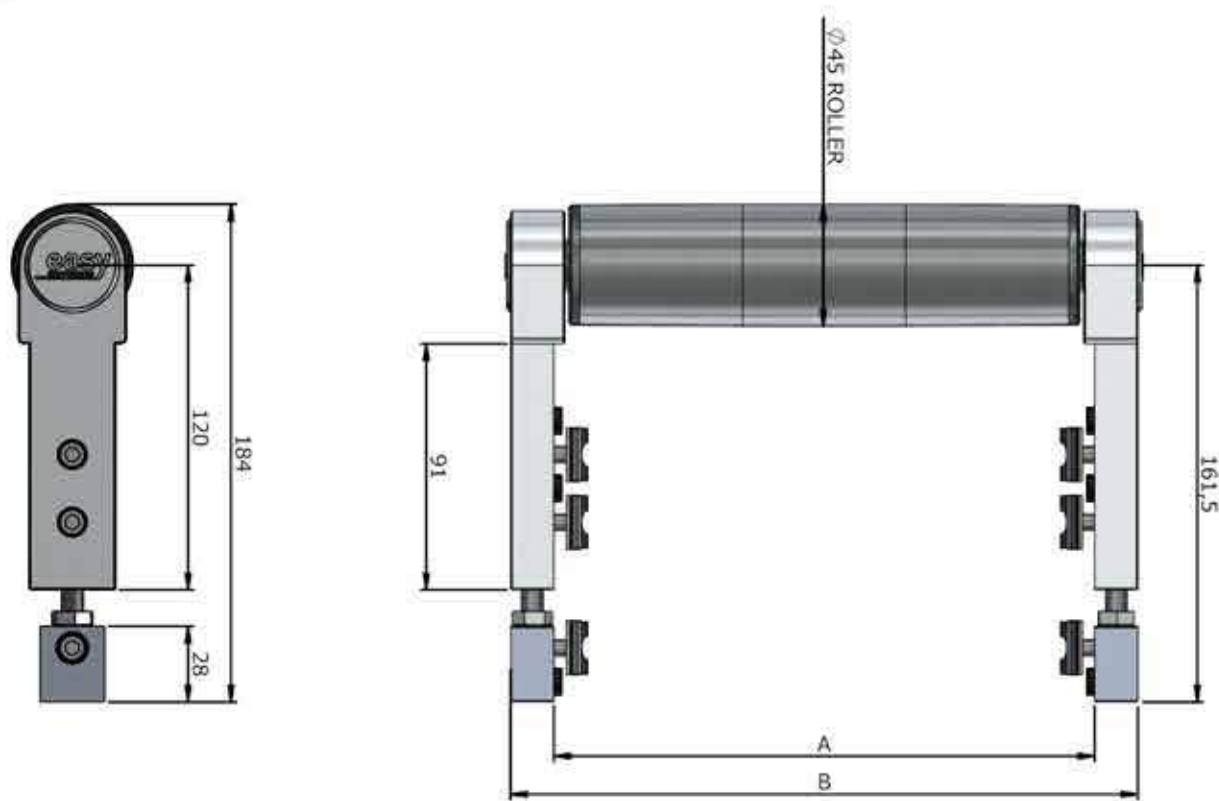


Art Nr. Pos 1	Material	
ECDR041001010000	1 set	AL

Art Nr. Pos 2	A =	
040110130200	200 mm	7,87" inch
040110130300	300 mm	11,81" inch
040110130400	400 mm	15,74" inch
040110130500	500 mm	19,68" inch
040110130600	600 mm	23,62" inch

Material
Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Return set
2 Return shaft

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040104020100	100 mm	3,93" inch	136 mm	5,35" inch	1 set
EBS040104020200	200 mm	7,87" inch	236 mm	9,29" inch	1 set
EBS040104020300	300 mm	11,81" inch	336 mm	13,23" inch	1 set
EBS040104020400	400 mm	15,74" inch	436 mm	17,17" inch	1 set
EBS040104020500	500 mm	19,68" inch	536 mm	21,10" inch	1 set
EBS040104020600	600 mm	23,62" inch	636 mm	25,04" inch	1 set

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1

ECA04090000S

1 set

Art Nr. Pos 2

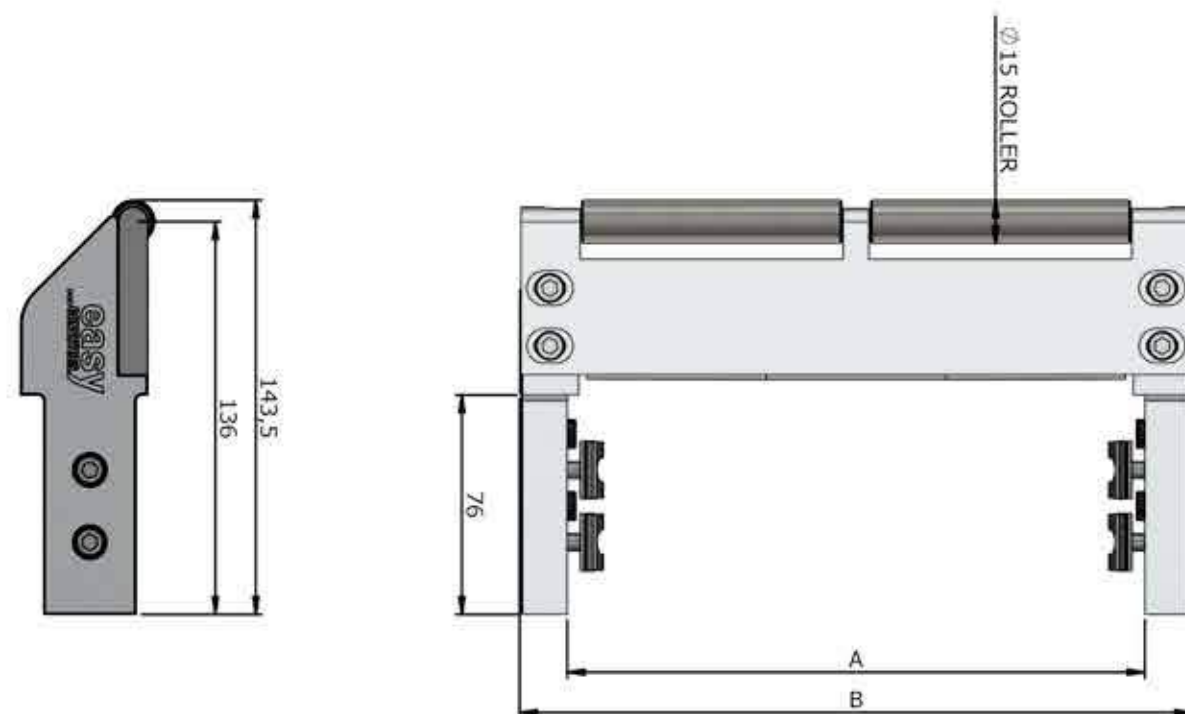
A =

040110080100	100 mm	3,93" inch	1
040110080200	200 mm	7,87" inch	1
040110080300	300 mm	11,81" inch	1
040110080400	400 mm	15,74" inch	1
040110080500	500 mm	19,68" inch	1
040110080600	600 mm	23,62" inch	1

Material

Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



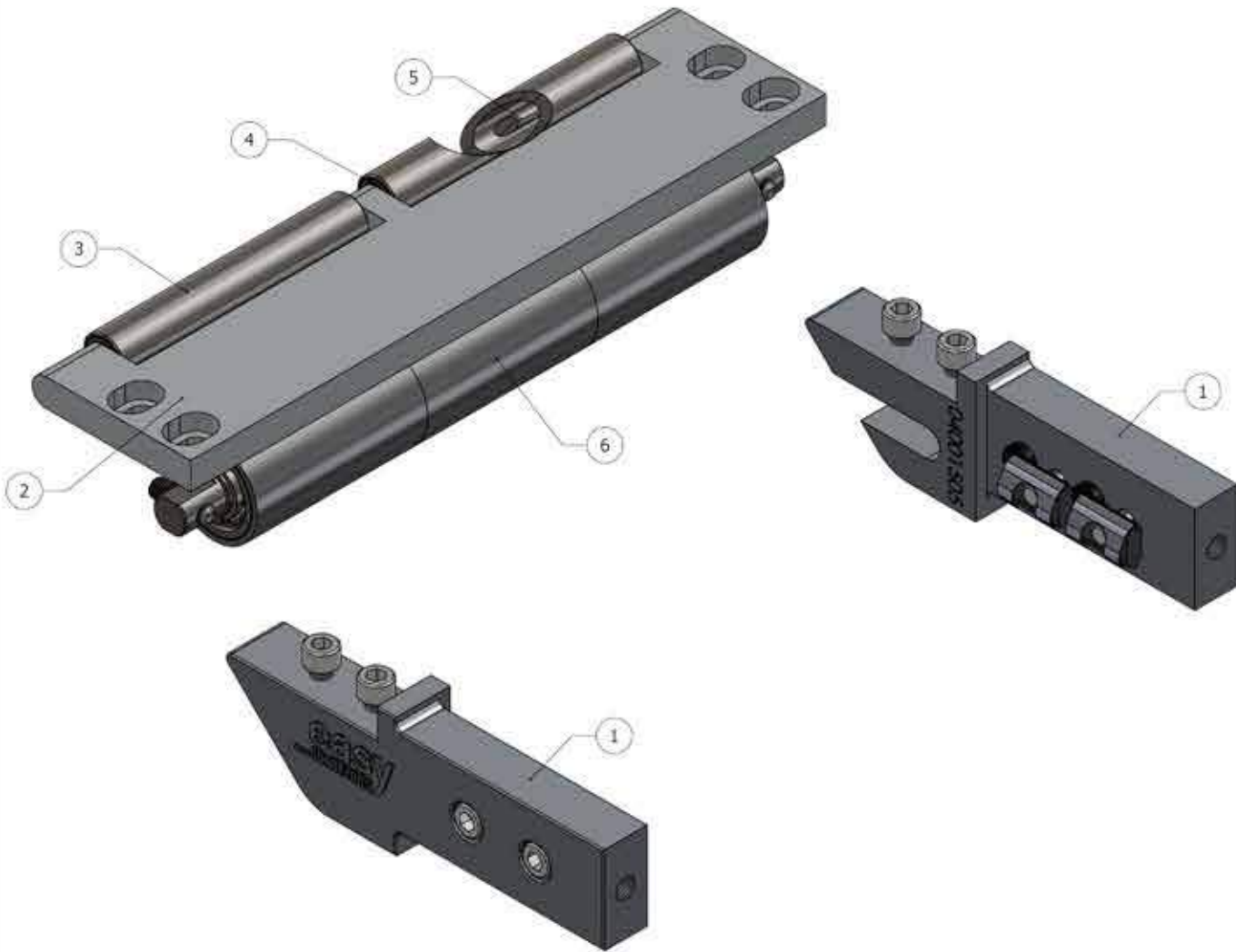
More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040104030100	100 mm	3,93" inch	133 mm	5,24" inch	1 set
EBS040104030200	200 mm	7,87" inch	233 mm	9,17" inch	1 set
EBS040104030300	300 mm	11,81" inch	333 mm	13,11" inch	1 set
EBS040104030400	400 mm	15,74" inch	433 mm	17,05" inch	1 set
EBS040104030500	500 mm	19,68" inch	533 mm	20,98" inch	1 set

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta





- 1 Knife edge return set; general
- 2 Mounting plate knife edge
- 3 Knife edge return shaft Ø15
- 4 SHIM DIN988 0,5mm Ø4x8mm
- 5 Knife edge return shaft Ø4
- 6 Knife edge tensioner roller

Art Nr. Pos 1				
ECA04091000S				1 set

Art Nr. Pos 2	A =			Material
SPA04036010	100 mm	3,93" inch	1	AL
SPA04036020	200 mm	7,87" inch	1	AL
SPA04036030	300 mm	11,81" inch	1	AL
SPA04036040	400 mm	15,74" inch	1	AL
SPA04036050	500 mm	19,68" inch	1	AL

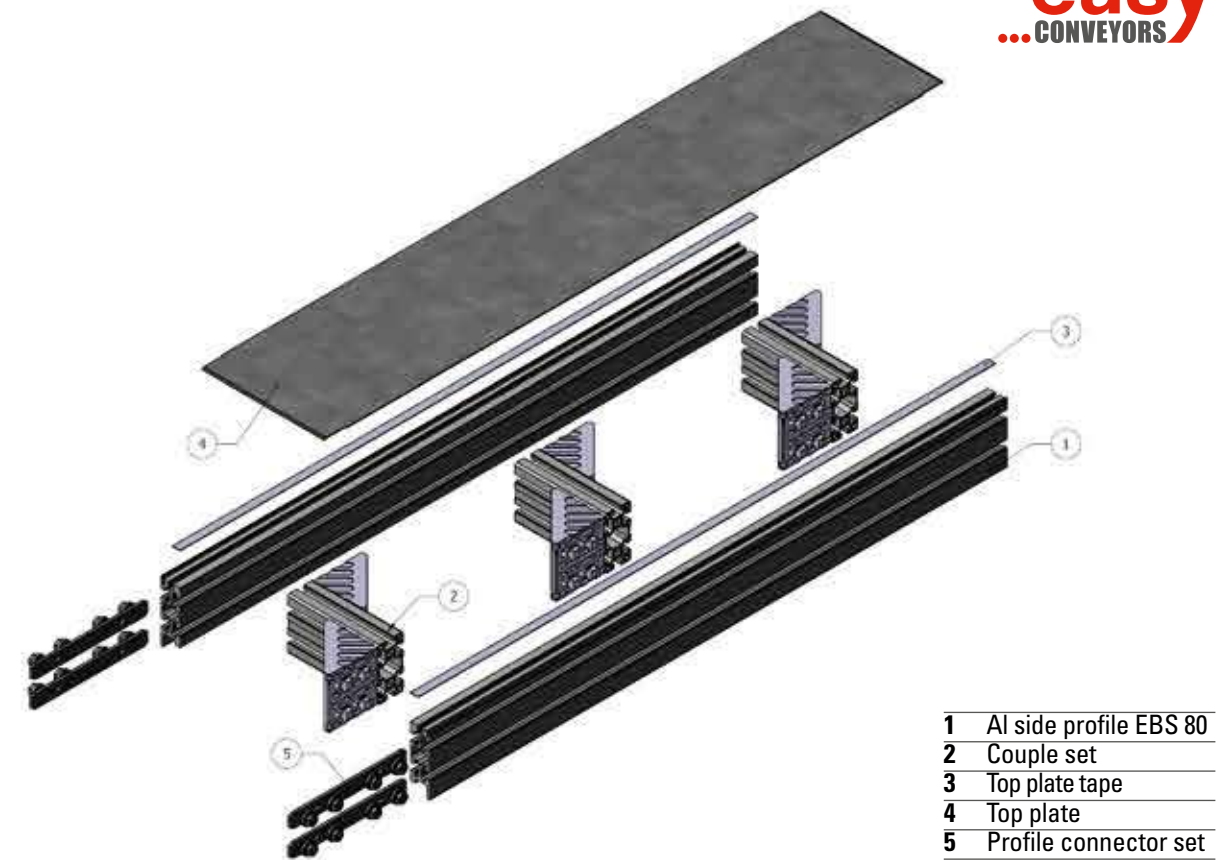
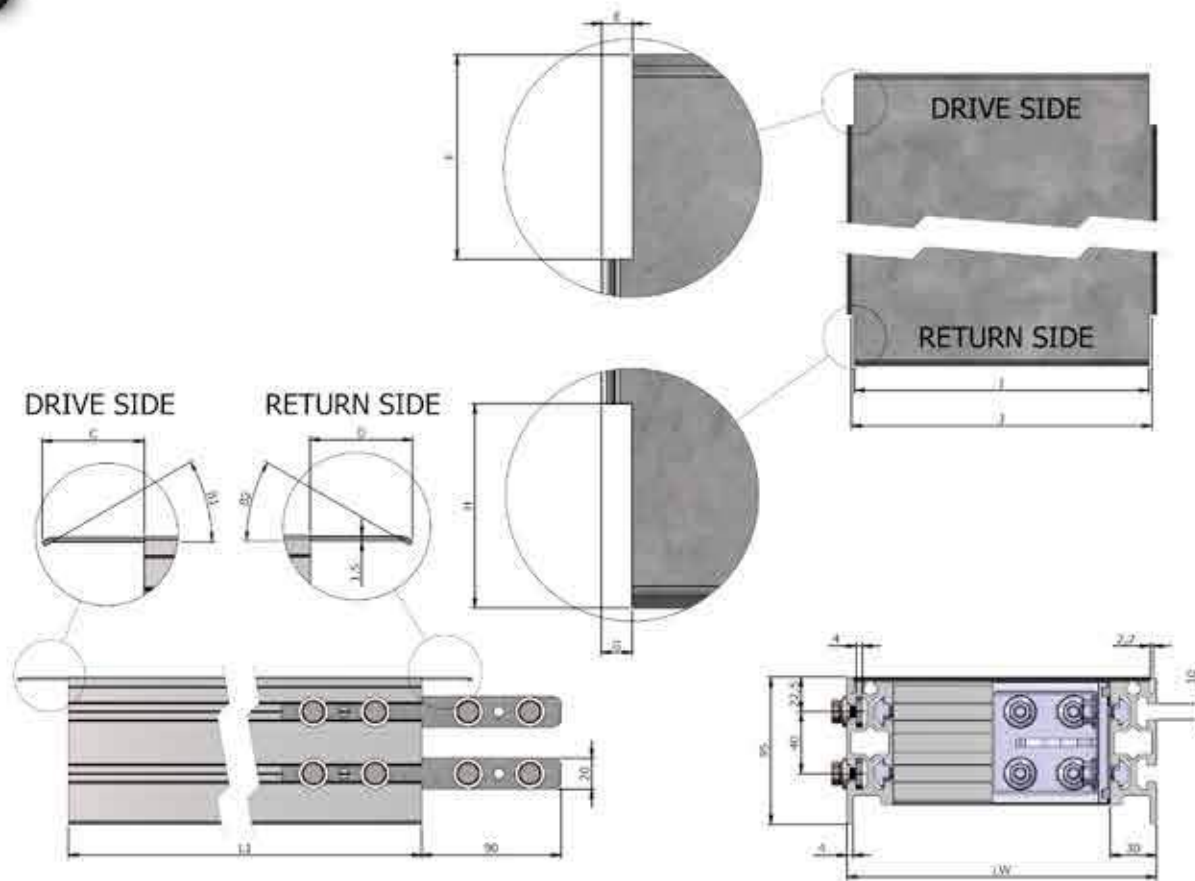
Art Nr. Pos 3				
040110150100				1
Material	Stainless steel, Edelstahl, Acier inoxydable, Acero inoxidable			

Art Nr. Pos 4				
BV98805004008				100
Material	Stainless steel, Edelstahl, Acier inoxydable, Acero inoxidable			

Art Nr. Pos 5	A =			
SPA04035010	100 mm	3,93" inch	1	
SPA04035020	200 mm	7,87" inch	1	
SPA04035030	300 mm	11,81" inch	1	
SPA04035040	400 mm	15,74" inch	1	
SPA04035050	500 mm	19,68" inch	1	
Material	Stainless steel, Edelstahl, Acier inoxydable, Acero inoxidable			

Art Nr. Pos 6	A =			
040110160100	100 mm	3,93" inch	1	incl fasteners
040110160200	200 mm	7,87" inch	1	incl fasteners
040110160300	300 mm	11,81" inch	1	incl fasteners
040110160400	400 mm	15,74" inch	1	incl fasteners
040110160500	500 mm	19,68" inch	1	incl fasteners
Material	Stainless steel shaft with aluminum roller tube Welle aus Edelstahl mit Rolle aus Alu-Rohr Arbre en Acier inoxydable avec tube d'enroulement en aluminium Eje de Acero inoxidable con rodillos en tubo de aluminio			

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



Art Nr. Pos 1	Material	
ECA08090000	L = 5600 mm / 220,46" inch	1 AL

Art Nr. Pos 2	A =		
ECA08090020	200 mm	7,87" inch	1, with 2 brackets fasteners
ECA08090040	400 mm	15,74" inch	1, with 2 brackets fasteners
ECA08090060	600 mm	23,62" inch	1, with 2 brackets fasteners
ECA08090080	800 mm	31,49" inch	1, with 2 brackets fasteners
ECA08090100	1000 mm	39,37" inch	1, with 2 brackets fasteners
ECA08090120	1200 mm	47,24" inch	1, with 2 brackets fasteners
Material	AL		

Art Nr. Pos 3	
ECA00092100	1 roll of 33 meters
Material	2 Sided tape, doppelseitigem Klebeband, Cinta de doble cara, Ruban double face adhésif

Art Nr. Pos 4	
ECA00092000	On request, Auf Anfrage, Sur demande, A petición
Material	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado

Art Nr. Pos 5	
EMPT040705000006	2 pieces with fastener
Material	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado

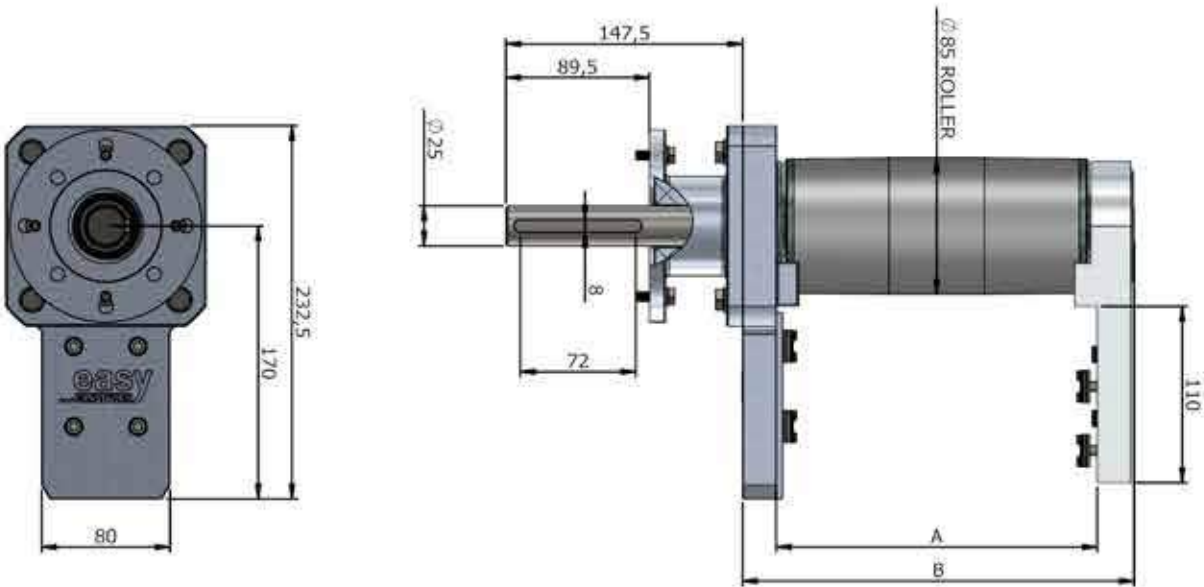
Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

More technical information: See engineering online www.easy-conveyors.com

	C	D	E	F	G	H	I-return	I-drive	J	J*	B1	B2	L1
* with fixed side guiding, mit fester Seitenführung, Avec le cote de guidage fixe, Con guía lateral fija													
EBS 80 - D1	26	38,5	-	-	5	38,5	FW-10	-	FW-6	W-9	-	30°	L-110
EBS 80 - I1	26	38,5	-	-	5	38,5	FW-10	-	FW-6	W-9	-	30°	L-110
EBS 80 - M1	33	33	5	33	5	33	FW-10	FW-10	FW-6	W-9	30°	30°	L-100
ECDR 80	70	38,5	5	70	5	38,5	FW-10	FW-10	FW-6	W-9	30°	30°	L-150

	Dimensions - Abmessungen - Dimensions - Dimensiones					
Standard wideness FW =	200	400	600	800	1000	1200 mm
	7,87"	15,74"	23,62"	31,49"	39,37"	47,24" inch

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

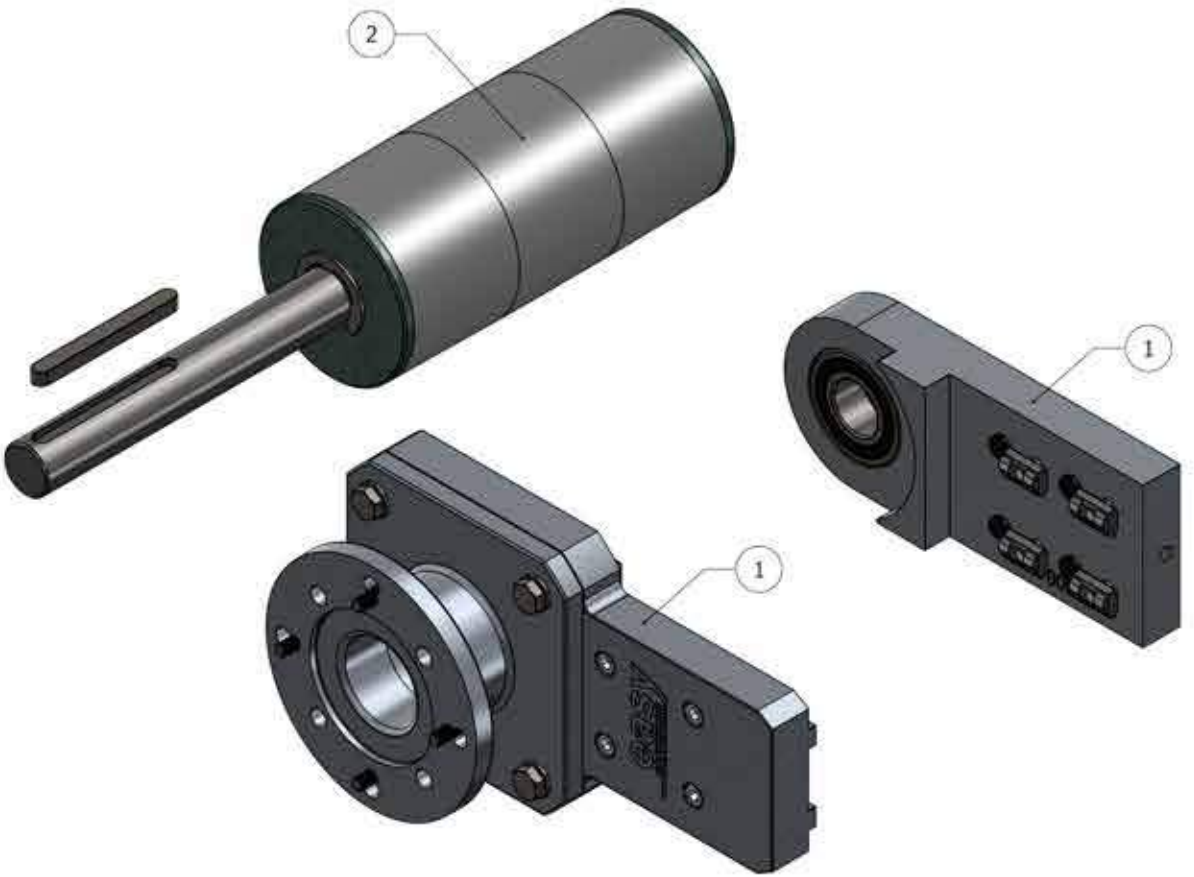


More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040101090200	200 mm	7,87" inch	245 mm	9,65" inch	1 set
EBS040101090400	400 mm	15,74" inch	445 mm	17,51" inch	1 set
EBS040101090600	600 mm	23,62" inch	645 mm	25,39" inch	1 set
EBS040101090800	800 mm	31,49" inch	845 mm	33,27" inch	1 set
EBS040101091000	1000 mm	39,37" inch	1045 mm	41,14" inch	1 set
EBS040101091200	1200 mm	47,24" inch	1245 mm	49,02" inch	1 set
Suitable for, Geeignet für, SEW-WA30; Motovario-NMRV50 ; Varvel-MRS50; Nord-SK 1SI 50					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta

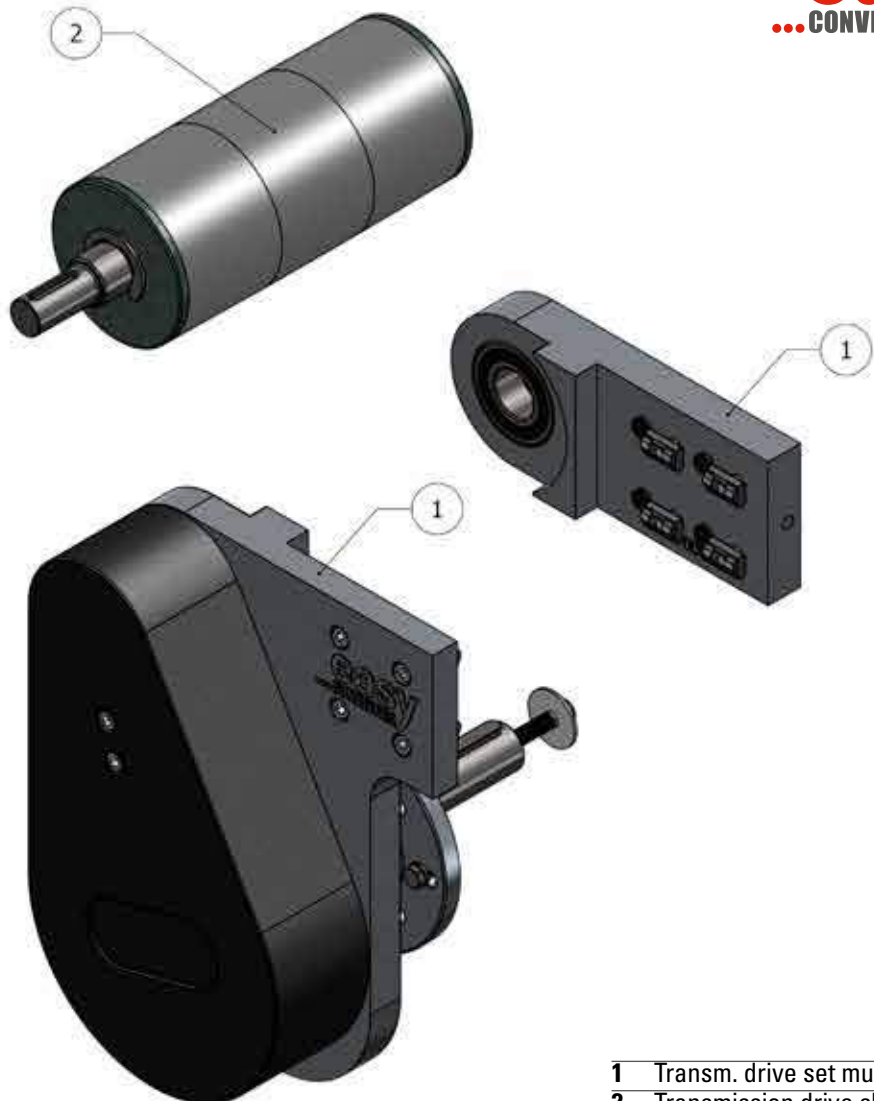
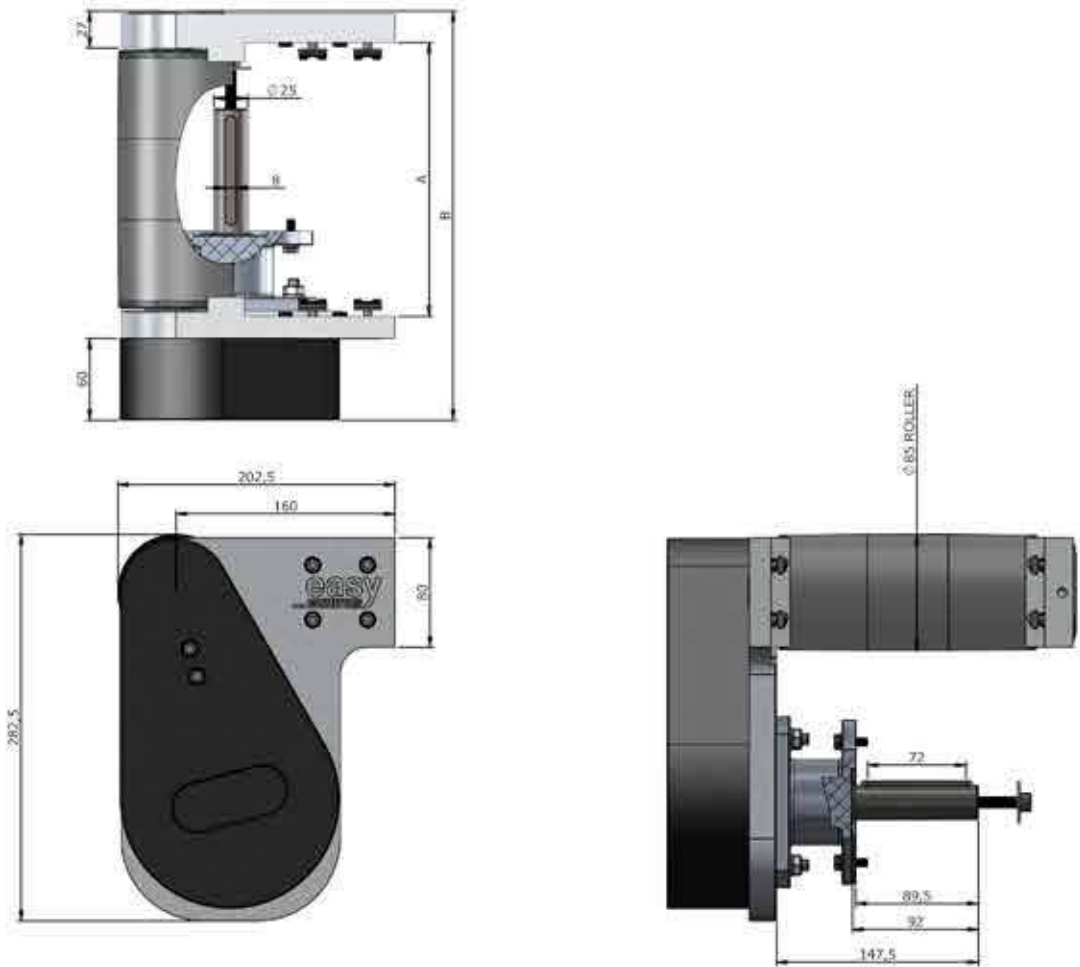


- 1 Head drive set multi; general
- 2 Head drive shaft multi

Art Nr. Pos 1		
ECA040101030000		1 set
Material	AL	

Art Nr. Pos 2		
040110420200	200 mm 7,87" inch	1
040110420400	400 mm 15,74" inch	1
040110420600	600 mm 23,62" inch	1
040110420800	800 mm 31,49" inch	1
040110421000	1000 mm 39,37" inch	1
040110421200	1200 mm 47,24" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment	276Nm	
Material	Stainless steel shaft with aluminum roller tube Welle aus Edelstahl mit Rolle aus Alu-Rohr Arbre en Acier inoxydable avec tube d'enroulement en aluminium Eje de Acero inoxidable con rodillos en tubo de aluminio	

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Transm. drive set multi; left
- 2 Transmission drive shaft

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040102060200	200 mm	7,87" inch	299 mm	11,77" inch	1 set
EBS040102060400	400 mm	15,74" inch	499 mm	19,65" inch	1 set
EBS040102060600	600 mm	23,62" inch	699 mm	27,52" inch	1 set
EBS040102060800	800 mm	31,49" inch	899 mm	35,39" inch	1 set
EBS040102061000	1000 mm	39,37" inch	1099 mm	43,27" inch	1 set
EBS040102061200	1200 mm	47,24" inch	1299 mm	51,14" inch	1 set
Suitable for, Geeignet für, SEW-WA30; Motovario-NMRV50 ; Varvel-MRS50; Nord-SK 1SI 50					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



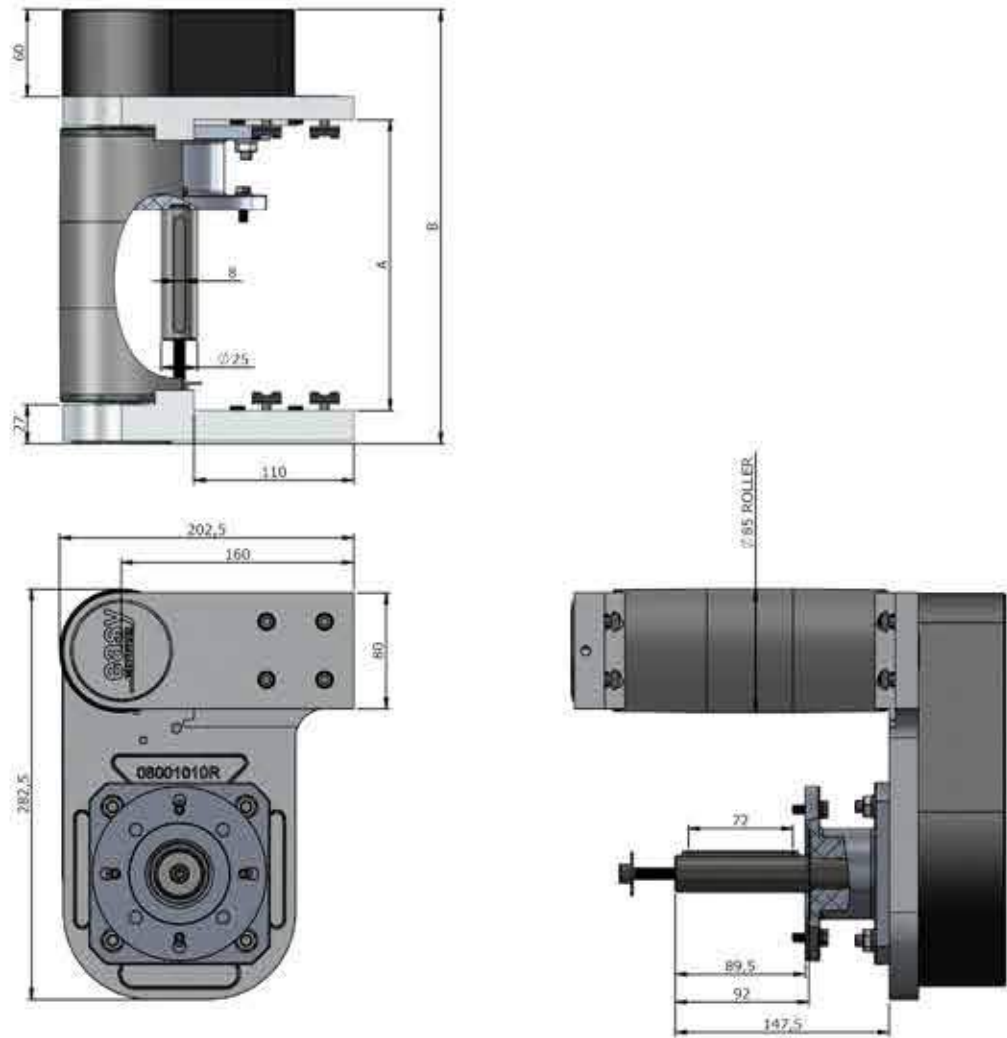
Art Nr. Pos 1

ECA040102050001	1 set
Material	AL & ABS Cover, AL & ABS Abdeck kappe, AL & ABS Couvrir, AL & ABS Cubrir

Art Nr. Pos 2

A =		
040110100200	200 mm 7,87" inch	1
040110100400	400 mm 15,74" inch	1
040110100600	600 mm 23,62" inch	1
040110100800	800 mm 31,49" inch	1
040110101000	1000 mm 39,37" inch	1
040110101200	1200 mm 47,24" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment		120Nm
Material		
Stainless steel shaft with aluminum roller tube		
Welle aus Edelstahl mit Rolle aus Alu-Rohr		
Arbre en Acier inoxydable avec tube d'enroulement en aluminium		
Eje de Acero inoxidable con rodillos en tubo de aluminio		

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

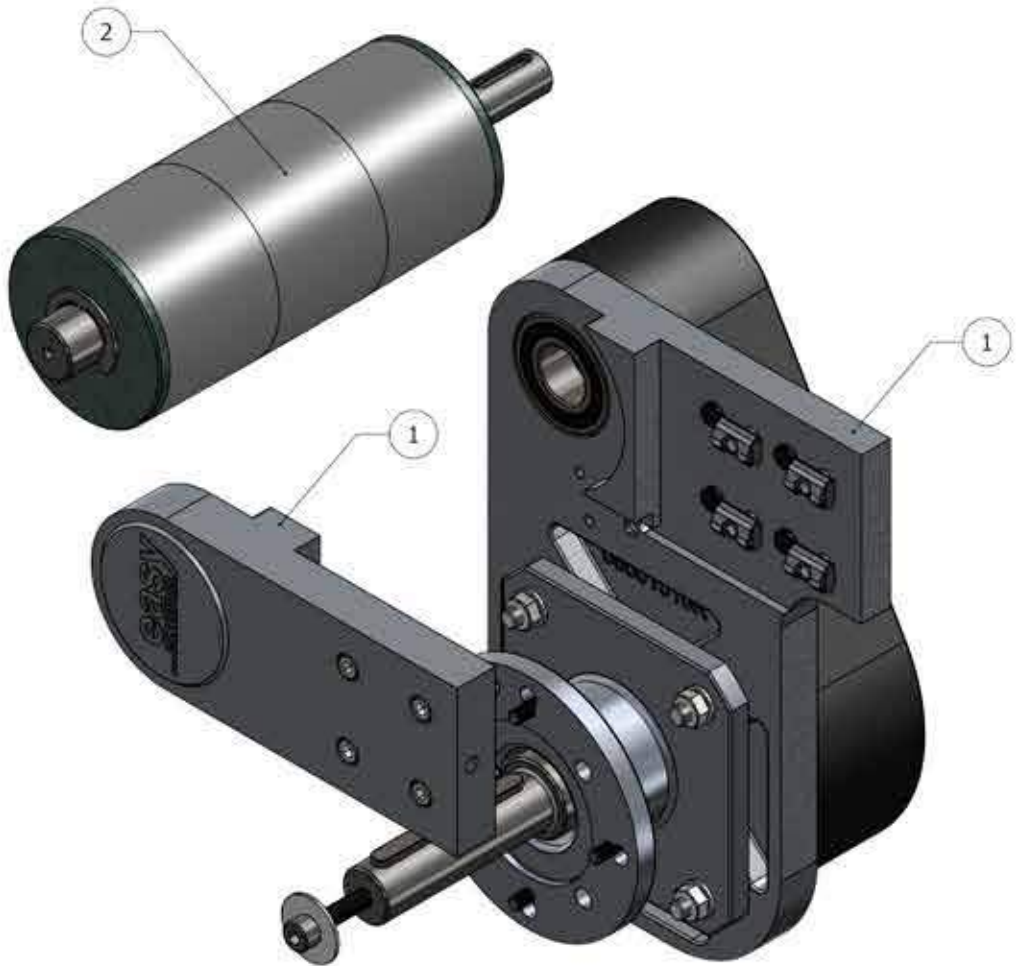


More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040102050200	200 mm	7,87" inch	299 mm	11,77" inch	1 set
EBS040102050400	400 mm	15,74" inch	499 mm	19,65" inch	1 set
EBS040102050600	600 mm	23,62" inch	699 mm	27,52" inch	1 set
EBS040102050800	800 mm	31,49" inch	899 mm	35,39" inch	1 set
EBS040102051000	1000 mm	39,37" inch	1099 mm	43,27" inch	1 set
EBS040102051200	1200 mm	47,24" inch	1299 mm	51,14" inch	1 set
Suitable for, Geeignet für, SEW-WA30; Motovario-NMRV50 ; Varvel-MRS50; Nord-SK 1SI 50					
Convient pour, Adecuado para					

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



- 1 Transm. drive set multi; right
- 2 Transmission drive shaft

Art Nr. Pos 1

ECA040102050000

1 set

Material AL & ABS Cover, AL & ABS Abdeck kappe, AL & ABS Couvrir, AL & ABS Cubrir

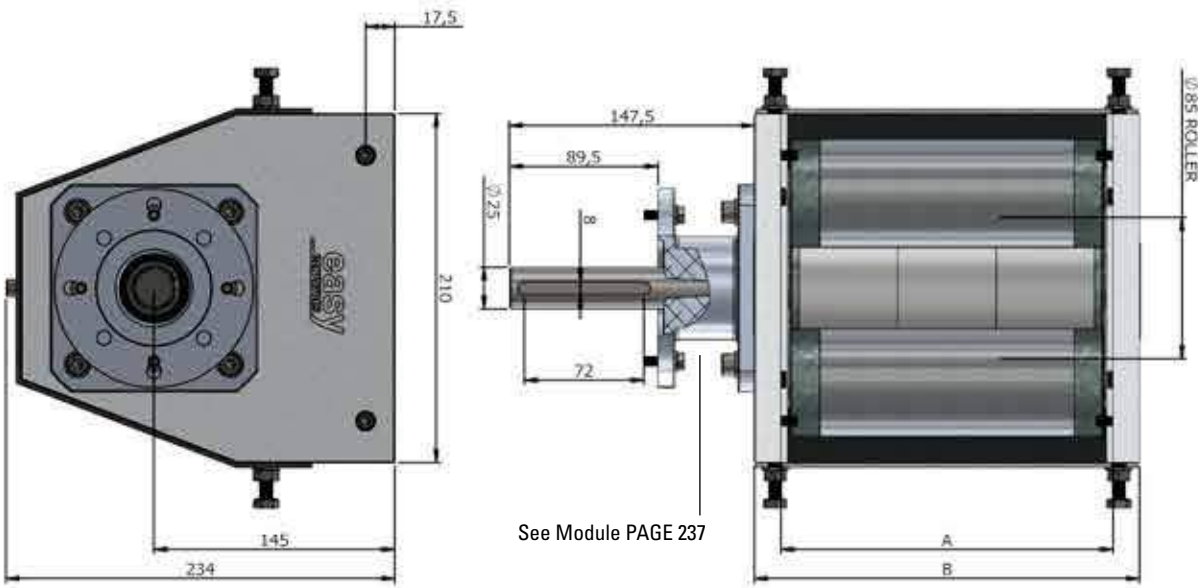
Art Nr. Pos 2

A =

040110100200	200 mm	7,87" inch	1
040110100400	400 mm	15,74" inch	1
040110100600	600 mm	23,62" inch	1
040110100800	800 mm	31,49" inch	1
040110101000	1000 mm	39,37" inch	1
040110101200	1200 mm	47,24" inch	1
Max. Torque, Couple, Esfuerzo de torsion, Drehmoment			120Nm

Material Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

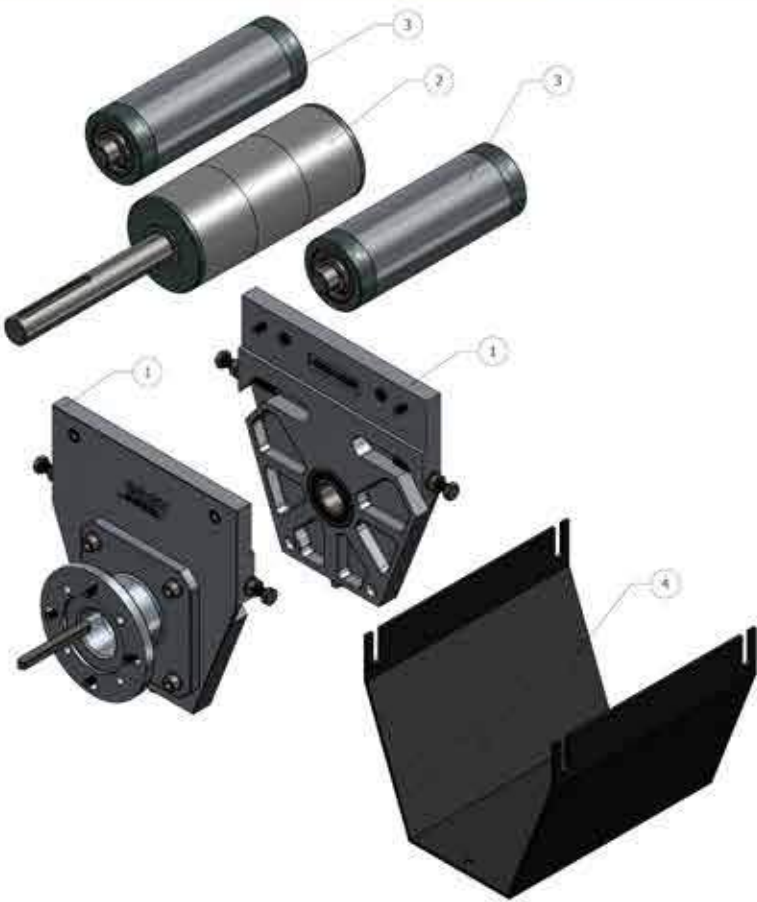


More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040103100200	200 mm	7,87" inch	233 mm	9,17" inch	1 set
EBS040103100400	400 mm	15,74" inch	433 mm	17,05" inch	1 set
EBS040103100600	600 mm	23,62" inch	633 mm	24,92" inch	1 set
EBS040103100800	800 mm	31,49" inch	833 mm	32,80" inch	1 set
EBS040103101000	1000 mm	39,37" inch	1033 mm	40,67" inch	1 set
EBS040103101200	1200 mm	47,24" inch	1233 mm	48,54" inch	1 set

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



- 1 Center drive set
- 2 Head drive shaft
- 3 Tensioner roller
- 4 Cover cap

Art Nr. Pos 1

ECA040103040000

1 set

Art Nr. Pos 2	Art Nr. Pos 3	A =		
040110440200	040110140200	200 mm	7,87" inch	1
040110440400	040110140400	400 mm	15,74" inch	1
040110440600	040110140600	600 mm	23,62" inch	1
040110440800	040110140800	800 mm	31,49" inch	1
040110441000	040110141000	1000 mm	39,37" inch	1
040110441200	040110141200	1200 mm	47,24" inch	1

Max. Torque, Couple, Esfuerzo de torsion, Drehmoment

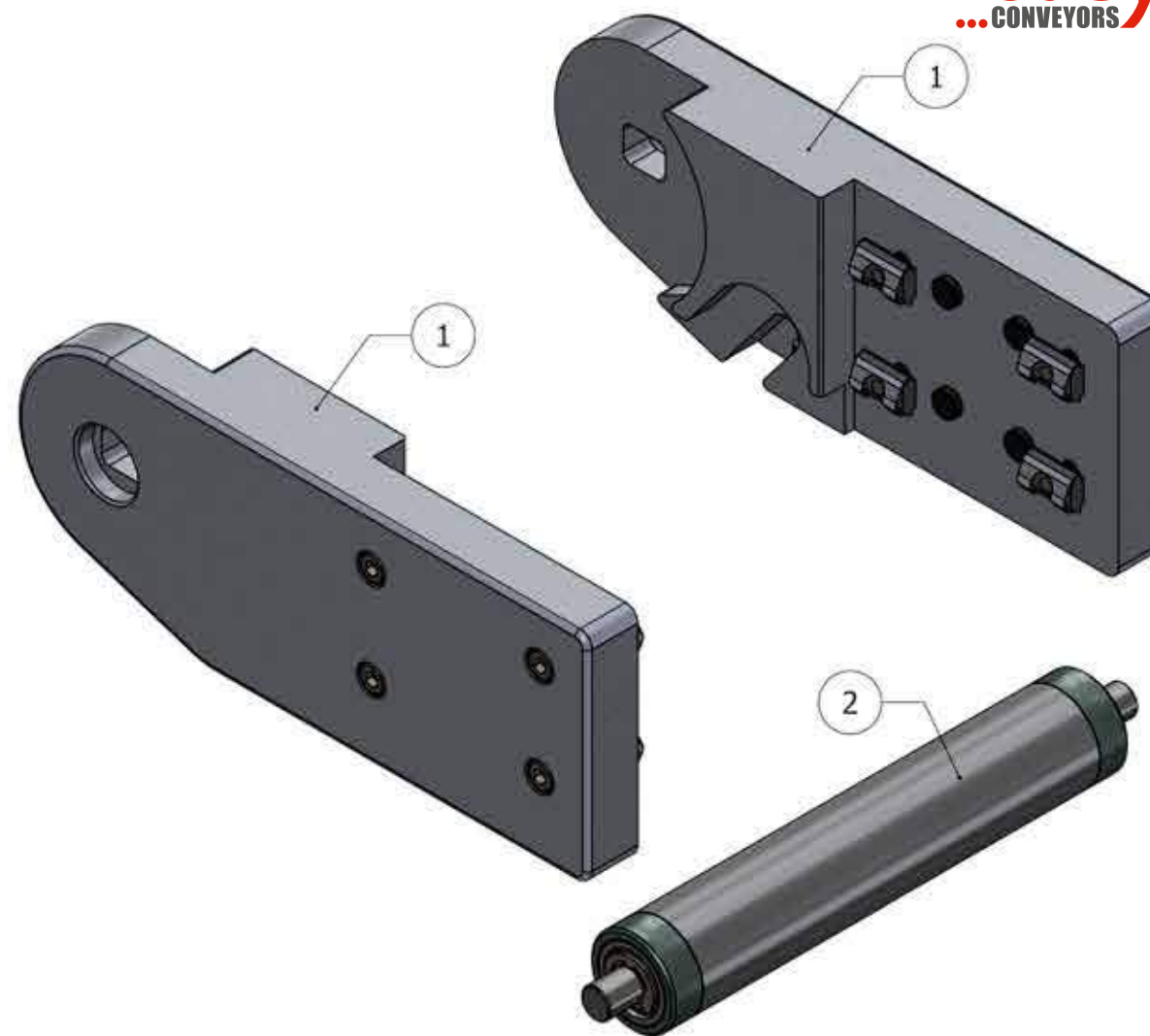
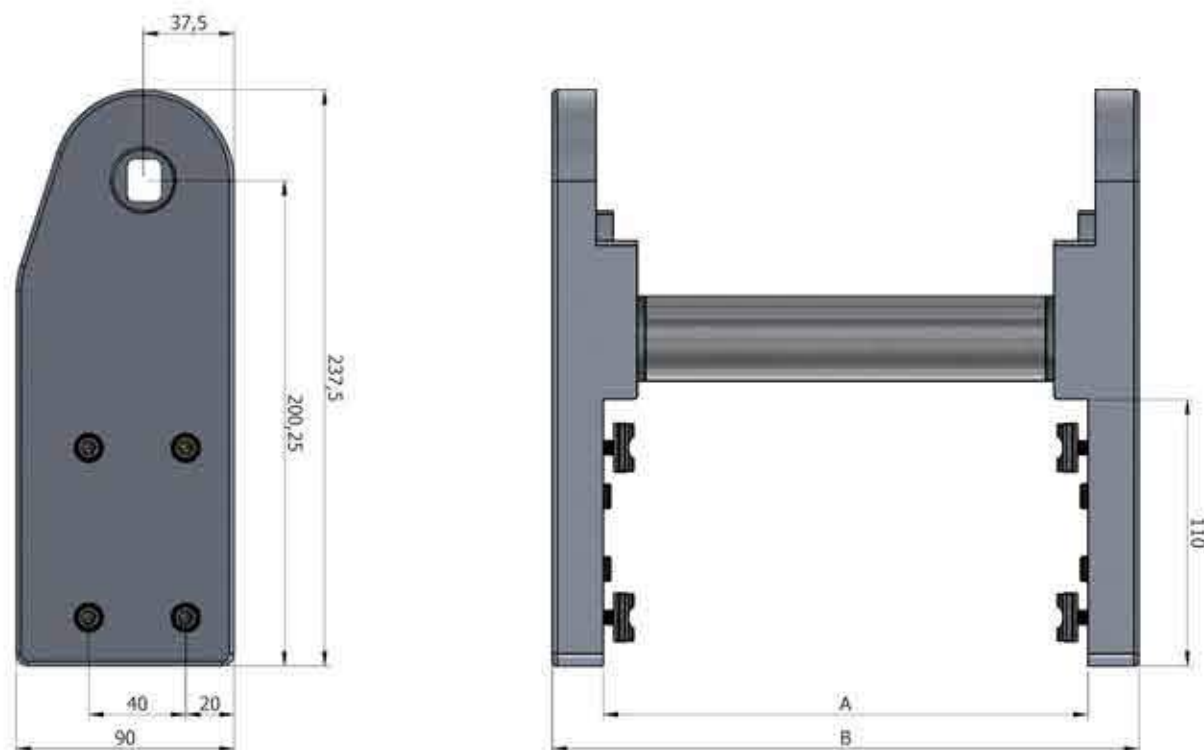
276Nm

Material

Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Art Nr. Pos 4	A =			Material
SPA08038020	200 mm	7,87" inch	1	ABS
SPA08038040	400 mm	15,74" inch	1	ABS
SPA08038060	600 mm	23,62" inch	1	ABS
SPA08038080	800 mm	31,49" inch	1	ABS
SPA08038100	1000 mm	39,37" inch	1	ABS
SPA08038120	1200 mm	47,24" inch	1	ABS

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Drum head drive set
2 Support / tensioner roller

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
ECDR041001020200	200 mm	7,87" inch	242 mm	9,53" inch	1 set
ECDR041001020400	400 mm	15,74" inch	442 mm	17,40" inch	1 set
ECDR041001020600	600 mm	23,62" inch	642 mm	25,28" inch	1 set
ECDR041001020800	800 mm	31,49" inch	842 mm	33,15" inch	1 set

Suitable for, Geeignet für, INTERROLL 80I / LAT TM 82.1
Convient pour, Adecuado para

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1

ECDR041001020000 1 set

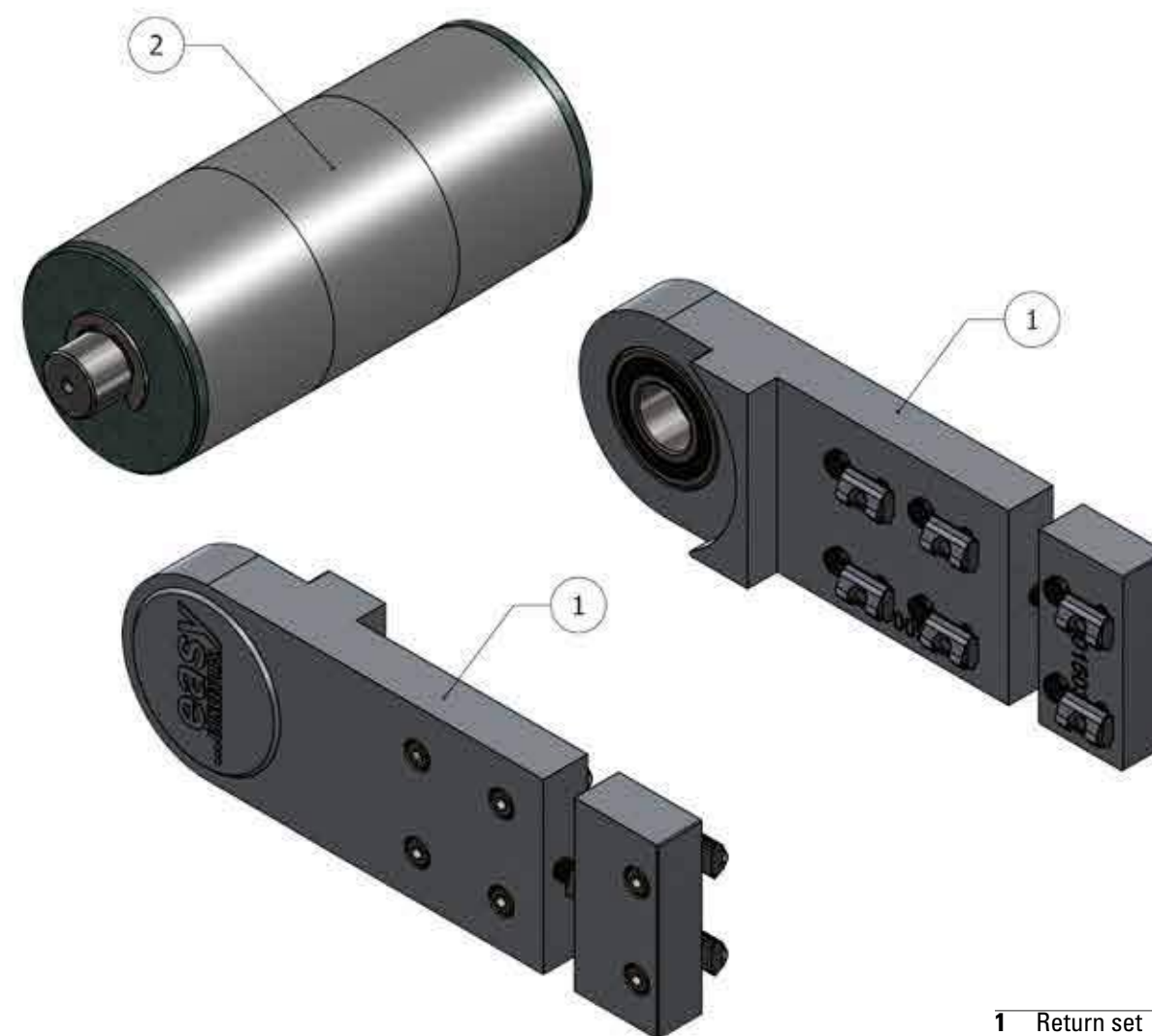
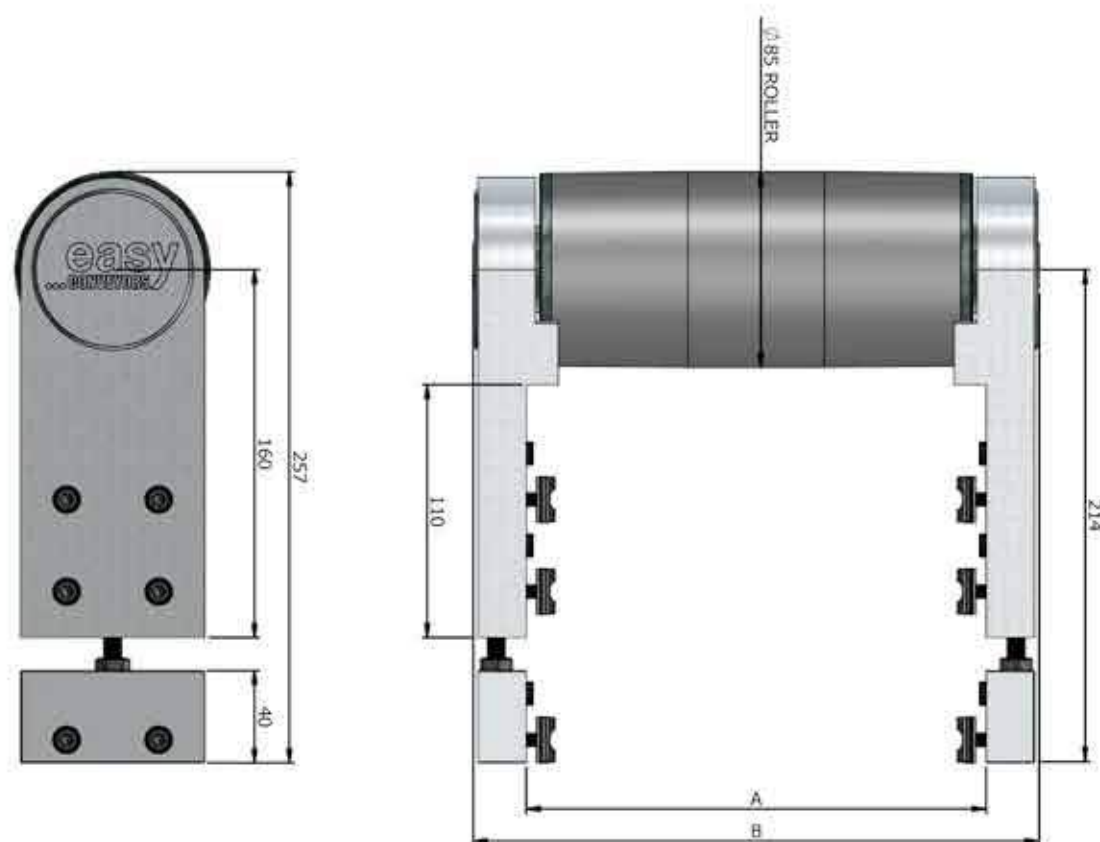
Art Nr. Pos 2

Art. Nr.	A =		
040110130200	200 mm	7,87" inch	1
040110130400	400 mm	15,74" inch	1
040110130600	600 mm	23,62" inch	1
040110130800	800 mm	31,49" inch	1

Material

Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Return set
- 2 Return shaft

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
EBS040104040200	200 mm	7,87" inch	246 mm	9,69" inch	1 set
EBS040104040400	400 mm	15,74" inch	446 mm	17,56" inch	1 set
EBS040104040600	600 mm	23,62" inch	646 mm	25,43" inch	1 set
EBS040104040800	800 mm	31,49" inch	846 mm	33,31" inch	1 set
EBS040104041000	1000 mm	39,37" inch	1046 mm	41,18" inch	1 set
EBS040104041200	1200 mm	47,24" inch	1246 mm	49,06" inch	1 set

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1

ECA08086000S

1 set

Art Nr. Pos 2

	A =		
040110120200	200 mm	7,87" inch	1
040110120400	400 mm	15,74" inch	1
040110120600	600 mm	23,62" inch	1
040110120800	800 mm	31,49" inch	1
040110121000	1000 mm	39,37" inch	1
040110121200	1200 mm	47,24" inch	1

Material

Stainless steel shaft with aluminum roller tube
Welle aus Edelstahl mit Rolle aus Alu-Rohr
Arbre en Acier inoxydable avec tube d'enroulement en aluminium
Eje de Acero inoxidable con rodillos en tubo de aluminio

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



				Food compliance	FDA and 2005/79/CE	Low noise fabric on driving surface	Total thickness	Weight	15	45	85	Max. admissible pull	Min. Temperature resistance	Max. Temperature resistance	Comparative coefficient of friction
							mm	kg/m²				N/mm	°C	°C	
ECA00094000	1M6 U0-V5 W	PVC	WH	x	x		1	1,1	-	x	x	6	-10	60	MF
ECA00094020	2M8 U0-V-U0	PVC	NA	x	-		1,5	1,5	-	x	x	16	-10	60	LF
ECA00094040	2MT5 U0-V3 N	PVC	BL	-	-		1,8	2	-	x	x	12	-10	60	LF
ECA00094050	2M8 U0-V5 A	PVC	GR	-	-		2	2,3	-	x	x	16	-10	60	MF
ECA00094060	2M8 U0-V5 BL	PVC	BL	x	-		2	2,3	-	x	x	16	-10	60	MF
ECA00094070	2M8 U0-V5 W	PVC	WH	x	-		2	2,3	-	x	x	16	-10	60	MF
ECA00094090	2M8 U0-V5 FM N	PVC	BL	-	-		2,1	2,3	-	x	x	16	-10	60	HF
ECA00094100	2M5 U0-U0 HP A	PU	WH	x	-		1	1	x	x	x	12	-30	100	LF
ECA00094110	2M8 U0-U2 N HC	PU	BL	-	-		1,6	1,6	x	x	x	16	-20	100	LF
ECA00094120	2M5 U0-U2 W A	PU	WH	x	-		1,3	1,5	x	x	x	12	-20	100	MF
ECA00094130	2M5 U0-U2 HP VL BLUE A	PU	BL	x	-		1,3	1,4	x	x	x	12	-30	100	MF
ECA00094140	2M5 U0-U2 HP W S A	PU	WH	x	-		1,3	1,4	x	x	x	12	-30	100	HF
ECA00094150	2M5 U0-U2 A	PU	GR	x	-		1,2	1,4	x	x	x	12	-20	100	LF
ECA00094160	SILON 25 W	SILON	WH	x	-		2,2	1,3	-	x	x	10	-20	120	LF
ECA00094170	SILON 25 HC	SILON	AN	-	-		2,5	1,6	-	x	x	10	-20	120	LF
ECA00094180	2T12 U0-U-S2	SILOCON	TR	x	-		1,4	1,3	-	x	x	24	-30	100	HF
ECA00094190	2MT8 S0-S0	SILOCON	NA	-	-		1,2	1,1	-	x	x	16	-40	160	LF
ECA00094200	2MT8 S0-S2	SILOCON	TR	x	-		1,3	1,3	-	x	x	16	-40	160	HF
ECA00094210	2FG12 S0-S3	SILOCON	WH	-			1,1	1,5	-	x	x	24	-40	250	HF

Colors: WH=White, NA=Natural, BL=Black, GR=Green, BL=Blue, AN=Anthracite, TR=Transparent

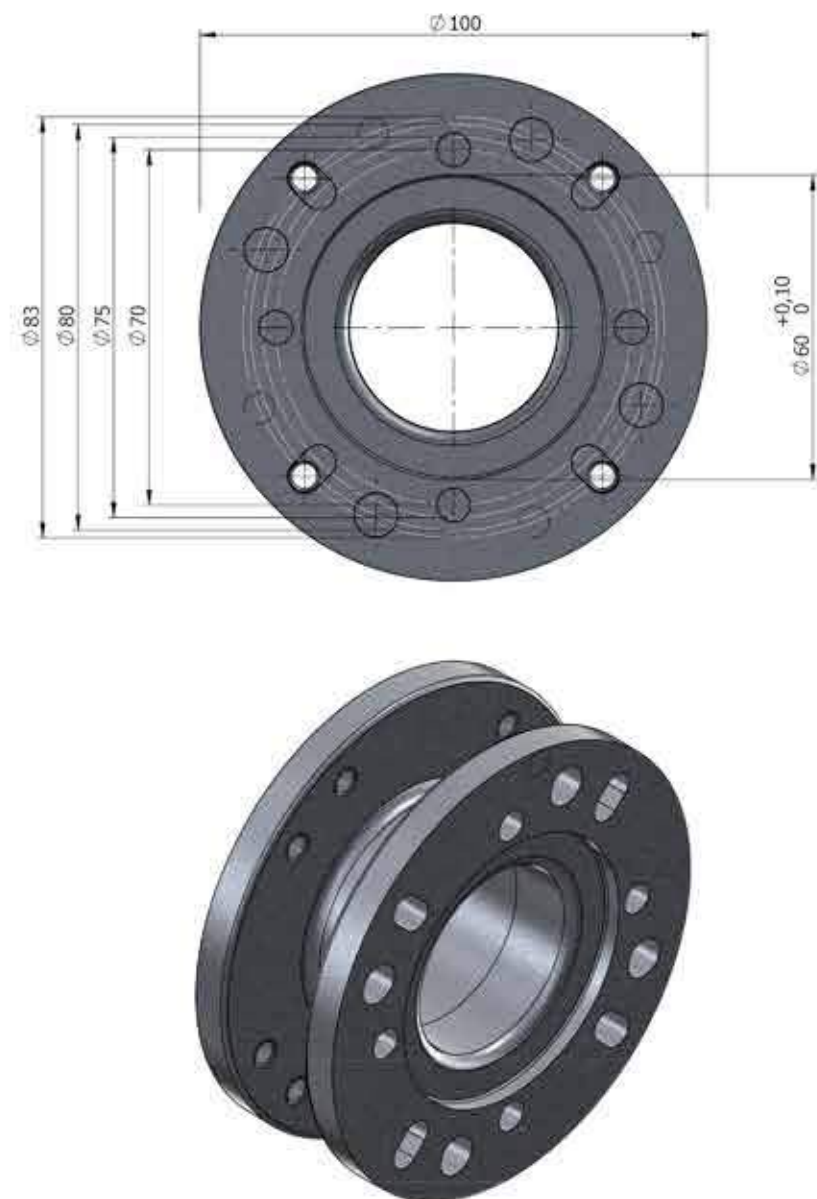


Calculation belt length

EBS 40 - D1	$L = A \times 2 + 141 \text{ mm}$
EBS 40 - D2	$L = A \times 2 + 110 \text{ mm}$
EBS 40 - I1	$L = A \times 2 + 174 \text{ mm}$
EBS 40 - I2	$L = A \times 2 + 141 \text{ mm}$
EBS 40 - M1	$L = A \times 2 + 352 \text{ mm}$
EBS 40 - M2	$L = A \times 2 + 285 \text{ mm}$
EBS 40 - M3	$L = A \times 2 + 322 \text{ mm}$
EBS 80 - D1	$L = A \times 2 + 267 \text{ mm}$
EBS 80 - I1	$L = A \times 2 + 267 \text{ mm}$
EBS 80 - M1	$L = A \times 2 + 536 \text{ mm}$
EBS 40 - M2	$L = A \times 2 + 285 \text{ mm}$
ECDR 40	$L = A \times 2 + 202 \text{ mm}$
ECDR 80	$L = A \times 2 + 262 \text{ mm}$

Pre-tensioning the belt

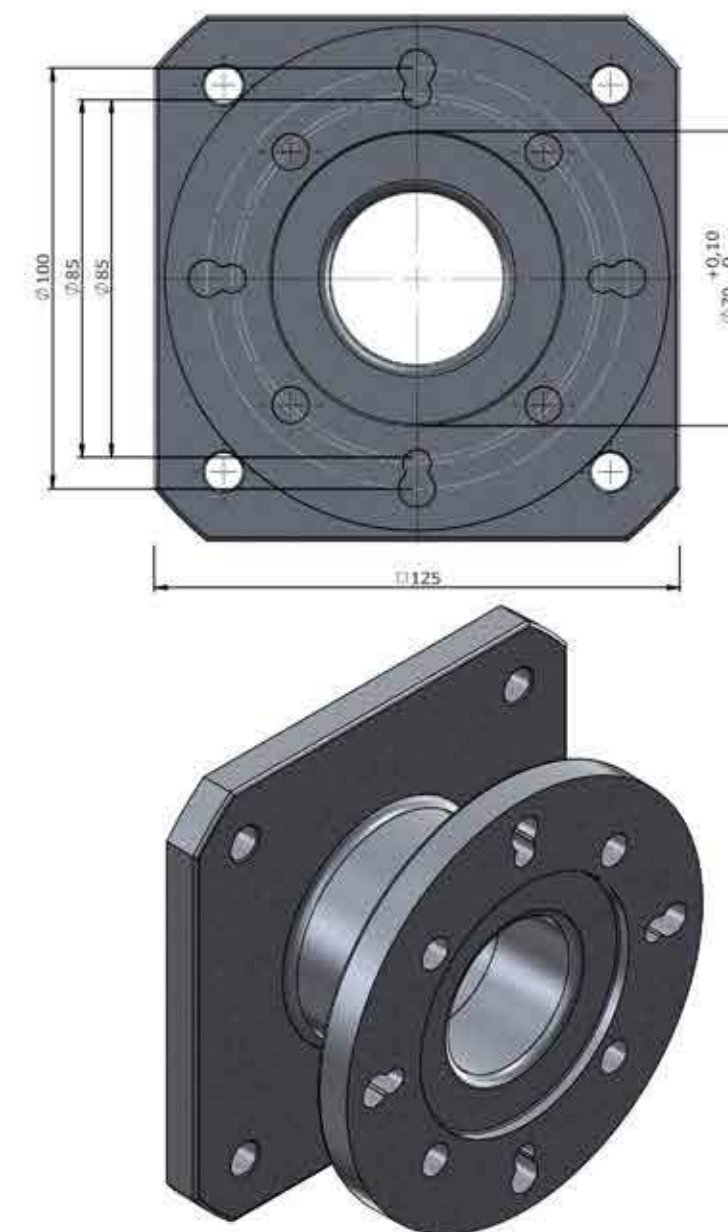
- Pre-tension the belt at least 0,2% (max. 0,8%)
 Vorspannung des Riemens mindestens 0,2% (max. 0,8%)
 Pré-tension de la courroie d'au moins 0,2% (max 0,8%)
 Pre-tensión de la correa de al menos 0,2% (máximo 0,8%)
- Check the pre-tensioning by measuring 1000 mm and mark this on the belt (slack driving belt)
 Überprüfen Sie die Vorspannung durch die Messung 1000mm und markieren diese auf das Band (slack Antriebsriemen)
 Vérifier la pré-tension en mesurant 1000 mm et marquer ce sur la ceinture (la ceinture lâche conduite)
 Comprobar la tensión previa mediante la medición de 1000 mm y marque esta en la banda (banda floja de conducción)
- Stretch the belt until 1002mm (max. 1008 mm) has been reached between the markings
 Spannen Sie den Riemen, bis 1002 mm (max. 1008 mm) hat zwischen den Markierungen erreicht
 Étirez la ceinture jusqu'à ce que 1002 mm (1008 mm max) a été conclu entre les marques
 Estire la correa hasta 1002 mm (máx. 1008 mm) se ha alcanzado entre las marcas



More technical information: See engineering online www.easy-conveyors.com

Art Nr.	Material
040106090002	AL
Possible drives:	SEW-WA20; Motovario-NMRV40 ; Varvel-MRS40; Nord-SK 1SI 40

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



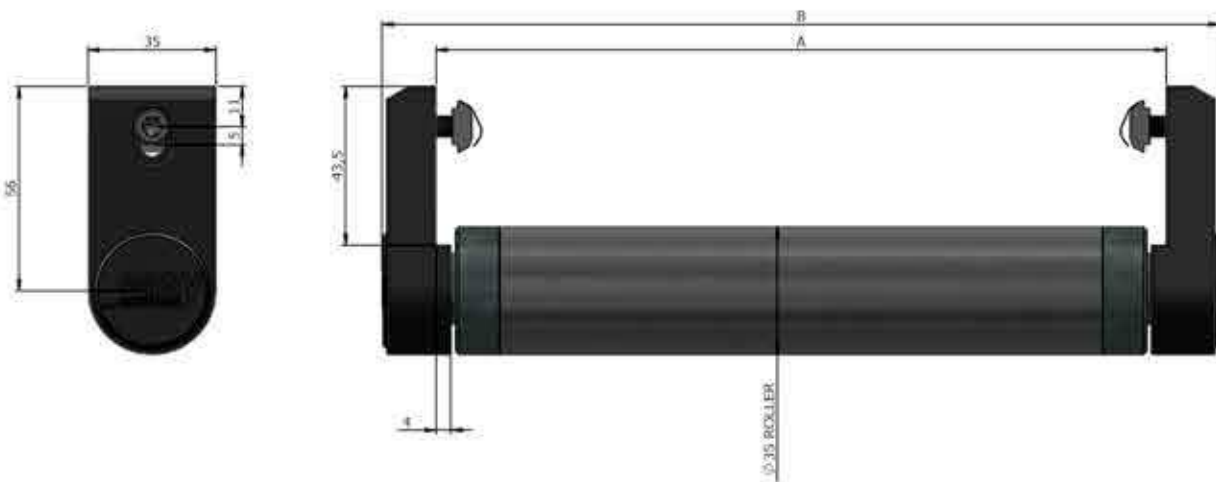
More technical information: See engineering online www.easy-conveyors.com

Art Nr.	Material
040106090003	AL
Possible drives:	SEW-WA30; Motovario-NMRV50 ; Varvel-MRS50; Nord-SK 1SI 50

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



See engineering online
www.easy-conveyors.com



More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones

Art. Nr.	A =		B =		
ECA040105040100	100 mm	3,93" inch	130 mm	5,12" inch	1 set
ECA040105040200	200 mm	7,87" inch	230 mm	9,06" inch	1 set
ECA040105040300	300 mm	11,81" inch	330 mm	12,99" inch	1 set
ECA040105040400	400 mm	15,74" inch	430 mm	16,93" inch	1 set
ECA040105040500	500 mm	19,68" inch	530 mm	20,87" inch	1 set
ECA040105040600	600 mm	23,62" inch	630 mm	24,80" inch	1 set
ECA040105040800	800 mm	31,49" inch	830 mm	32,68" inch	1 set
ECA040105041000	1000 mm	39,37" inch	1030 mm	40,55" inch	1 set
ECA040105041200	1200 mm	47,24" inch	1230 mm	48,43" inch	1 set

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta

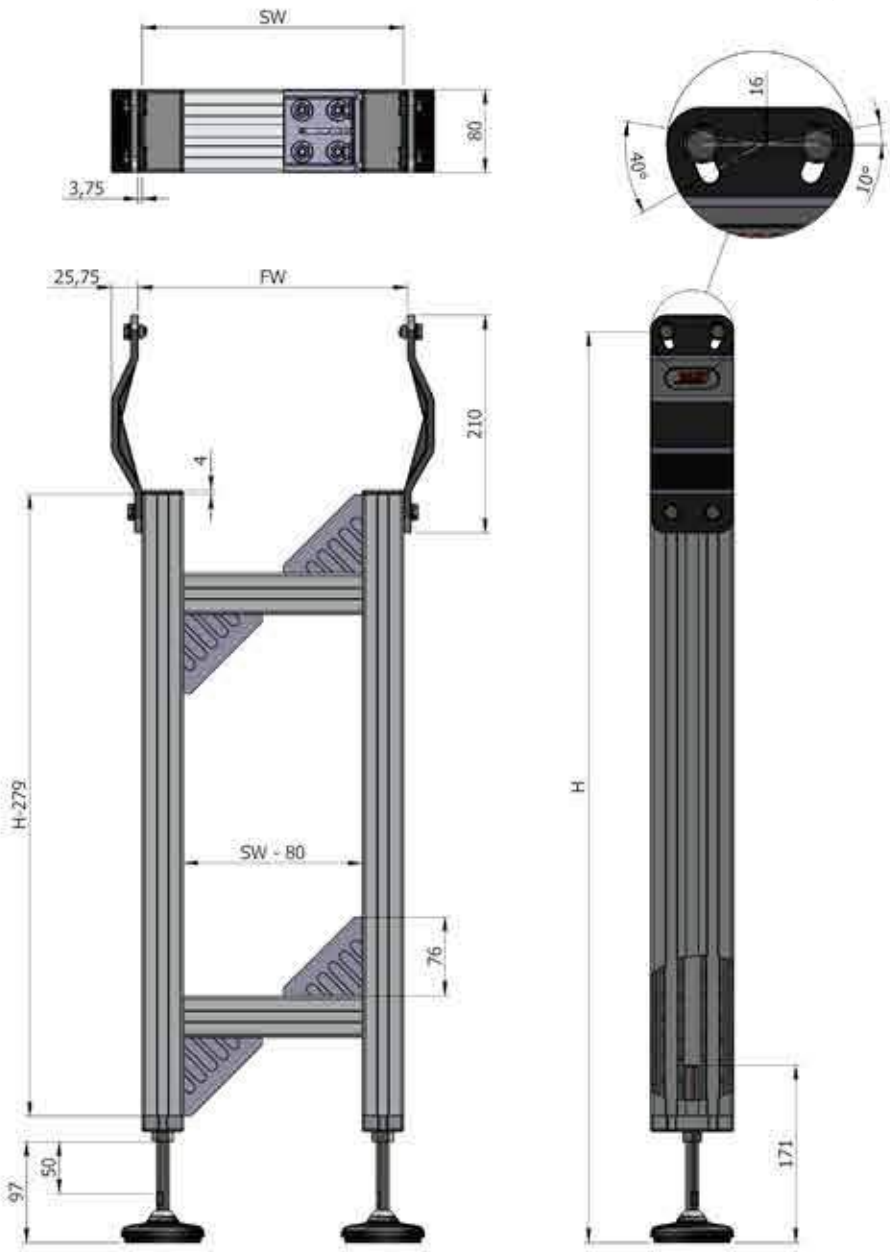


- 1 Roller
- 2 Bracket

Art Nr. Pos 1	A =			Material
040110130100	100 mm	3,93" inch	1	AL
040110130200	200 mm	7,87" inch	1	AL
040110130300	300 mm	11,81" inch	1	AL
040110130400	400 mm	15,74" inch	1	AL
040110130500	500 mm	19,68" inch	1	AL
040110130600	600 mm	23,62" inch	1	AL
040110130800	800 mm	31,49" inch	1	AL
040110131000	1000 mm	39,37" inch	1	AL
040110131200	1200 mm	47,24" inch	1	AL
Material		Stainless steel shaft with aluminum roller tube Welle aus Edelstahl mit Rolle aus Alu-Rohr Arbre en Acier inoxydable avec tube d'enroulement en aluminium Eje de Acero inoxidable con rodillos en tubo de aluminio		

Art Nr. Pos 2		Material
040106110000	1 set	PA

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 I support bracket
- 2 Profile 40x80L
- 3 Profile 40x80L
- 4 Foot plate 40x80L
- 5 Hinged feet Ø80
- 6 Hexagon nut
- 7 Bracket 80
- 8 Cap 40x80

More technical information: See engineering online www.easy-conveyors.com

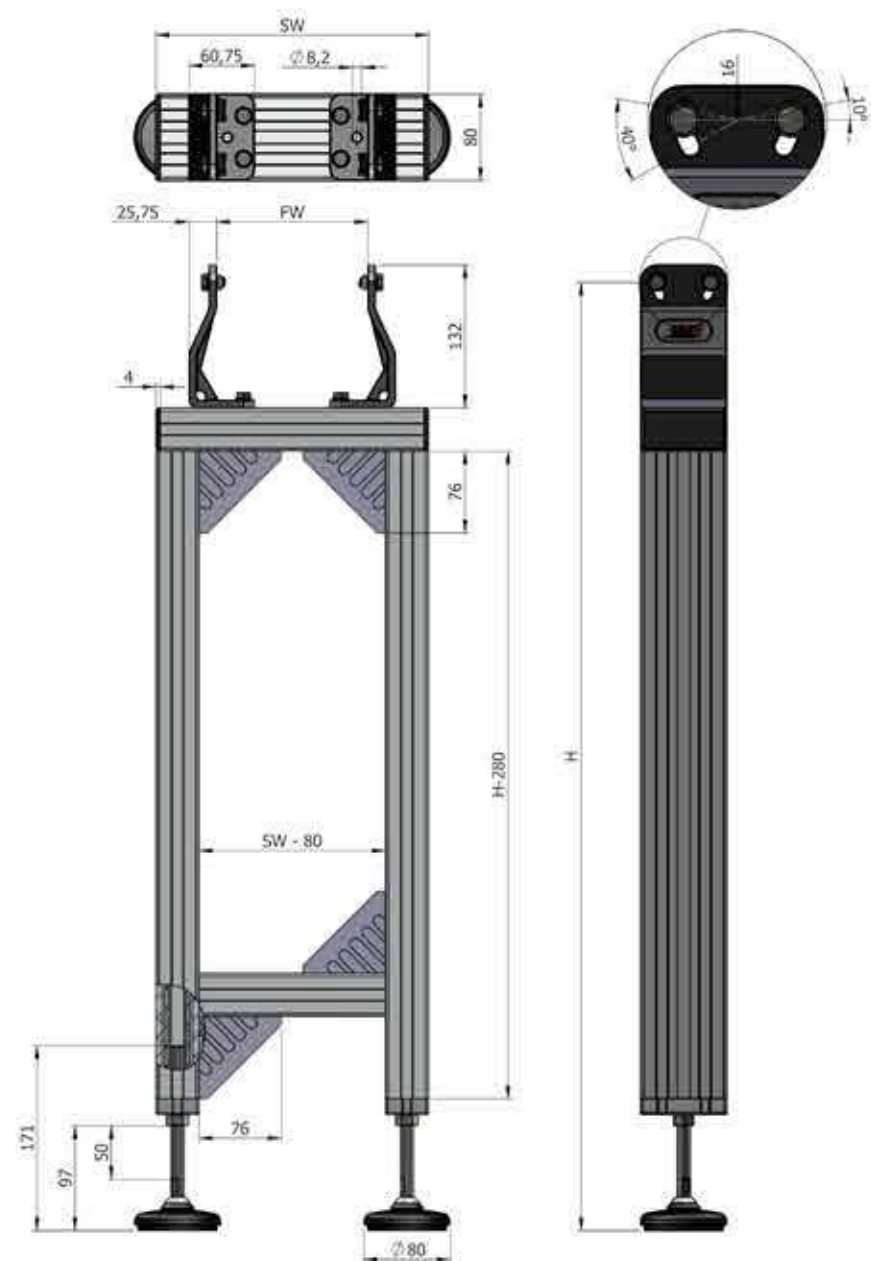
Dimensions - Abmessungen - Dimensions - Dimensiones		
FW =		
SW Min =	156 mm	6,14" inch
H Max =	1200 mm	47,25" inch
Always fasten to the floor, Immer am Boden befestigen		
Siempre sujete al suelo, Toujours attacher à l'étage		

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1	Material	
ETS040808030000 I support bracket	PA FG	1 set of 2 pieces, incl. fasteners
Art Nr. Pos 2 + 3	Material	
020102070008 Profile 40x80L, L= 6070 mm	AL	1
Art Nr. Pos 4	Material	
020102150000 Foot plate 40x80L	AL	1 piece, incl. fasteners
Art Nr. Pos 5	Material	
040707020003 Hinged feet Ø80	Screw jack: Stainless steel, Foot: Synthetic plastic	1
Art Nr. Pos 6	Material	
BV093412000A2 Hexagon nut	Stainless steel, Edelstahl, Acier inoxydable, Acero inoxidable	100
Art Nr. Pos 7	Material	
020102160001 Bracket 80	AL	1 piece, incl. fasteners
Art Nr. Pos 8	Material	
020102140001 Cap 40x80	PA FG	10

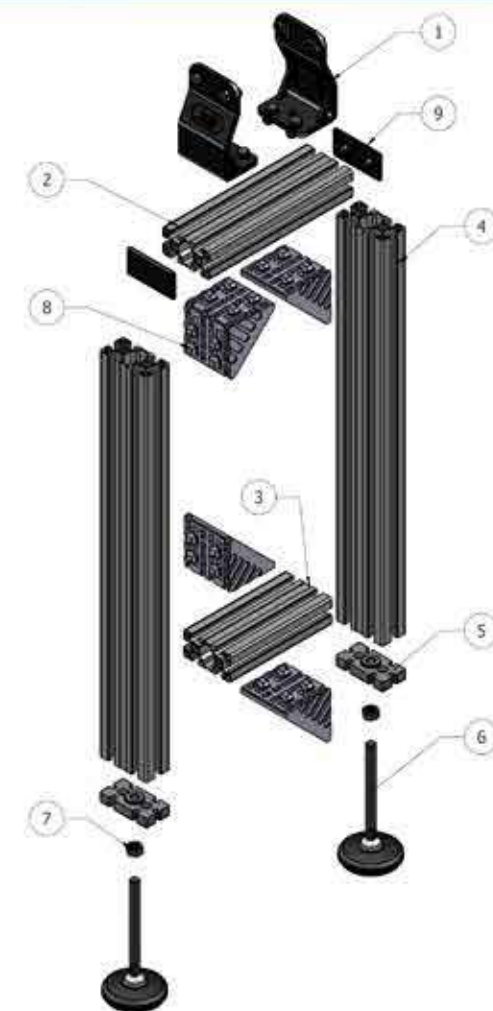
Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones		
FW =		
SW Min =	232 mm	9,13" inch
H Max =	1200 mm	47,25" inch
Always fasten to the floor, Immer am Boden befestigen		
Siempre sujete al suelo, Toujours attacher à l'étage		

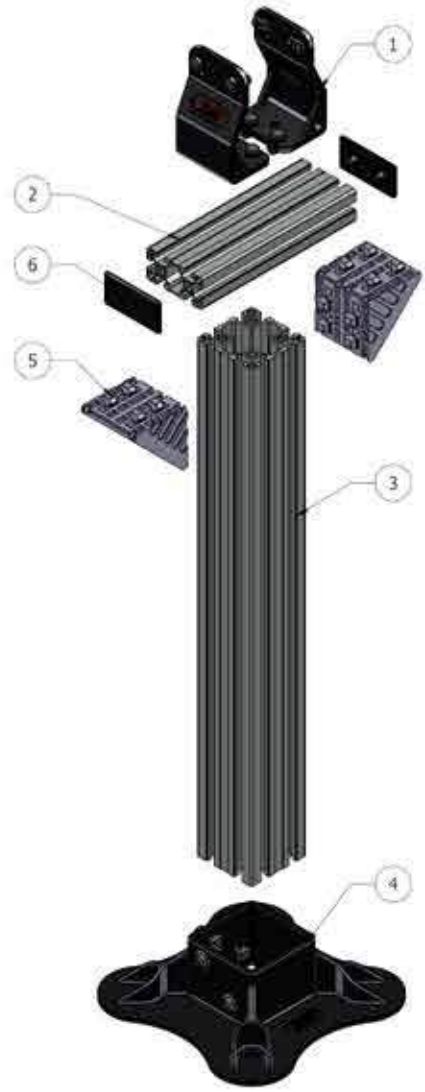
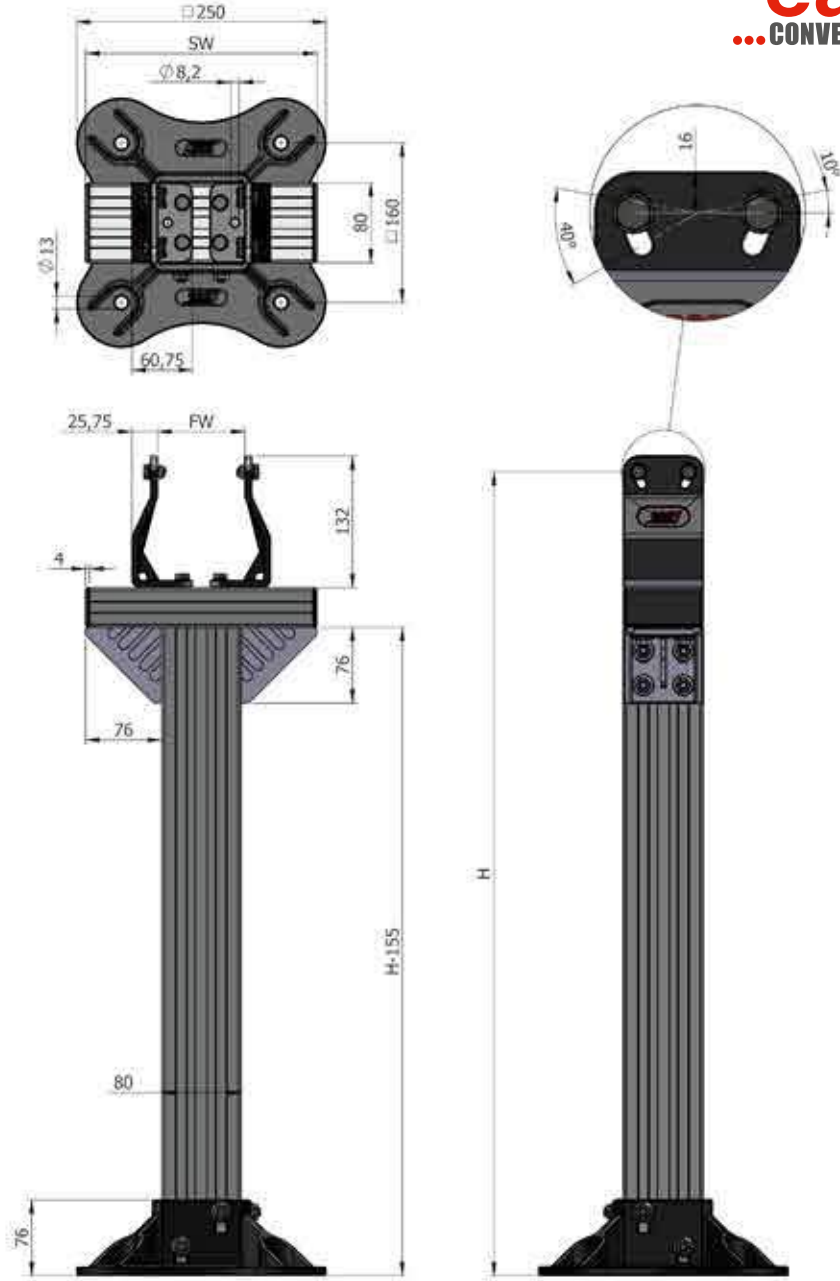
Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



- 1 L support bracket
- 2 Profile 40x80L
- 3 Profile 40x80L
- 4 Profile 40x80L
- 5 Foot plate 40x80
- 6 Hinged feet Ø80
- 7 Hexagon nut
- 8 Bracket 80
- 9 Cap 40x80

Art Nr. Pos 1	Material	
ETS040808020000 L support bracket	PA FG	1 set of 2 pieces, incl. fasteners
Art Nr. Pos 2 + 3 + 4	Material	
020102070008 Profile 40x80L, L= 6070 mm	AL	1
Art Nr. Pos 5	Material	
020102150000 Foot plate 40x80L	AL	1 piece, incl. fasteners
Art Nr. Pos 6	Material	
040707020003 Hinged feet Ø80	PA FG + stainless steel, PA + edelstahl PA Acier inoxydable, PA + acevo inoxidable	1
Art Nr. Pos 7	Material	
BV093412000A2 Hexagon nut	Stainless steel	100
Art Nr. Pos 8	Material	
020102160001 Bracket 80	AL	1 piece, incl. fasteners
Art Nr. Pos 9	Material	
020102140001 Cap 40x80	PA FG	10

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 L support bracket
- 2 Profile 40x80 L
- 3 Profile 80x80 L
- 4 Support base
- 5 Bracket 80
- 6 Cap 40x80

More technical information: See engineering online www.easy-conveyors.com

Dimensions - Abmessungen - Dimensions - Dimensiones	
FW =	
SW Min =	232 mm 9,13" inch
We advise a maximum (FW) than 400 mm, Wir empfehlen eine maximale Breite von 400 mm	
Se aconseja un máximo de ancho de 400 mm, Nous vous conseillons une gamme maximale de 400 mm	
H Max =	1200 mm 47,25" inch
Always fasten to the floor, Immer am Boden befestigen	
Siempre sujete al suelo, Toujours attacher à l'étage	

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1	Material	
ETS040808020000 L support bracket	PA FG	1 set of 2 pieces, incl. fasteners
Art Nr. Pos 2	Material	
020102070008 Profile 40x80L, L= 6070 mm	AL	1
Art Nr. Pos 3	Material	
020102070009 Profile 80x80L, L= 6070 mm	AL	1
Art Nr. Pos 4	Material	
ETS040808040000 Support base	AL RAL9005	1
Art Nr. Pos 5	Material	
020102160001 Bracket 80x80	AL	1 piece, incl. fasteners
Art Nr. Pos 6	Material	
020102140001 CAP 40x80	PA FG	10

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

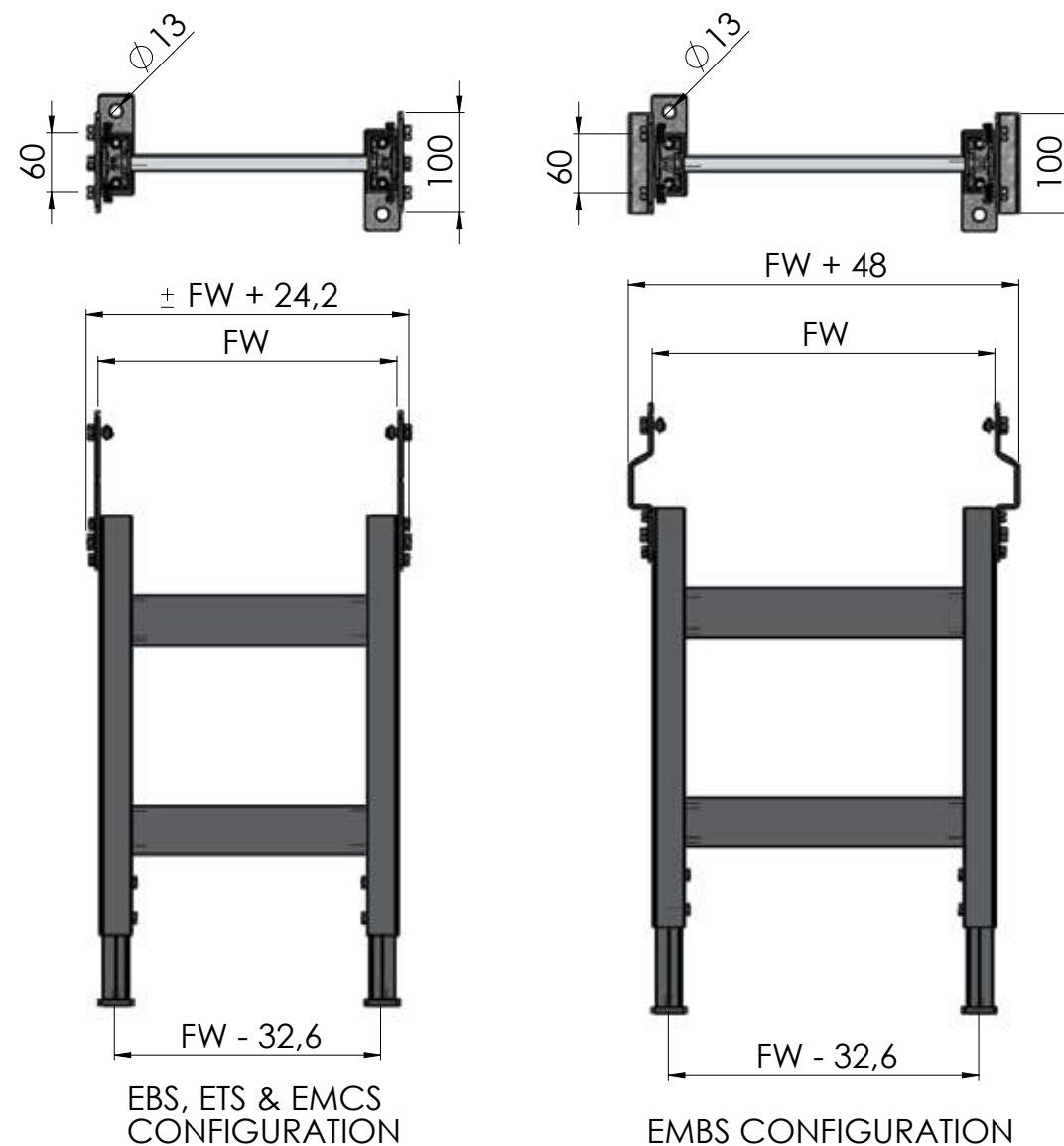
LEG SUPPORT

**EBS, EMBS, ETS AND EMCS
IN HEIGHT ADJUSTABLE**



easy
...CONVEYORS

www.easy-conveyors.com



EBS, ETS & EMCS
CONFIGURATION

EMBS CONFIGURATION

More technical information: See engineering online www.easy-conveyors.com

TECHNICAL DATA

General technical data

Max. load capacity	200 kg
Min. Adjustable Height	±325 mm
Max. Adjustable Height	±2500 mm
Number of cross members	Type 01 & 02 – 1 piece
	Type 03 & 04 – 2 pieces
	Type 05 – 3 pieces

Side Profile

Suitable side profile material	Aluminium
--------------------------------	-----------

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



More technical information: See engineering online www.easy-conveyors.com

Type selection

Type	Conveyor System				
	EBS 40	EBS 80	ETS	EMBS	EMCS
	Adjustable Height [mm]*				
01.	325 – 400	325 – 440	355 – 430	360 – 435	335 – 470
02.	395 – 540	435 – 580	425 – 570	430 – 575	465 – 610
03.	535 – 820	575 – 860	565 – 850	570 – 855	605 – 890
04.	815 – 1380	855 – 1420	845 – 1410	850 – 1415	885 – 1450
05.	1375 – 2500	1415 – 2540	1405 – 2530	1410 – 2535	1445 – 2570

General Support Stand CONFIGURATOR

Please create the reference number with the following configurator.

1 TYPE GSS

2 Conveyor System EBS 40 | EBS 80 | ETS | EMBS | EMCS

3 System Width Enter Conveyor System Width Standard:

EBS 40	EBS 80	ETS	EMBS	EMCS
100	200	80	255	170
200	400	140	340	255
300	600	200	425	340
400	800		510	425
500	1000			510
600	1200			680
				850

Special: On request

4 Height 01 | 02 | 03 | 04 | 05

1 2 3 4
GSS - - -

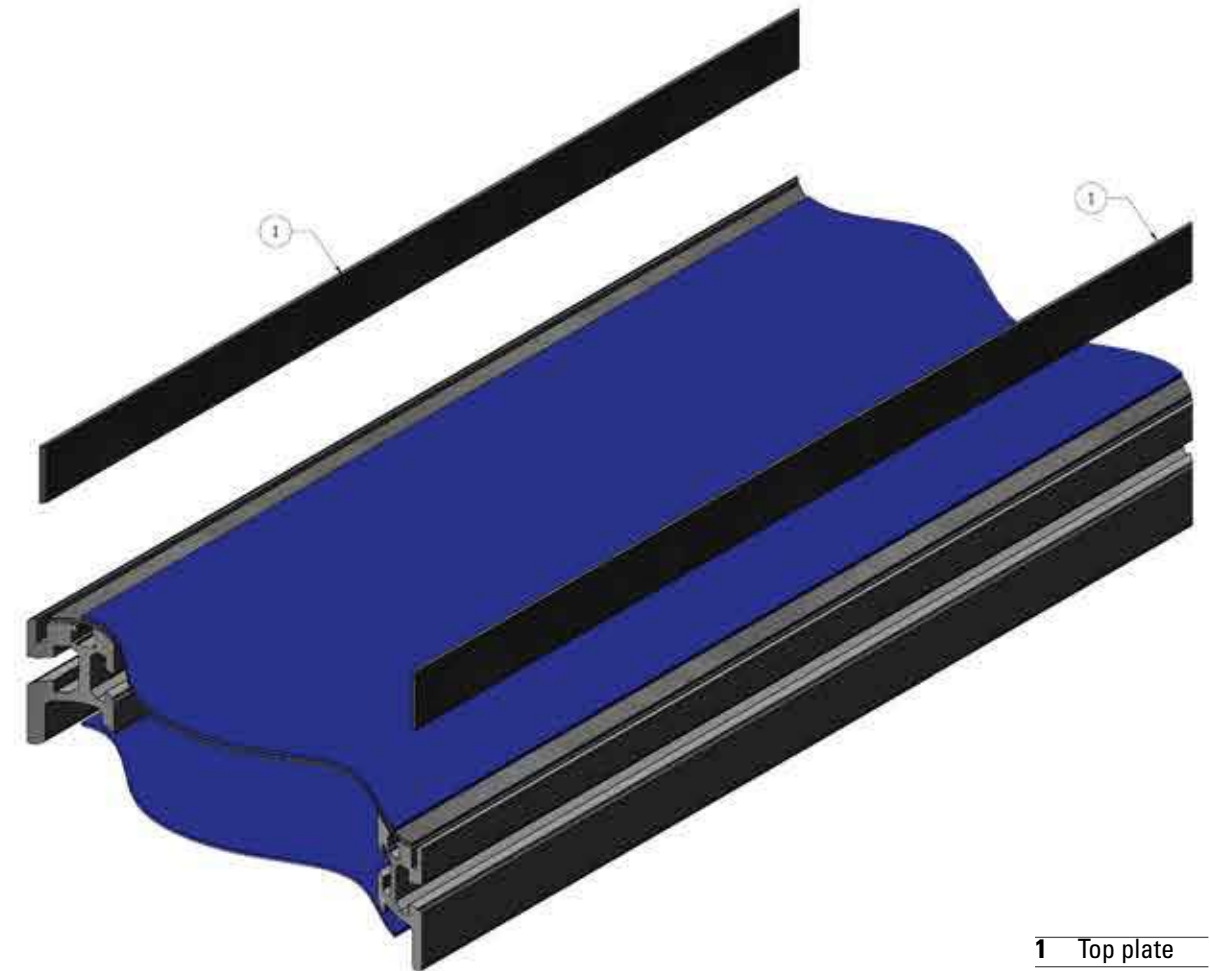
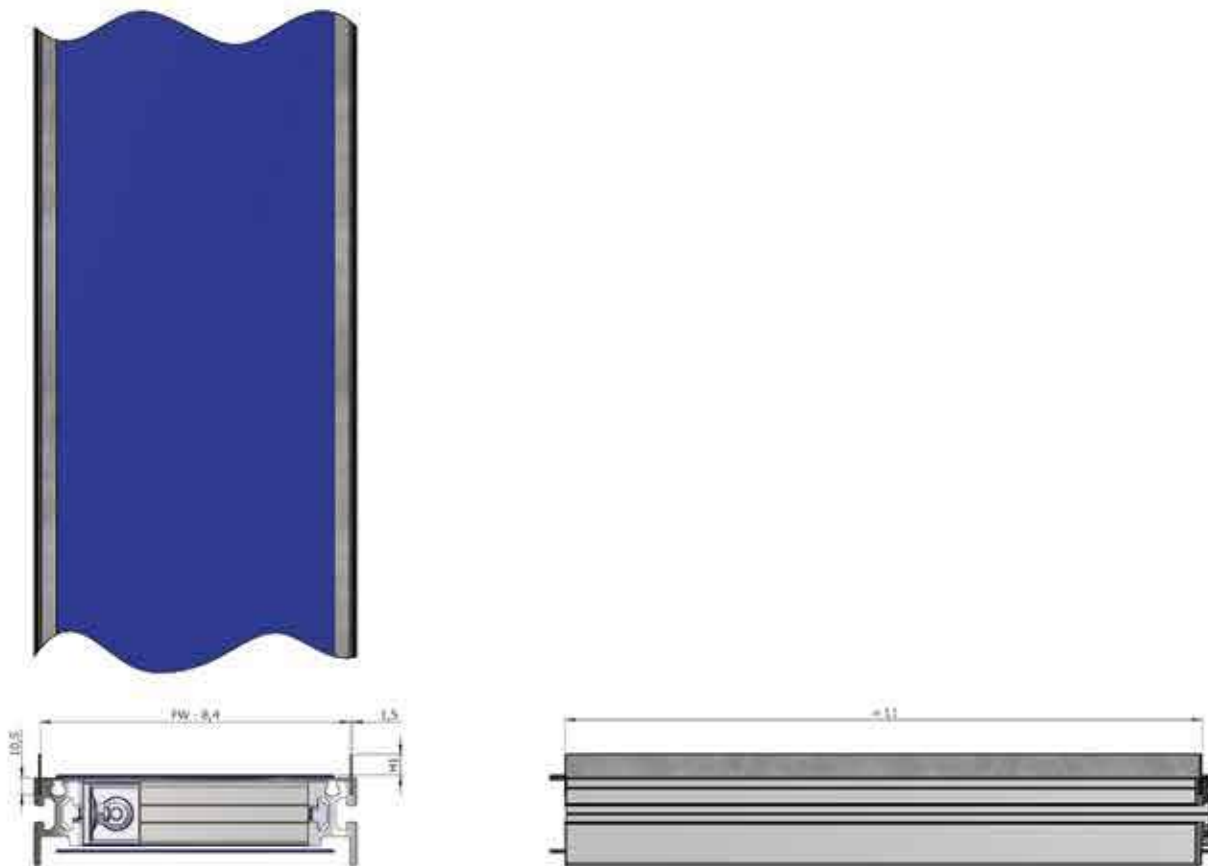
ORDER EXAMPLE

Example for a reference number:
GSS – ETS – 140 – 03

This reference number stand for a General Support Stand with the clearance for an ETS 140 conveyor type with an adjustable top of belt height between 565 mm and 850 mm.

Note:

1. Longitudinal or diagonal cross members are not included.
2. Dependable on conveyor speed, load, start/stops, etc. additional cross members noted under '1.' are not included.



1 Top plate

More technical information: See engineering online www.easy-conveyors.com

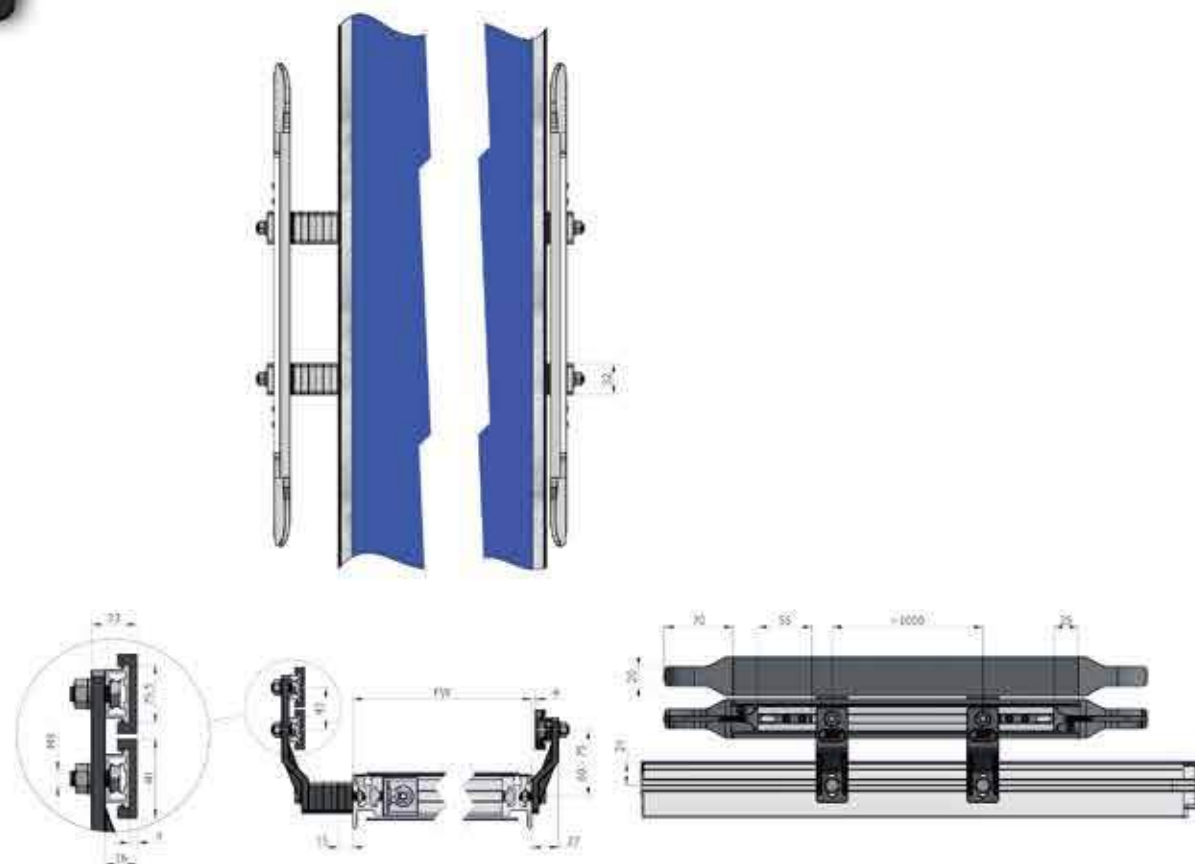
Dimensions - Abmessungen - Dimensions - Dimensiones	
H1 Max =	200 mm - 7,87" inch
For assembling you can use bolts, Zur montage können sie mit Bolzen, Pour le montage, vous pouvez utiliser des boulons, Para el montaje se puede utilizar tornillos	

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1	
ECA00092000 TOP PLATE	1
Material	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



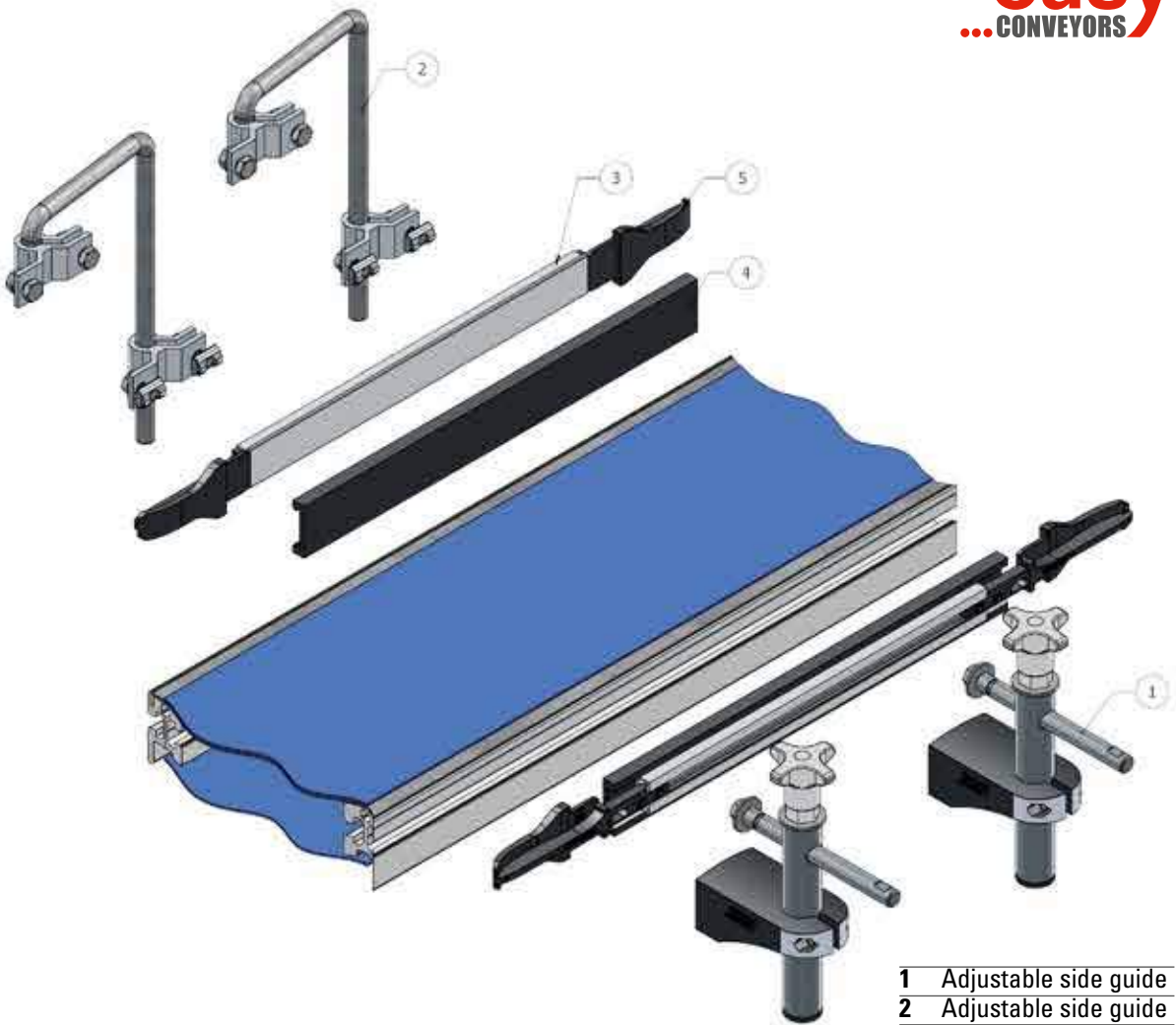
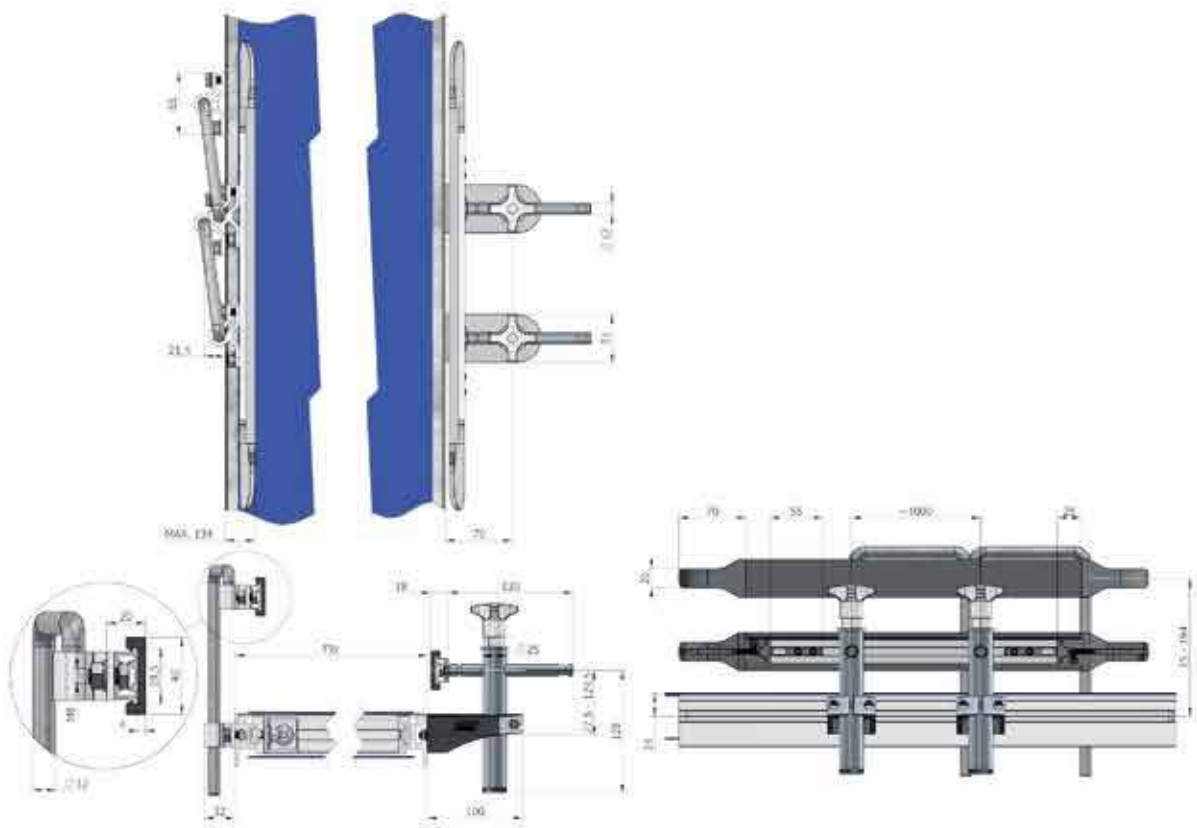
- | | |
|---|----------------------------|
| 1 | Side guiding bracket short |
| 2 | Side guiding bracket long |
| 3 | Side guide profile AL |
| 4 | Side guide cover |
| 5 | Guide end |
| 6 | Guide spacer |

Art Nr. Pos 1		Material	
ETS040809010000	Side guiding short	PA FG	 1 piece, incl. fasteners
Art Nr. Pos 2		Material	
ETS040809020000	Side guiding long	PA FG	 1 piece, incl. fasteners
Art Nr. Pos 3		Material	
ETS040809000000	Side guide profile AL	AL	 1 piece; L=5.6mtr
Art Nr. Pos 4		Material	
ECP040103000000	Side guiding cover	PE	 1 piece; l=3mtr
Art Nr. Pos 5		Material	
ETS040809050000	Guide end 40	PA FG	 1 set of pieces, incl. fasteners
Art Nr. Pos 6		Material	
ETS040906030100	Guide spacer	PA FG	 10

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta





- 1 Adjustable side guide
- 2 Adjustable side guide
- 3 Side guide profile
- 4 Side guide cover
- 5 Guide end

Art Nr. Pos 1	Material
ETS040809030000 Side guide	PA FG + stainless steel, PA + edelstahl 1 piece, incl. fasteners PA Acier inoxydable, PA + acevo inoxidable

Art Nr. Pos 2	Material
ERA040409010000 Side guide	AL + steel galvanised, AL + stahl verzinkt 1 piece, incl. fasteners AL + Acier galvanisé, AL + Acero galvanizado

Art Nr. Pos 3	Material
ETS040809000000 Side guiding profile	AL 1 piece; L=5.6mtr

Art Nr. Pos 4	Material
ECP040103000000 Side guide cover	PE 1 piece; l=3mtr

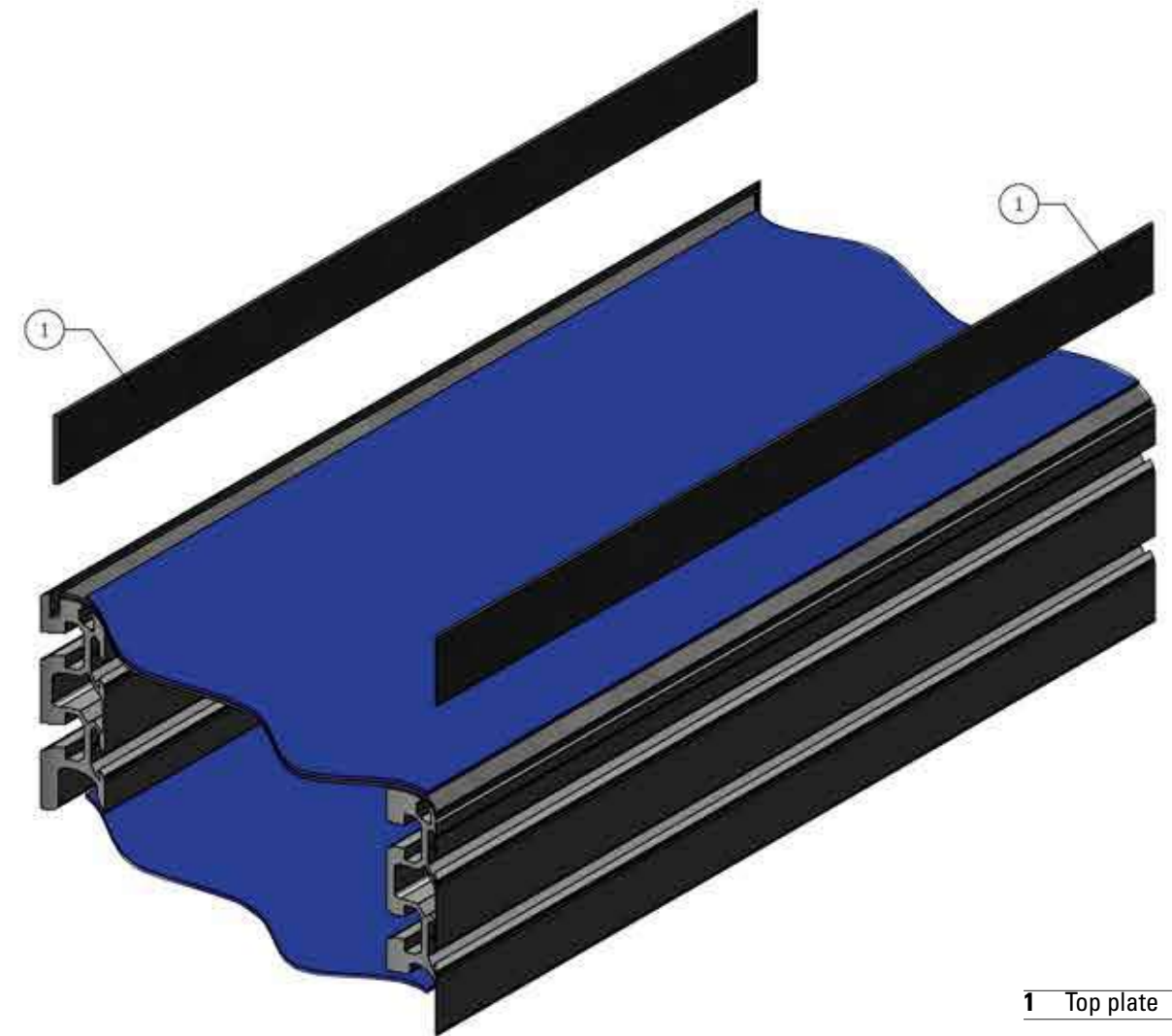
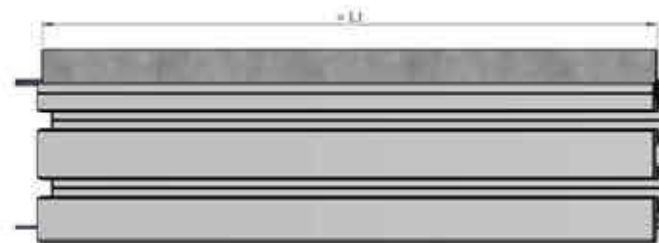
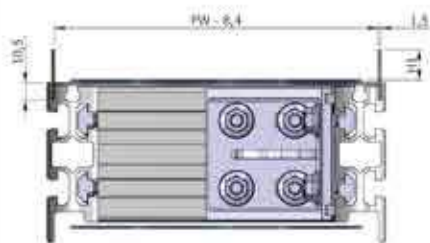
Art Nr. Pos 5	Material
ETS040809050000 Guide end 40	PA FG 1 set of pieces, incl. fasteners

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

More technical information: See engineering online www.easy-conveyors.com

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta





1 Top plate

More technical information: See engineering online www.easy-conveyors.com

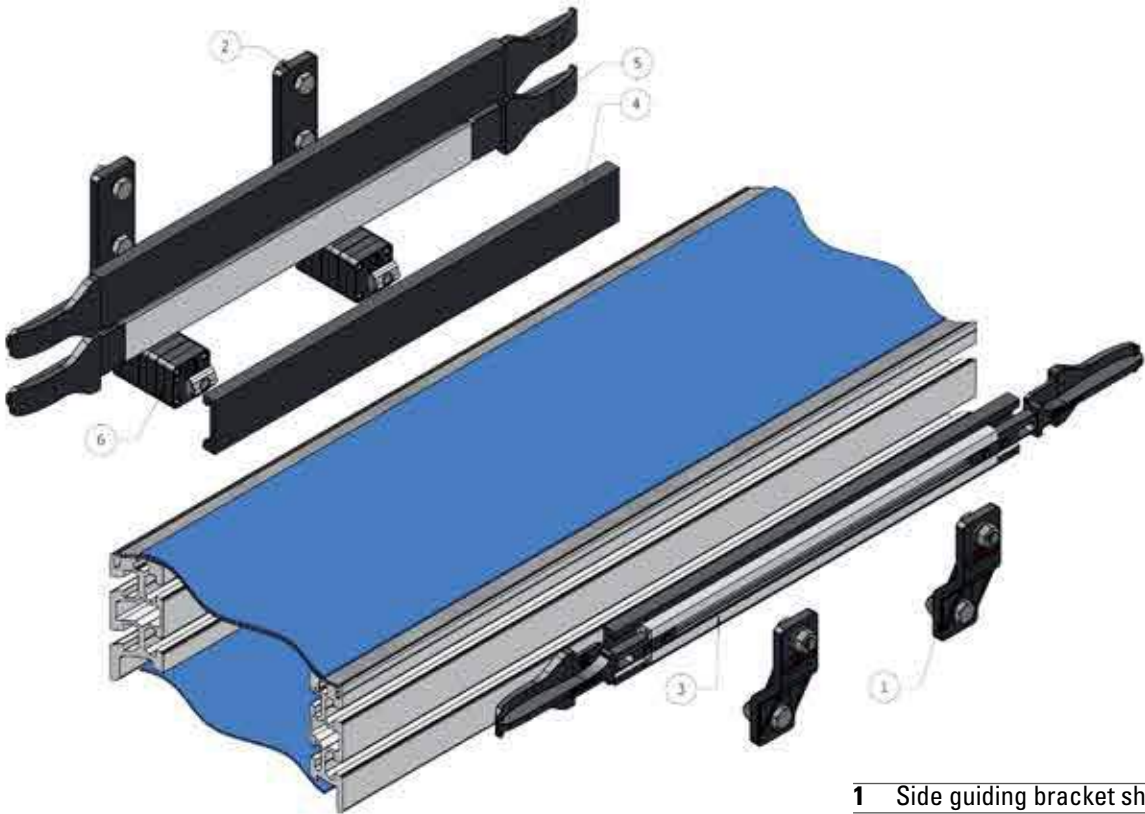
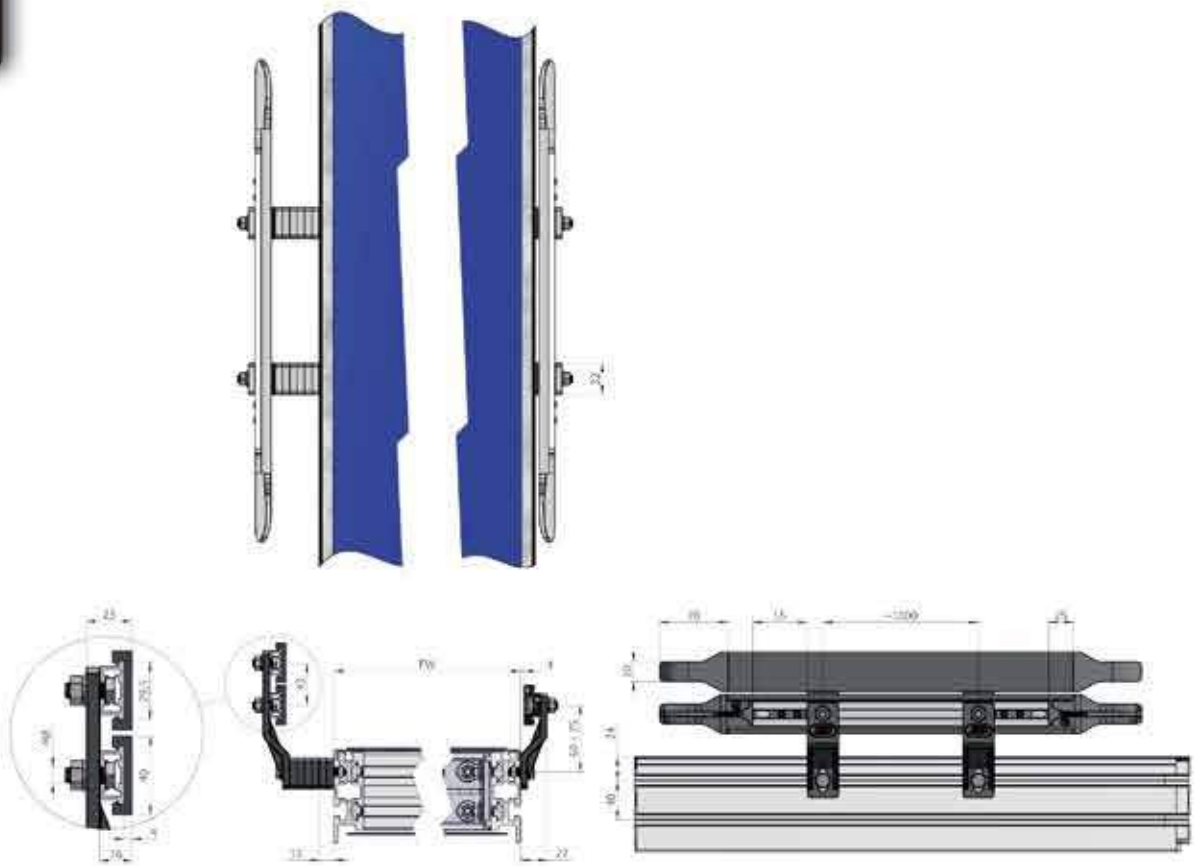
Dimensions - Abmessungen - Dimensions - Dimensiones	
H1 Max =	200 mm - 7,87" inch
For assembling you can use bolts, Zur montage können sie mit Bolzen, Pour le montage, vous pouvez utiliser des boulons, Para el montaje se puede utilizar tornillos	

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Art Nr. Pos 1	Material	
ECA00092000 Top plate	Steel galvanized, Stahl verzinkt, Acier galvanisé, Acero galvanizado	1

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- 1 Side guiding bracket short
- 2 Side guiding bracket long
- 3 Side guide profile
- 4 Side guide strip
- 5 Guide end
- 6 Guide spacer

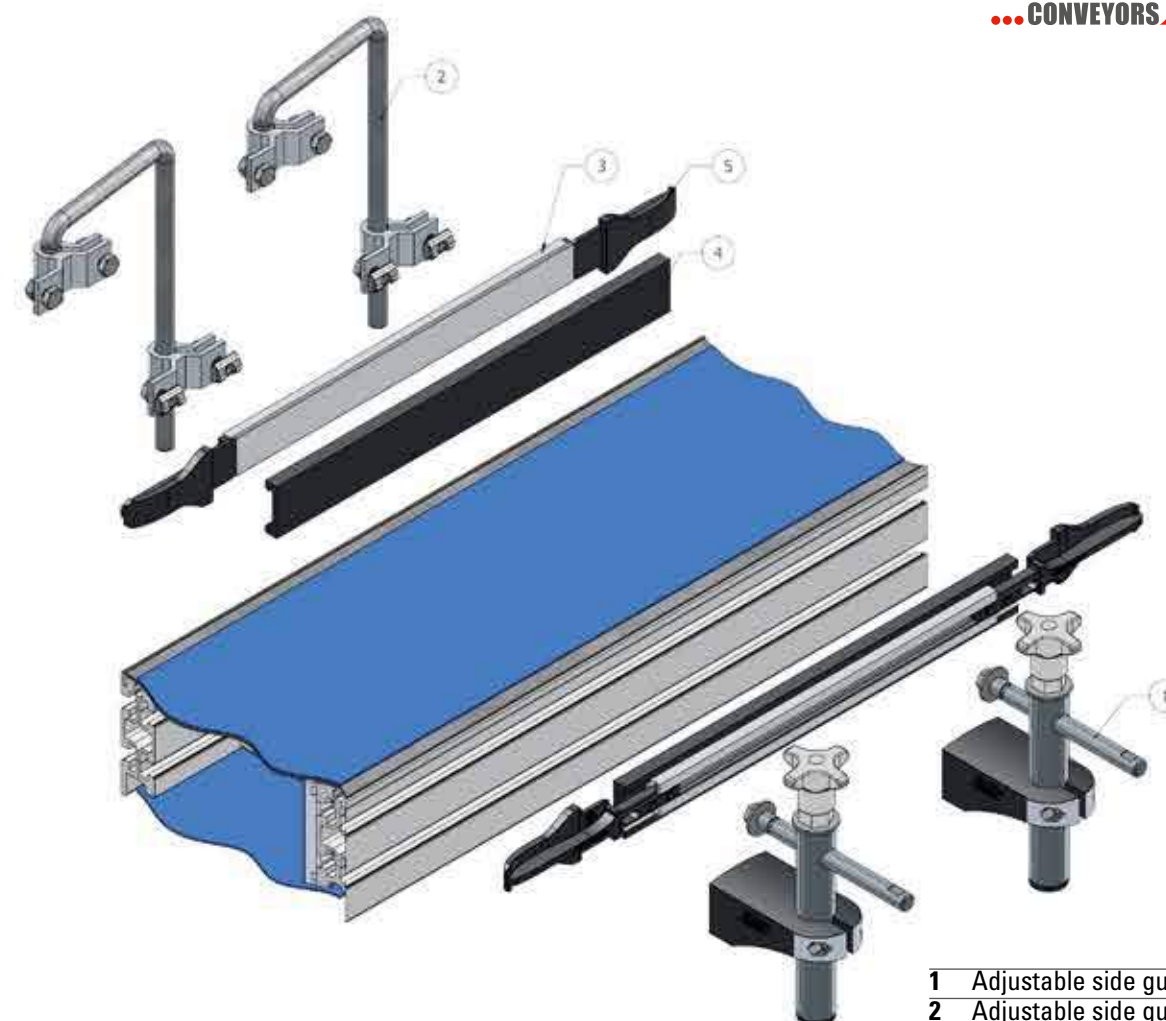
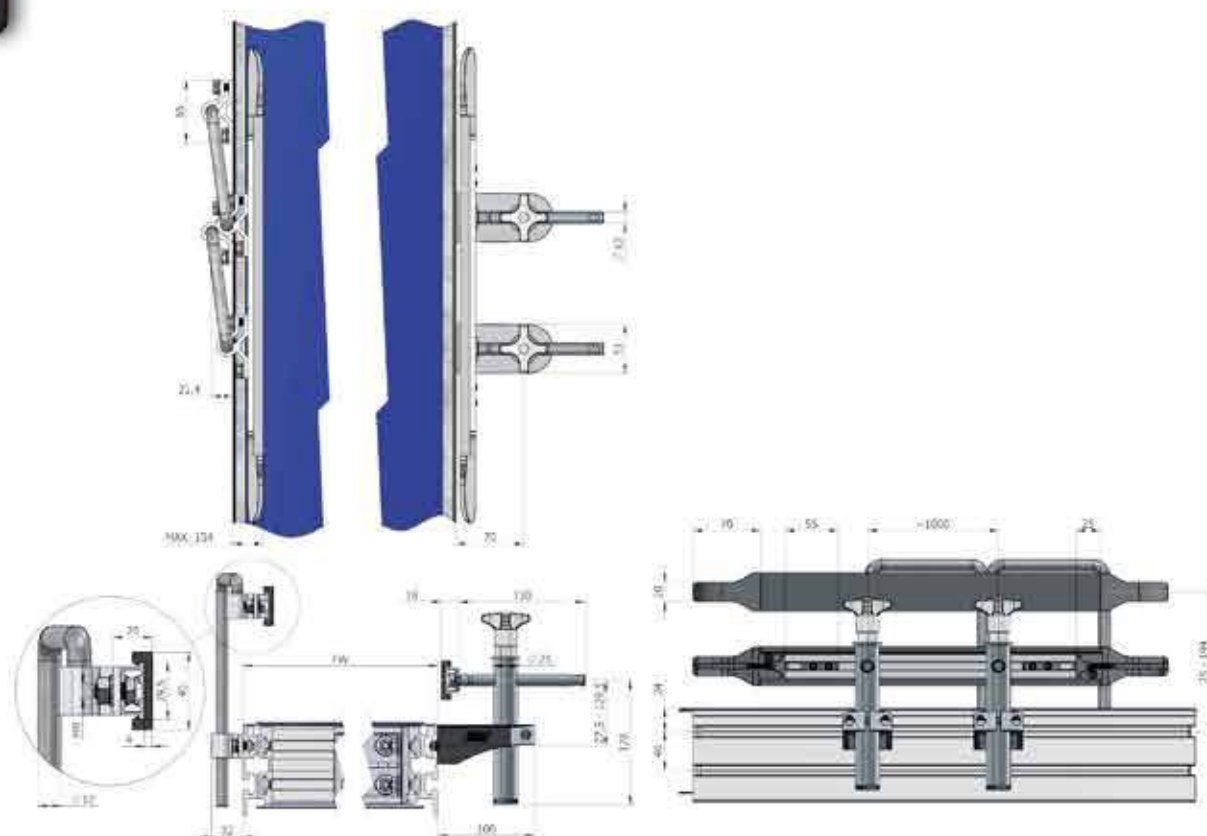
Art Nr. Pos 1		Material	
ETS040809010000	Side guiding short	PA FG	1 piece, incl. fasteners
Art Nr. Pos 2		Material	
ETS040809020000	Side guiding long	PA FG	1 piece, incl. fasteners
Art Nr. Pos 3		Material	
ETS040809000000	Side guide profile AL	AL	1 piece; L=5.6mtr
Art Nr. Pos 4		Material	
ECP040103000000	Side guiding cover	PE	1 piece; l=3mtr
Art Nr. Pos 5		Material	
ETS040809050000	Guide end 40	PA FG	1 set of pieces, incl. fasteners
Art Nr. Pos 6		Material	
ETS040906030100	Guide spacer	PA FG	10

More technical information: See engineering online www.easy-conveyors.com

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta



- | | |
|---|-----------------------|
| 1 | Adjustable side guide |
| 2 | Adjustable side guide |
| 3 | Side guide profile |
| 4 | Side guide cover |
| 5 | Guide end |

Art Nr. Pos 1	Material
ETS040809030000 Side guide	PA FG + stainless steel, PA + edelstahl  1 piece, incl. fasteners PA Acier inoxyable, PA + acevo inoxidable
Art Nr. Pos 2	Material
ERA040409010000 Side guide	AL + steel galvanised, AL + stahl verzinkt  1 piece, incl. fasteners AL + Acier galvanisé, AL + Acero galvanizado
Art Nr. Pos 3	Material
ETS040809000000 Side guiding profile	AL  1 piece; L=5.6mtr
Art Nr. Pos 4	Material
ECP040103000000 Side guide cover	PE  1 piece; l=3mtr
Art Nr. Pos 5	Material
ETS040809050000 Guide end 40	PA FG  1 set of pieces, incl. fasteners

Others on request, Andere auf Anfrage, Autres sur demande, Otros sobre consulta

Others on request, Andere auf Anfrage,
Autres sur demande, Otros sobre consulta



Technical manual for the EBS conveyor systems

This technical manual has been developed to assist you with specific engineering information when a new conveyor is designed or an existing conveyor is going to be modified. Terms like TPM (Total Productive Maintenance) and SMED (Single Minute Exchange of Dies) are getting more and more important. With the right choice of belts and components you can design your conveyors to meet these principles. A large part of our program suits these principles. With this manual we intend to create some "CONVEYOR AWARENESS". As you will notice, most attention will be given to the construction details for the belts, because this is the 'moving part' in a conveyor and therefore more critical when it comes to construction details. We also emphasize on guides as together with the belts, these are in direct contact with the customer's product and therefore of utmost importance. The right choice of type, style of the side guides can make the difference between a medium and a high production efficiency of a filling line. For additional data and information about technical details of our products please refer to the component pages.

Contact us to contact your local Technical Support check our website www.easy-conveyors.com or send an email to: support@easy-conveyors.com We cannot take responsibility for imperfections, damage or injuries due to wrong conveyor design, poor installation or improper use of our products made with or without reference to the information in this manual. We appreciate your suggestions to improve this Engineering Manual.

EBS Formula

- The length of the belt conveyor (mm)
- The width of the belt conveyor (mm)
- Wanted speed (mtr/min)
- Product weight (Kg)
- Product length (mm) (in direction of transport)
- Product temperature (°C)
- Amount of products on the conveyor (pcs)
- Product to transport (bakery, food, plastic, cardboard, glass or metal)
- Incline or Decline (Yes/No) and Angle (°) (maximum is 30°)
- Environment (wet/dry)
- Start/Stop each hour (pcs/hr)
- Frequency controller (Yes or No)
- Accumulation (Yes or No)
- Amount of products to accumulate (pcs)
- Running hours per day
- Type of loading

FACTOR C₁

Smooth Drive pulley

Dry	2.1
Wet	Not a recommendation

Drive pulley with friction layer

Dry	1.5
Wet	2.1

Table 1

	Weight	Thickness	Max. admissible	Min Temp.	Max Temp.	Knife edge
BELT	(Kg/m ²)	(mm)	Pull (N/mm)(C ₂)	(°C)	(°C)	Yes/No
1M6 U0-V5 W	1,1	1,0	6	-10	60	No
2M8 U0-V-U0	1,5	1,5	16	-10	60	No
2MT5 U0-V3 N	2,0	1,8	12	-10	60	No
2M8 U0-V5 A	2,3	2,0	16	-10	60	No
2M8 U0-V5 BL	2,3	2,0	16	-10	60	No
2M8 U0-V5 W	2,3	2,0	16	-10	60	No
2M8 U0-V5 FM N	2,3	2,1	16	-10	60	No
2M5 U0-U0 HP A	1,0	1,0	12	-30	110	Yes
2M8 U0-U2 N HC	1,6	1,6	16	-20	100	Yes
2M5 U0-U2 W A	1,5	1,3	12	-20	100	Yes
2M5 U0-U2 HP VL BL A	1,4	1,3	12	-30	110	Yes
2M5 U0-U2 HP W S A	1,4	1,3	12	-30	110	Yes
2M5 U0-U2 A	1,4	1,2	12	-20	100	Yes
SILON 25 W	1,3	2,5	10	-20	120	No
SILON 25 HC	1,6	2,5	10	-20	120	No
2T12 U0-U-S2	1,3	1,4	24	-30	100	No
2MT8 S0-S0	1,1	1,2	16	-40	160	No
2MT8 S0-S2	1,3	1,3	16	-40	160	No
2FG12 S0-S3	1,5	1,1	24	-40	250	No

Table 2

FACTOR C₂

Smooth Drive pulley

Dry	80
Wet	Not a recommendation

Drive pulley with friction layer

Dry	30
Wet	50

Table 3

FACTOR C₄ Breakaway torque

0,09 kW	2,1
0,12 kW	2.4
0,18 kW	1,8
0,25 kW	1,8
0,37 kW	1,8
0,55 kW	2,1
0,75 kW	2,2
1,1 kW	2,0

Frequency controller	1,5
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Table 4



	Pully Diameter	Arc of contact
BELT TYPE	(d _A)	(β)
40-D1	Ø45	180°
40-D2	Ø45	180°
40-I1	Ø65	195°
40-I2	Ø65	195°
40-M1	Ø65	205°
40-M2	Ø65	205°
40-M3	Ø65	205°
80-D1	Ø85	180°
80-I1	Ø85	180°
80-M1	Ø85	225°
ECDR 40	Ø81.5	190°
ECDR 80	Ø81.5	175°

Table 5

	Knife edge	FDA	Accumulation
BELT	Yes/No	Yes/No	Yes/No
1M6 U0-V5 W	No	No	No
2M8 U0-V-U0	No	Yes	Yes
2MT5 U0-V3 N	No	No	Yes
2M8 U0-V5 A	No	No	No
2M8 U0-V5 BL	No	Yes	No
2M8 U0-V5 W	No	Yes	No
2M8 U0-V5 FM N	No	No	No
2M5 U0-U0 HP A	Yes	Yes	Yes
2M8 U0-U2 N HC	Yes	No	Yes
2M5 U0-U2 W A	Yes	Yes	No
2M5 U0-U2 HP VL BL A	Yes	Yes	No
2M5 U0-U2 HP W S A	Yes	Yes	No
2M5 U0-U2 A	Yes	Yes	Yes
SILON 25 W	No	Yes	Yes
SILON 25 HC	No	No	Yes
2T12 U0-U-S2	No	Yes	No
2MT8 S0-S0	No	No	Yes
2MT8 S0-S2	No	Yes	No
2FG12 S0-S3	No	No	No

Table 6

	Product/	Belt/Top plate	Belt/Drive Pulley	Accumulation
FRICTION COEFFICIENT	Belt	(μ _T)	(μ _R)	(μ _{ST})
1M6 U0-V5 W	MF	0.2	0.3	0.33
2M8 U0-V-U0	LF	0.2	0.3	0.33
2MT5 U0-V3 N	LF	0.2	0.3	0.33
2M8 U0-V5 A	MF	0.2	0.3	0.33
2M8 U0-V5 BL	MF	0.2	0.3	0.33
2M8 U0-V5 W	MF	0.2	0.3	0.33
2M8 U0-V5 FM N	HF	0.2	0.3	0.33
2M5 U0-U0 HP A	LF	0.2	0.3	0.33
2M8 U0-U2 N HC	LF	0.2	0.3	0.33
2M5 U0-U2 W A	MF	0.2	0.3	0.33
2M5 U0-U2 HP VL BL A	MF	0.2	0.3	0.33
2M5 U0-U2 HP W S A	HF	0.2	0.3	0.33
2M5 U0-U2 A	LF	0.2	0.3	0.33
SILON 25 W	LF	0.2	0.3	0.5
SILON 25 HC	LF	0.2	0.3	0.5
2T12 U0-U-S2	HF	0.2	0.3	0.5
2MT8 S0-S0	LF	0.3	0.5	0.5
2MT8 S0-S2	HF	0.3	0.5	0.5
2FG12 S0-S3	HF	0.3	0.5	0.5

Table 7

Weight of roles (kg) (without drive pully)									
BELT TYPE	100	200	300	400	500	600	800	1000	1200
40-D1	0,48144	0,90116	1,32570	1,75024	2,17821	2,60347			
40-D2	0,11900	0,24561	0,37221	0,49882	0,62735				
40-I1	0,69347	1,21889	1,74914	2,27938	2,81305	3,34402			
40-I2	0,33103	0,56334	0,79565	1,02796	1,26219				
40-M1	2,55286	3,97618	5,40914	6,8421	8,28192	9,71632			
40-M2	1,82798	2,66508	3,50216	4,33926	5,1802				
40-M3	2,19042	3,32063	4,45565	5,59068	6,73106				
80-D1		2,15797		3,90237		5,684	7,4403	9,21423	10,9742
80-I1		2,15797		3,90237		5,684	7,4403	9,21423	10,9742
80-M1		6,4898		11,1464		15,8774	20,5578	25,27336	29,96098
ECDR 40		0,90116	1,32570	1,75024	2,17821	2,60347			
ECDR 80		2,15797		3,90237		5,684	7,4403		

Table 8

MOTOR SELECTION

EBS Straight

$$F_U = \mu_T * g * \left(\frac{m + m_B}{2} \right) + \mu_R * g * \left(\frac{m_B + m_R}{2} \right)$$

EBS Incline/Decline

$$F_U = \mu_T * g * \left(\frac{m + m_B}{2} \right) + \mu_R * g * \left(\frac{m_B + m_R}{2} \right) + g * m * \sin \alpha$$

EBS Accumulation (which is only possible with low friction belt and without incline or decline)

$$F_U = \mu_T * g * \left(\frac{m + m_B}{2} \right) + \mu_R * g * \left(\frac{m_B + m_R}{2} \right) + \mu_{ST} * g * m$$

$$F_1 = F_U * C_1$$

$$\frac{F_1}{b_0} \leq C_2$$

$$d_A = \frac{F_U * C_3 * 180^\circ}{b_0 * \beta}$$

$$M_N = \frac{F_U * (d_A / 2) + \text{Belt thickness}}{1000}$$

$$M_H = M_N * C_4$$

$$F_S = F_S^1 * F_S^2$$

$$RPM = \frac{\nu * 60}{(d_A / 2 + \text{Belt thickness}) * 2 * \pi}$$

$$P_A = \frac{P_M}{F_S} * \eta \quad \text{or} \quad P_A = \frac{F_U * \nu}{1000}$$

$$P_M = \frac{P_A}{\eta}$$

$$M_T = \frac{P_A * 9550}{RPM} * \eta$$

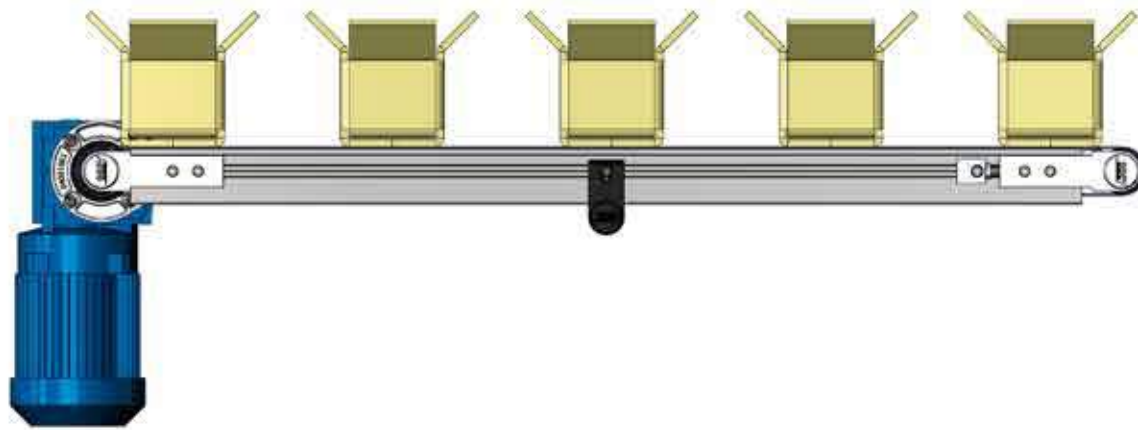
LIST OF APPLIED ABBREVIATIONS

F_1	=	Maximum Tensile force (at the drive pulley) (N)
F_S	=	Service Factor
F_U	=	Total capacitance (N)
b_0	=	Belt wide (mm)
d_A	=	Drive pulley diameter (mm)
β	=	arc of contact around the drive pulley (°)
g	=	9,81 (m/s²)
m	=	Total product mass (Kg)
M_B	=	Mass of the belt (Kg)
M_R	=	Mass of the rolls (Kg)
μ_R	=	Friction coefficient Belt/Pulley
μ_{ST}	=	Friction coefficient accumulation
μ_T	=	Friction coefficient Belt/Top plate
ν	=	Belt speed (m/s)
M_N	=	Nominal Torque (Nm)
M_H	=	Run-up Torque (Nm)
M_T	=	Motor Torque
P_A	=	Mechanical Drive Power (kW)
P_M	=	Motor Power (kW)
η	=	Efficiency
A_z	=	Amount of Accumulation
α	=	Angle for Incline or Decline (°)
R_H	=	Running hours / day
S_S	=	Start/Stops /hr
U_L	=	Uniform Load
V_L	=	Variable Load
S_L	=	Shock Load

Table 12

Example 1: Calculation EBS Straight

Conveyor system	: 40D1	Products on the system	: 20 pieces
Conveyor Length	: 5600mm	Product material	: cardboard
Conveyor width	: 200mm	Incline or Decline	: No
Belt width	: 172mm	Environment	: Dry
Belt material	: 2M8 U0-V-U0	Start/Stop	: 5/h
Wanted speed	: 20 mtr/min	Frequency controller	: Yes
Product weight	: 7 kg	Accumulation	: No
Product Length	: 200mm	Running hours per day	: 8 hr
Product Temperature	: 40°C	Type of loading	: Uniform Load



ν	= 0,33m/s	C_4	= 1,5
μ_R	= 0.3	d_A	= Ø45mm
μ_{ST}	= 0.33	m	= 140 Kg (20*7Kg)
μ_T	= 0.2	m_B	= 2,9154 Kg (11,3*0,172*1,5)
b_0	= 172mm	m_R	= 0,90116 Kg
C_1	= 2.1	β	= 180°
C_3	= 80		

EBS STRAIGHT**Total capacity**

$$F_u = \mu_T * g * (m + \frac{m_B}{2}) + \mu_R * g * (\frac{m_B}{2} + m_R)$$

$$F_u = 0,2 * 9,81 * (140 + \frac{2,9154}{2}) + 0,3 * 9,81 * (\frac{2,9154}{2} + 0,90116)$$

$$F_u = 284,5 \text{ N}$$

Maximum Tensile force:

$$F_1 = F_u * C_1$$

$$F_1 = 284,5 * 2.1$$

$$F_1 = 597,5 \text{ N}$$

Control C_2 :

$$\frac{F_1}{b_0} \leq C_2$$

$$b_0$$

$$C_2 = \frac{597,5}{180}$$

$$C_2 = 3,32 \text{ N/mm} \quad 16 \text{ N/mm for 2M8 U0-V-U0}$$

Control F_{Umax} :

$$d_A = \frac{F_{Umax} * C_3 * 180^\circ}{b_0 * \beta}$$

$$45 = \frac{F_{Umax} * 80 * 180^\circ}{180 * 180^\circ}$$

$$45 = \frac{F_{Umax} * 14.400}{32.400}$$

$$F_{Umax} = \frac{1.458.000}{14.400}$$

$$F_{Umax} = 101 \text{ N}$$

$$F_u = 284,5 \text{ N}$$

System is Overload choose another type of conveyor

! The following formulas and values are no longer needed. There are only shown as an example.

Nominal Torque

$$M_N = \frac{F_u * (d_A / 2) + \text{Belt thickness}}{1000}$$

$$M_N = \frac{284,5 * (45 / 2) + 2,1}{1000}$$

$$M_N = 7,00 \text{ Nm}$$

Run-up Torque:

$$M_H = M_N * C_4$$

$$M_H = 7,00 * 1,5$$

$$M_H = 10,50 \text{ Nm}$$

$$P_A = \frac{F_u * \nu}{1000}$$

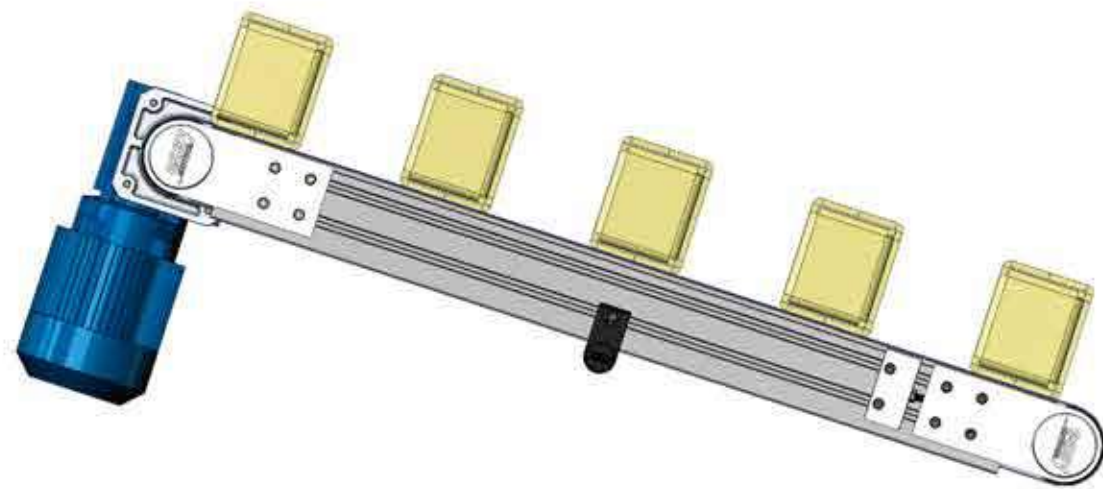
$$P_A = \frac{284,5 * 0,33}{1000}$$

$$P_A = 0.094 \text{ kW}$$

$$P_M = \frac{P_A}{\eta} \text{ [kW] chose, the next larger standard motor}$$

Example 2: Calculation EBS Incline

Conveyor system	: 80D1	Products on the system	: 5 pieces
Conveyor Length	: 5600mm	Product material	: Metal
Conveyor width	: 600mm	Incline	: 30°
Belt width	: 560mm	Environment	: Wet
Belt material	: 2M8 U0-V5 FM N	Start/Stop	: 20/h
Wanted speed	: 20 mtr/min	Frequency controller	: Yes
Product weight	: 16 kg	Accumulation	: No
Product Length	: 600mm	Running hours per day	: 16 hr
Product Temperature	: 5°C	Type of loading	: Uniform Load



v	= 0,33m/s	C_4	= 1,5
μ_R	= 0.3	d_A	= Ø85mm
μ_{ST}	= 0.33	m	= 80 Kg (8*10Kg)
μ_T	= 0.2	m_B	= 14,77 Kg (11,467*0,56*2,3)
b_0	= 580mm	m_R	= 5,684 Kg
C_1	= 2.1	β	= 180°
C_3	= 50		

EBS Incline/Decline**Total capacitance**

$$F_u = \mu_T * g * \left(\frac{m + m_B}{2} \right) + \mu_R * g * \left(\frac{m_B + m_R}{2} \right) + g * m * \sin \alpha$$

$$F_u = 0,2 * 9,81 * \left(\frac{80 + 14,77}{2} \right) + 0,3 * 9,81 * \left(\frac{14,77 + 5,684}{2} \right) + 9,81 * 80 * \sin 30^\circ$$

$$F_u = 602,3 \text{ N}$$

Maximum Tensile force:

$$F_1 = F_u * C_1$$

$$F_1 = 602,3 * 2.1$$

$$F_1 = 1264,75 \text{ N}$$

Control C_2 :

$$\frac{F_1}{b_0} \leq C_2$$

$$b_0$$

$$C_2 = \frac{1264,75}{560}$$

$$C_2 = 2,26 \text{ N/mm} \leq 16 \text{ N/mm for 2M8 U0-V-U0}$$

Control F_{Umax} :

$$d_A = \frac{F_{Umax} * C_3 * 180^\circ}{b_0 * \beta}$$

$$85 = \frac{F_{Umax} * 50 * 180^\circ}{560 * 180^\circ}$$

$$85 = \frac{F_{Umax} * 9.000}{100.800}$$

$$F_{Umax} = \frac{8.568.000}{9.000}$$

$$F_{Umax} = 952 \text{ N}$$

System is OK

$$F_u = 602,3 \text{ N}$$

Nominal Torque

$$M_N = \frac{F_u * (d_A / 2) + \text{Belt thickness}}{1000}$$

$$M_N = \frac{602,3 * (85 / 2) + 2,1}{1000}$$

$$M_N = 26,68 \text{ Nm}$$

Run-up Torque:

$$M_H = M_N * C_4$$

$$M_H = 26,68 * 1,5$$

$$M_H = 40,30 \text{ Nm}$$

$$P_A = \frac{F_u * v}{1000}$$

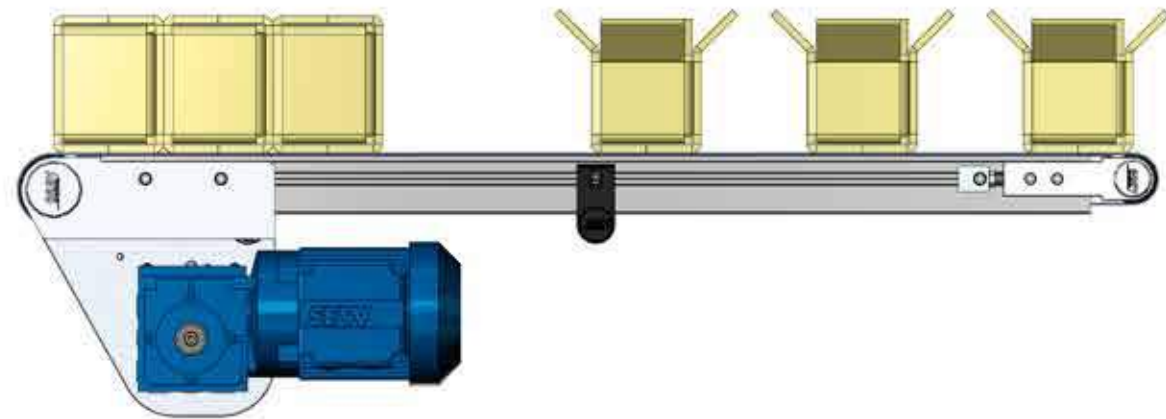
$$P_A = \frac{602,3 * 0,33}{1000}$$

$$P_A = 0.20 \text{ kW}$$

$$P_M = \frac{P_A}{\eta} \text{ [kW] chose, the next larger standard motor}$$

Example 3: Calculation EBS Accumulation

Conveyor system	: 4011	Products on the system	: 5 pieces
Conveyor Length	: 2500mm	Product material	: Bakery
Conveyor width	: 400mm	Environment	: Dry
Belt width	: 370mm	Start/Stop	: 120/hr
Belt material	: Silon 25 W	Frequency controller	: Yes
Speed	: 15 mtr/min	Accumulation	: Yes
Product weight	: 2,5 kg	Amount of products to accumulate: 3 pieces	
Product Length	: 200mm	Running hours per day	: 24 hr
Product Temperature	: 20°C	Type of loading	: Shock load



ν	= 0,25m/s	C_4	= 1,5
μ_R	= 0.3	d_A	= Ø65mm
μ_{ST}	= 0.5	m	= 12,5 Kg (5*2,5Kg)
μ_T	= 0.2	m_B	= 2,49 Kg (5,174*0,37*1,3)
b_0	= 370mm	m_R	= 2,28 Kg
C_1	= 2.1	β	= 195°
C_3	= 50		

EBS Accumulation (which is only possible with low friction belt and without incline or decline)**Total capacitance**

$$F_U = \mu_T * g * \left(\frac{m}{2} + \frac{m_B}{2} \right) + \mu_R * g * \left(\frac{m_B}{2} + \frac{m_R}{2} \right) + \mu_R * g * m$$

$$F_U = 0,2 * 9,81 * \left(\frac{12,5 + 2,497}{2} \right) + 0,3 * 9,81 * \left(\frac{2,53 + 2,28}{2} \right) + 0,5 * 9,81 * 7,5$$

$$F_U = 74,2 \text{ N}$$

Maximum Tensile force:

$$F_1 = F_U * C_1$$

$$F_1 = 74,2 * 1.5$$

$$F_1 = 111,3 \text{ N}$$

Control C_2 :

$$\frac{F_1}{b_0} \leq C_2$$

$$b_0$$

$$C_2 = \frac{111,3}{370}$$

$$C_2 = 0,30 \text{ N/mm} \leq 10 \text{ N/mm for Silon 25 W}$$

Control F_{Umax} :

$$d_A = \frac{F_{Umax} * C_3 * 180^\circ}{b_0 * \beta}$$

$$65 = \frac{F_{Umax} * 80 * 180^\circ}{370 * 195^\circ}$$

$$65 = \frac{F_{Umax} * 14.400}{72.150}$$

$$F_{Umax} = \frac{4.689.750}{14.400}$$

$$F_{Umax} = 326 \text{ N}$$

$$F_U = 111,3 \text{ N}$$

System is OK**Nominal Torque**

$$M_N = \frac{F_U * (d_A / 2) + \text{Belt thickness}}{1000}$$

$$M_N = \frac{111,3 * (65 / 2) + 2,5}{1000}$$

$$M_N = 3,9 \text{ Nm}$$

Run-up Torque:

$$M_H = M_N * C_4$$

$$M_H = 3,9 * 1,5$$

$$M_H = 5,85 \text{ Nm}$$

$$P_A = \frac{F_U * \nu}{1000}$$

$$P_A = \frac{74,2 * 0,25}{1000}$$

$$P_A = 0,02 \text{ kW}$$

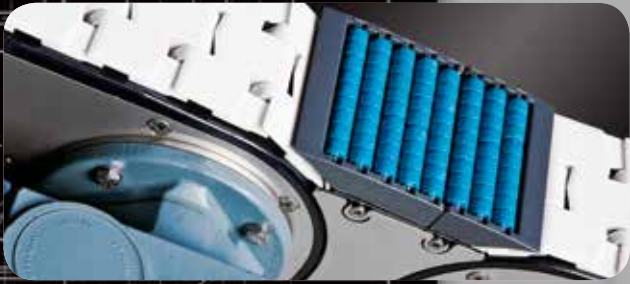
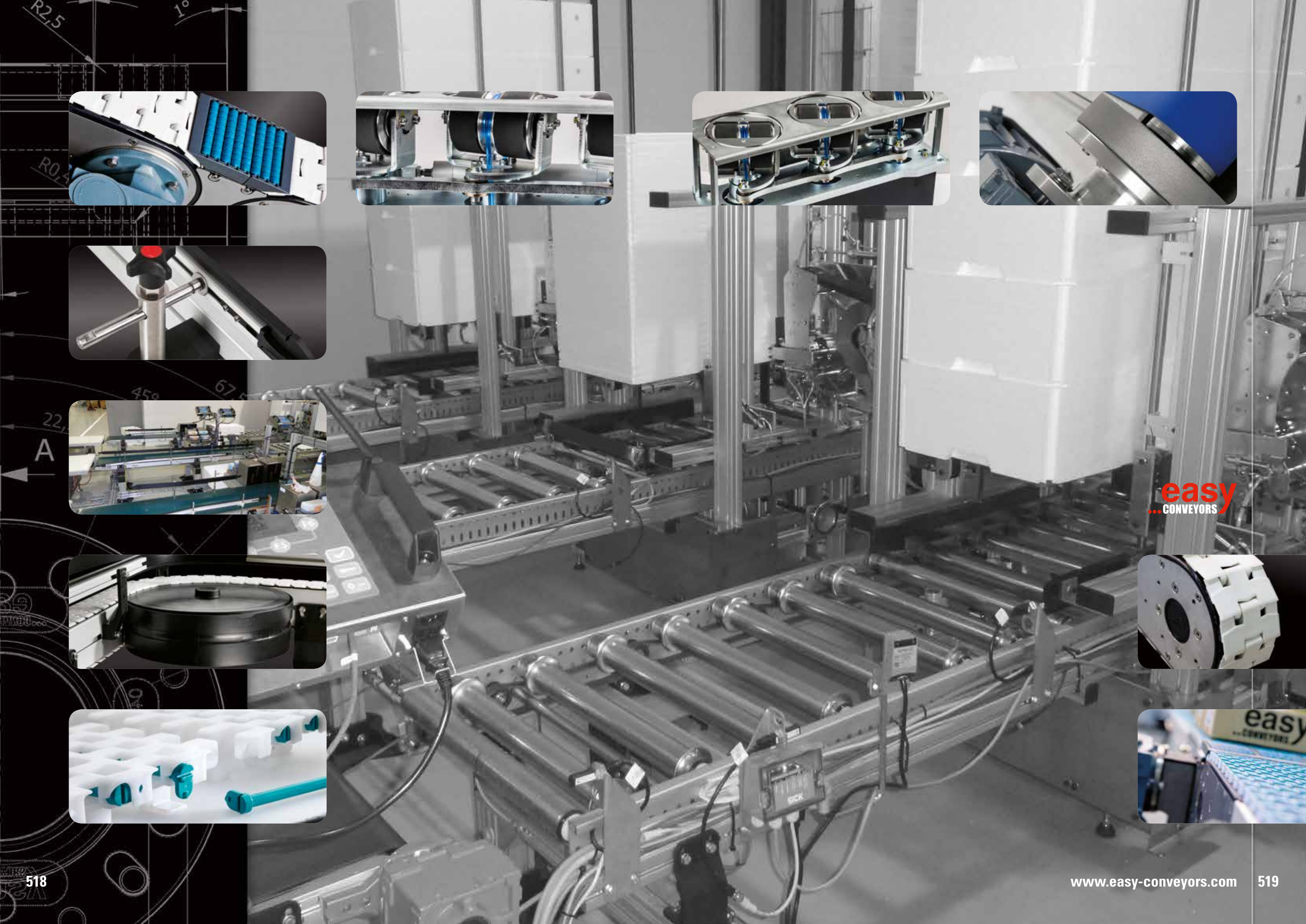
$$P_M = \frac{P_A}{\eta} \text{ [kW] chose, the next larger standard motor}$$

Conclusion

You can see above that the motor and also the conveyor system are selected because of the input. Also you can see that some values cause a certain overload situation for the system, motor or both.

There are a few options to prevent an overload.

- Lower the speed
- Lower the amount of product on the conveyor
- Less Start/Stops
- Less Accumulation
- Change type of loading
- Shorten the conveyor
- Choose another conveyor system
- Less running hours per day.
- Choose another transport system. (roller conveyor, mattop conveyor or tabletop conveyor)



easy
...CONVEYORS





METAALUNIE CONDITIONS

General Terms and Conditions issued by Koninklijke Metaalunie (the Dutch organization for small and medium-sized enterprises in the metal industry), referred to as the METAALUNIE TERMS AND CONDITIONS, filed at the Registry of the Rotterdam District Court on 1 January 2014. Issued by Koninklijke Metaalunie, P.O. Box 2600, 3430 GA Nieuwegein, the Netherlands. © Koninklijke Metaalunie

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- On the Contractor's first demand, the Client must return the data provided to it as referred to in paragraph 1 of this Article within the time limit set by the Contractor. Upon breach of this provision, the Client will owe the Contractor an immediately payable penalty of € 1,000 per day. This penalty may be claimed in addition to damages pursuant to the law.

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- The Client cannot derive any rights from advice or information it obtains from the Contractor if this does not relate to the assignment.
- If the Client provides the Contractor with data, drawings and the like, the Contractor may rely on their accuracy and completeness in the performance of the agreement.
- The Client indemnifies the Contractor from and against all liability to third parties relating to use of the advice, drawings, calculations, designs, materials, samples, models and the like provided by or on behalf of the Client.

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- The delivery period and/or performance period will be set by the Contractor on an approximate basis.
- In setting the delivery period and/or performance period, the Contractor will assume that it will be able to perform the assignment under the conditions known to it at that time.
- The delivery period and/or performance period will only commence once agreement has been reached on all commercial and technical details, all necessary data, final and approved drawings and the like are in the Contractor's possession, the agreed payment or instalment has been received and the necessary conditions for performance of the assignment have been satisfied.
- a. In the event of circumstances that differ from those that were known to the Contractor when it set the delivery period and/or performance period, it may extend the delivery period and/or perfor-

mance period by such period as it needs to perform the assignment under such circumstances. If the work cannot be incorporated into the Contractor's schedule, it will be performed as soon as the Contractor's schedule so permits.

- In the event of any contract addition, the delivery period and/or performance period will be extended by such period as the Contractor needs to (cause to) supply the materials and parts for such work and to perform the contract addition. If the contract addition cannot be incorporated into the Contractor's schedule, the work will be performed as soon as the Contractor's schedule so permits.
- If the Contractor suspends its obligations, the delivery period and/or performance period will be extended by the duration of the suspension. If the continuation of the work cannot be incorporated into the Contractor's schedule, the work will be performed as soon as the Contractor's schedule so permits.
- In the event of inclement weather, the delivery period and/or performance period will be extended by the resulting delay.

- The Client is required to pay all costs incurred by the Contractor as a result of delay affecting the delivery period and/or performance period as referred to in Article 5.4. 3
- If the delivery period and/or performance period is/are exceeded, this will in no event entitle to damages or termination.

Article 6: Transfer of risk

- Delivery will be made ex works, Contractor's place of establishment, in accordance with the Incoterms 2010. The risk attached to the good passes to the Client at the time the Contractor makes the good available to the Client.
- Notwithstanding the provisions in paragraph 1 of this article, the Client and Contractor may agree that the Contractor will arrange for transport. In that event, the risk of storage, loading, transport and unloading will be borne by the Client. The Client may insure itself against these risks.
- In the event of a purchase in which a good is exchanged (inruil) and the Client retains the good to be exchanged pending delivery of the new good, the risk attached to the good to be exchanged remains with the Client until it has placed this good in the possession of the Contractor. If the Client cannot deliver the good to be exchanged in the condition that it was in when the agreement was concluded, the Contractor may terminate the agreement.

Article 7: Price change

- The Contractor may pass on to the Client any increase in costing factors occurring after conclusion of the agreement.
- The Client will be obliged to pay the price increase as referred to in paragraph 1 of this article on any of the occasions below, such at the discretion of the Contractor:
 - upon the occurrence of the price increase;
 - at the same time as payment of the principal sum;
 - on the next agreed payment deadline.

Article 8: Force majeure

- The Contractor is entitled to suspend performance of its obligations if it is temporarily prevented from performing its contractual obligations to the Client due to force majeure.
- Force majeure is understood to mean, inter alia, the circumstance of failure by suppliers, the Contractor's subcontractors or transport companies engaged by the Contractor to perform their obligations or perform them in good time, weather conditions, earthquakes, fire, power failure, loss, theft or destruction of tools or materials, road blocks, strikes or work stoppages and import or trade restrictions.
- If the Contractor's temporary inability to perform lasts for more than six months, it will no longer be entitled to suspend performance. On expiry of this deadline, the Client and the Contractor may terminate the agreement with immediate effect, but only as regards such part of the obligations that has not yet been performed.
- In the event of force majeure where performance is or becomes permanently impossible, both parties are entitled to terminate the agreement with immediate effect as regards such part of the obligations that has not yet been performed.
- The parties will not be entitled to compensation for damage suffered or to be suffered as a result of suspension or termination as referred to in this article.

Article 9: Scope of the work

- The Client must ensure that all licences, exemptions and other administrative decisions necessary to carry out the work are obtained in good time. The Client is required upon the Contractor's first demand to send the Contractor a copy of the documents mentioned above.
- The price of the work does not include:
 - the costs of earthwork, pile driving, cutting, breacking, foundation work, cementing, carpentry, plastering, painting, wallpapering, repair work or other construction work;
 - the costs of connecting gas, water, electricity or other infrastructural facilities;
 - the costs of preventing or limiting damage to any goods present on or near the work site.
 - the costs of removal of materials, building materials or waste;
 - travel and accommodation expenses.

Article 10: Changes to the work

- Changes to the work will in any event result in contract variations work if:
 - the design, specifications or contract documents are changed;
 - the information provided by the Client is not factually accurate;
 - quantities diverge by more than 10% from the estimates.
- Contract additions will be charged on the basis of the pricing factors applicable at the time the contract addition is performed. Contract deductions will be charged on the basis of the pricing factors applicable at the time the agreement was concluded.
- The Client will be obliged to pay the price of the contract addition as referred to in paragraph 1 of this article on any of the occasions below, such at the discretion of the Contractor:
 - when the contract addition arises;
 - at the same time as payment of the principal sum;
 - on the next agreed payment deadline.
- If the sum of the contract deduction exceeds that of the contract addition, in the final settlement the Contractor may charge the Client 10% of the difference. This provision does not apply to contract deductions that result from a request by the Contractor.

Article 11: Performance of the work

- The Client will ensure that the Contractor can carry out its activities without interruption and at the agreed time and that the requisite facilities are made available to it when carrying out its activities, such as:
 - gas, water and electricity;
 - heating;
 - lockable and dry storage space;
 - facilities required pursuant to the Working Conditions Act and Working Conditions Regulations.
- The Client bears the risk of and is liable for any damage connected with loss, theft, burning and damage to goods belonging to the Contractor, the Client and third parties, such as tools, materials intended for the work or material used in the work, that are located on the work site or at another agreed location.
- The Client is obliged to adequately insure itself against the risks referred to in paragraph 2 of this article. In addition, the Client must procure insurance of work-related damage as regards the material to be used. Upon the Contractor first demand, the Client must send it a copy of the relevant insurance policy/policies and proof of payment of the premium. In the event of any damage, the Client is required to report this to its insurer without delay for further processing and settlement.

- If the Client fails to perform its obligations as described in the previous paragraphs and this results in delayed performance of the activities, the activities will be carried out as soon as the Client performs its obligations as yet and the Contractor's schedule so permits. The Client is liable for all damage suffered by the Contractor as a result of the delay.

Article 12: Completion of the work

- The work is deemed to be completed in the following events:
 - when the Client has approved the work;
 - when the work is been taken into commission by the Client. If the Client takes part of the work into commission, that part will be deemed to be completed;
 - if the Contractor notifies the Client in writing that the work has been completed and the Client does not inform it in writing as to whether or not the work is approved within 14 days of such notification having been made;

- if the Client does not approve the work due to minor defects or missing parts that can be rectified or subsequently delivered within 30 days and that do not prevent the work from being taken into commission.
- If the Client does not approve the work, it is required to inform the Contractor of this in writing, stating reasons. The Client must provide the Contractor with the opportunity to complete the work as yet.
 - The Client indemnifies the Contractor from and against any claims by third parties for damage to non-completed parts of the work caused by use of parts of the work that have already been completed.

Article 13: Liability

- In the event of an attributable failure, the Contractor is obliged to perform its contractual obligations as yet.
- The Contractor's obligation to pay damages, irrespective of the legal basis, is limited to damage for which the Contractor is insured under an insurance policy taken out by it or on its behalf, but will never exceed the amount paid out under this insurance in the relevant case.
- If, for any reason whatsoever, the Contractor cannot invoke the limitation in paragraph 2 of this article, the obligation to pay damages will be limited to a maximum of 15% of the total assignment amount (excluding VAT). If the agreement comprises parts or partial deliveries, the obligation to pay damages is limited to a maximum of 15% (excluding VAT) of the assignment amount of that part or that partial delivery.
- The following does not qualify for compensation:
 - consequential loss, including business interruption loss, production loss, loss of profit, transport costs and travel and accommodation expenses. The Client may insure itself against this damage if possible;
 - damage to goods in or under its care, custody or control. Such damage includes damage caused as a result of or during the performance of the work to goods on which work is being performed or to goods situated in the vicinity of the work site. The Client may insure itself against such damage if it so desires;
 - damage caused by the intent or wilful recklessness of agents or non-management employees of the Contractor.
- The Contractor is not liable for damage to material provided by or on behalf of the Client where that damage is the result of improper processing.
- The Client indemnifies the Contractor from and against all claims by third parties on account of product liability as a result of a defect in a product supplied by the Client to a third party and that consisted, entirely or partially, of products and/or materials supplied by the Contractor. The Client is obliged to compensate all damage suffered by the Contractor in this respect, including the full costs of defence.

Article 14: Warranty and other claims

- Unless otherwise agreed in writing, the Contractor warrants the proper execution of the agreed performance for a period of six months after delivery/completion. In the event that a different warranty period is agreed, the other paragraphs of this article are also applicable.
- If the agreed performance was not properly executed, the Contractor will decide whether to properly execute it as yet or to credit the Client for a proportionate part of the invoice amount. If the Contractor chooses to properly execute the performance as yet, it will determine the manner and time of execution itself. If the agreed performance consisted (entirely or partially) of the processing of material provided by the Client, the Client must provide new material at its own risk and expense.
- Parts or materials that are repaired or replaced by the Contractor must be sent to the Contractor by the Client.
- The Client bears the expense of:
 - all costs of transport or dispatch;
 - costs of disassembly and assembly;
 - travel and accommodation expenses.
- The Client must in all cases offer the Contractor the opportunity to remedy any defect or to perform the processing again.
- The Client may only invoke the warranty once it has satisfied all its obligations to the Contractor.
- a. No warranty is given if the defects result from:
 - normal wear and tear;
 - improper use;
 - lack of maintenance or improper maintenance;
 - installation, fitting, modification or repair by the Client or third parties;

- defects in or unsuitability of goods originating from, or prescribed by, the Client;
 - defects in or unsuitability of materials or auxiliary materials used by the Client.
- No warranty is given in respect of:
 - goods supplied that were not new at the time of delivery;
 - the inspection and repair of goods of the Client;
 - parts for which a manufacturer's warranty has been provided.

- The provisions of paragraphs 2 to 7 of this article apply mutatis mutandis to any claims by the Client based on breach of contract, non-conformity or on any other basis whatsoever.

- The Client cannot assign any rights under this article.

Article 15: Obligation to complain

- The Client can no longer invoke a defect in performance if it does not make a written complaint to the Contractor in respect thereof within fourteen days of the date it discovered, or should reasonably have discovered, the defect.
- On pain of forfeiture of all rights, the Client must submit complaints regarding the amount invoiced to the Contractor in writing within the payment deadline. If the payment deadline is longer than thirty days, the Client must complain no later than thirty days after the date of the invoice.

Article 16: Failure to take delivery of goods

- Upon expiry of the delivery period and/or performance period, the Client is obliged to take delivery of the good or goods forming the subject of the agreement.
- The Client must lend all cooperation that can be reasonably expected from it to enable the Contractor to make the delivery.
- If the Client does not take delivery of goods, such goods will be stored at the risk and expense of the Client.
- Upon breach of the provisions in paragraphs 1 and/or 2 of this article, the Client will owe the Contractor a penalty of € 250 per day, to a maximum of € 25,000. This penalty may be claimed in addition to damages pursuant to the law.

Article 17: Payment

- Payment will be made at the Contractor's place of establishment or to an account to be designated by the Contractor.
- Unless agreed otherwise, payment will be made as follows:
 - in cash where sale is at the service desk;
 - in the case of payments in instalments:
 - 40% of the total price upon assignment;
 - 50% of the total price after supply of the material or, if delivery of the material is not included in the assignment, after commencement of the work;
 - 10% of the total price upon completion;
 - in all other cases, within thirty days of the date of the invoice.
- If the Client fails to comply with its payment obligation, instead of paying the sum of money agreed it will be obliged to comply with a request by the Contractor for payment in kind (inbetalinggeving).
- The right of the Client to set off or suspend amounts it is owed by the Contractor, save in the event of the Contractor's bankruptcy or if statutory debt rescheduling applies to the Contractor.
- Irrespective of whether the Contractor has fully executed the agreed performance, everything that is or will be owed to it by the Client under the agreement is immediately due and payable if:
 - a deadline for payment has been exceeded;
 - an application has been made for the Client's bankruptcy or suspension of payments;
 - attachment is levied on the Client's goods or claims;
 - the Client (a company) is dissolved or wound up.
 - the Client (a natural person) requests to be admitted to statutory debt rescheduling, is placed under guardianship or dies.
- If payment is not made within the agreed payment deadline, the Client will immediately owe interest to the Contractor. The interest rate is 12% per annum, but is equal to the statutory interest rate if the latter rate is higher. When calculating interest, part of a month is regarded as a whole month.
- The Contractor is authorised to set off its debts to the Client with amounts owed by the Client to companies affiliated with the Contractor. In addition, the Contractor is authorised to set off amounts owed to it by the

Client with debts to the Client of companies affiliated with the Contractor. Further, the Contractor is authorised to set off its debts to the Client with amounts owed to the Contractor by companies affiliated with the Client. Affiliated companies are understood to mean the companies belonging to the same group, within the meaning of Article 2:24b Dutch Civil Code, and participating interests within the meaning of Article 2:24c Dutch Civil Code.

- If payment is not made within the agreed payment deadline, the Client will owe the Contractor all extrajudicial costs, with a minimum of € 75. These costs will be calculated on the basis of the following table (principal sum plus interest):

on the first € 3,000	15%
on any additional amount up to € 6,000	10%
on any additional amount up to € 15,000	8%
on any additional amount up to € 60,000	5%
on any additional amount from € 60,000	3%

The extrajudicial costs actually incurred will be owed if these are higher than they would be according to the above calculation.

- If judgment is rendered in favour of the Contractor in legal proceedings, all costs that it has incurred in relation to these proceedings will be borne by the Client.

Article 18: Security

- Irrespective of the agreed payment conditions, upon the first demand of the Contractor the Client is obliged to provide such security for payment as the Contractor deems sufficient. If the Client does not comply with such demand within the period set, it will immediately be in default. In that event, the Contractor is entitled to terminate the agreement and to recover its damage from the Client.
- The Contractor will retain ownership of any goods delivered as long as the Client:
 - fails or will fail in the performance of its obligations under this agreement or other agreements;
 - has not paid debts that have arisen due to non-performance of the aforementioned agreements, such as damage, penalties, interest and costs.
- As long as the goods delivered are subject to retention of title, the Client may not encumber or alienate the same other than in the ordinary course of its business.
- Once the Contractor has invoked its retention of title, it may take possession of the goods delivered. The Client will lend its full cooperation to this end.
- The Contractor has a right of pledge and a right of retention in respect of all goods that are or will be held by it for any reason whatsoever and for all claims it has or might acquire against the Client in respect of anyone seeking their surrender.
- If, after the goods have been delivered to the Client by the Contractor in accordance with the agreement, the Client has met its obligations, the retention of title will be revived with regard to such goods if the Client does not meet its obligations under any agreement subsequently concluded.

Article 19: Termination of the Agreement

If the Client wishes to terminate the agreement without the Contractor being in default, and the Contractor agrees to this, the agreement will be terminated by mutual consent. In that case, the Contractor is entitled to compensation for all financial loss, such as loss suffered, loss of profit and costs incurred.

Article 20: Applicable law and competent court

- Dutch law applies.
- The Vienna Sales Convention (C.I.S.G.) does not apply, nor do any other international regulations the exclusion of which is permitted.
- Disputes will be heard exclusively by the Dutch civil court with jurisdiction over the Contractor's place of establishment, unless this is contrary to mandatory law. The Contractor may deviate from this rule of jurisdiction and apply the statutory rules of jurisdiction.

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easy
CONVEYORS

EASY CONVEYORS

EUROPE

Dragonder 19
5554 GM Valkenswaard
The Netherlands
Phone: +31 (0)40 - 283 8319
Telefax: +31 (0)40 - 283 5999

UK

Phone: +44 - 7775 - 908 030

NORTH-AMERICA

Phone: +1 - 519 - 495 6006

E-mail: info@easy-conveyors.com
www.easy-conveyors.com

STC. Ø 83 (varvel)

STC. Ø 80 (nord)

STC. Ø 75 (motovario)

STC. Ø 70 (SEW WA70)