



ECCO

 **HOFMEISTER
& MEINCKE**



COMPLETE CATALOG

Stanchions, bolsters, accessories, ...

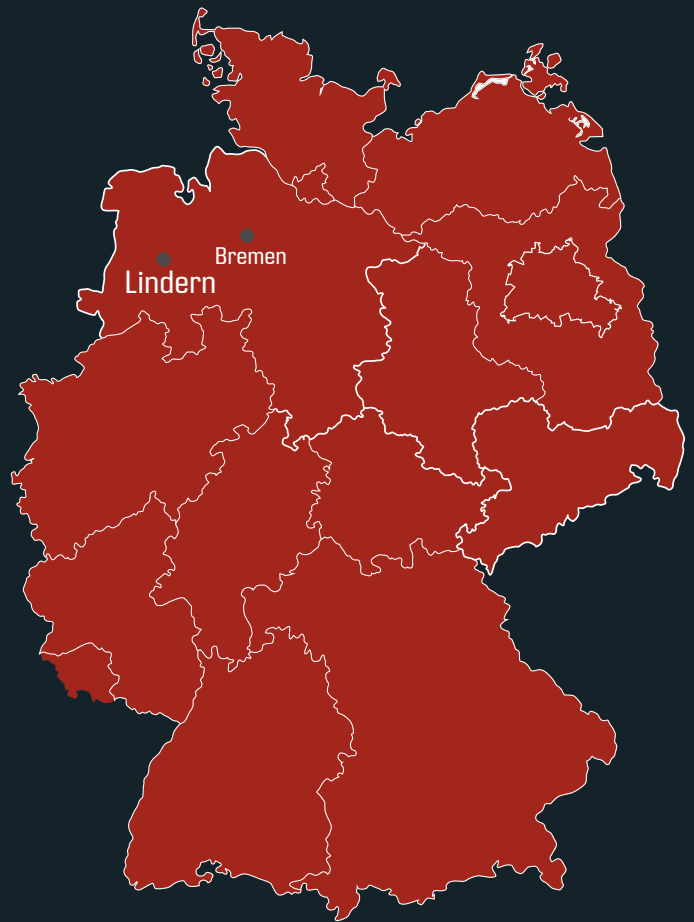


Custom Vehicle Components – Our Strength!

As a strong partner in and for vehicle construction and load securing, we would like to introduce our company and our proven as well as newly developed range of products.

At our company, you can expect expert advice, top quality, precision workmanship, and tailor-made solutions according to your individual requirements.

Only materials of the highest quality are used, ensuring long service life even under extreme stress and load conditions.



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WHY ECCO?

Safe Timber Transport

Increase payload capacity instantly with our durable light-weight components – and maximize safety in timber transportation.

Outstanding Value for Money

High-quality, precision-engineered components at a competitive and fair price.

Flexible & Reliable

As a trusted partner for vehicle manufacturers, end users, and haulage companies in the timber sector, we tailor our solutions to your specific requirements – delivering reliably and on time.

Custom Transport Solutions

Our vehicle components are available in various designs and can be modularly combined to meet your individual needs.



www.ecco-europe.de



ECCO Alu 5/7/9/11

Lightweight, stable, safe & certified

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ECCO Alu 5/7/9/11

Lightweight, stable, safe & certified

The material is lightweight, strong, and durable – perfectly suited for load securing without significantly reducing payload capacity due to the weight of the bolsters and stanchions.

Benefits ECCO Alu series:

- Manufactured entirely from aluminium, with stanchions coated in anodised finish
- Especially robust due to production using a special pressing process
- Length of fixed stanchions customised according to customer requirements
- Optional at extra cost: fixed stanchions available in a conical design
- Mounting on vehicle frame using appropriate fastening components
- Optional at extra cost: KTL powder coating in any RAL colour
- Our products are subject to continuous and strict quality control.
- ECCO aluminium products are tested and certified for timber transport.

Versions:

Weight = bolster + fixed stanchion + fixed mounting

ECCO Alu 5:

Loading capacity of 5 tons – Weight: approx. 84 kg.

ECCO Alu 7:

Loading capacity of 7 tons – Weight: approx. 98 kg.

ECCO Alu 9:

Loading capacity of 9 tons – Weight: approx. 107 kg.

ECCO Alu 11:

Loading capacity of 11 tons – Weight: approx. 124 kg.

Product details:

A set consists of a solid aluminium bolster, two anodised aluminium stanchions, and the corresponding mounting equipment (fixed, resistance, and quick-release mounting).

The bolster is approved as a certified load-securing system and is equipped with pre-drilled holes for load-securing components (lashing hooks, lashing combinations, and lashing eyes).

The stanchions are available as telescopic or fixed-length versions and offer load capacities of 5, 7, 9, or 11 tonnes per pair of stanchions.

The loading height of the fixed-length stanchions is manufactured according to customer specifications from 2,200 to 2,800 mm and is optionally available in a conical design (inside or outside) for an additional charge.

For telescopic stanchions, the retracted loading height is approx. 2,200 mm and can be continuously adjusted up to a loading height of approx. 3,000 mm.

	
Bolster dimensions:	Weight:
○ ECCO Alu 5, length approx. 2,550 mm; height approx. 160 mm	32 kg
○ ECCO Alu 7, length approx. 2,550 mm; height approx. 170 mm	40 kg
○ ECCO Alu 9, length approx. 2,550 mm; height approx. 170 mm	44 kg
○ ECCO Alu 11, length approx. 2,550 mm; height approx. 170 mm	46 kg

ECCO MOUNTINGS



○ Fixed mounting

For permanent installation of the bolsters on the vehicle frame.



○ Resistance mounting

Self-locking by spring force, but can be repositioned on the vehicle using the loading crane. Releasing the fastening is not necessary.



○ Quick-release mounting

By releasing the clamping lever, the bolster can be easily moved on the vehicle.

ECCO Alu 5, 7, 9, 11

Lightweight, stable, safe & certified



On request, telescopic stanchions, fixed-length stanchions, or conical stanchions can be supplied.

Telescopic stanchions

Alu 5: weight approx. 20 kg
Alu 7: weight approx. 23 kg
Alu 9: weight approx. 26 kg
Alu 11: weight approx. 31 kg

Stanchion length:

2,200 mm to 3,000 mm, continuously adjustable.

Fixed-length stanchions

Alu 5: weight approx. 17 kg
Alu 7: weight approx. 21 kg
Alu 9: weight approx. 24 kg
Alu 11: weight approx. 28 kg

Stanchion length:

2,200 mm to 2,800 mm, according to customer requirements.
Weight depends on length.

Fixed-length stanchions in conical design

Alu 5: Weight approx. 17 kg
Alu 7: Weight approx. 21 kg
Alu 9: Weight approx. 24 kg
Alu 11: Weight approx. 27 kg

Stanchion length:

2,200 mm to 2,800 mm, according to customer requirements.
Weight depends on length.

Conical inside



Conical outside



Conical available with outer taper (standard) and optionally also with inner taper.

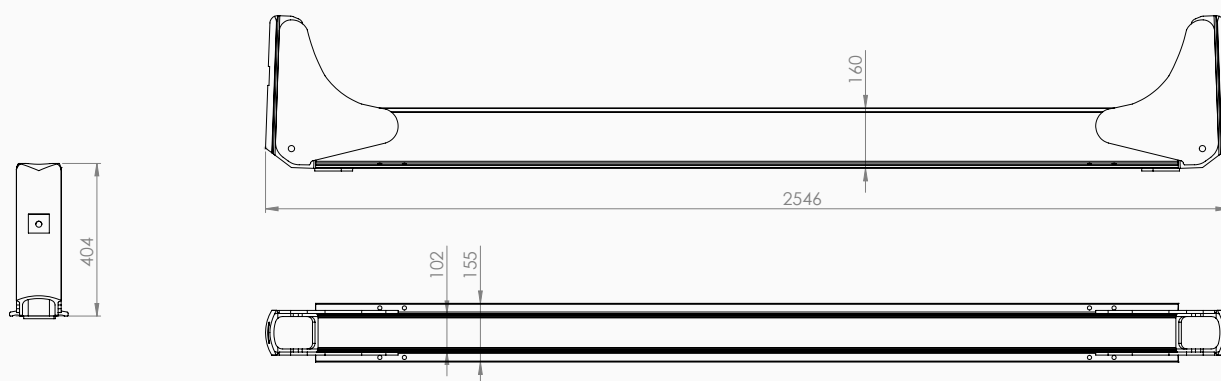


All stanchions are anodised as standard, but can also be coated in any RAL colour on request.

RAL colours for the lettering according to customer specification.

Bolster

EA-1013



Telescopic stanchion

EA-1014



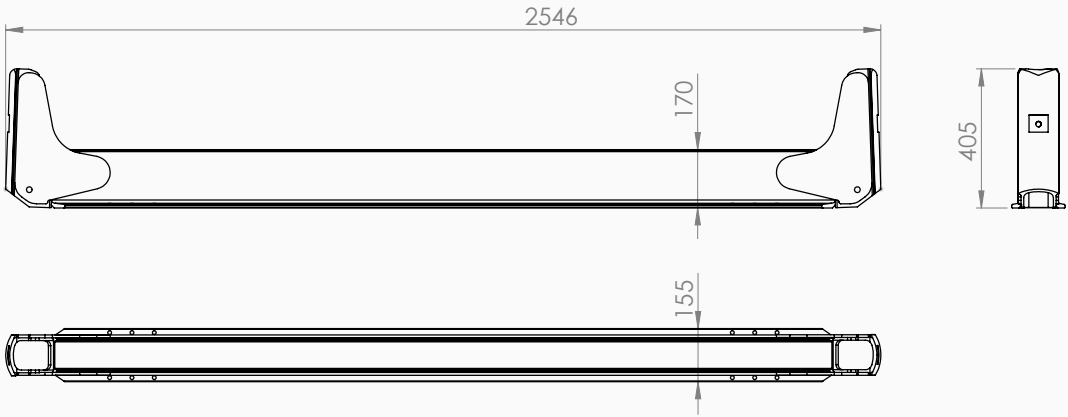
Fixed-length stanchion

EA-1024



Bolster

EA-1017



Telescopic stanchion

EA-1018



Fixed-length stanchion

EA-1026



Bolster

EA-1019

Technical drawing of a Bolster (EA-1019). The side view shows a long, thin profile with a total length of 2546 mm and a height of 170 mm. The top view shows a rectangular profile with a width of 102 mm and a depth of 155 mm.

Telescopic stanchion

EA-1021

Technical drawing of a Telescopic stanchion (EA-1021). The side view shows a long, thin profile with a total length of 2380 + 800 mm and a height of 115 mm. The top view shows a rectangular profile with a width of 85 mm.

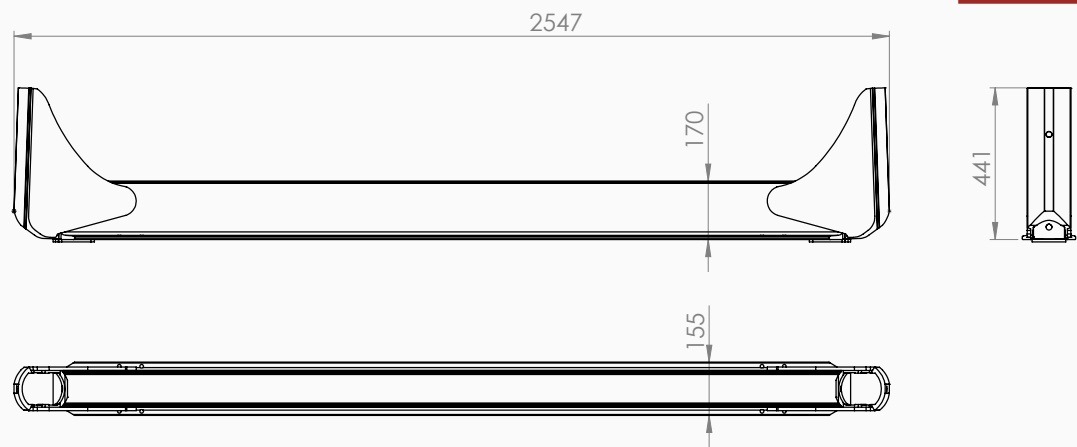
Fixed-length stanchion

EA-1027

Technical drawing of a Fixed-length stanchion (EA-1027). The side view shows a long, thin profile with a total length of Nach Vorgabe (as specified) and a height of 115 mm. The top view shows a rectangular profile with a width of 85 mm.

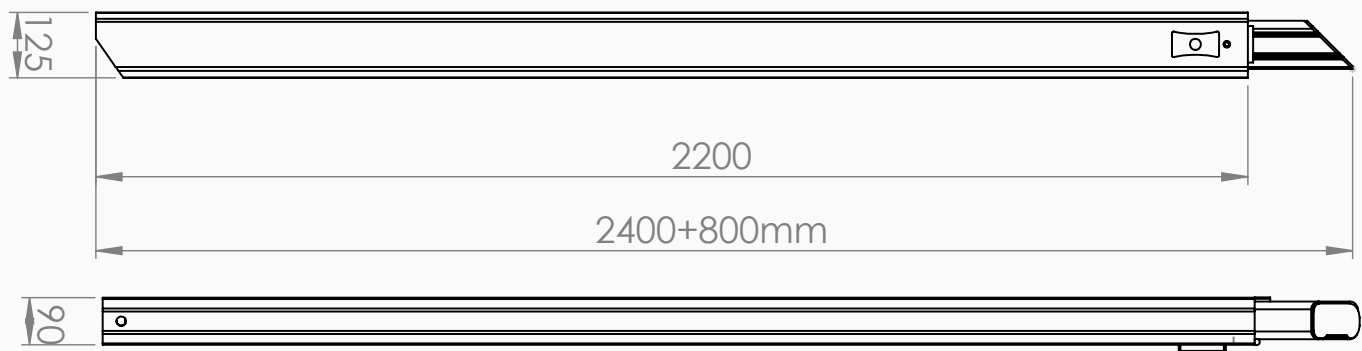
Bolster

EA-1900



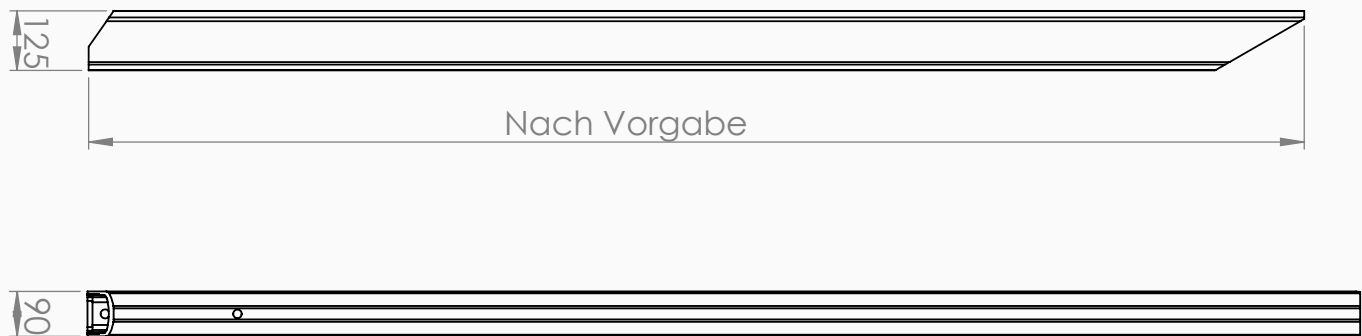
Telescopic stanchion

EA-1360



Fixed-length stanchion

EA-1370



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Bolster



Version	Description	Dimension (W x H) (mm)	Coating	Typ	Article-nr.	Weight (kg)
ALU 5	Bolster for 2,0 Degrees Stanchion inclination	2550 x 160	Raw	EA-1013	76847432	32
ALU 5	Bolster for 2,0 Degrees Stanchion inclination	2550 x 160	RAL	EA-1013L	76773787	32
ALU 7	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	Raw	EA-1017	76786175	40
ALU 7	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	RAL	EA-1017L	76855440	40
ALU 9	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	Raw	EA-1019	76833785	44
ALU 9	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	RAL	EA-1019L	76849527	44
ALU 11	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	Raw	EA-1900	76865897	46
ALU 11	Bolster for 2,0 Degrees Stanchion inclination	2550 x 170	RAL	EA-1900L	76853653	46

Please specify the RAL color when placing the order.

Stanchions

Version	Description	Loading height (mm)	Type	Typ	Article-nr.	Weight (kg)
ALU 5	Fixed-length stanchion	2200 – 2800	standard	EA-1024	76835875	17
ALU 5	Fixed-length stanchion	2200 – 2800	conical	EA-1024K	76854405	16
ALU 5	Telescopic stanchion, Loading height adjustable	2200 – 3000	standard	EA-1014	76789572	20
ALU 7	Fixed-length stanchion	2200 – 2800	standard	EA-1026	76789657	21
ALU 7	Fixed-length stanchion	2200 – 2800	conical	EA-1026K	76864218	20
ALU 7	Telescopic stanchion, Loading height adjustable	2200 – 3000	standard	EA-1018	76853111	23
ALU 9	Fixed-length stanchion	2200 – 2800	standard	EA-1027	76864299	24
ALU 9	Fixed-length stanchion	2200 – 2800	conical	EA-1027K	76864216	23
ALU 9	Telescopic stanchion, Loading height adjustable	2200 – 3000	standard	EA-1021	76794887	26
ALU 11	Fixed-length stanchion	2200 – 2800	standard	EA-1370	76761385	28
ALU 11	Fixed-length stanchion	2200 – 2800	conical	EA-1370K	76805355	27
ALU 11	Telescopic stanchion, Loading height adjustable	2200 – 3000	standard	EA-1360	76864297	31

Please specify the loading height when ordering.



Mountings



Version	Description	Coating	Typ	Article-nr.	Weight (kg)
ALU 5	Plastic plate	RAL 9006 	EB-2500	76864010	8
ALU 5	Fixed mounting with Plastic plate	RAL 9006 	EB-2100	76866297	10,5
ALU 7/9/11	Fixed mounting ohne Plastic plate	RAL 9006 	EB-2550	76840355	8
ALU 7/9/11	Fixed mounting with Plastic plate	RAL 9006 	EB-2200	76806226	10,5
ALU 5/7/9/11	Resistance mounting	RAL 9006 	EB-2300	76812491	12
ALU 5/7/9/11	Quick-release mounting	RAL 9006 	EB-2400	76866095	14

Accessories

Description	Typ	Article-nr.	Weight (kg)
Telescopic section for ECCO Alu stanchion	EA-0010	76857818	–
telescopic key for ECCO Telescopic stanchion	EA-0020	76850270	–
screw kit for ECCO Alu stanchion	EA-0030	76806230	–
Mountig key for Alu stanchion mounting	EA-0040	76864298	–
Adapter plate for Telescopic stanchion	EA-1034	74835798	0,3
Grub screw for adapter plate	EA-1341	74842422	0,2
Plastic plate for Alu mounting	EB-2004	76834363	–



Mounting key



Complete set: **ECCO** ALU 5

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster – 2x Fixed-length stanchion – 2x Fixed mounting	1x EA-1013 2x EA-1024 2x EB-2500	EA-1410	76827152	84
1x Bolster – 2x Fixed-length stanchion – 2x Resistance mounting	1x EA-1013 2x EA-1024 2x EB-2300	EA-1420	76832266	88
1x Bolster – 2x Fixed-length stanchion – 2x Quick-release mounting	1x EA-1013 2x EA-1024 2x EB-2400	EA-1430	76803686	87
1x Bolster – 2x Fixed-length stanchion conical – 2x Fixed mounting	1x EA-1013 2x EA-1024K 2x EB-2500	EA-1410K	76828686	84
1x Bolster – 2x Fixed-length stanchion conical – 2x Resistance mounting	1x EA-1013 2x EA-1024K 2x EB-2300	EA-1420K	76855640	88
1x Bolster – 2x Fixed-length stanchion conical – 2x Quick-release mounting	1x EA-1013 2x EA-1024K 2x EB-2400	EA-1430K	76764790	87
1x Bolster – 2x Telescopic stanchion – 2x Fixed mounting	1x EA-1013 2x EA-1014 2x EB-2500	EA-1110	76865902	90
1x Bolster – 2x Telescopic stanchion – 2x Resistance mounting	1x EA-1013 2x EA-1024 2x EB-2300	EA-1120	76802878	94
1x Bolster – 2x Telescopic stanchion – 2x Quick-release mounting	1x EA-1013 2x EA-1024 2x EB-2400	EA-1130	76856541	93

Complete set: **ECCO** ALU 7

Description	Set-Typ:	Typ	Article-nr.	Weight (kg)
1x Bolster – 2x Fixed-length stanchion – 2x Fixed mounting	1x EA-1019 2x EA-1027 2x EB-2550	EA-1510	76789841	98
1x Bolster – 2x Fixed-length stanchion – 2x Resistance mounting	1x EA-1019 2x EA-1027 2x EB-2300	EA-1520	76856535	102
1x Bolster – 2x Fixed-length stanchion – 2x Quick-release mounting	1x EA-1019 2x EA-1027 2x EB-2400	EA-1530	76791836	101
1x Bolster – 2x Fixed-length stanchion conical – 2x Fixed mounting	1x EA-1019 2x EA-1027K 2x EB-2550	EA-1510K	76848267	98
1x Bolster – 2x Fixed-length stanchion conical – 2x Resistance mounting	1x EA-1019 2x EA-1027K 2x EB-2300	EA-1520K	76866224	102
1x Bolster – 2x Fixed-length stanchion conical – 2x Quick-release mounting	1x EA-1019 2x EA-1021 2x EB-2400	EA-1530K	76855452	101
1x Bolster – 2x Telescopic stanchion – 2x Fixed mounting	1x EA-1019 2x EA-1021 2x EB-2550	EA-1210	76856540	104
1x Bolster – 2x Telescopic stanchion – 2x Resistance mounting	1x EA-1019 2x EA-1021 2x EB-2300	EA-1220	76856532	108
1x Bolster – 2x Telescopic stanchion – 2x Quick-release mounting	1x EA-1019 2x EA-1021 2x EB-2400	EA-1230	76848835	107

Complete set: **ECCO** ALU 9

Description	Set-Typ:	Typ	Article-nr.	Weight (kg)
1x Bolster – 2x Fixed-length stanchion – 2x Fixed mounting	1x EA-1019 2x EA-1027 2x EB-2550	EA-1610	76851260	107
1x Bolster – 2x Fixed-length stanchion – 2x Resistance mounting	1x EA-1019 2x EA-1027 2x EB-2300	EA-1620	76802882	112
1x Bolster – 2x Fixed-length stanchion – 2x Quick-release mounting	1x EA-1019 2x EA-1027 2x EB-2400	EA-1630	76822929	111
1x Bolster – 2x Fixed-length stanchion conical – 2x Fixed mounting	1x EA-1019 2x EA-1027K 2x EB-2550	EA-1610K	76844687	107
1x Bolster – 2x Fixed-length stanchion conical – 2x Resistance mounting	1x EA-1019 2x EA-1027K 2x EB-2300	EA-1620K	76851350	112
1x Bolster – 2x Fixed-length stanchion conical – 2x Quick-release mounting	1x EA-1019 2x EA-1021 2x EB-2400	EA-1630K	76855453	111
1x Bolster – 2x Telescopic stanchion – 2x Fixed mounting	1x EA-1019 2x EA-1021 2x EB-2550	EA-1310	76855510	113
1x Bolster – 2x Telescopic stanchion – 2x Resistance mounting	1x EA-1019 2x EA-1021 2x EB-2300	EA-1320	76849043	117
1x Bolster – 2x Telescopic stanchion – 2x Quick-release mounting	1x EA-1019 2x EA-1021 2x EB-2400	EA-1330	76865803	116

Complete set: **ECCO** ALU 11

Description	Set-Typ:	Typ	Article-nr.	Weight (kg)
1x Bolster – 2x Fixed-length stanchion – 2x Fixed mounting	1x EA-1900 2x EA-1370 2x EB-2550	EA-1810	76773280	124
1x Bolster – 2x Fixed-length stanchion – 2x Resistance mounting	1x EA-1900 2x EA-1370 2x EB-2300	EA-1820	76798177	128
1x Bolster – 2x Fixed-length stanchion – 2x Quick-release mounting	1x EA-1900 2x EA-1370 2x EB-2400	EA-1830	76798260	127
1x Bolster – 2x Fixed-length stanchion conical – 2x Fixed mounting	1x EA-1900 2x EA-1370K 2x EB-2550	EA-1810K	76866507	124
1x Bolster – 2x Fixed-length stanchion conical – 2x Resistance mounting	1x EA-1900 2x EA-1370K 2x EB-2300	EA-1820K	76855536	128
1x Bolster – 2x Fixed-length stanchion conical – 2x Quick-release mounting	1x EA-1900 2x EA-1370K 2x EB-2400	EA-1830K	76850352	127
1x Bolster – 2x Telescopic stanchion – 2x Fixed mounting	1x EA-1900 2x EA-1360 2x EB-2550	EA-1840	76799604	126
1x Bolster – 2x Telescopic stanchion – 2x Resistance mounting	1x EA-1900 2x EA-1360 2x EB-2300	EA-1850	76772133	130
1x Bolster – 2x Telescopic stanchion – 2x Quick-release mounting	1x EA-1900 2x EA-1360 2x EB-2400	EA-1860	76856232	134



ECCO



ECCO KOMBI

The flagship of our timber transport solutions

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ECCO KOMBI

The flagship of our timber transport solutions

ECCO Kombi perfectly combines the lightness of aluminium stanchions with the strength and stability of a steel bolster.

Benefits ECCO Kombi series:

- A cost-efficient and robust alternative to ECCO Alu
- Bolster made of high-degrees fine-grain steel
- Gegen Onpreis: Fixed-Length Stanchion in conicaler Version möglich
- At extra cost: fixed-length stanchions available in conical design
- At extra cost: KTL powder coating available in RAL colour of your choice
- All our products undergo continuous and rigorous quality control.

Versions:

Weight = bolster + fixed-length stanchions + clamp bracket fixed mounting

ECCO KOMBI 5:

Load capacity: 5 tonnes – Weight: 121 kg

ECCO KOMBI 7:

Load capacity: 7 tonnes – Weight: 126 kg

ECCO KOMBI 9:

Load capacity: 9 tonnes – Weight: approx. 147 kg

ECCO KOMBI 11:

Load capacity: 11 tonnes – Weight: approx. 152 kg

Product Details:

The ECCO Kombi bolster set consists of a steel bolster with two aluminium stanchions and the corresponding mounting system (available as clamp bracket fixed mounting, clamp bracket resistance mounting, or clamp bracket quick-release mounting).

Upon request, the steel bolster can be manufactured with cut-outs for direct frame installation, eliminating the need for additional mounting components.

The bolster is equipped with pre-drilled holes for load securing (lashing hooks, lashing rings, or combination fittings) and is approved as a certified load securing system.

The stanchions are available either as telescopic or fixed-length versions, offering load capacities of 5, 7, 9, or 11 tonnes per pair of stanchions.

The fixed-length stanchions can be manufactured to customer specifications with loading heights ranging from 2,000 mm to 2,800 mm, and are optionally available in a conical design (inner or outer taper) at an additional charge.

The telescopic stanchions have a retracted loading height of approx. 2,200 mm and are continuously adjustable up to a maximum height of approx. 3,000 mm.

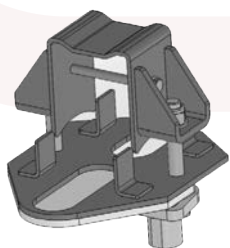
ECCO MOUNTINGS

The ECCO clamp bracket mounting allows the bolster to be individually adjusted to fit different vehicle frame widths.



○ Clamp Bracket Fixed Mounting

Build for the permanent installation of the bolsters on the vehicle frame.



○ Clamp Bracket Resistance Build

through spring force, this build is self-locking yet can be repositioned on the vehicle using the loading crane. No release of the build is required.



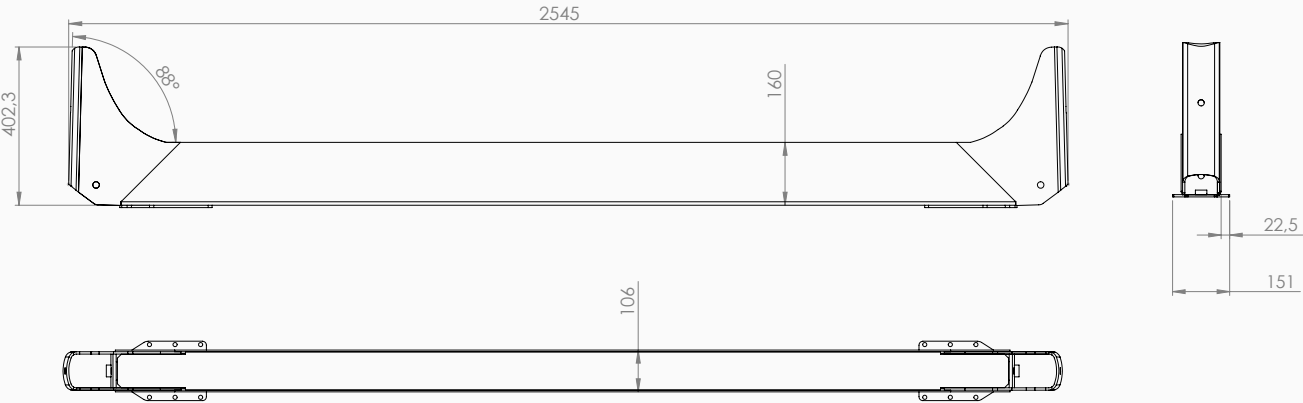
○ Clamp Bracket Quick Build

For the permanent build of the bolsters on the vehicle frame.



Bolster

EA-3000



Telescopic Stanchion

EA-1014



Fixed-Length Stanchion

EA-1024



Bolster

EA-3600

Technical drawing of a Bolster (EA-3600). The side view shows a long, narrow profile with a total length of 2545 mm and a height of 170 mm. The end view shows a width of 106 mm. The drawing includes a 30° angle dimension at the top corner.

Telescopic Stanchion

EA-1018

Technical drawing of a Telescopic Stanchion (EA-1018). The side view shows a long, narrow profile with a total length of 2400 + 800 mm and a height of 115 mm. The end view shows a width of 85 mm. The drawing includes a 30° angle dimension at the top corner.

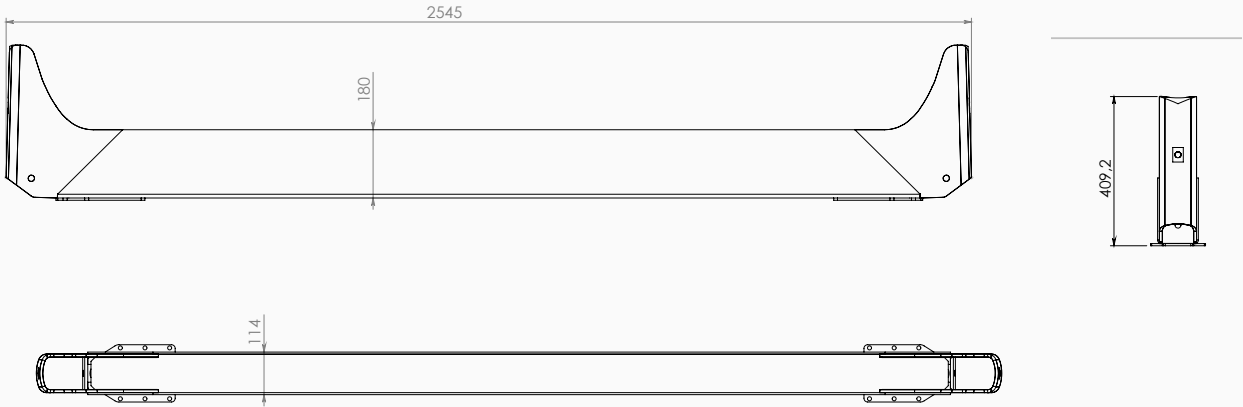
Fixed-Length Stanchion

EA-1026

Technical drawing of a Fixed-Length Stanchion (EA-1026). The side view shows a long, narrow profile with a total length of 'Nach Vorgabe' (as specified) and a height of 115 mm. The end view shows a width of 85 mm. The drawing includes a 30° angle dimension at the top corner.

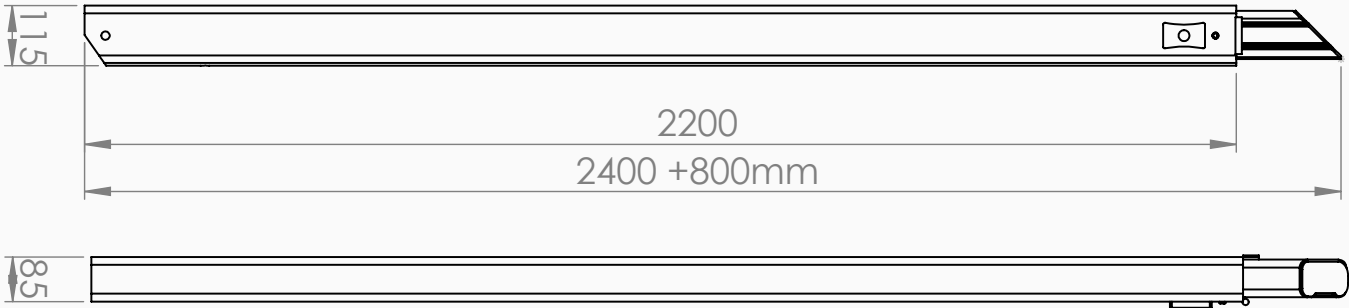
Bolster

EA-3050



Telescopic Stanchion

EA-1021



Fixed-Length Stanchion

EA-1027



Bolster

EA-3900

Technical drawing of a Bolster (EA-3900). The side view shows a long, low profile with a height of 180mm and a total length of 2545mm. The ends are rounded with a 88° angle. The top view shows a width of 156mm and a central slot width of 120mm. A detail view of the end shows a height of 443mm.

Telescopic Stanchion

EA-1360

Technical drawing of a Telescopic Stanchion (EA-1360). The side view shows a long, narrow profile with a height of 125mm. The total length is 2400+800mm, with a telescopic section of 2200mm. The top view shows a width of 90mm.

Fixed-Length Stanchion

EA-1370

Technical drawing of a Fixed-Length Stanchion (EA-1370). The side view shows a long, narrow profile with a height of 125mm. The length is specified as "Nach Vorgabe" (According to specification). The top view shows a width of 90mm.



Bolster

Version	Description	Dimensions (W x H)	Coating	Type	Article-nr.	Weight (kg)
KOMBI 5	Kombi Bolster 5t, 2.0° stanchion inclination	2550 x 160	Raw	EA-3000	76864103	52
KOMBI 5	Kombi Bolster 5t, 2.0° stanchion inclination	2550 x 160	RAL	EA-3000L	76853104	52
KOMBI 5	Kombi Bolster 5t with cut-out, 2.0° stanchion inclination	2550 x 160	Raw	EA-3001	76849046	51
KOMBI 5	Kombi Bolster 5t with cut-out, 2.0° stanchion inclination	2550 x 160	RAL	EA-3001L	76836884	51
KOMBI 7	Kombi Bolster 7t, 2.0° stanchion inclination	2550 x 170	Raw	EA-3600	76789574	62
KOMBI 7	Kombi Bolster 7t, 2.0° stanchion inclination	2550 x 170	RAL	EA-3600L	76846443	62
KOMBI 7	Kombi Bolster 7t with cut-out, 2.0° stanchion inclination	2550 x 170	Raw	EA-3601	76822936	61
KOMBI 7	Kombi Bolster 7t with cut-out, 2.0° stanchion inclination	2550 x 170	RAL	EA-3601L	76855331	61
KOMBI 9	Kombi Bolster 9t, 2.0° stanchion inclination	2550 x 180	Raw	EA-3050	76846441	71
KOMBI 9	Kombi Bolster 9t, 2.0° stanchion inclination	2550 x 180	RAL	EA-3050L	76845563	71
KOMBI 9	Kombi Bolster 9t with cut-out, 2.0° stanchion inclination	2550 x 180	Raw	EA-3051	76855327	70
KOMBI 9	Kombi Bolster 9t with cut-out, 2.0° stanchion inclination	2550 x 180	RAL	EA-3051L	76837770	70
KOMBI 11	Kombi Bolster 11t, 2.0° stanchion inclination	2550 x 180	Raw	EA-3900	76848247	80
KOMBI 11	Kombi Bolster 11t, 2.0° stanchion inclination	2550 x 180	RAL	EA-3900L	76844665	80
KOMBI 11	Kombi Bolster 11t with cut-out, 2.0° stanchion inclination	2550 x 180	Raw	EA-3901	76851658	79
KOMBI 11	Kombi Bolster 11t with cut-out, 2.0° stanchion inclination	2550 x 180	RAL	EA-3901L	76861804	79

Please specify the desired RAL colour when placing your order.

Stanchions

Version	Description	Loading height (W x H) [mm]	Version	Typ	Article-nr.	Weight (kg)
ALU 5	Fixed-Length Stanchion	2200 – 2800	standard	EA-1024	76835875	17
ALU 5	Fixed-Length Stanchion	2200 – 2800	conical	EA-1024K	76854405	17
ALU 5	Telescopic Stanchion, Adjustable loading height	2200 – 3000	standard	EA-1014	76789572	20
ALU 7	Fixed-Length Stanchion	2200 – 2800	standard	EA-1026	76789657	21
ALU 7	Fixed-Length Stanchion	2200 – 2800	conical	EA-1026K	76864218	21
ALU 7	Telescopic Stanchion, Adjustable loading height	2200 – 3000	standard	EA-1018	76853111	23
ALU 9	Fixed-Length Stanchion	2200 – 2800	standard	EA-1027	76864299	24
ALU 9	Fixed-Length Stanchion	2200 – 2800	conical	EA-1027K	76864216	24
ALU 9	Telescopic Stanchion, Adjustable loading height	2200 – 3000	standard	EA-1021	76794887	26
ALU 11	Fixed-Length Stanchion	2200 – 2800	standard	EA-1370	76761385	28
ALU 11	Fixed-Length Stanchion	2200 – 2800	conical	EA-1370K	76805355	28
ALU 11	Telescopic Stanchion, Adjustable loading height	2200 – 3000	standard	EA-1360	76864297	31

Please specify the desired loading height when placing your order.

Clamp bracket builds

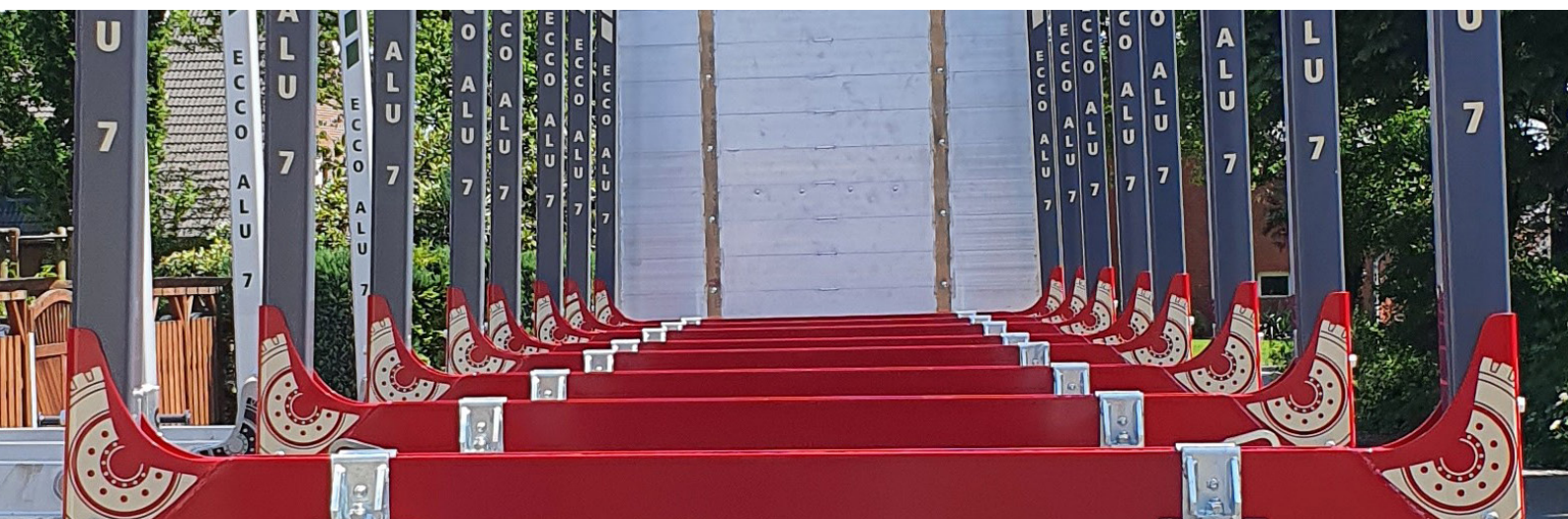
Version	Description	Coating	Type	Article-nr.	Weight (kg)
KOMBI 5/7	Fixed Build, 108 mm	galvanized	EB-2088	76840354	21
KOMBI 5/7	Resistance Build, 108 mm	galvanized	EB-3200	76841062	22
KOMBI 5/7	Quick Build, 108 mm	RAL9006 	EB-2900	76831286	24
KOMBI 9	Fixed Build, 117 mm	galvanized	EB-2150	76847335	21
KOMBI 9	Resistance Build, 117 mm	galvanized	EB-3300	76832590	22
KOMBI 9	Quick Build, 117 mm	RAL9006 	EB-2600	76761382	24
KOMBI 11	Fixed Build, 122 mm	galvanized	EB-2170	76832876	21
KOMBI 11	Resistance Build, 122 mm	galvanized	EB-3600	76798178	22
KOMBI 11	Quick Build, 122 mm	RAL9006 	EB-2700	76857816	24

Kombi stanchion pocket

Version	Description	Type	Article-nr.	Weight (kg)
STEEL 5/7	Kombi stanchion pocket 5t/7t	EA-1145	76868898	8
STEEL 9	Kombi stanchion pocket 9t	EA-1048	76835885	11

Accessories

Description	Typ	Article-nr.	Weight (kg)
Telescopic section for ECCO Alu stanchion	EA-0010	76857818	
Telescopic wrench for ECCO telescopic stanchion	EA-0020	76850270	
Bolt set for ECCO Alu stanchion	EA-0030	76806230	
Mounting wrench for Alu stanchion assembly	EA-0040	76864298	
Adapter plate for telescopic stanchion	EA-1034	74835798	0,3
Set screw for adapter plate	EA-1341	74842422	0,2
Plastic plate for aluminium build	EB-2004	76834363	
Polyamide plug for clamp bracket resistance build	EB-2013	76856039	



Complete set: **ECCO** KOMBI 5

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster raw – 2x Fixed–Length Stanchion	1x EA-3000 2x EA-1024	EA-3200	76849960	94
1x Bolster raw – 2x Fixed–Length Stanchion conical	1x EA-3000 2x EA-1024K	EA-3200K	76868406	93
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion	1x EA-3001 2x EA-1024	EA-3201	76851655	93
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion conical	1x EA-3001 2x EA-1024K	EA-3201K	76836152	92
1x Bolster raw – 2x Telescopic Stanchion	1x EA-3000 2x EA-1014	EA-3100	76832881	99
1x Bolster raw with cut–out – 2x Telescopic Stanchion	1x EA-3001 2x EA-1014	EA-3101	76802873	98
1x Bolster coated– 2x Fixed–Length Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3000L 2x EA-1024 2x EB-2088	EA-3215	76832879	121
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3000L 2x EA-1024 2x EB-3200	EA-3225	76838992	123
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Quick Build	1x EA-3000L 2x EA-1024 2x EB-2900	EA-3235	76833778	125
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Fixed Build	1x EA-3000L 2x EA-1024K 2x EB-2088	EA-3215K	76861733	120
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Resistance Build	1x EA-3000L 2x EA-1024K 2x EB-3200	EA-3225K	76863896	122
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Quick Build	1x EA-3000L 2x EA-1024K 2x EB-2900	EA-3235K	76868897	124
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3000L 2x EA-1014 2x EB-2088	EA-3165	76829961	124
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3000L 2x EA-1014 2x EB-3200	EA-3175	76822928	126
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Quick Build	1x EA-3000L 2x EA-1014 2x EB-2900	EA-3185	76864200	128

Please specify the desired RAL colour when placing your order.



Complete set: **ECCO** KOMBI 7

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster raw – 2x Fixed–Length Stanchion	1x EA-3600 2x EA-1026	EA-3700	76809987	105
1x Bolster raw – 2x Fixed–Length Stanchion conical	1x EA-3600 2x EA-1026K	EA-3700K	76828684	103
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion	1x EA-3601 2x EA-1026	EA-3701	76851650	104
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion conical	1x EA-3601 2x EA-1026K	EA-3701K	76856038	103
1x Bolster raw – 2x Telescopic Stanchion	1x EA-3600 2x EA-1018	EA-3650	76865998	109
1x Bolster raw with cut–out – 2x Telescopic Stanchion	1x EA-3601 2x EA-1018	EA-3651	76840493	108
1x Bolster coated– 2x Fixed–Length Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3000L 2x EA-1026 2x EB-2088	EA-3810	76856534	126
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3600L 2x EA-1026 2x EB-3200	EA-3820	76852444	128
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Quick Build	1x EA-3600L 2x EA-1026 2x EB-2900	EA-3830	76849049	130
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Fixed Build	1x EA-3600L 2x EA-1026K 2x EB-2088	EA-3810K	76764792	125
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Resistance Build	1x EA-3600L 2x EA-1026K 2x EB-3200	EA-3820K	76861636	127
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Quick Build	1x EA-3600L 2x EA-1026K 2x EB-2900	EA-3830K	76829978	130
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3600L 2x EA-1018 2x EB-2088	EA-3760	76847330	131
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3600L 2x EA-1018 2x EB-3200	EA-3770	76826671	133
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Quick Build	1x EA-3000L 2x EA-1014 2x EB-2900	EA-3780	76858511	135

Please specify the desired RAL colour when placing your order.



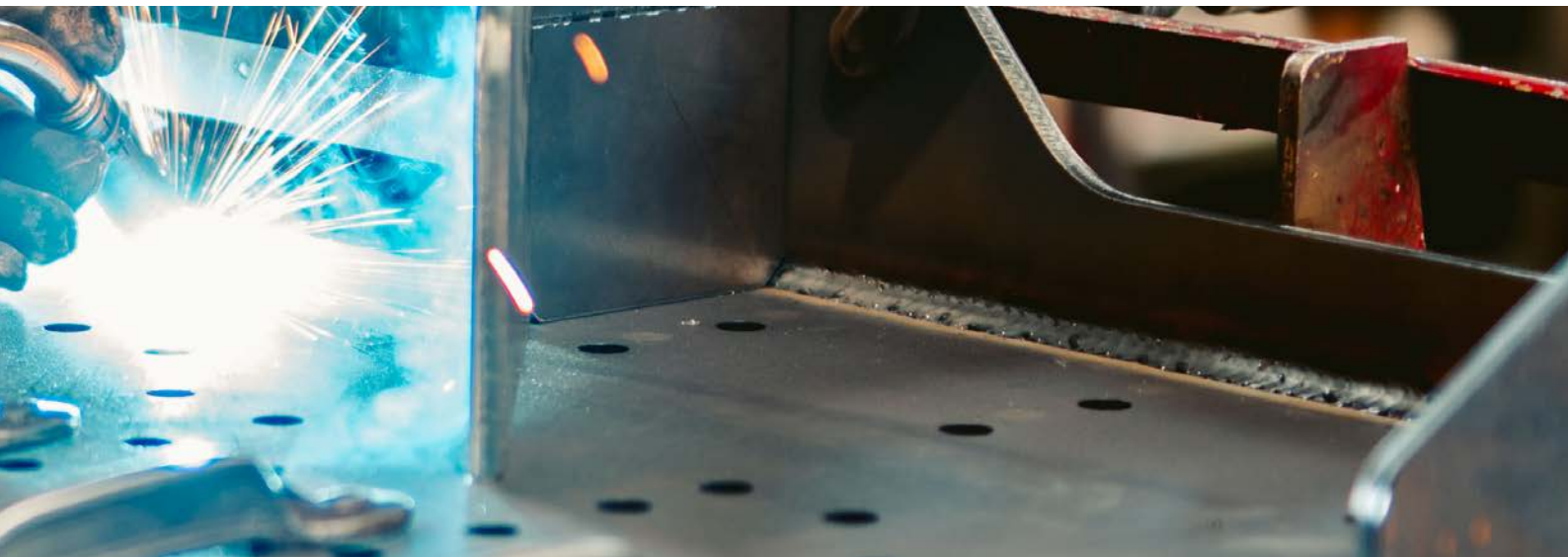
Complete set: **ECCO** KOMBI 9

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster raw – 2x Fixed–Length Stanchion	1x EA-3050 2x EA-1027	EA-3350	76855509	125
1x Bolster raw – 2x Fixed–Length Stanchion conical	1x EA-3050 2x EA-1027K	EA-3350K	76863300	125
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion	1x EA-3051 2x EA-1027	EA-3351	76833780	93
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion conical	1x EA-3051 2x EA-1027K	EA-3351K	76850173	124
1x Bolster raw – 2x Telescopic Stanchion	1x EA-3050 2x EA-1021	EA-3300	76855335	129
1x Bolster raw with cut–out – 2x Telescopic Stanchion	1x EA-3051 2x EA-1021	EA-3301	76852446	128
1x Bolster coated– 2x Fixed–Length Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3050L 2x EA-1027 2x EB-2150	EA-3460	76863498	147
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3050L 2x EA-1027 2x EB-3300	EA-3470	76844671	149
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Quick Build	1x EA-3050L 2x EA-1027 2x EB-2600	EA-3480	76852129	151
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Fixed Build	1x EA-3050L 2x EA-1027K 2x EB-2150	EA-3460K	76865931	147
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Resistance Build	1x EA-3050L 2x EA-1027K 2x EB-3300	EA-3470K	76829980	149
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Quick Build	1x EA-3050L 2x EA-1027K 2x EB-2600	EA-3480K	76846748	125
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3050L 2x EA-1021 2x EB-2150	EA-3410	76841776	150
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3050L 2x EA-1021 2x EB-3300	EA-3420	76865798	152
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Quick Build	1x EA-3050L 2x EA-1021 2x EB-2600	EA-3430	76832877	154



Complete set: **ECCO** KOMBI 11

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster raw – 2x Fixed–Length Stanchion	1x EA-3900 2x EA-1370	EA-4050	76855330	131
1x Bolster raw – 2x Fixed–Length Stanchion conical	1x EA-3900 2x EA-1370K	EA-4050K	76829977	131
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion	1x EA-3901 2x EA-1370	EA-4051	76806229	130
1x Bolster raw with cut–out – 2x Fixed–Length Stanchion conical	1x EA-3901 2x EA-1370K	EA-4051K	76817849	130
1x Bolster raw – 2x Telescopic Stanchion	1x EA-3900 2x EA-1360	EA-4000	76864300	134
1x Bolster raw with cut–out – 2x Telescopic Stanchion	1x EA-3900 2x EA-1360	EA-4001	76863503	133
1x Bolster coated– 2x Fixed–Length Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3900L 2x EA-1370 2x EB-2170	EA-4160	76845566	152
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3900L 2x EA-1370 2x EB-3600	EA-4170	76849051	154
1x Bolster coated – 2x Fixed–Length Stanchion – 2x Clamp Bracket Quick Build	1x EA-3900L 2x EA-1370 2x EB-2700	EA-4180	76756389	156
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Fixed Build	1x EA-3900L 2x EA-1370K 2x EB-2170	EA-4160K	76861731	152
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Resistance Build	1x EA-3900L 2x EA-1370K 2x EB-3600	EA-4170K	76847683	154
1x Bolster coated – 2x Fixed–Length Stanchion conical – 2x Clamp Bracket Quick Build	1x EA-3900L 2x EA-1370K 2x EB-2700	EA-4180K	76840363	156
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Fixed Build	1x EA-3900L 2x EA-1360 2x EB-2170	EA-4110	76849212	154
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Resistance Build	1x EA-3900L 2x EA-1360 2x EB-3600	EA-4120	76829962	157
1x Bolster coated – 2x Telescopic Stanchion – 2x Clamp Bracket Quick Build	1x EA-3900L 2x EA-1360 2x EB-2700	EA-4130	76789567	158



ECCO KOMBI A

The flagship of our timber transport solutions

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Drawings 43 – 44

Article Numbers 46 – 47



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ECCO Kombi A

The flagship of our timber transport solutions

The ECCO Kombi A is part of the ECCO Kombi product range. The stanchions are equipped with either a bolt locking system or an automatic latch, allowing for quick and easy exchange within the bolster or weld-in pocket.

Benefits

- Particularly stable due to manufacturing with a special pressing process
- Fixed-length stanchions available in customer-specific lengths
- At extra cost: fixed-length stanchions available in conical design
- Installation on the vehicle frame using the appropriate build
- At extra cost: KTL powder coating available in RAL colour of your choice
- Due to the pocket design, particularly suitable for platform builds

- 2 Degree Stanchion inclination
- Overall width approx. 2550 mm
- Supplied with short stanchion pocket and pressure roller

- Upon request, telescopic, fixed-length, or conical stanchions can be supplied.

All ECCO Kombi A weld-in pockets are designed for stanchions with automatic latch or bolt locking system.



○ Automatic latch



○ Bolt locking system



○ Guide wedge

Product details:

The ECCO Kombi A build consists of a steel bolster with two aluminium stanchions, available with either a bolt locking system or an automatic latch.

The stanchions are available as telescopic or fixed-length versions, offering a load capacity of 7, 9, or 11 tonnes per stanchion pair.

The loading height of the fixed-length stanchions is manufactured according to customer specifications between 2,000 mm and 2,800 mm and can optionally be supplied in conical design (inner or outer) at extra cost.

The telescopic stanchions feature a minimum loading height of approx. 2,200 mm and are continuously adjustable up to approx. 3,000 mm.

The ECCO Kombi A weld-in pockets are a proven design specifically developed for aluminium stanchions with bolt locking system or automatic latch and are available with or without adapter.

Weld-in pockets with adapter are ideal for direct welding to cross members, while pockets without adapter are designed for installation in the vehicle centre (middle stanchions) or at other suitable positions, e.g. as stanchion depot.

By combining a pressure roller with a guide wedge on the stanchion, a permanent and secure fit of the stanchions in the weld-in pockets is ensured.

ECCO Kombi A Weld-in pockets

ECCO Kombi A weld-in pockets without adapter are designed for integration into custom builds in the vehicle centre (middle stanchions) or at any other suitable position, e.g. as a stanchion depot. Connection to the vehicle structure is carried out by the customer.

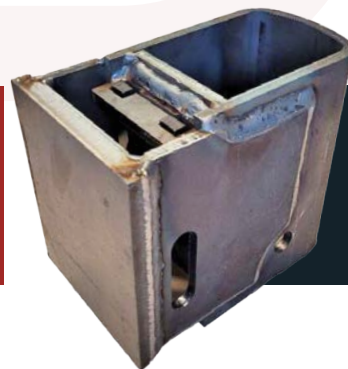
ECCO Kombi A weld-in pockets with adapter are designed for welding to vertical cross members.

A stanchion inclination of 2 degrees is preset at the factory.



Weld-in pocket without Adapter

- Material: Steel
- Height: 190 mm
- Weight: ca. 6 kg



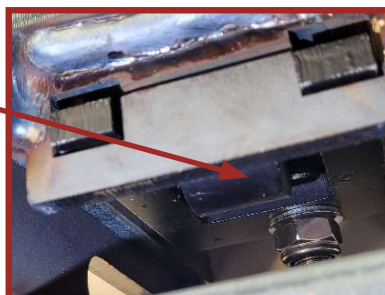
Weld-in pocket with Adapter

- Material: Steel
- Height: 190 mm
- Weight: ca. 12 kg

By using the adjustable pressure rollers in combination with the guide wedge, a permanently secure fit of the stanchions in the weld-in pockets is ensured



○ Pressure roll



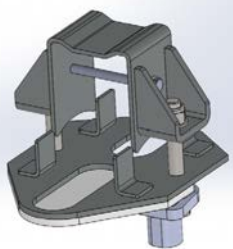
○ Welding to vertical I-beam cross members

ECCO MOUNTINGS



○ Clamp Bracket Fixed Build

For the permanent installation of the bolsters on the vehicle frame.



○ Clamp Bracket Resistance Build

By means of spring force, this build is self-locking but can be repositioned on the vehicle using the loading crane. Releasing the build is not required



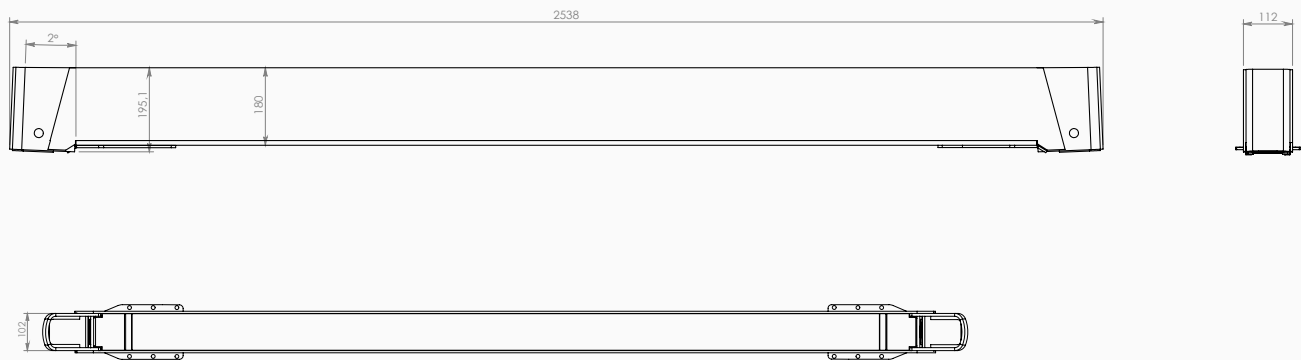
○ Clamp Bracket Quick Build

For the permanent installation of the bolsters on the vehicle frame.



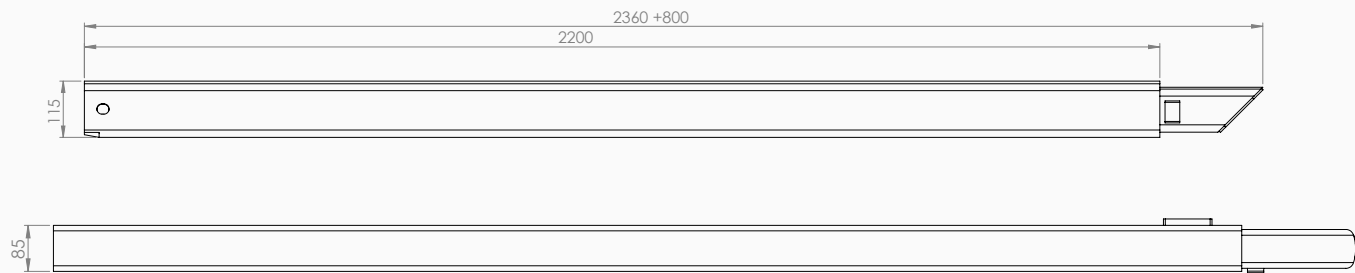
Bolster

AR-1500



Telescopic stanchion

AR-1080



Fixed-length stanchion

AR-1060



Bolster

AR-1600

Technical drawing of the Bolster AR-1600. The side view shows a long, narrow profile with a total length of 2538. The width is 114. The height is 180. The end view shows a rectangular profile with a width of 102. The drawing includes a small detail of the end connection.

Telescopic stanchion

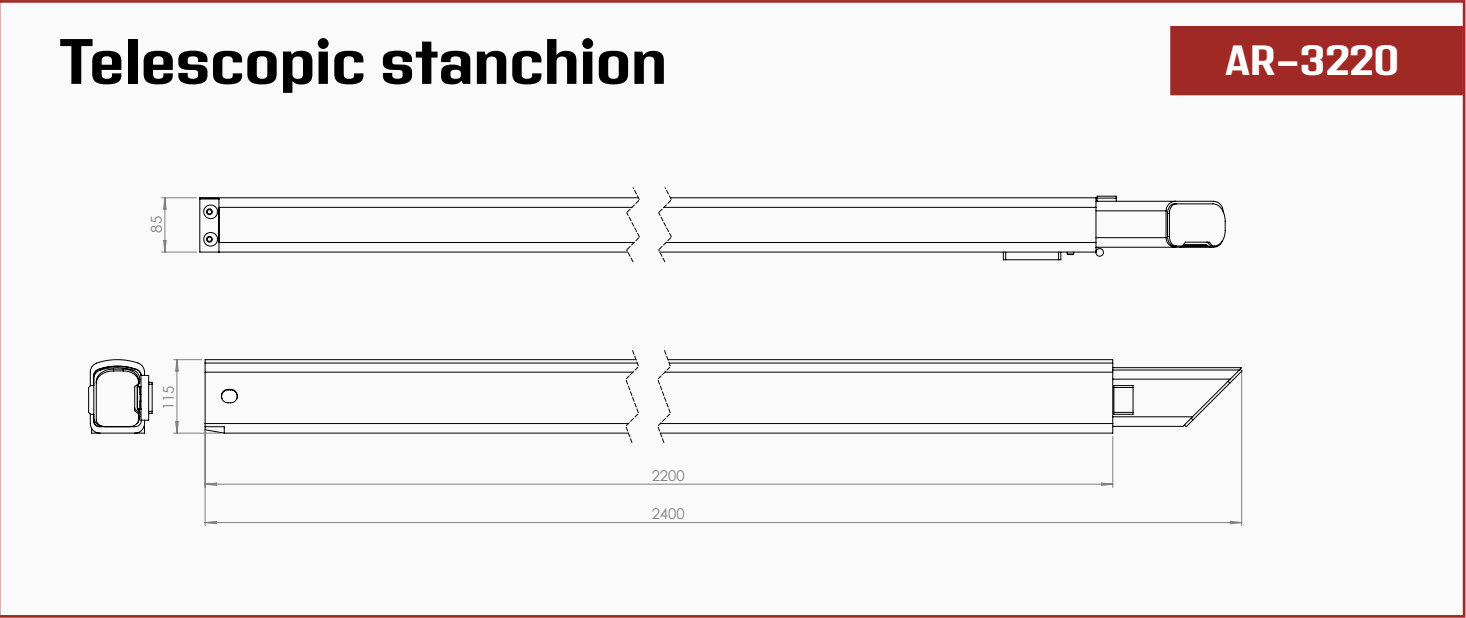
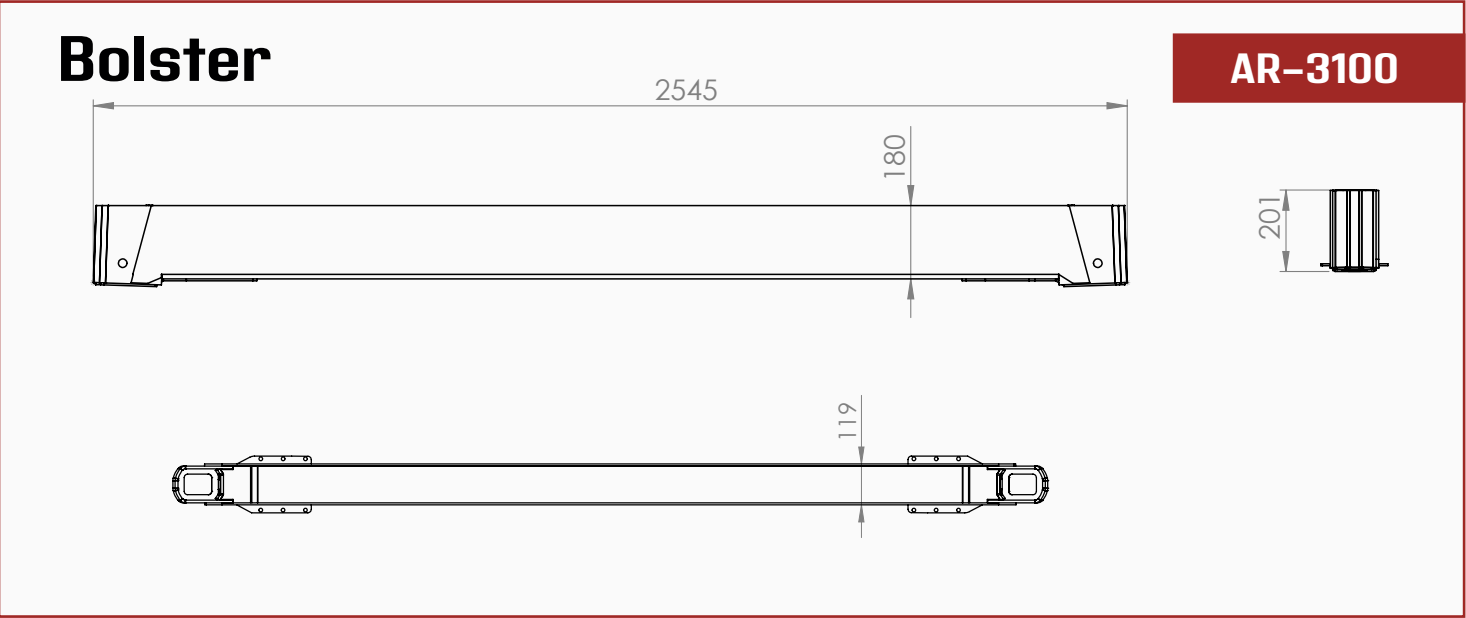
AR-1095

Technical drawing of the Telescopic stanchion AR-1095. The side view shows a long, narrow profile with a total length of 2360 + 800. The width is 115. The height is 115. The end view shows a rectangular profile with a width of 115. The drawing includes a small detail of the end connection.

Fixed-length stanchion

AR-1090

Technical drawing of the Fixed-length stanchion AR-1090. The side view shows a long, narrow profile with a total length of 2360 + 800. The width is 115. The height is 115. The end view shows a rectangular profile with a width of 115. The drawing includes a small detail of the end connection.



Article Numbers: ECCO KOMBI A

Bolster



Version	Description	Dimensions (W x H)	Coating	Typ	Article-nr.	Weight (kg)
KOMBI 7A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	Raw	AR-1500	76865901	63
KOMBI 7A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	RAL	AR-1500L	76842694	63
KOMBI 9A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	Raw	AR-1600	76833777	68
KOMBI 9A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	RAL	AR-1600L	76865999	68
KOMBI 11A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	Raw	AR-3100	76844668	72
KOMBI 11A	Bolster for 2,0 Degree Stanchion inclination, with short Stanchion pocket and Pressure roller	2550 x 180	RAL	AR-3100L	76847138	72

Please specify the desired RAL colour when placing your order.

Pockets

Version	Description	Coating	Typ	Article-nr.	Weight (kg)
KOMBI A	Stanchion pocket with Pressure roller	Raw	AR-1100	76807093	6
KOMBI A	Stanchion pocket short with Pressure roller, welded on 2,0 Degree Stanchion inclination, with Adapter	Raw	AR-1200	76834362	12
KOMBI 11A	Stanchion pocket with Pressure roller	Raw	AR-3000	76789833	8
KOMBI 11A	Stanchion pocket short with Pressure roller, welded on 2,0 Degree Stanchion inclination, with Adapter	Raw	AR-3010	76773286	14

Stanchions

Version	Description	Loading height (mm)	Typ	Article-nr.	Weight (kg)
ALU 7	Fixed-length stanchion with Automatic latch	2000 – 2800	AR-1050	76858512	25
ALU 7	Fixed-length stanchion with Bolt lock	2000 – 2800	AR-1060	76855511	23
ALU 7	Telescopic stanchion with Automatic latch	2200 – 3000	AR-1070	76838989	26
ALU 7	Teleskopstanchions with Bolt locking pin	2200 – 3000	AR-1080	76789573	25
ALU 9	Fixed-length stanchion with Bolt locking pin	2200 – 3000	AR-1090	76740284	25
ALU 9	Telescopic stanchion with Bolt locking pin	2200 – 2800	AR-1095	76848830	28
ALU 11	Fixed-length stanchion with Bolt locking pin	2000 – 2800	AR-3210	76855442	27
ALU 11	Telescopic stanchion with Bolt locking pin	2200 – 3000	AR-3220	76829954	29

Please specify the desired loading height when placing your order.



Spare parts

Description	Typ	Article-nr.	Weight (kg)
Adapter plate for Telescopic stanchion	EA-1034	74835798	0,3
Set screw for Adapter plate	EA-1341	74842422	0,2
Pressure roller coated in RAL 9005 	AR-1021-9005	76828162	–
Pressure roller (Raw)	AR-1021	76868405	–
Complete locking unit for automatic stanchion	AR-1110	76831290	–



ECCO Alu 3

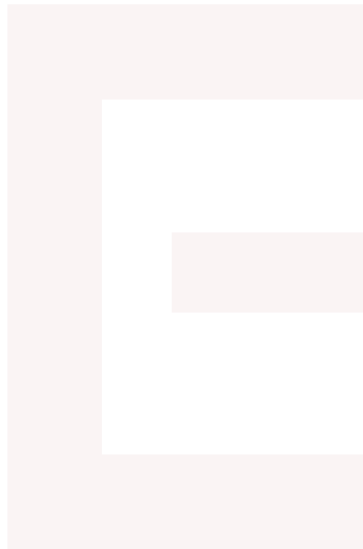
lightweight, durable, safe & certified

Overview

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Article Numbers

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ECCO ALU 3

lightweight, durable, safe & certified

The material is lightweight, strong, and durable - perfect for transport securing, without losing much payload due to the weight of the bolsters and stanchions themselves.

Benefits ECCO Alu Serie:

- Fully made of aluminium, with stanchions anodized for surface protection.
- Particularly stable due to manufacturing with a special pressing process
- Length of the base stanchion according to customer specifications
- Installation on the vehicle frame using the appropriate build
- At extra cost: KTL powder coating available in RAL colour of your choice
- Our products are subject to continuous and strict quality control.

Version

Weight = Base stanchion + Automatic latch

ECCO Alu 3:

Load capacity of 3 Tonnes per Stanchions-
Weight: approx 42 kg.

Product details:

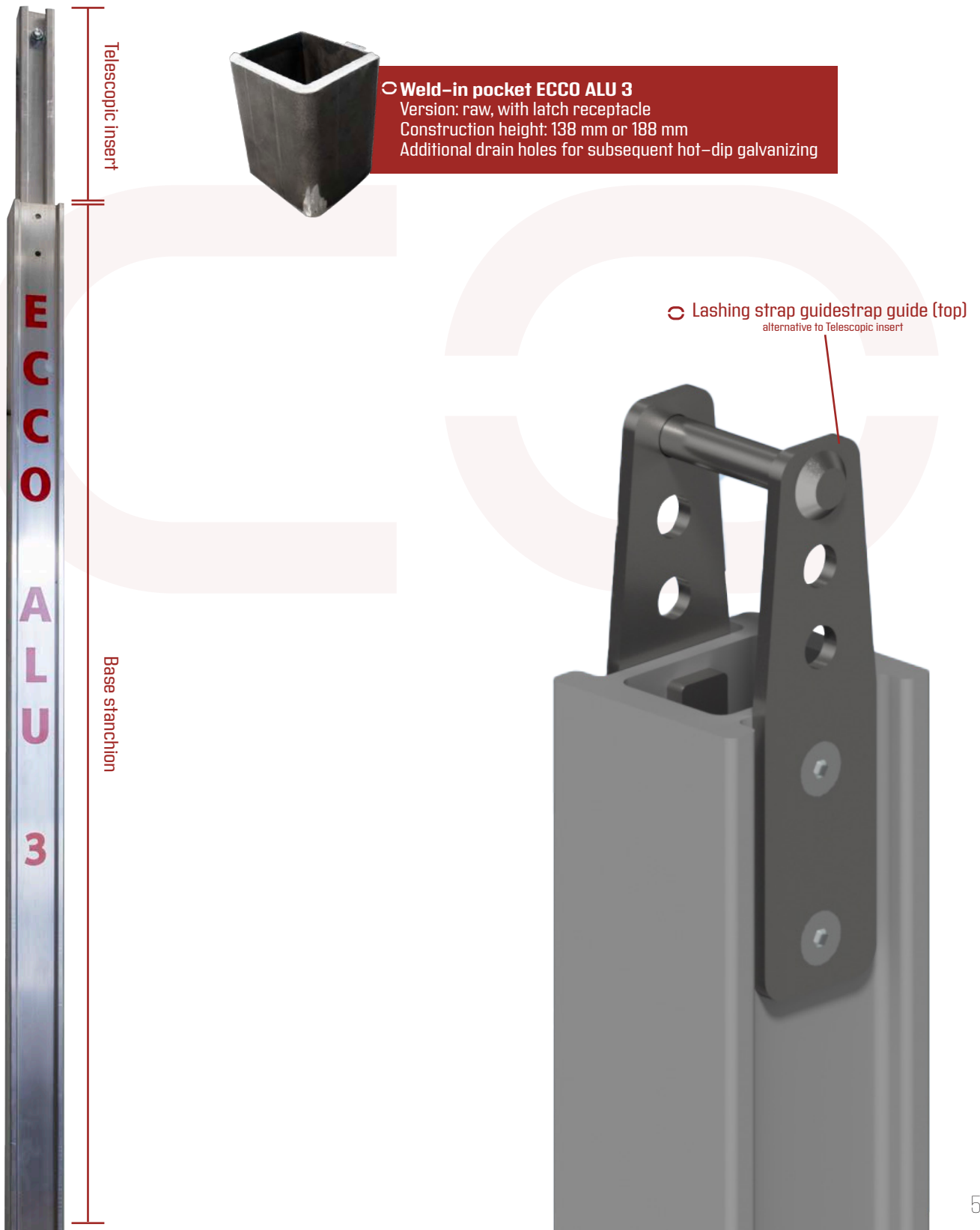
The ECCO Alu 3 is available in two versions:

with automatic latch, or as a version without a locking mechanism.

Each stanchion is equipped with an adjustable aluminium telescopic insert, which can be flexibly adjusted to different height positions.

Alternatively, instead of the telescopic insert, a Lashing strap guide/strap guide can be integrated at the upper end of the stanchion to serve as a lashing point.

In addition, two stanchion pockets with integrated latch receptacle are available in construction heights of 138 mm and 188 mm, designed for permanent installation in the vehicle chassis.



Article Numbers: ECCO ALU 3

Stanchions with Automatic latch (suitable EXTE ALU310SV)

Version	Description	Loading height (W x H)	Version	Typ	Article-nr.	Weight (kg)
ALU 3	Base stanchion with Automatic latch, for Stanchion pocket ECCO Alu 3	1200 – 2199 (acc. to customer specifications)	Raw	AR-2100	76865932	16
ALU 3	Base stanchion with Automatic latch, for Stanchion pocket ECCO Alu 3	2200 – 2599 (acc. to customer specifications)	Raw	AR-2101	76799606	19
ALU 3	Base stanchion with Automatic latch, for Stanchion pocket ECCO Alu 3	2600 – 2999 (acc. to customer specifications)	Raw	AR-2102	76855336	21
ALU 3	Base stanchion with Automatic latch, for Stanchion pocket ECCO Alu 3	3000 – 3299 (acc. to customer specifications)	Raw	AR-2103	76868896	23

Please specify the loading height of the stanchion and the version (straight or inclined) when placing your order.
Stanchion pocket Height specify.

Weight specified at maximum height

Stanchions without Automatic latch (suitable EXTE ALU310)

Version	Description	Loading height (W x H)	Version	Typ	Article-nr.	Weight (kg)
ALU 3	Base stanchion without Automatic latch, for Stanchion pocket ECCO Alu 3	1200 – 2199 (acc. to customer specifications)	Raw	AR-2200	76869597	14
ALU 3	Base stanchion without Automatic latch, for Stanchion pocket ECCO Alu 3	2200 – 2599 (acc. to customer specifications)	Raw	AR-2201	76849735	17
ALU 3	Base stanchion without Automatic latch, for Stanchion pocket ECCO Alu 3	2600 – 2999 (acc. to customer specifications)	Raw	AR-2202	76867606	19
ALU 3	Base stanchion without Automatic latch, for Stanchion pocket ECCO Alu 3	3000 – 3299 (acc. to customer specifications)	Raw	AR-2203	76858126	21

Please specify the loading height of the stanchion and the version (straight or inclined) when placing your order.
Stanchion pocket Height specify

Weight specified at maximum height

Pockets

Description	Typ	Article-nr.	Weight (kg)
Steel Weld-in pocket Raw, low construction height 138 mm (130 mm)	AR-2500	76848399	4
Steel Weld-in pocket Raw, low construction height 188 mm (180 mm)	AR-2501	76848977	5

Telescopic inserte (suitable for EXTE ALU310SV)

Description	Adjustment range (mm)	Version	Typ	Article-nr.	Weight (kg)
Alu Telescopic insert for telescopic version	400 – 530	Alu natur	AR-2300	76858534	3,5
Alu Telescopic insert for telescopic version	600 – 730	Alu natur	AR-2301	76842082	4
Alu Telescopic insert for telescopic version	800 – 930	Alu natur	AR-2302	76869298	4,5
Alu Telescopic insert for telescopic version	1000 – 1130	Alu natur	AR-2303	76835464	5
Alu Telescopic insert for telescopic version	1200 – 1330	Alu natur	AR-2304	76865933	5,5

Lashing strap guidestrap

Description	Typ	Article-nr.	Weight (kg)
Lashing strap guidestrap / lashing point, incl. screw set	AR-2900	76413938	2

Only for the base stanchion version without telescopic insert. Please specify the lashing strap guide version when ordering the stanchions.



ECCO Steel 7/9

Steel–Bolster with Steel–Stanchions

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ECCO Steel 19

ECCO STEEL 7/9

Steel-Bolster with Steel-Stanchions



ECCO Steel offers a bolster with a load capacity of 7 t and 9 t, featuring stanchions with an inclination of 1.0 degrees. Equipped with mounting plates for attaching lashing points, it is approved as a certified load securing system.

Benefits ECCO STEEL Serie:

- Cost-efficient and robust alternative to ECCO Alu
- Bolster made of high-quality fine-grain steel
- Length of the fixed-length stanchion according to customer specifications
- At extra cost: fixed-length stanchion available in conical version
- Installation on the frame using the appropriate build or direct mounting of the bolster onto the longitudinal beam by means of a cut-out.
- At extra cost: KTL powder coating available in RAL colour of your choice
- Our products are subject to continuous and strict quality control.

Version:

Weight = Bolster + Fixed-length stanchion + Clamp Bracket Fixed Build

ECCO STEEL 7:

Load capacity of 7 Tonnes – Weight: 146 kg

ECCO STEEL 9:

Load capacity of 9 Tonnes – Weight: 177 kg

Product details:

An ECCO Steel bolster set consists of a steel bolster, two steel stanchions with automatic latch or screw lock (available as fixed-length or telescopic stanchions including aluminium telescopic insert), and the build type best suited to your application.

You can choose between fixed-length stanchions (loading height between 2,200 - 2,800 mm) and telescopic stanchions (standard version: 2,000 mm with telescopic insert retracted / long version: 2,300 mm with telescopic insert retracted).

ECCO STEEL 7/9 Weld-in pockets

ECCO Steel weld-in pockets without adapter are designed for integration into custom constructions in the vehicle centre (centre stanchions) or at any other suitable position, e.g. as a stanchion depot. The connection to the vehicle is carried out by the customer.

ECCO Steel weld-in pockets for welding to suitable cross members. A stanchion inclination of 1 degree is factory-set.



Screw lock

- The stanchions are supplied with screw lock and are compatible with ECCO Steel bolsters and weld-in pockets.



Weld-in pocket ECCO STEEL 9

- For stanchions with automatic latch or screw lock.
- Weight: 8 kg
- Compatible with system 144.



Adapter ECCO STEEL 7

- ECCO Steel 7 stanchions are manufactured with adapter (yellow circle) upon customer request. This allows their use in combination with the ECCO Steel 9 bolster, the weld-in pocket, or the ExTe system 144.



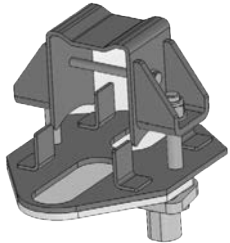
ECCO Steel Stanchions werden standardmäßig KTL- und Pulvercoated in RAL 3002, können aber auch in RAL-Farbtönen nach Wahl coated werden.
RAL-Farben für die Beschriftung gemäß Kundenvorgabe.

ECCO MOUNTINGS



○ Clamp Bracket Fixed Build

For the permanent installation of the bolsters on the vehicle frame.



○ Clamp Bracket Resistance Build

By means of spring force, this build is self-locking but can be repositioned on the vehicle using the loading crane. Releasing the build is not required.



○ Clamp Bracket Quick Build

For the permanent installation of the bolsters on the vehicle frame.





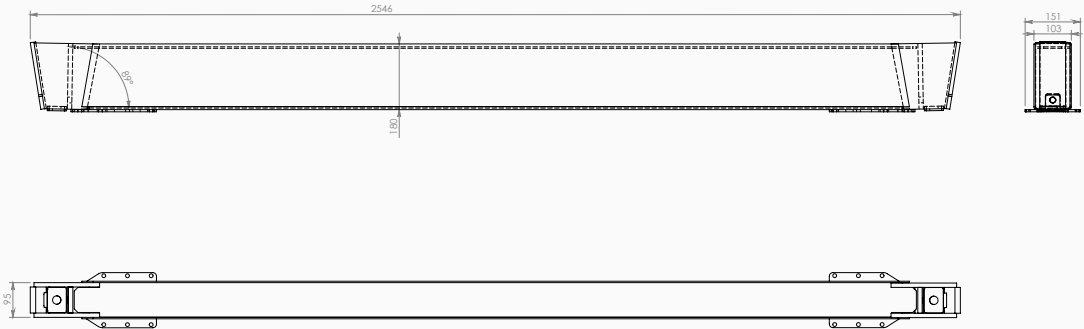
Clamp Bracket Fixed Build

- 1 Degree Stanchion inclination
- Outer width: 2550 mm
- Bolster body cross-section: 180 mm x 115 mm
- Optional: construction height of 160 mm available



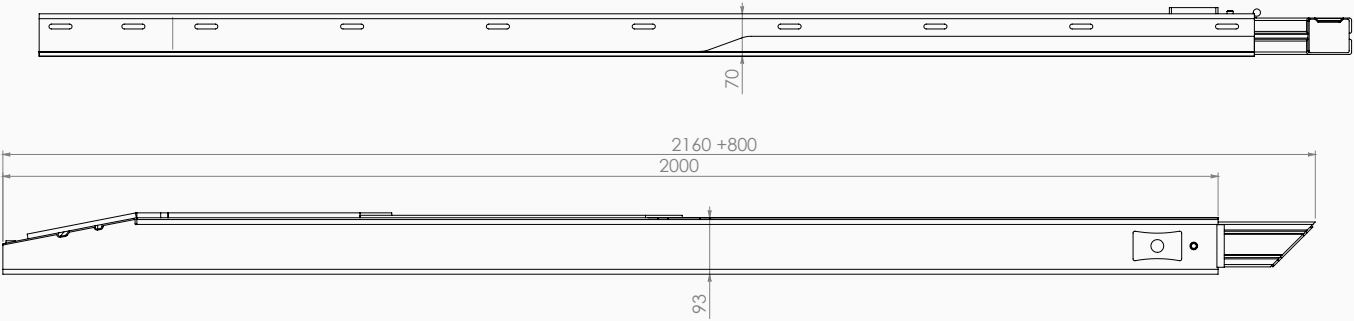
Bolster

ES-4000



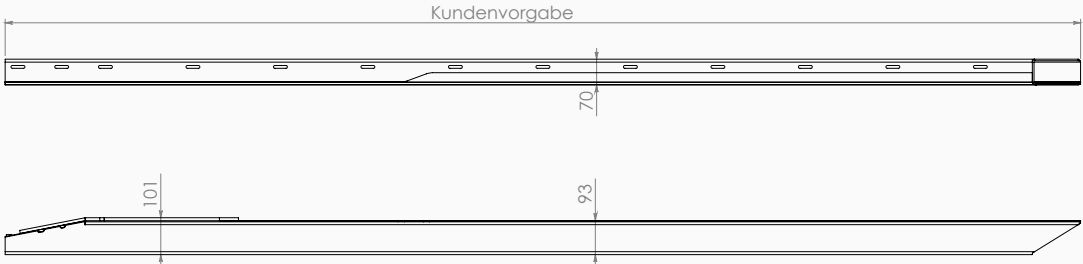
Telescopic stanchion

ES-1300



Fixed-length stanchion

ES-1300F



Bolster

ES-4100

Technical drawing of the Bolster ES-4100. The top view shows a long rectangular profile with a total length of 2550 and a height of 180. The ends are tapered at an angle of 89°. The side view shows a cross-section with a width of 151 and a central slot with a width of 115.

Telescopic stanchion

ES-1350

Technical drawing of the Telescopic stanchion ES-1350. The top view shows a long profile with a total length of 2220 + 800 and a main section length of 2000. The height is 106. The side view shows a cross-section with a width of 96 and a central slot with a width of 80.

Fixed-length stanchion

EA-1350F

Technical drawing of the Fixed-length stanchion EA-1350F. The top view shows a long profile with a total length of "Nach Vorgabe" (as specified) and a main section length of 2000. The height is 106. The side view shows a cross-section with a width of 96 and a central slot with a width of 80. The end view shows a tapered profile with an angle of 33°.

Article Numbers: ECCO STEEL

Bolster



Version	Description	Dimensions (W x H)	Coating	Typ	Article-nr.	Weight (kg)
STEEL 7	Bolster for 1,0 Degress Stanchion inclination	2550 x 180	Raw	ES-4000	76838370	59
STEEL 7	Bolster for 1,0 Degress Stanchion inclination	2550 x 180	RAL	ES-4000L	76853652	59
STEEL 9	Bolster for 2,0 Degress Stanchion inclination	2550 x 180	Raw	ES-4100	76846444	71
STEEL 9	Bolster for 2,0 Degress Stanchion inclination	2550 x 180	RAL	ES-4100L	76845567	71

Please specify the desired RAL colour when placing your order.

Stanchions

Version	Description	Loading height(H) [mm]	Coating	Typ	Article-nr.	Weight (kg)
STEEL 7	Fixed-length stanchion, screw-mounted, incl. screws and disc springs	2200 – 2800	RAL 3002 	ES-1300F	76829956	35
STEEL 7	Fixed-length stanchion, screw-mounted, with Adapter for EXTE, Stanchions pockets, incl. screws and disc springs	2200 – 2800	RAL 3002 	ES-1300FE	76789564	36
STEEL 7	Telescopic stanchion, screw-mounted, retracted Loading height, incl. screws and disc springs	2000	RAL 3002 	ES-1300	76786176	31
STEEL 7	Telescopic stanchion, screw-mounted, with Adapter for EXTE, Stanchions pockets, retracted Loading height, incl. screws and disc springs	2000	RAL 3002 	ES-1300E	76756394	32
STEEL 7	Telescopic stanchion, screw-mounted, long version, retracted Loading height, incl. screws and disc springs	2300	RAL 3002 	ES-1300L	76836890	34
STEEL 7	Telescopic stanchion, screw-mounted, long version, with Adapter for EXTE, Stanchions pockets, retracted Loading height, incl. screws and disc springs	2300	RAL 3002 	ES-1300LE	76854224	35
STEEL 9	Fixed-length stanchion, screw-mounted, incl. screws and disc springs	2200 – 2800	RAL 3002 	ES-1350F	76847663	40
STEEL 9	Telescopic stanchion, screw-mounted, retracted Loading height, incl. screws and disc springs	2000	RAL 3002 	ES-1350	74839877	39
STEEL 9	Telescopic stanchion, screw-mounted, long version, retracted Loading height, incl. screws and disc springs	2300	RAL 3002 	ES-1350L	74852429	43

Please specify the desired loading height when placing your order.

Please specify the desired RAL colour when placing your order.

Pockets

Description	Typ	Article-nr.	Weight (kg)
STEEL 7 Weld-in pocket	ES-1500	76789086	8
STEEL 8/9 Weld-in pocket, compatible with EXTE E144 Serie	ES-1550	74831303	8



MOUNTINGS

Version	Description	Coating	Typ	Article-nr.	Weight (kg)
STEEL 7	Clamp Bracket Fixed Build 104 mm, Steel-Bolster 7t, galvanized	Galvanized	EB-2094	76846438	10
STEEL 7	Clamp Bracket Resistance Build 104 mm, Steel-Bolster 7t, galvanized	Galvanized	EB-3100	76848831	11
STEEL 7	Clamp bracket quick build 104 mm, Steel-Bolster 7t, galvanized	RAL 9006 	EB-2800	76789571	12
STEEL 9	Clamp Bracket Fixed Build 117 mm, Steel-Bolster 9t, galvanized	Galvanized	EB-2150	76847335	10
STEEL 9	Clamp Bracket Resistance Build 117 mm, Steel-Bolster 9t, galvanized	Galvanized	EB-3300	76832590	11
STEEL 9	Clamp bracket quick build 117 mm, Steel-Bolster 9t, galvanized	RAL 9006 	EB-2600	76761382	12

Optional

Version	Description	Typ	Article-nr.
STEEL 7	Telescopic insert for ECCO Steel 7 Stanchion	ES-1320	76833781
STEEL 9	Telescopic insert for ECCO Steel 9 Stanchion	ES-1580	74832895
STEEL 7/9	Telescopic wrench for ECCO Steel Telescopic stanchion	ES-1399	74843864
STEEL 7/9	Screw set for ECCO Steel Stanchion	ES-0010	76857818

Spare parts

Description	Typ	Article-nr.	Weight (kg)
Adapter plate for Telescopic stanchion	EA-1034	74835798	0,3
Set screw for Adapter plate	EA-1341	74842422	0,2
Polyamid-Pilz for Clamp Bracket Resistance Build	EB-2013	76856039	–

Complete set: ECCO STEEL 7

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp Bracket Fixed Build	1x ES-4000L 2x ES-1300F 2x EB-2094	ES-3210	76836886	146
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp bracket resistance build	1x ES-4000L 2x ES-1300F 2x EB-3100	ES-3220	76786183	149
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp Bracket Quick Build	1x ES-4000L 2x ES-1300F 2x EB-2800	ES-3230	76853650	152
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp Bracket Fixed Build	1x ES-4000L 2x ES-1300 2x EB-2094	ES-3240	76849210	151
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp Bracket Resistance Build	1x ES-4000L 2x ES-1300 2x EB-3100	ES-3250	76847662	151
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp Bracket Quick Build	1x ES-4000L 2x ES-1300 2x EB-2800	ES-3260	76843986	154

Please specify the desired RAL colour when placing your order.

Complete set: ECCO STEEL 9

Description	Typ	Typ	Article-nr.	Weight (kg)
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp Bracket Fixed Build	1x ES-4100L 2x ES-1350F 2x EB-2150	ES-3120	76827815	177
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp bracket resistance build	1x ES-4100L 2x ES-1350F 2x EB-3300	ES-3130	76847660	178
1x Bolster coated – 2x Fixed-length stanchion – 2x Clamp Bracket Quick Build	1x ES-4100L 2x ES-1350F 2x EB-2600	ES-3140	76835878	180
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp Bracket Fixed Build	1x ES-4100L 2x ES-1350 2x EB-2150	ES-3150	76834365	175
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp bracket resistance build	1x ES-4100L 2x ES-1350 2x EB-3300	ES-3160	76852134	176
1x Bolster coated – 2x Telescopic stanchion – 2x Clamp Bracket Quick Build	1x ES-4100L 2x ES-1350 2x EB-2600	ES-3170	76831285	178

Please specify the desired RAL colour when placing your order.



Eucosteel

Eucosteel

Eucosteel

Eucosteel

Eucosteel

ECCO Steel 8

Steel-Stanchions

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ECCOSTEEL 8



ECCO STEEL 8

Steel-Stanchions



Versions:

Weight = Fixed-length stanchion pair

ECCO STEEL 8:

Load capacity of 8 Tonnes – Weight: 82 kg

ECCO Steel 8 stanchions are KTL and powder-coated in RAL 3002 as standard but can also be coated in any RAL colour of your choice.
RAL colours for labelling according to customer specifications.

Automatic latch

- The stanchions are supplied with automatic latch and are compatible with the ECCO Steel 9 bolster and weld-in pockets.



Product details:

An ECCO Steel 8 stanchion is available with automatic latch.

You can choose between a fixed-length stanchion (loading height between 2,200 – 2,800 mm) and a telescopic stanchion (standard version: 2,000 mm with telescopic insert retracted / long version: 2,300 mm with telescopic insert retracted).

ECCO STEEL 8/9 Weld-in pockets

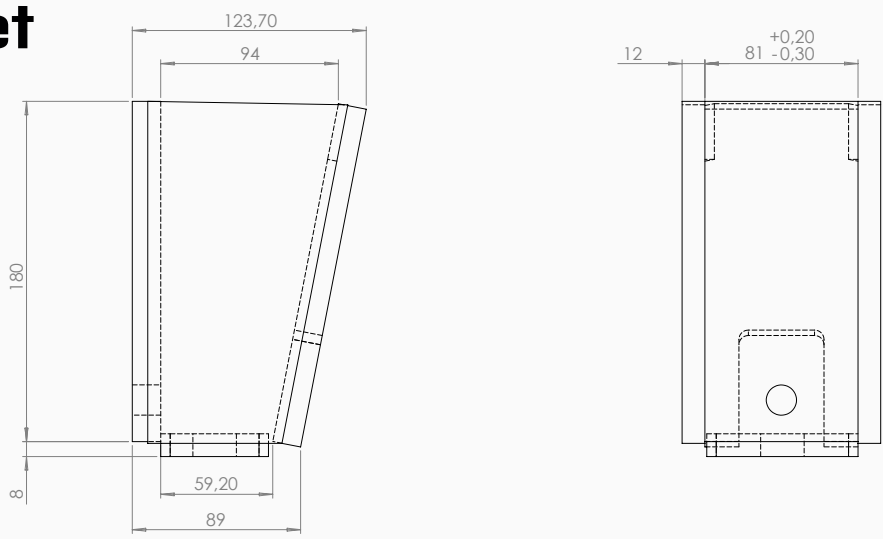


Assembly wrench

○ Optionally available



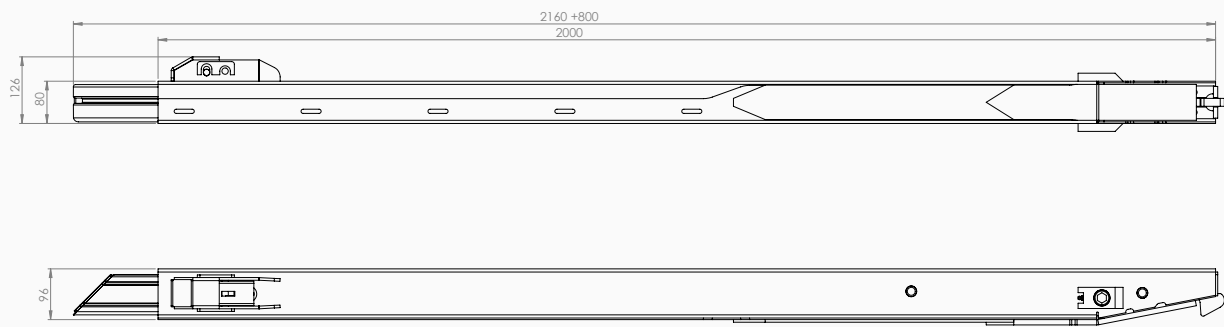
Pocket



ES-1550

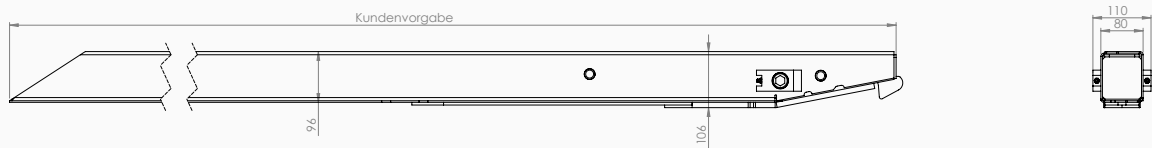
Telescopic stanchion

ES-1700



Fixed-length stanchion

ES-1700F



Stanchions

Version	Description	Loading height (H) (mm)	Coating	Typ	Article-nr.	Weight (kg)
STEEL 8	Fixed-length stanchion automatic, incl. screws and disc springs	2200 – 2800	RAL	ES-1700F	76832591	40
STEEL 8	Telescopic stanchion automatic, retracted Loading height, incl. screws and disc springs	2000	RAL	ES-1700	76866199	37
STEEL 8	Telescopic stanchion automatic, long version, retracted Loading height, incl. screws and disc springs	2300	RAL	ES-1700L	76843987	39

Pockets

Description	Typ	Article-nr.	Weight (kg)
STEEL 8/9 Weld-in pocket, compatible with EXTE E144 Serie	ES-1550	74831303	8



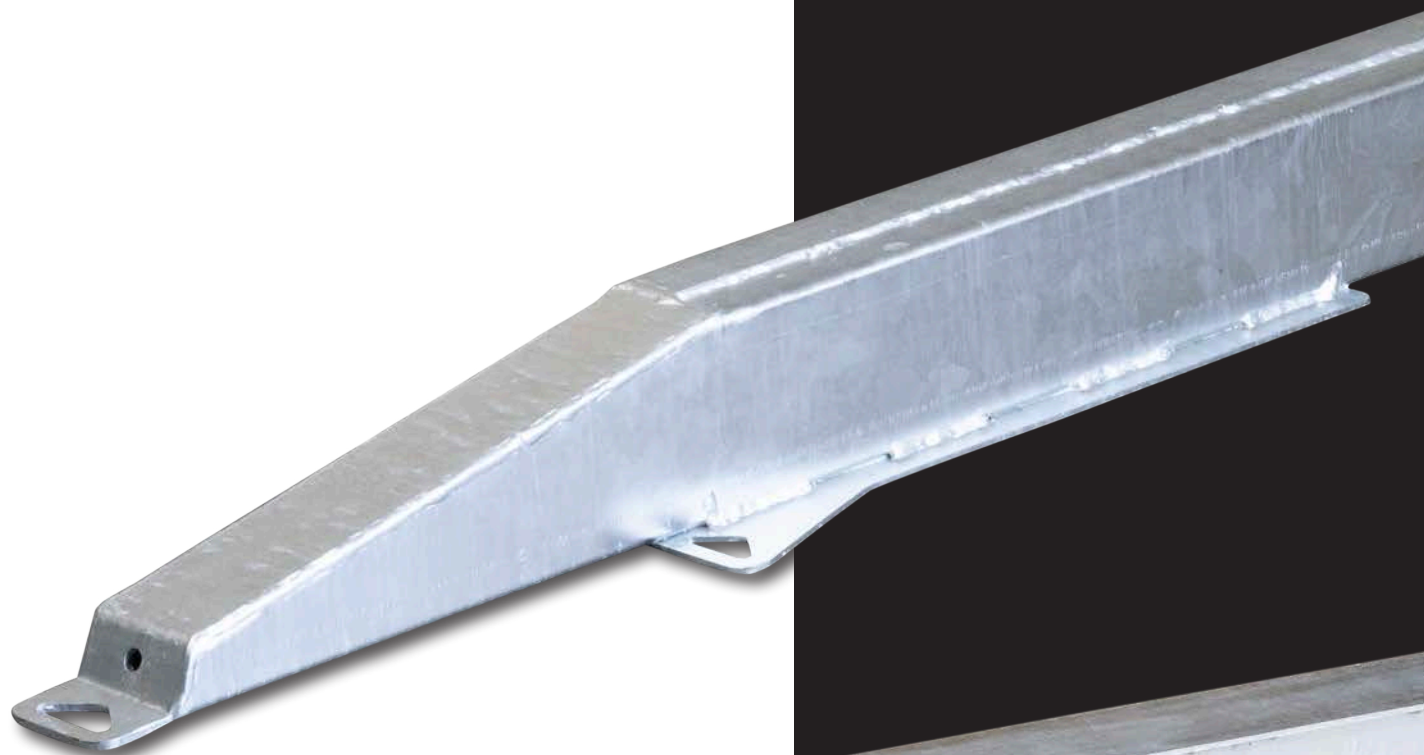
ECCO Guard rail

Stability & Material Protection

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ECCO GUARD RAIL

stability & material protection

Guard rail reinforced



Guard rail standard



Product details:

The ECCO guard rail, a proven system made of bent fine-grain steel, is welded with an additional reinforcement plate and a wide support surface to withstand even the most adverse conditions.

ECCO standard: Made of fine-grain steel - welded, specially suitable for Highlifter unloading, hot-dip galvanized, including mounting kit.

ECCO reinforced: Wider, high-strength clamp bracket, reinforced version for high loads, specially suitable for Highlifter unloading, hot-dip galvanized, including mounting kit.

ECCO Clamp bracket for Guard rail

Due to the special design of the ECCO guard rail in combination with the corresponding clamp mountings, variable installation is possible independent of the frame width.



ECCO protective bolsters are delivered galvanized.
Alternatively, ECCO protective bolsters can be KTL-coated and powder-coated in RAL colours according to customer specifications.

In addition to the standard clamp bracket, ECCO protective bolsters can be equipped with clamp bracket resistance build.



Article Numbers: **ECCO** GUARD RAIL

Guard rail standard

Version	Description	Coating	Typ	Article-nr.	Weight (kg)
Standard	Guard rail, including mounting kit	Galvanized	ES-2101	76847131	32
Standard	Guard rail, including mounting kit	RAL	ES-2102	76864239	32
Standard	Guard rail, the clamp bracket is supplied as resistance build for self-locking operation, including mounting kit	Galvanized	ES-2103	76837870	33
Standard	Guard rail, The clamp bracket is supplied as resistance build for self-locking operation. including mounting kit	RAL	ES-2104	76856461	33

Please specify the desired RAL colour when placing your order.

Guard rail standard-spare parts

Version	Description	Typ	Article-nr.	Weight (kg)
Standard	Mounting kit	ES-2110	76832369	2
Standard	Clamp piece	ES-2111	76852125	–
Standard	Lock nut	ES-2112	76866001	–
Standard	Steel screw M20x80	ES-2113	5000000143	–
Standard	Disc spring set 40x20,4x2,25	ES-2114	76798426	–

Guard rail reinforced

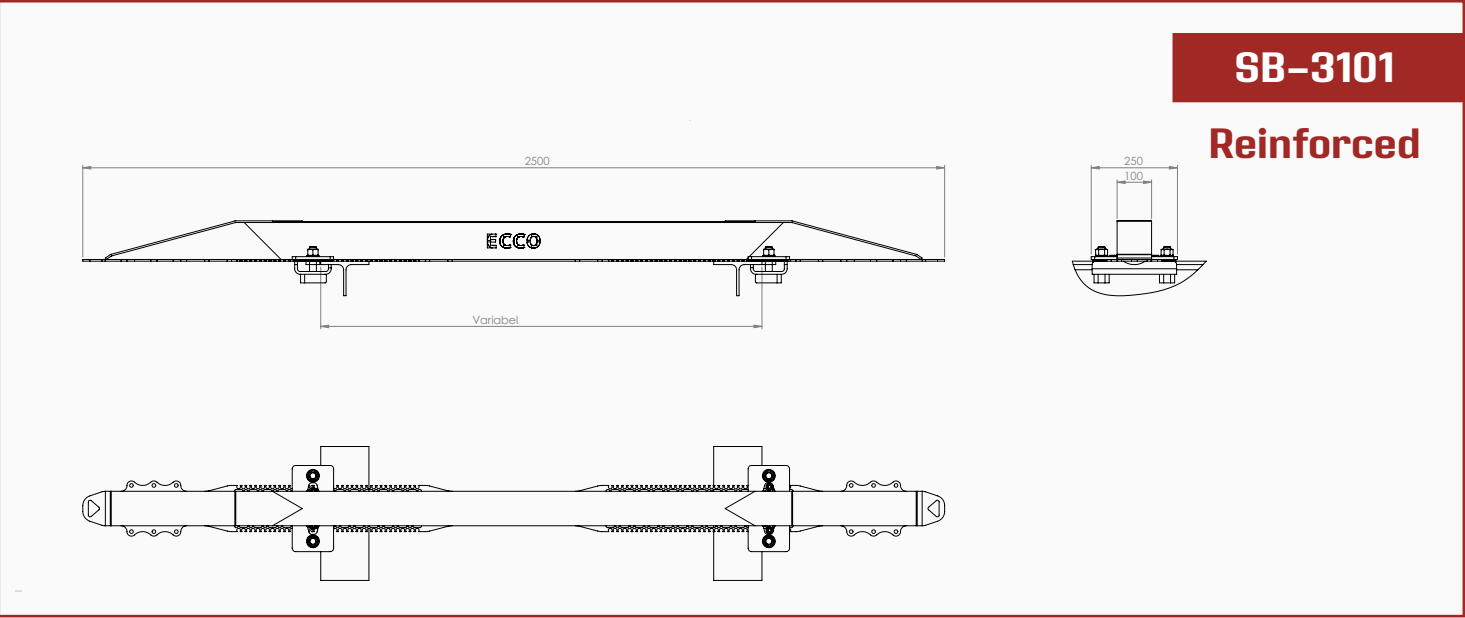
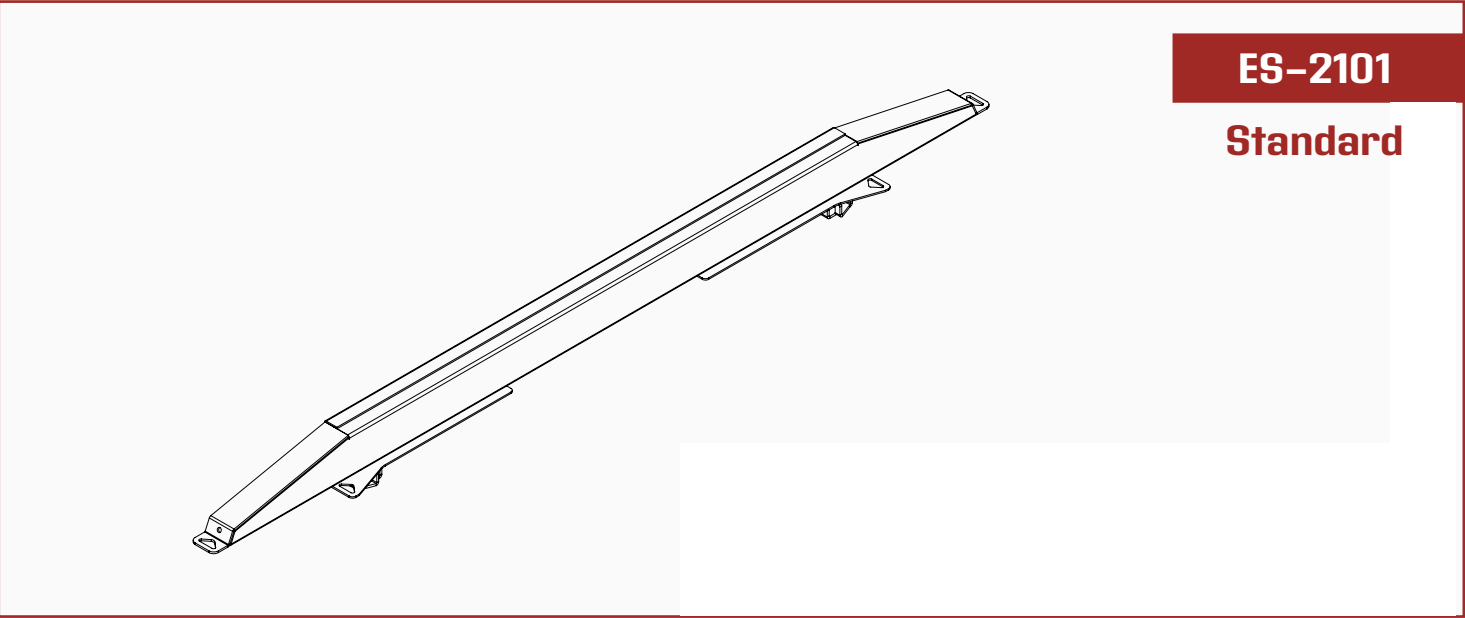
Version	Description	Coating	Typ	Article-nr.	Weight (kg)
Reinforced	Guard rail, including mounting kit	Galvanized	SB-3101	76803689	35
Reinforced	Guard rail, including mounting kit	RAL	SB-3102	76869303	35
Reinforced	Guard rail, Resistance build, including mounting kit	Galvanized	SB-3103	76866337	36
Reinforced	Guard rail, Resistance build, including mounting kit	RAL	SB-3104	76812167	36

Please specify the desired RAL colour when placing your order.

Guard rail reinforced-spare parts

Version	Description	Typ	Article-nr.	Weight (kg)
Reinforced	Mounting kit	SB-3110	76832373	3
Reinforced	Beam stop	SB-3111	76866196	–
Reinforced	Clamp plate	SB-3112	76831288	–
Reinforced	Screw set M20	SB-3113	76840352	–
Reinforced	Screw set M10	SB-3114	76847136	–
Reinforced	Clamp piece bottom	EB-2055	76847132	–

Drawing example: **ECCO** GUARD RAIL



ECCO Lashing points

durable & reliable

Overview

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ECCO Lashing points

durable & reliable



Benefits ECCO Lashing points:

- No twisting or warping of the lashing straps
- Use of lashing straps with hooks, rings, or a combination of both
- Multiple lashing straps can be attached to a single lashing combination
- Very low weight: 980 g



ECCO Lashing hook



ECCO Lashing kombi



ECCO Lashing eye

Product details:

Our lashing points for aluminium or steel bolsters are blue-passivated and made of high-strength steel. Mounting hardware is included. All lashing points comply with DIN EN 12640.

Lashing hooks, lashing eyes, and lashing combinations are manufactured for ECCO Alu and ECCO Steel bolsters and can be retrofitted at any time.

The included screw set is tailored to the specific bolster type.
Weight: approx. 900 g per unit.



Lashing points

Description	Typ	Article-nr.	Weight (kg)
Lashing hook single for welding	EB-0050	76773284	0,5
Lashing hook with Mounting plate straight, galvanized	EB-0051	76847346	0,9
Lashing hook chromate-treated with Mounting plate matching Alu Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0052	76828685	0,9
Lashing hook chromate-treated with Mounting plate matching Alu Bolster – Version right tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0053	76861732	0,9
Lashing hook chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0056	76866223	0,9
Lashing hook chromate-treated with Mounting plate matching Steel Bolster – Version right tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0057	76851842	0,9
Lashing eye chromate-treated with Mounting plate matching Alu Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0054	76855535	0,9
Lashing eye chromate-treated with Mounting plate matching Alu Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0055	76851843	0,9
Lashing eye chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0058	76847347	0,9
Lashing eye chromate-treated with Mounting plate matching Steel Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0059	76842186	0,9
Lashing kombi chromate-treated with Mounting plate matching Alu Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0062	76836241	0,9
Lashing kombi chromate-treated with Mounting plate matching Alu Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0063	76866506	0,9
Zurrrkombi chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0060	76850654	0,9
Zurrrkombi chromate-treated with Mounting plate matching Steel Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0061	76844282	0,9



ECCO SAFE

Automatic tensioner

Overview

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Article Numbers

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**ECCO
SAFE**

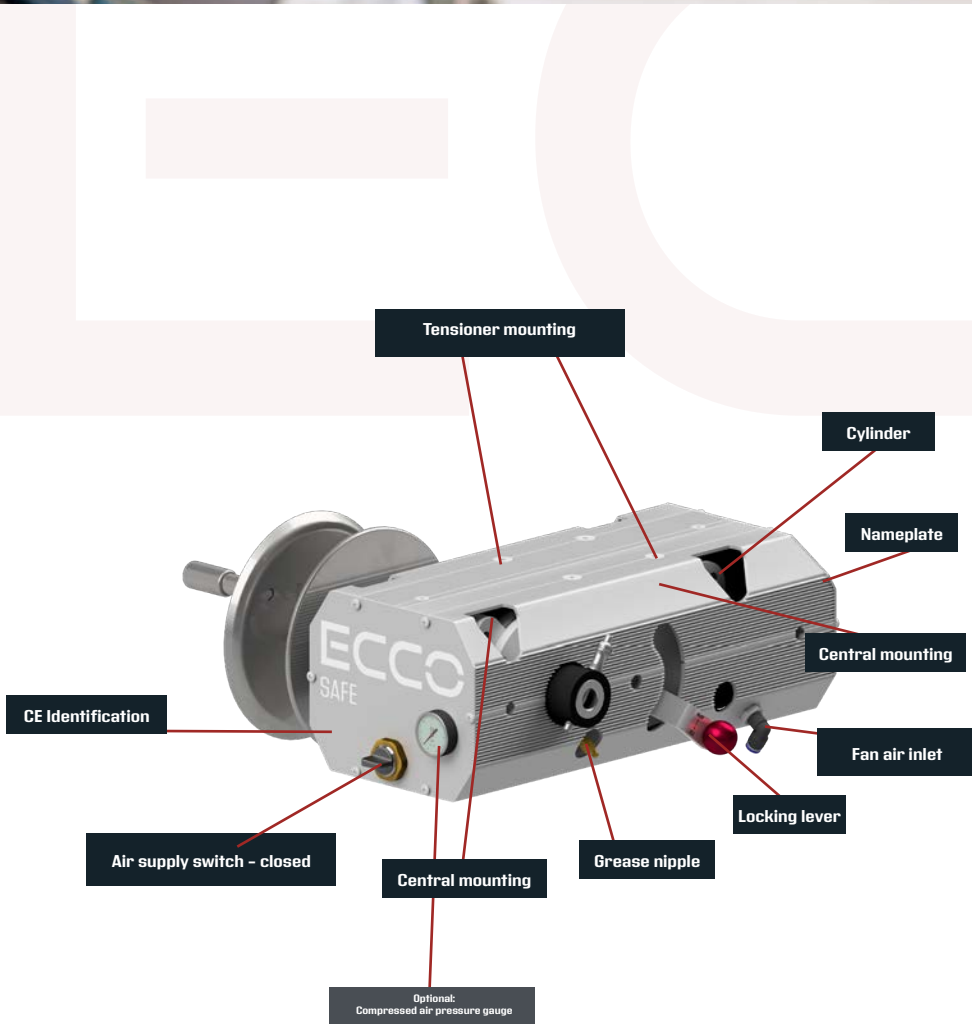
CE

ECCO SAFE 4.0

Automatic tensioner



Description	Value
Width (without shaft and drum)	254 mm
Height (without shaft and drum)	179 mm
Length (depth dimension)	560 mm
Weight (without reel roller)	12 kg
Pulling force	max. 820 daN 8,0 bar
Identification	CE
Recommended operating pressure	4,0 – 4,5 bar
Maximum operating pressure	8 bar
Air supply connection	8 x 1
Protective housing - 2-piece	Aluminium anodised
Tension housing - 2-piece	Natural aluminium
Cylinder	12" diaphragm cylinder
Shaft	Solid stainless steel
Drums	Stainless steel discs One side with flanging, suitable for chain and lashing strap
Freilon latch	Stainless steel
Air supply switch	Aluminium die-cast
Crank handle shaft	Stainless steel
Fastening elements	V2A, galvanized. zn
Internal air line	PA-KU-Rawr
Webbing (Standard: width/length)	50 mm – 900 mm 2500 daN
Alternative chain (length LC value)	6 mm Link chain 10 m 2800 daN Breaking strength



Product details:

The ECCO Safe 4.0 is a pneumatically operated automatic tensioner designed for fast and safe load securing – particularly in timber transport. Even in the event of air loss, manual operation remains possible at any time. In addition, the tensioner increases safety during lashing or eliminates the otherwise necessary re-tensioning during transport.

Thanks to its protected, anodised aluminium housing with stainless steel components, the tensioner is highly resistant to external influences and very durable. The protective housing can be replaced quickly and easily with just a few screws.

The dual drum enables the use of either webbing or chain – supplied as standard with a 9 m textile strap (2500 daN).

For weight reasons, the tensioner with its moving parts features a two-piece housing (a – shaft drive and b – valve control) made of aluminium.

All direct drive components such as cams and gears are made of hardened steel; the connectors are plug-and-play; and the internal air routing is made via PA/PU tubing. The fastening elements are made of galvanised steel, AISI 304 stainless steel, or zinc-flake-coated material depending on their position, application, and load requirements.

The ECCO Safe 4.0 tensioner offers a dual-sided shaft interface with drum. The unique dual drum is multifunctional for webbing or chain. It comes as standard with a 9 m textile strap (2500 daN), featuring a reinforced bolt sleeve and 2500 daN delta link on one side and a 300 mm sling on the other.

The webbing can be replaced with a 6 mm short-link chain (DIN 12195-3:2021).

The guide and spacer discs of the drum are made of stainless steel with reinforced flanging for high stability.

The shaft is available in various lengths and can be mounted without tools using an AISI 304 quick-release ball pin. The rotating stainless steel handle is long and easy to grip.

ECCO SAFE 4.0 stands for absolute safety in load securing during transport.



○ Shaft and Drum

The ECCO SAFE 4.0 tensioner features a dual-sided interface for mounting a shaft with drum. The unique dual drum is multifunctional for use with either webbing or chain. As standard, the drum is supplied with a textile lashing strap with a tensile strength of 2500 daN – 9 m long, equipped on one side with a reinforced bolt sleeve and a 2500 daN delta link, and on the other side with a 300 mm sling, both mounted directly on the drum.

The webbing can be replaced with a 6 mm short-link chain according to DIN 12195-3:2021, with a breaking load of 2700 daN.

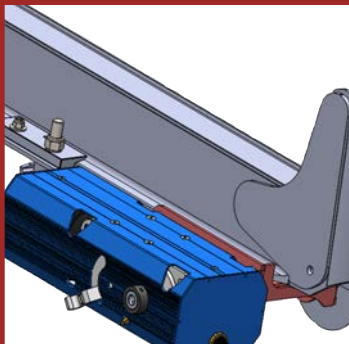
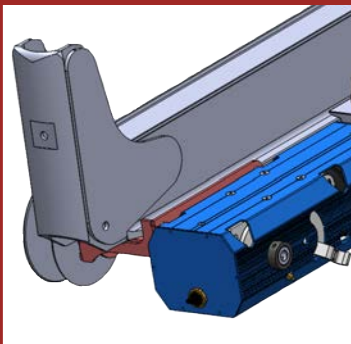
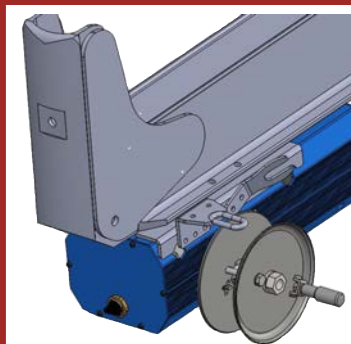
The guide and spacer discs of the drum are made of stainless steel, featuring special flanging on the outside and reinforced discs on the inside. The drum shaft itself is made from solid stainless steel. Depending on the position of the tensioner, different shaft lengths are available.

The drum shaft is connected to the tensioner using an AISI 304 quick-release ball pin, allowing for easy tool-free mounting and removal.

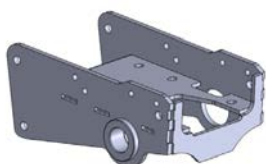
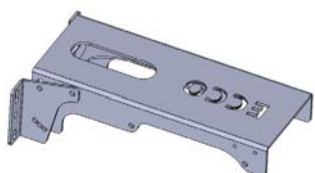
The hand grip on the shaft is rotatable, made of stainless steel, and designed with an extended shape for excellent handling.

Installation instructions and further information

The ECCO SAFE 4.0 tensioner can be mounted in various positions using different ECCO SAFE FIT mounting kits.



« TO THE INSTALLATION INSTRUCTIONS



ECCO
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SAFE 4.0

Description	Dimensions (B x H x T) [mm]	Typ	Article-nr.	Weight [kg]
SAFE 4.0 Standard Delivery note: Please order the following parts separately depending on the installation position: • Mounting kit • Winding shaft • ECCO Quick Fix rope with holder • Webbing: 50 mm – 9000 mm – 2500 daN Alternatively: • Chain: 6 mm link chain – 10000 mm – 2700 daN (lashing capacity) – 4500 daN (breaking strength)	254 x 179 x 560	ESA-40S	76511796	12
SAFE 4.0 Standard Plus Wie SAFE 4.0 Standard + pressure gauge	254 x 179 x 560	ESA-40S+	76414264	12
SAFE 4.1 Delivery note: Please order the following parts separately depending on the installation position: • Mounting kit • Winding shaft • ECCO Quick Fix rope with holder • Webbing: 50 mm – 9000 mm – 2500 daN Alternatively: • Chain: 6 mm link chain – 10000 mm – 2700 daN (LC) – 4500 daN (breaking strength)	254 x 179 x 435	ESA-41S	76874495	11
SAFE 4.1 Standard Plus like SAFE 4.1 Standard + pressure gauge	254 x 179 x 560	ESA-41S+	76819316	12



Illustration „+“ – Version

Webbing drum

Description	Typ	Article-nr.	Weight [kg]
Webbing drum V2A Short version for installation under bolster or frame, with solid stainless steel shaft, with stainless steel rotating handle, with AISI 304 quick-release ball pin for fast installation/removal, suitable for 50 mm lashing strap type BF-100 or 6 mm link chain	GT-100	76613497	1,5
Webbing drum V2A long version for side installation on the bolster, with solid stainless steel shaft, with stainless steel rotating handle, with AISI 304 quick-release ball pin for fast installation/removal, suitable for 50 mm lashing strap type BF-100 or 6 mm link chain	GT-200	76815001	1,9

when using link chain, mounting kit KE-111 is required.

Mounting kit

Description	Typ	Article-nr.	Weight (kg)
Mounting kit for automatic tensioner 4.0 V2A for installation below the ECCO bolster or the guard rail, including strap guide and hook holder, including AISI 304 screw set, complete	HS-100	76822497	5
Mounting kit for automatic tensioner 4.0 V2A for side installation on the ECCO bolster, including strap guide and hook holder, including AISI 304 screw set, complete	HS-200	76506998	8
Mounting kit for automatic tensioner 4.0 V2A for installation on the vehicle frame, including screw set for automatic tensioner, without frame mounting hardware	HS-300	76821897	7
Anschweißhalter for Spanner 4.0 V2A for installation on an existing crossmember or outrigger, including AISI 304 screw set, complete	HS-400	76847951	5



SAFE Accessories

Description	Typ	Article-nr.	Weight (kg)
Strap guide with AISI 304 mounting kit for bolting to mounting kits	GUF-100	76814702	0,2
Hook holder with AISI 304 mounting kit for bolting to mounting kits	HTH-100	76857595	0,3
Lashing strap 9 m - LC 25 kN Hook: yellow Webbing width: 50 mm Length: 9000 mm Suitable for: ECCO SAFE 4.0 and ECCO lashing winch ZW 100 Loose end: with 500 mm protective sleeve, transparent PVC Lashing capacity (LC): 2500 daN End fitting: D-shackle, steel Sling type: B, length 300 mm Tapered sling end: 1/1	BF-100	76416997	1,5
Link chain 6 mm - 10000 mm 2700 daN - lashing capacity - 4500 daN breaking strength	KE-100	-	7
Chain mounting kit for 6 mm chain for installation on the webbing drum	KE-111	-	0,2
Chain hook Yellow with shackle	KE-120	76465795	0,3
Chain hook Red holder for chain hook	KE-130	74923114	0,3
Quick Fix Holder Stainless steel with pull rope Left version, tested according to DIN/EN 12640:2020-5 - 2500 daN	Quickfix left	76530198	1
Quick Fix Holder Stainless steel with pull rope Right version, tested according to DIN/EN 12640:2020-5 - 2500 daN	Quickfix right	76818396	1
Quick Fix Holder Stainless steel with pull rope Universal version, tested according to DIN/EN 12640:2020-5 - 2500 daN	Quickfix uni	76872902	1
Shut-off valve with accessories	ASHKIT	76854047	0,5
Pressure relief valve kit for 2 tensioners	DBV-KIT 2S	76875088	1,2
Pressure relief valve kit for 4 tensioners	DBV-KIT 4S	76851373	2
Compressed air pressure gauge	-	-	0,1



SAFE Accessories

Description	Typ	Article-nr.	Weight (kg)
Lashing hook single for welding	EB-0050	76773284	0,5
Lashing hook with Mounting plate gerade galvanized	EB-0051	76847346	0,9
Lashing hook chromate-treated with Mounting plate matching aluminium bolster – left version – tested according to DIN EN 12640:2020-5 – 3000 daN	EB-0052	76828685	0,9
Lashing hook chromate-treated with Mounting plate matching aluminium bolster – right version – tested according to DIN EN 12640:2020-5 – 3000 daN	EB-0053	76861732	0,9
Lashing hook chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0056	76866223	0,9
Lashing hook chromate-treated with Mounting plate matching Steel Bolster – Version right tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0057	76851842	0,9
Lashing eye chromate-treated with Mounting plate matching aluminium Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0054	76855535	0,9
Lashing eye chromate-treated with Mounting plate matching aluminium Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0055	76851843	0,9
Lashing eye chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0058	76847347	0,9
Lashing eye chromate-treated with Mounting plate matching Steel Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0059	76842186	0,9
Lashingkombi chromate-treated with Mounting plate matching Alu Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0062	76836241	0,9
Lashingkombi chromate-treated with Mounting plate matching Alu Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0063	76866506	0,9
Lashingkombi chromate-treated with Mounting plate matching Steel Bolster – Version left – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0060	76850654	0,9
Lashingkombi chromate-treated with Mounting plate matching Steel Bolster – Version right – tested according to DIN EN 12640/2020-5 – 3000da/N	EB-0061	76844282	0,9
Quick Fix Stainless steel holder with pull rope Version left tested according to DIN/EN 12640/2020-5 – 2500da/N	Quickfix left	76530198	1
Quick Fix Stainless steel holder with pull rope Version right tested according to DIN/EN 12640/2020-5 – 2500da/N	Quickfix right	76818396	1
Quick Fix Stainless steel holder with pull rope Version universal tested according to DIN/EN 12640/2020-5 – 2500da/N	Quickfix uni	76872902	1

SAFE Spare parts

Description	Article-nr.
Air supply rotary regulator	74739954
Locking lever with screw	76855514
Red knob for locking lever	76829958
Stainless steel rotating handle for drum	76829958
Quick-release ball pin	76829958
Safety cable with retaining clip	76829958
Diaphragm cylinder	76829958

SAFE WINCH

Description	Typ	Article-nr.	Weight (kg)
Lashing Winch ZW 100 Manual lashing winch with hand crank for load securing in accordance with DIN/EN 12195 Robust, welded design Black coated Spring-loaded locking function Rewind drum for 10 m webbing Including 9 m wear-resistant lashing strap BF-100 with triangle hook Abrasion protection sewn into the sling Label with mechanical values and standard tension force (STF), sewn into a protective cover with an additional protective sleeve slid over it. Webbing width: 50 mm Webbing: lashing capacity LC 2500 daN, breaking strength BF 5000 daN in straight pull Webbing colour: yellow	ZW-100	74909614	11
Mounting kit for lashing winch ZW 100 Installation position: under bolster or guard rail, with screw set Galvanized version	HSZW-100	76863629	1,5



ZW 100



ECCO LIGHT BODY

Power meets precision

Overview 98 – 99

Drawings 100

Article Numbers 101 – 102





ECCO LIGHT BODY

Power meets precision



The ELB-2000 installation kit prepares your truck chassis for the toughest applications, with well-engineered technology and maximum load capacity.

Included in the kit:

- 2× aluminium auxiliary frames made from special aluminium extruded profiles (standard with a height of approx. 190 mm and a length of 8,000 mm)
- 3× Z-crossmembers, galvanised
- 1× diagonal cross brace made of steel, galvanised
- 10× shear-resistant plates, galvanised
- 2× elastic shear connections
- 1× front end crossmember, galvanised
- 2× crane brackets, KTL-coated, optionally in RAL colour according to customer request
- 1× anodised aluminium front wall, made from a single-sided reinforced aluminium hollow profile
- 2× aluminium front wall stanchions
- 1× screw set for front wall and shear plate installation
- 1× aluminium smooth sheet 5 mm (alternatively aluminium chequer plate 5/6.5 mm or plastic cover plate)
- 2× broom & shovel holders



Z-crossmember with plastic strip

A comprehensive range of accessories is available for all ECCO Light Bodies.

Product details:

The ECCO Light Body installation kit ELB-2000 is specifically designed for mounting onto a truck chassis equipped with a rear-mounted crane.

It consists of a high-quality aluminium auxiliary frame set made from robust extruded profiles with a height of 190 mm (or 160 mm) and a length of 8,000 mm. This is supplemented by bolt-mounted steel Z-crossmembers in a galvanised version, fitted with plastic strips to provide optimal support for the cover plate. For clean and organised routing of hydraulic lines, mounting points for clamps are already integrated into the stanchions.

Additional stabilisation is provided by a galvanised steel diagonal cross brace that extends to the next drive axle and is equipped with shear-resistant plates for mounting the auxiliary frame. Elastic shear connectors at the front of the auxiliary frame ensure a durable and load-appropriate connection. The front end crossmember is equipped with stanchion pockets designed to accommodate the aluminium front-wall stanchions. The crossmembers themselves are manufactured in a galvanised version, while the front-wall stanchions are made of strong aluminium.

The aluminium front wall type SW-1100 is anodised and manufactured from a single-sided reinforced aluminium hollow profile. It is fully enclosed with an all-around edge profile, and additional aluminium reinforcement strips ensure secure bolting to the front-wall stanchions. The front wall is completely bolted and is angled upward by 1° on both sides (optional 90° version). Stanchions and front wall are firmly bolted together, ensuring maximum stability.

The system is completed by precisely fitting crane consoles, manufactured from a solid upper flange with a lateral shear plate. These are delivered fully welded and KTL-coated, ensuring maximum stability and durability in daily operation.

The scope of delivery also includes a screw set for mounting the front wall and shear plates, a 5 mm aluminium smooth sheet between the auxiliary frame profiles with a length of approx. 7,000 mm (alternatively available as a plastic cover plate or 5/6.5 mm aluminium chequer plate), as well as a practical broom and shovel holder.

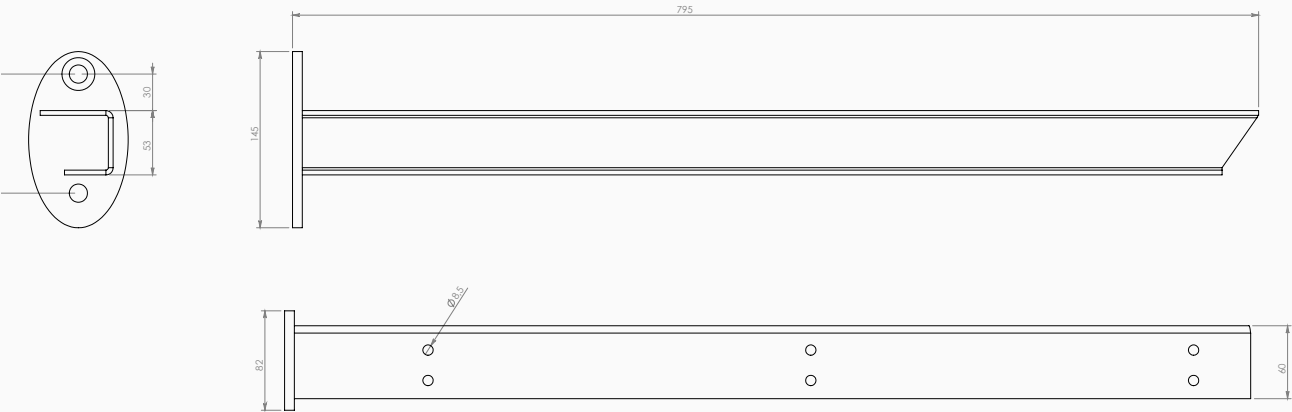


cover plates between the longitudinal beams are supplied in smooth aluminum sheet (standard), but are also optionally available in aluminum tread plate or plastic.



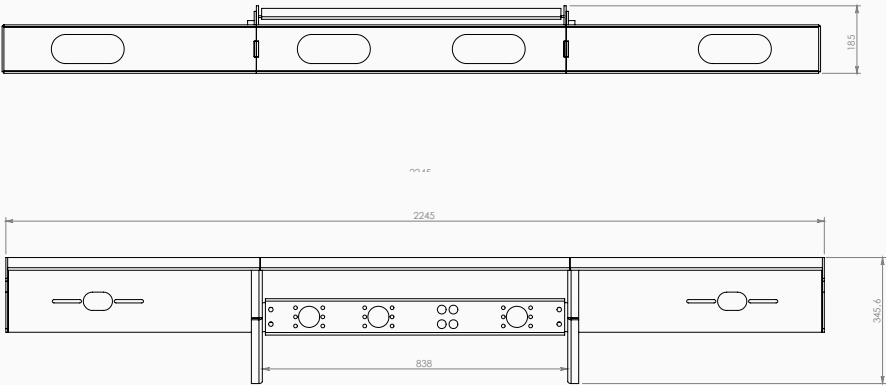
Outrigger

ELA-1020/ELA-1030



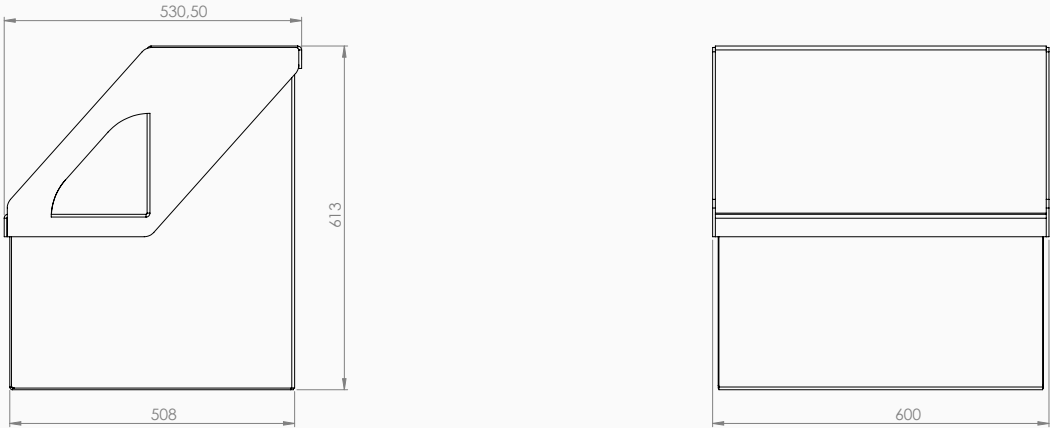
Lighting carrier

ELB-1210



Step box

ELB-7060



Mounting kit: **ECCO** LIGHT BODY (190)

Version	Description	Typ	Article-nr.	Weight (kg)
LIGHT BODY	Mounting kit kpl. Universal	ELB-2000	76740278	760
LIGHT BODY	Mounting kit kpl. 190 DAF	ELB-2000-190DAF	76844666	790
LIGHT BODY	Mounting kit kpl. 190 DB	ELB-2000-190DB	76861706	790
LIGHT BODY	Mounting kit kpl. 190 Ford	ELB-2000-190FORD	76849044	790
LIGHT BODY	Mounting kit kpl. 190 MAN	ELB-2000-190MAN	76857811	790
LIGHT BODY	Mounting kit kpl. 190 Renault	ELB-2000-190REN	76789085	790
LIGHT BODY	Mounting kit kpl. 190 Scania	ELB-2000-190SCANIA	76850545	790
LIGHT BODY	Mounting kit kpl. 190 Volvo	ELB-2000-190VOLVO	76849209	790

Mounting kit: **ECCO** LIGHT BODY (160)

Version	Description	Typ	Article-nr.	Weight (kg)
LIGHT BODY	Mounting kit kpl. 160 DAF	ELB-2000-160DAF	76822933	760
LIGHT BODY	Mounting kit kpl. 160 DB	ELB-2000-160DB	76851648	760
LIGHT BODY	Mounting kit kpl. 160 Ford	ELB-2000-160FORD	76822932	760
LIGHT BODY	Mounting kit kpl. 160 MAN	ELB-2000-160MAN	76837978	760
LIGHT BODY	Mounting kit kpl. 160 Renault	ELB-2000-160REN	76848832	760
LIGHT BODY	Mounting kit kpl. 160 Scania	ELB-2000-160SCANIA	76761387	760
LIGHT BODY	Mounting kit kpl. 160 Volvo	ELB-2000-160VOLVO	76856538	760

Accessories: **ECCO** LIGHT BODY

Description	Typ	Article-nr.	Weight (kg)
Standard outrigger right, new version	ELA-1020	76789655	
Standard outrigger left, new version	ELA-1030	76840494	
Outrigger with shear plates, right	ELA-1040	76847654	
Outrigger with shear plate, left	ELA-1050	76855518	
Broom & shovel holder	ELB-1010	76838366	1
Wedge & U-shaped bracket for crane securing	ELB-1110	76833782	
Snow chain holder	ELB-1120	76831289	
Holder for spring tines, right and left	ELB-1130	76826669	
Lighting carrier, galvanised, with socket plate, grating step and 2 welded brackets, 3-piece bolt-mounted	ELB-1210VZ	76786178	45
Lighting carrier, raw, with socket plate, grating step and 2 welded brackets, 3-piece bolt-mounted	ELB-1210Raw	76841775	43
Access ladder, 3-step, galvanised, with screw set	ELB-7050	76834359	11
Step for access ladder	ELB-7053	76847435	2
Aluminium step box, W: 600 mm, H: 600 mm, D: 500 mm	ELB-7060	74739836	22
Aluminium step box, W: 500 mm, H: 600 mm, D: 500 mm	ELB-7061	74570575	19
Aluminium step box, W: 400 mm, H: 600 mm, D: 500 mm	ELB-7062	76851349	17
Aluminium step box, W: 800 mm, H: 600 mm, D: 500 mm	ELB-7063	74584268	25
Bracket for step box, galvanised (1 set = 2 pieces)	ELB-7070	73938637	17
Step for step box, galvanised	ELB-7071	74691220	
Transverse storage box W: 2,430 mm, H: 360 mm, D: 560 mm	ELB-8010	74844120	85

Further accessories
available on request!



ECCO FRONT WALL

Article Numbers

106



ECCO

FRONT WALL

Description	Typ	Article-nr.	Weight (kg)
Anodised front wall, made from a single-sided reinforced aluminium hollow profile, fully enclosed with an all-around edge profile. Dimensions according to agreement. 2× aluminium reinforcement strips for bolting to the front-wall stanchions. Front wall fully assembled in bolted version. Inclined upward by 1° on both sides, or alternatively straight upward at 90°, including mounting screw set.	SW-1100	76849531	130
Natural-finish front wall, made from a single-sided reinforced natural aluminium hollow profile, fully enclosed with an all-around edge profile. Dimensions according to agreement. 2× aluminium reinforcement strips for bolting to the front-wall stanchions. Front wall fully assembled and welded. Inclined upward by 1° on both sides, or alternatively straight upward at 90°.	SW-1200	76832589	125

Please specify version and dimensions when ordering

Available on request with KTL coating and powder coating

Front wall option

Description	Typ	Article-nr.	Weight (kg)
Bent sheet metal "ECCO" in the upper front-wall area	SW-0010	without	130
Air vents in the upper front-wall area	SW-0020	without	
Tubes in the upper front-wall area	SW-0030	without	
Custom-designed upper front-wall section according to customer requirements	SW-0040	without	

If required, please specify options when placing the order.

Accessories

Description	Typ	Article-nr.	Weight (kg)
Aluminium front-wall stanchions, total height 2200-2800 mm according to customer specifications	SW-1010	76803688	25
Front crossmember	SW-1020	76838991	
Combination pocket for front crossmember	SW-1030	76866395	

ECCO

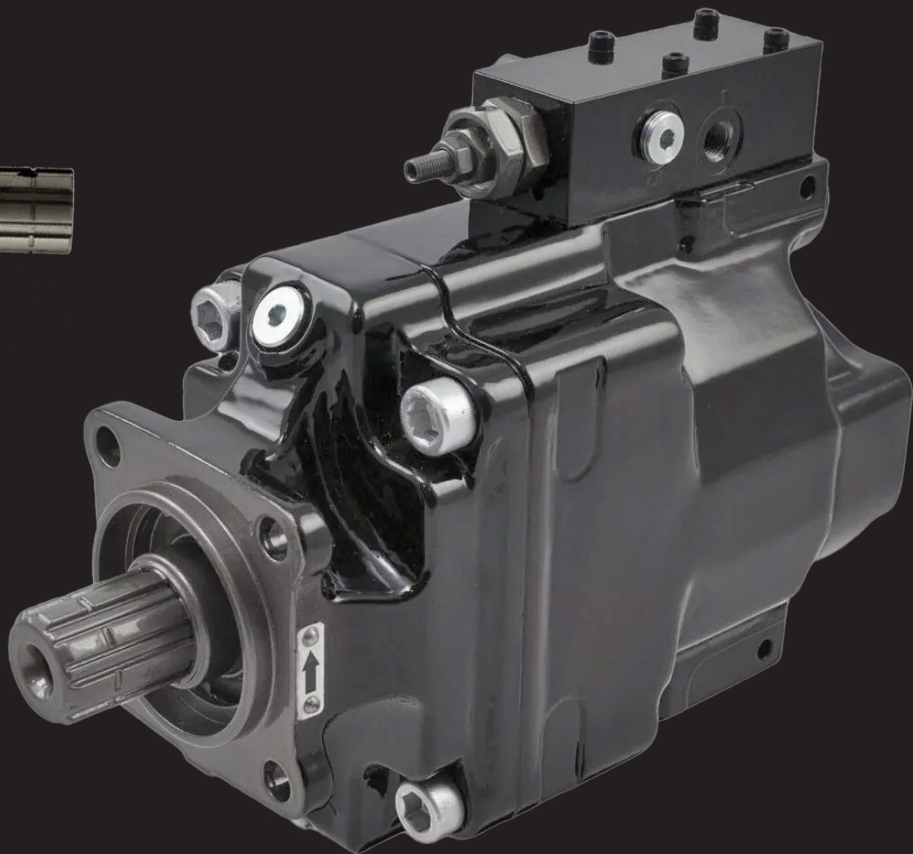
ECCO HYDRAULIC

Tanks, hydraulic pumps & axial piston pumps

Article Numbers

110 – 114





Hydraulic tanks

Description	Dimensions (W x H x D) [mm]	Article-nr.	Weight (kg)
Aluminium sloped-shoulder hydraulic tank for side-mounted installation Special version for timber loading crane, 250 litres with vented filler cap with brackets, tensioning straps and rubber pads with three return connections 1/2" at the rear with two suction connections 3" at the rear with oil level indicator, 285 mm long with temperature indicator (thread M12, hole spacing 254 mm) without return filter	906 x 577 x 637	74844271	44
Aluminium sloped-shoulder hydraulic tank for side-mounted installation Special version for timber loading crane, 200 litres with brackets, tensioning straps and rubber pads with top cover with 1" connection on top with optional 2x leakage oil connections 3/8" on top with optional 2x leakage oil connections 3/8" on bottom with suction connections 2" at the rear and bottom without return filter	726 x 577 x 637	74596891	41,5

Accessories

Description	Article-nr.	Weight (kg)
Return filter HOF3310 - 300 l/min (W x H): 186 mm x 495 mm Hole pattern: 25 mm x 125 mm Bolt circle: 175 mm 4-hole mounting flange on tank with 2 connections 1 1/2" female with 2 connections 1/8" female for pressure gauge without pressure switch with diffuser Filter fineness: 10 µm Flow capacity: 300 l/min with HLP46 hydraulic oil	1000 2230 0710	5,4
Return filter P25 OMTF171C25NA for mounting on the tank with bypass valve in the filter element Housing material: aluminium (W x H): 175 mm x 323 mm Filter elements made of cellulose (filter paper) with 10 or 25 µm filter fineness Opening pressure of bypass valve: 1.7 bar Max. operating pressure: 8 bar Temperature range: -25 °C to +110 °C Suitable for hydraulic oils based on mineral oil Flow rate: 240 l/min	74591155	2,7
Shut-off valve female/male thread 2" BSP, single	200427240000	1,8
Elbow 90° stainless steel 2 1/2" female - 2 1/2" male	74861449	1
Reducer stainless steel 3" male - 2 1/2" female	74835008	0,40
Reducer stainless steel 3" male - 2" female	74863750	0,45
Hexagon stainless steel blind plug 3"	201716070000	0,70

HYDRAULIC PUMPS / AXIAL PISTON PUMPS (SINGLE)

Description	Typ	Article-nr.	Weight (kg)
Bosch Rexroth hydraulic pump 80 l/min at 1,000 rpm left-hand rotation (rotation reversible) Suction port thread: 1 1/4" Pressure port thread: 1"	A17F0080	KFA80	13,5
Parker hydraulic pump 80 l/min at 1,000 rpm left-hand rotation (rotation reversible) Inlet connection for suction stub Outlet connection: 1" Power: 105 kW	F-81-L	74609452	12,5
Parker hydraulic pump 80 l/min at 1,000 rpm right-hand rotation (rotation reversible) Inlet connection for suction stub Outlet connection: 1" Power: 105 kW	F-81-R	73950206	12,5
Sunfab hydraulic pump 80 l/min at 1,000 rpm right-hand rotation (rotation reversible) Inlet connection for suction stub Outlet connection: 1"	084L	1330002058	13,9

HYDRAULIC PUMPS / AXIAL PISTON PUMPS (TWIN - DUAL-CIRCUIT)

Description	Typ	Article-nr.	Weight (kg)
Dual-circuit pump Parker Left-hand rotation (rotation not reversible) 2 × 68 l/min at 1,000 rpm Inlet connection for suction stub Outlet connection: 2 × 3/4" Operating pressure: 300 bar	F2-70/70-L	73964751	19
Dual-circuit pump Parker right-hand rotation (rotation not reversible) 2 × 68 l/min at 1,000 rpm Inlet connection for suction stub Outlet connection: 2 × 3/4" Operating pressure: 300 bar	F2-70/70-R	74600578	19

HYDRAULIC PUMPS / VARIABLE-DISPLACEMENT PUMPS (LOAD SENSING)

Description	Typ	Article-nr.	Weight (kg)
Variable-displacement pump Parker (displacement 130 L) left-hand rotation (rotation not reversible) Designed for trucks with load-sensing hydraulic systems Variable displacement - robust construction despite compact and lightweight design High efficiency, even at low temperatures Outlet connection: 1" Inlet connection: clamp system	VP1-130-L	73979221	27
Variable-displacement pump Parker (displacement 130 L) right-hand rotation (rotation not reversible) Designed for trucks with load-sensing hydraulic systems Variable displacement - robust construction despite compact and lightweight design High efficiency, even at low temperatures Outlet connection: 1" Inlet connection: clamp system	VP1-130-R	73951104	27
Variable-displacement pump Leduc (displacement 130 L) Left-hand rotation (rotation not reversible) Integrated flow and pressure control system (load sensing); delivery volume adapts automatically to hydraulic system demand Very compact size allows direct mounting to the engine drive or PTO Slow or fast movements can be controlled with high precision due to continuous flow adjustment Outlet connection: 1" Inlet connection: 1 1/2"	TXV-130L	74863139	28
Variable-displacement pump Leduc (displacement 130 L) Right-hand rotation (rotation not reversible) Integrated flow and pressure control system (load sensing); delivery volume adapts automatically to hydraulic system demand Very compact size allows direct mounting to the engine drive or PTO Slow or fast movements can be controlled with high precision due to continuous flow adjustment Outlet connection: 1" Inlet connection: 1 1/2"	TXV-130R	74866932	28
Variable-displacement pump Leduc (displacement 150 L) Left-hand rotation (rotation not reversible) Integrated flow and pressure control system (load sensing); delivery volume adapts automatically to hydraulic system demand Very compact size allows direct mounting to the engine drive or PTO Slow or fast movements can be controlled with high precision due to continuous flow adjustment Outlet connection: 1" Inlet connection: 1 1/2"	TXV-150L	74855910	28,5
Variable-displacement pump Leduc (displacement 150 L) Right-hand rotation (rotation not reversible) Integrated flow and pressure control system (load sensing); delivery volume adapts automatically to hydraulic system demand Very compact size allows direct mounting to the engine drive or PTO Slow or fast movements can be controlled with high precision due to continuous flow adjustment Outlet connection: 1" Inlet connection: 1 1/2"	TXV-150R	74854749	28,5

HYDRAULIC PUMP ACCESSORIES

Description	Article-nr.	Weight (kg)
Suction fitting Parker 50 (2")	73946400	0,5
Suction fitting Parker 50 (2") 45°	73970246	0,56
Suction fitting Parker 50 (2") 90°	74631360	0,6
Suction fitting Parker 63 (2,5")	73971738	0,56
Suction fitting Parker 63 (2,5") 45°	225225670000	0,62
Suction fitting Parker 63 (2,5") 90°	73969835	0,66
Suction fitting Parker 75 (3")	76416212	0,74
Suction fitting Parker 75 (3,5") 45°	215225110000	0,80
Suction fitting Parker 75 (3,5") 90°	225225120000	0,86
Suction fitting stub 50 (1 1/4") straight	74468930	0,4
Suction fitting stub 50 (1 1/4") 45°	74219013	0,6
Suction fitting stub 50 (1 1/4") 90°	74471014	1
Suction fitting stub 50 (2")straight	200225141000	0,4
Suction fitting stub 50 (2") 90°	74592555	1,1
Suction fitting stub 60 (1 1/4")straight	206025100000	0,5
Suction fitting stub 60 (1 1/4") 45°	206026100000	0,6
Suction fitting stub 60 (1 1/4") 90°	206027100000	1,5
Suction fitting stub 60 (2")straight	74558267	0,5
Suction fitting stub 60 (2") 90°	74623133	2,4
Suction hose Ø 50 mm on Length á 2000 mm	74614924	3
Suction hose Ø 50 mm on Length á 5000 mm	74608857	7,5
Suction hose Ø 60 mm on Length á 2000 mm	74463452	3,2
Suction hose Ø 60 mm on Length á 5000 mm	74559207	7,8
Hose clamp for 50 mm Suction hose	4850060391	0,6
Hose clamp for 60 mm Suction hose	74610543	0,6

HYDRAULIC COOLER

Description	Typ	Article-nr.	Weight (kg)
Oil cooler TT 16 rail Consisting of: • Oil-air cooler, max. 26 bar • Motor power 11.4 A - 0.3 kW - 24 V • Fan unit 24 V DC, protection class IP 68 • Temperature sensor • Control unit potted in plastic housing, protection class IP 67 • Protective housing, 3 mm steel, black painted • Internal bypass 5 bar • Oil inlet/outlet 1 1/4"	KR TT BP 16	74869717	15
Oil cooler ASA0177 24 V DC, bypass GT 3.5 bar Oil-air cooler with internal bypass with protective housing, speed control and inrush current limitation	ASA 0177	2018 0117 0000	24,8
Connection NG 40 - G 1 1/2" Universal connector, nominal size 40 Connection: G 1 1/2" suitable for ASA0177 with 3 cylinder-head screws with O-ring 44 x 3		201701090000	0,3



Rückansicht



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**In the end, your own judgment counts:
Just come to Lindern
and experience the quality for yourself.**

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