



PRODUCT CATALOGUE

F. Hesterberg & Söhne GmbH & Co. KG

THE COMPANY		5
COMPONENTS		7
TARPAULIN TENSIONER Curtainsider	TensionMaster II	9
PILLARS Curtainsider	Vario-/SlimMaster 900, 901, 904, 905	13
	VarioMaster 902, 903	17
	Curtainsider pillar system 951	31
PILLARS Flatbed superstructure	SolidMaster 801	37
	SolidMaster 802	47
ROOF HEIGHT ADJUSTMENT SYSTEMS Curtainsider	LiftMaster mechanical 750N	72
	LiftMaster mechanical 770N	73
	LiftMaster hydraulic 771N	74
	LiftMaster hydraulic 855N	75
LOAD SECURING AID Curtainsider & Flatbed superstructure	CargoMaster 501, 502	82
	VarioSave	86
FASTENERS Curtainsider	Espagnolette lock LockMaster 709	89
FASTENERS Box van	Surface-mounted fastener LockMaster 890	93
	Built-in fasteners LockMaster 891, 888	98

FASTENERS Flatbed superstructure	Long-range fasteners 710, 712, 715	113
	Corner system 720	119
	Flat-bolt fasteners 680, 682, 686	121
	Tension-bolt fasteners 681	124
FASTENERS Tipper	Elbow-handle fastener 6121N	127
	Universal fastener 603	128
	Eccentric fasteners 6043, 60450	129
	Pendulum fasteners 662, 664N	132
HINGES Box van	Box van hinge HingeMaster 895	137
HINGES Flatbed superstructure	Dropside hinges 654N, 655N, 656N, 657	139
INDEX		142
	Cross-reference-index Hesterberg > BPW	142
	Cross-reference-index BPW > Hesterberg	149

WE ARE PLEASED TO WORK FOR YOU!

Traditional company and trendsetter, all in one

Hesterberg is one of the leading international manufacturers and suppliers of trailer superstructure and fastening systems with more than 230 years of tradition. The Hesterberg headquarter is in Ennepetal, Germany. This is where the ideas are developed and the products manufactured. Customers around the globe trust our products because of their reliability.

Security under the sign of the pigeon Our trademark since 1895

Our customers have associated quality products "Made in Germany" with the HESTAL brand name for many decades. They value the know-how and innovative product developments we have achieved over the years. Our roots go back to the 18th century. In 1780 the production of steel products for agricultural use was the cornerstone, the distribution of agriculture fasteners under the sign of the pigeon in 1895 a milestone.



In 1956 the trademark – HESTAL – was created, representing the company Hesterberg and its products.

Customer in focus

The fulfilment of customer needs and requirements plays a central role in our company principles. Therefore, we are fully committed to meet your high expectations in our products continuously.



HESTERBERG AS MOBILITY AND SYSTEM PARTNER OF THE TRANSPORT INDUSTRY

As a partner of the transport and logistics industry and member of the BPW group, we support you with tailor-made solutions that help you fulfil your transport order as efficiently as possible. With durable products and comprehensive services, we as a mobility partner help vehicle operators to make the whole loading and transport process safer and more efficient.

And as a system partner for vehicle manufacturers, we supply everything that optimises the vehicles and the production process. With Hesterberg as a system partner, you get everything from a single source. The products perfectly match and function together to offer the greatest possible benefit to the customer. During the development of our holistic systems and components, we pay particular attention to the demands and needs of the transport operators to enable them to fulfil their transport orders safely and efficiently.

And we have just one goal:

To always offer you exactly the solution that pays off for you in the end.

In concrete terms that means for our partners:

Individual consulting and development of components

High-quality system solutions

Customer-oriented supply concepts supporting your production process

To achieve this we offer uncompromising quality for high reliability and long service life, weight and time-saving concepts for lower operating and maintenance costs and personal after-sales service.

A complete portfolio based on the modular principle guarantees you the greatest possible flexibility: from individual components that represent the highest quality and reliability, through to complete, intelligent systems and user-friendly solutions.

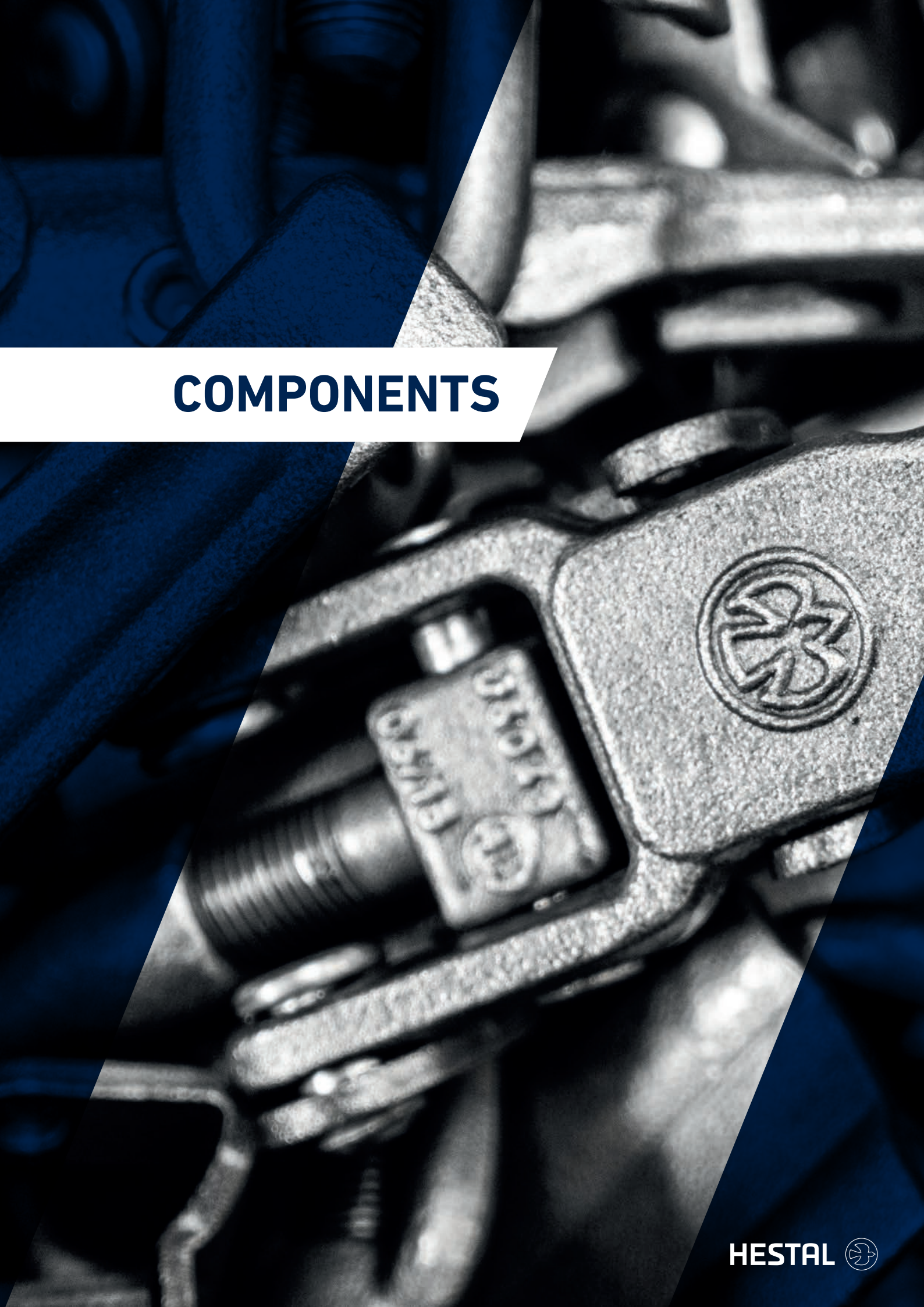
The brands of the BPW Group:



HBN-Teknik AS

HESTAL



A close-up, black and white photograph of a mechanical component, likely a valve or actuator, with a circular logo embossed on its side. The component is metallic and shows signs of wear. The background is dark and out of focus, with blue diagonal overlays. A white banner with the word 'COMPONENTS' in bold, dark blue capital letters is positioned across the middle of the image.

COMPONENTS

OVERVIEW



➤ HESTAL *TensionMaster II*

[Back to table of content](#)

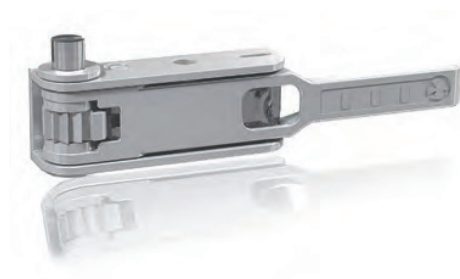
HESTAL *TensionMaster II*

The TensionMaster is a tarpaulin tensioner with simple operation and compact design.

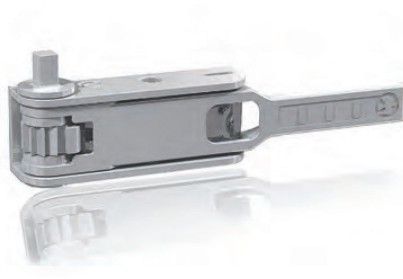
Technology

- › Quick and easy screw assembly
- › Available with slotted shaft or squared shaft
- › Simple untightening of the tarpaulins (no additional holding of the retainer necessary)
- › Only high-strength materials are used for production
- › Optional: Customs cover cap

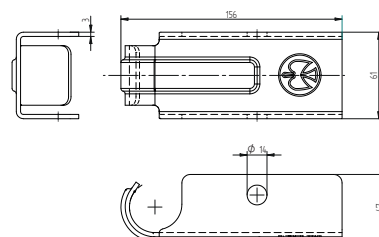
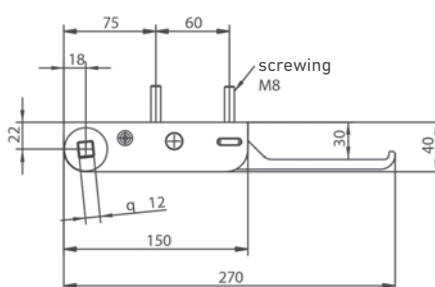
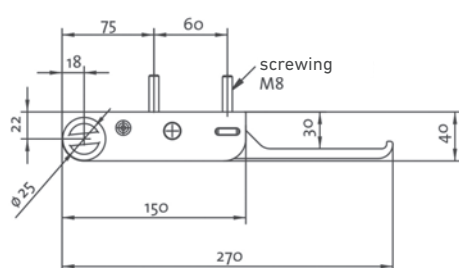
With slotted shaft



With squared shaft



Customs cover cap



HESTAL *TensionMaster II* – INDIVIDUAL COMPONENTS

Description	Weight [kg]	Article No.
TensionMaster II with slotted shaft for tube Ø 35 mm Left side Right side	1,40	6.141.204.98 6.141.203.98
TensionMaster II with squared shaft for tube Ø 27 mm Left side Right side	1,40	6.141.202.98 6.141.201.98
Customs cover cap	0,07	6.141.201.97
TM II main body with transport lock	1,40	6.141.200.99

HESTAL *TensionMaster II* – SPARE PART SETS

Description	Weight [kg]	Article No.
Installation set for squared shaft version Squared tensioner shaft M washer Rivet Untightening sticker German Untightening sticker English Installation instructions Operation sticker Ziplock bag	1,20	6.850.052.00
Installation for slotted shaft version Slotted shaft M washer Rivet Untightening sticker in German Untightening sticker in English Installation instructions Operation sticker Ziplock bag	1,20	6.850.053.00

OVERVIEW



- **HESTAL Vario-/SlimMaster 900, 901, 904, 905**
- **HESTAL VarioMaster 902, 903**
- **Curtainsider pillar system 951**

HESTAL Vario-/SlimMaster 900, 901, 904, 905

The HESTAL pillar system Vario-/SlimMaster 900, 901, 904 and 905 is used as middle pillar for curtainsider vehicles.

Technology

- › Robust, secure, and positive-fit connection to the outer frame by means of a pillar bearing
- › The connection between CS pillar and outer frame is like a fixed bearing connection, creating a stable and high-strength CS pillar system
- › Double safeguard of the mechanics
- › Internal load height > 3m possible
- › Top trolleys and telescope can be used for a wide range of roof rails
- › Pockets positionable in 5mm steps
- › All components are KTL coated
- › Pillar bearings for bolting and welding
- › Adjustable fastening system allows driving with a lifted roof (under consideration of legal regulations)
- › DEKRA tested and certified

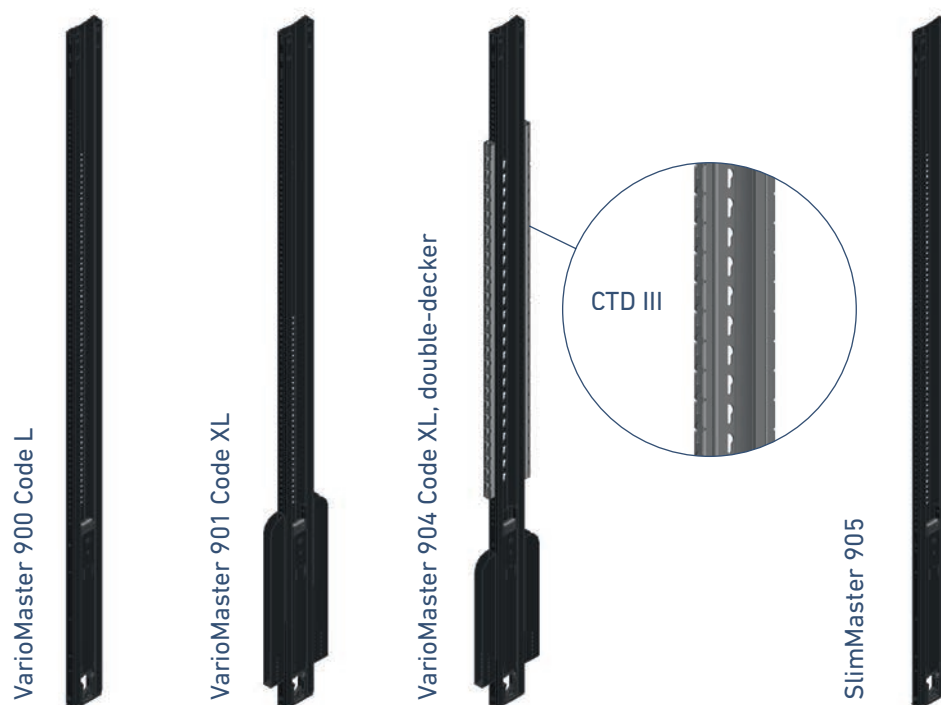
Versions

- › VarioMaster 900 "Code L" to DIN EN 12642
- › VarioMaster 901 "Code XL" to DIN EN 12642
- › VarioMaster 904 double-decker "Code XL" to DIN EN 12642
- › VarioMaster 905 SlimMaster "Code XL" to DIN EN 12642

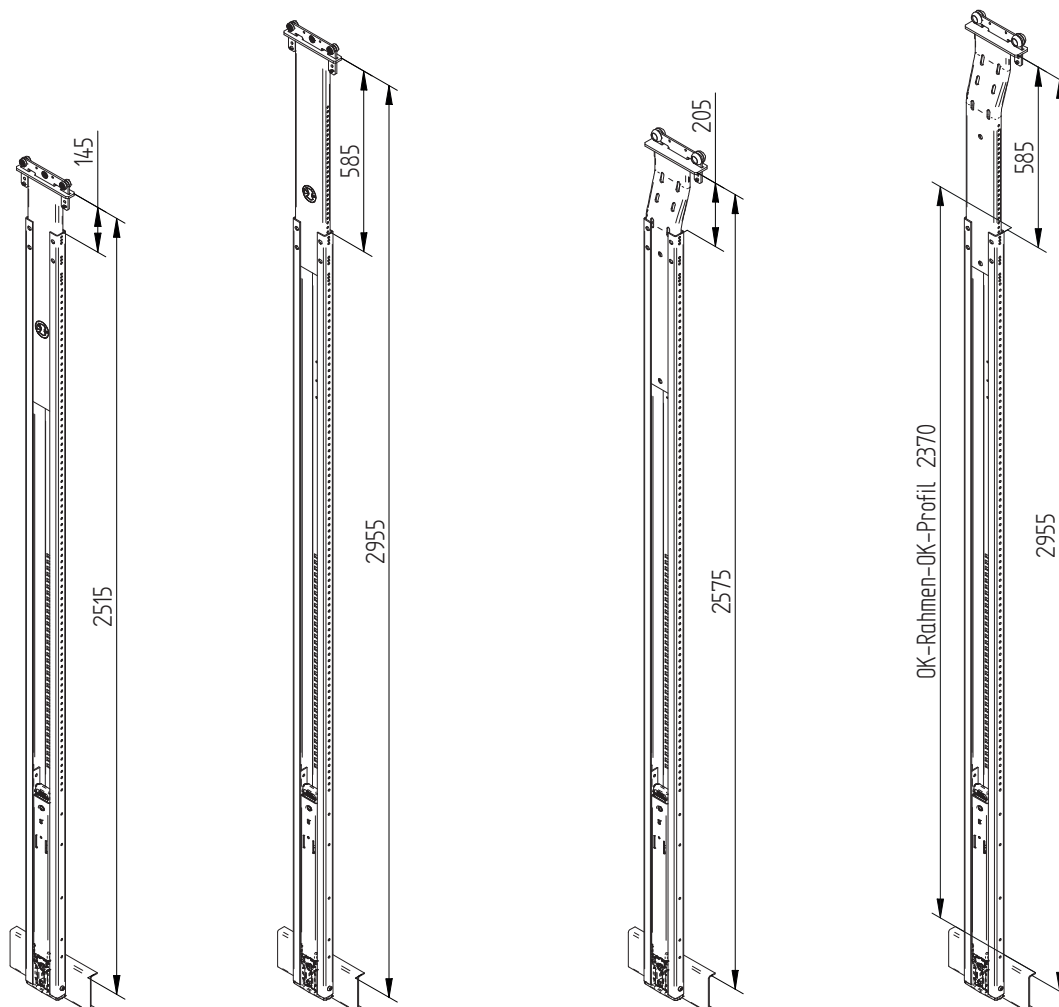
Accessories

Attached

HESTAL Vario-/SlimMaster 900, 901, 904, 905



Description	Weight [kg]	Article No.
CS pillar 900 Code L with slat stowages, without pockets	21,60	6.800.197.00
CS pillar 900 Code L without slat stowages, without pockets	19,50	6.800.175.00
CS pillar 901 Code XL with slat stowages, without pockets	23,10	6.800.198.00
CS pillar 901 Code XL with long slat stowages, without pockets	22,50	6.800.265.00
CS pillar 901 Code XL without slat stowages, without pockets	21,00	6.800.174.00
CS pillar long 901 Code XL with slat stowages, without pockets	24,70	6.800.212.00
CS pillar long 901 Code XL with long slat stowages, without pockets	23,20	6.800.259.00
CS pillar long 901 Code XL without slat stowages, without pockets	22,60	6.800.211.00
CS pillar 904 Code XL (double-decker) with slat stowages and CTD III perforated rails	27,50	6.800.216.00
CS pillar 904 Code XL (double-decker) without slat stowages, without perforated rail	21,00	6.800.206.00
SlimMaster 905	14,50	6.800.353.00

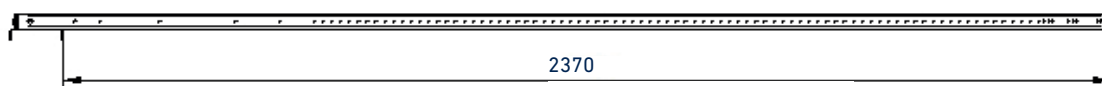
HESTAL Vario-/SlimMaster 900, 901, 904, 905

with straight top trolley
representation of min. length

with straight top trolley
representation of max. length

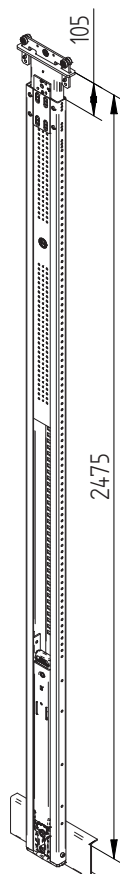
with cranked top trolley
representation of min. length

with cranked top trolley
representation of max. length

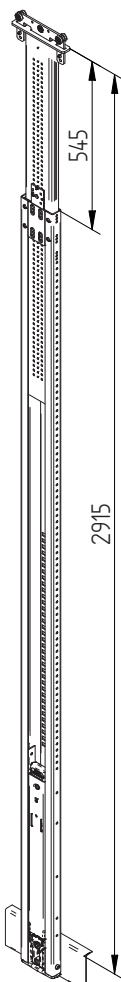


SlimMaster 905

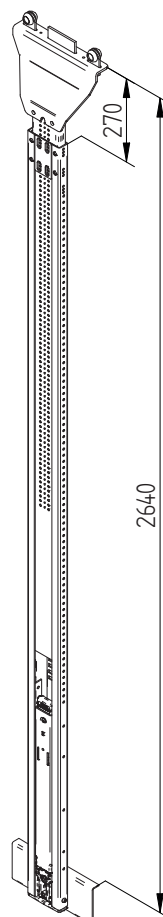
[Back to table of content](#)

HESTAL VarioMaster 900, 901, 904

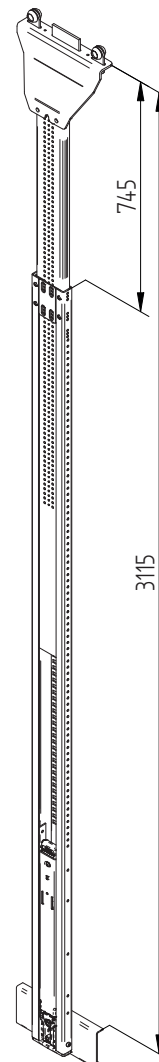
with straight telescope
representation of max. length



with straight telescope
representation of max. length



with cranked telescope
representation of min. length



with cranked telescope
representation of max. length

HESTAL VarioMaster 902, 903

The HESTAL pillar system VarioMaster 902 and 903 is used as middle pillars for curtainsider vehicles.

Technology

- › Robust and versatile connections to the outer frame
- › The connection between CS pillar and outer frame is like a floating bearing connection
- › Individual positioning of the VarioMaster on the outer frame (except for single pillar bearings)
- › Internal load height 2500mm to 3100mm
- › Top trolleys and telescopes can be used for a wide range of roof rails
- › Pockets positionable in 5mm steps
- › All components are KTL coated
- › Single pillar bearings for bolting and welding
- › Screw-on protection profile for aluminium frame
- › DEKRA tested

Versions

- › VarioMaster 902 "Code L" to DIN EN 12642
- › VarioMaster 903 "Code L" to DIN EN 12642

HESTAL *VarioMaster* 902, 903

VarioMaster 902 Code L

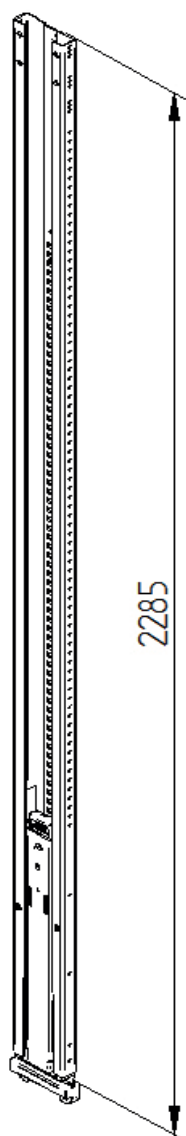
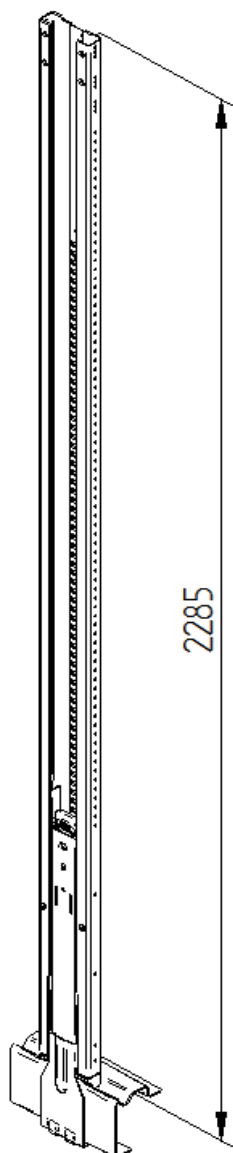
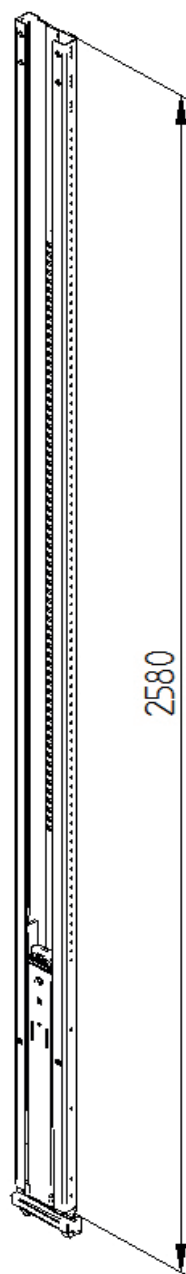
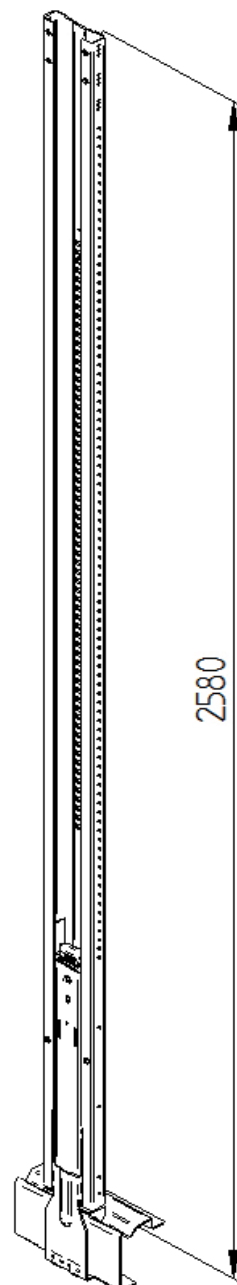


VarioMaster 903 Code L

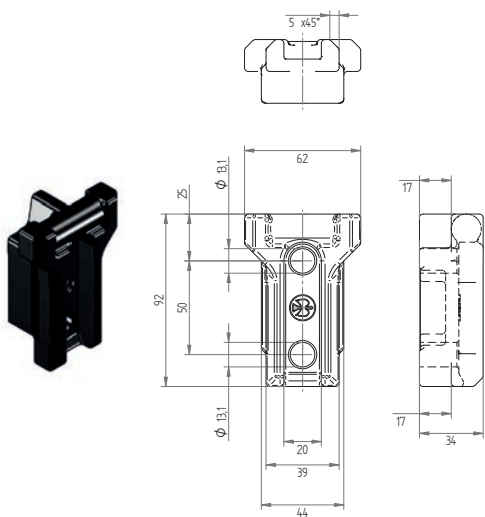
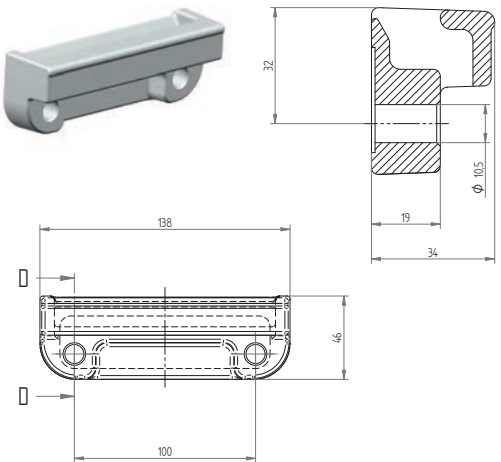
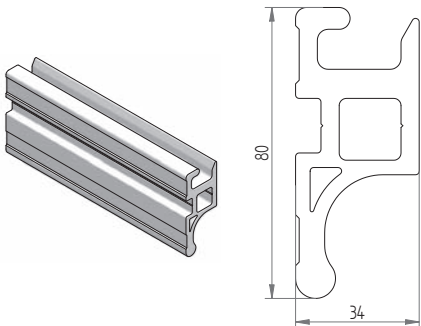


Description	Weight [kg]	Article No.
CS pillar 902 - short without pockets, without slat stowages	15,80	6.800.182.00
CS pillar 902 - long without pockets, without slat stowages	17,35	6.800.183.00
CS pillar 903 - short without pockets, without slat stowages	16,46	6.800.184.00
CS pillar 903 - long without pockets, without slat stowages	18,01	6.800.185.00

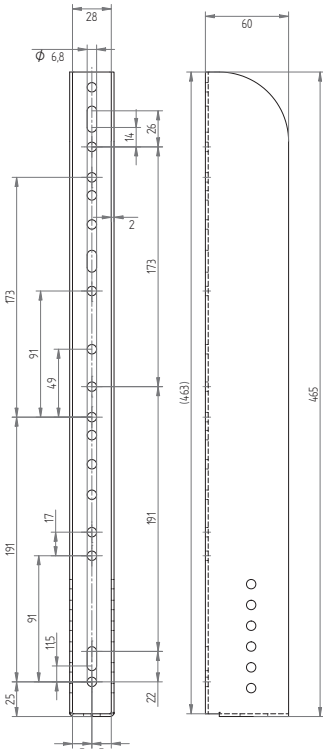
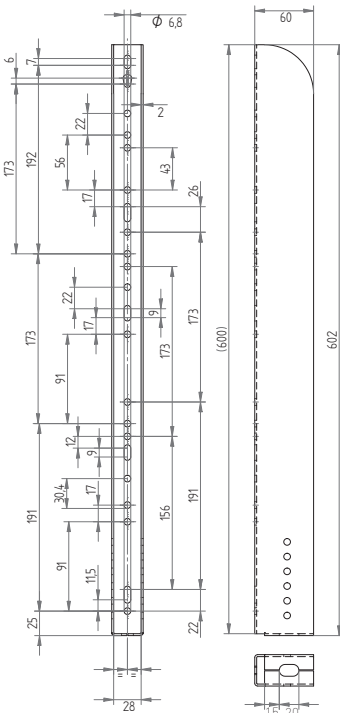
HESTAL VarioMaster 902, 903

CS pillar 902
shortCS pillar 903
shortCS pillar 902
longCS pillar 903
long

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Pillar bearing 910.1 M12 raw M12 KTL M14 raw M14 KTL	0,61	6.090.151.98 6.090.151.99 6.090.220.98 6.090.220.99
	Single pillar bearing 902	0,61	6.090.121.99
	Ram protection profile 902 6800mm	19,80	6.090.116.68

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
 	Slat stowage 465mm	1,03	6.800.174.09
 	Slat stowage 600mm	1,37	6.800.182.09

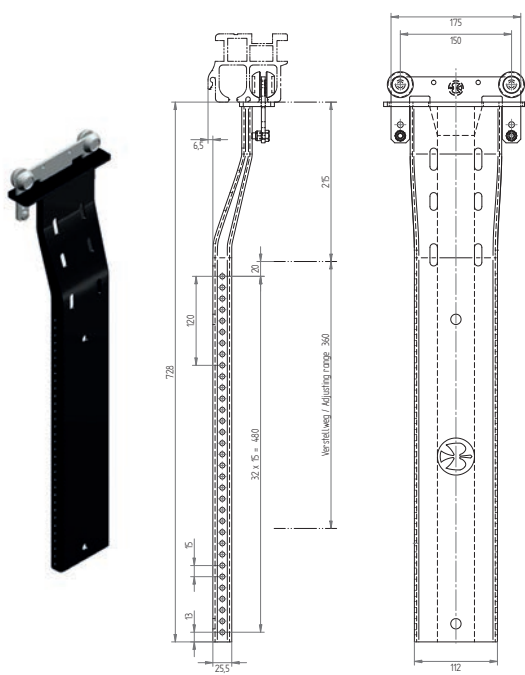
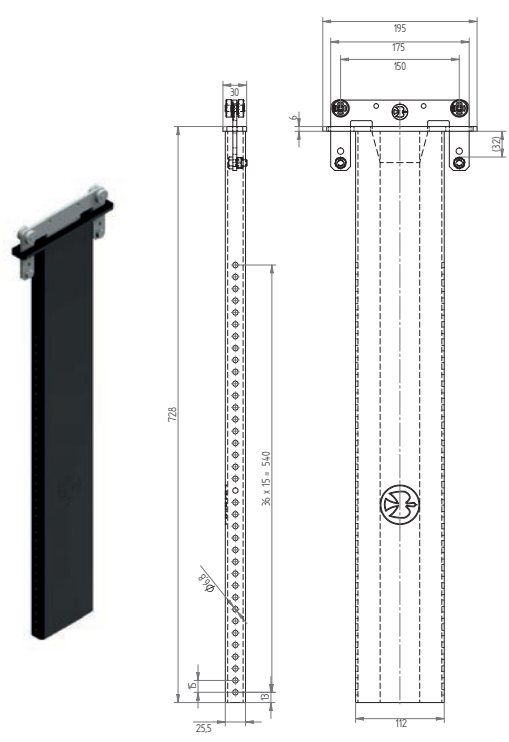
HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

[illegible]

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – Accessories

[illegible]

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – Accessories

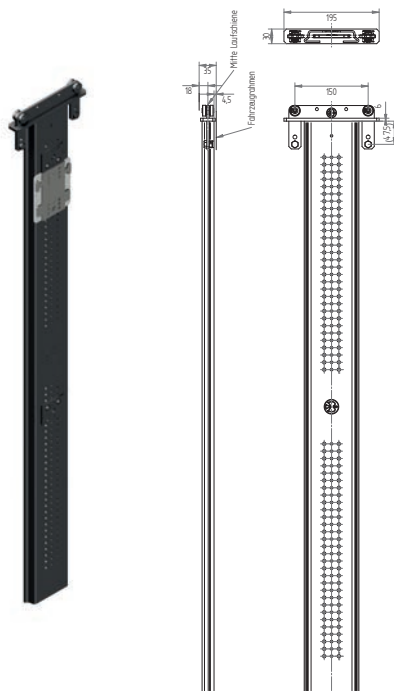
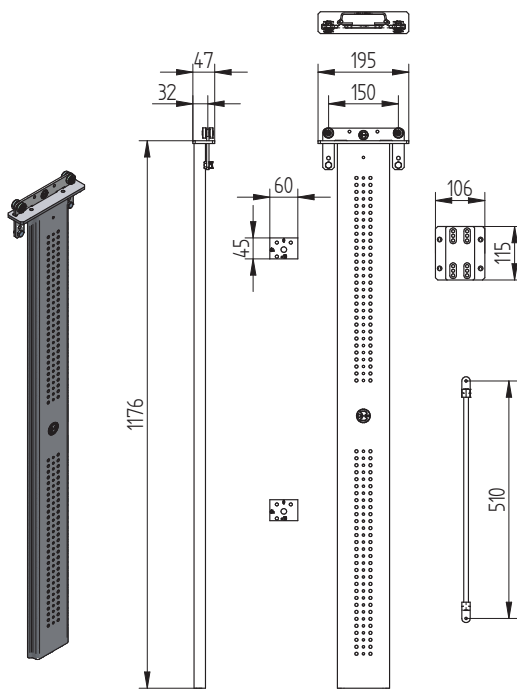
Figure	Description	Weight [kg]	Article No.
	Top trolley, cranked	4,46	6.090.153.00
	Top trolley, straight	4,08	6.090.154.00

[Back to table of content](#)

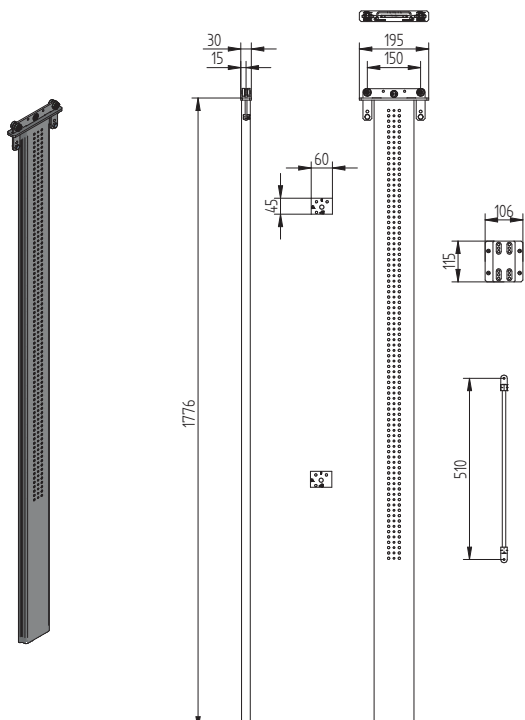
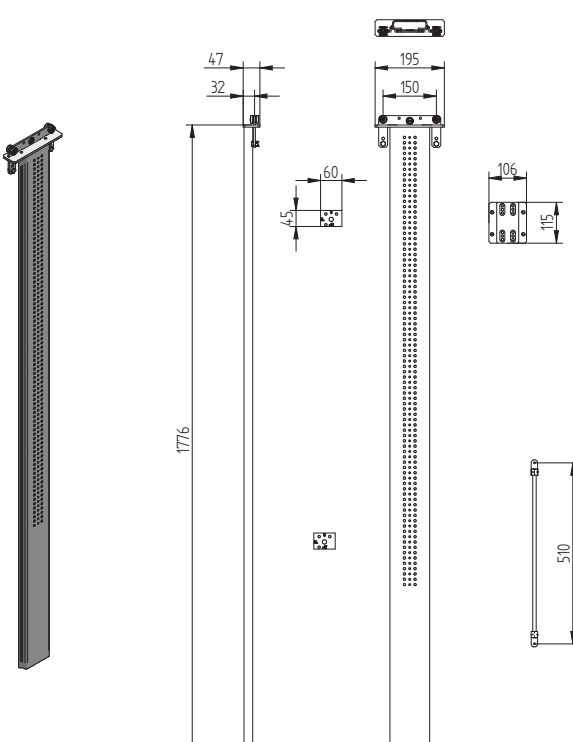
HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Top trolley, offset	4,48	6.090.157.00
	Reinforcing profile for XL pillars in combination with a trolley	3,49	6.800.174.12

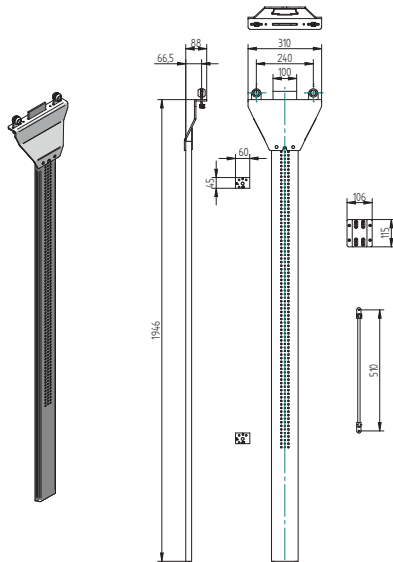
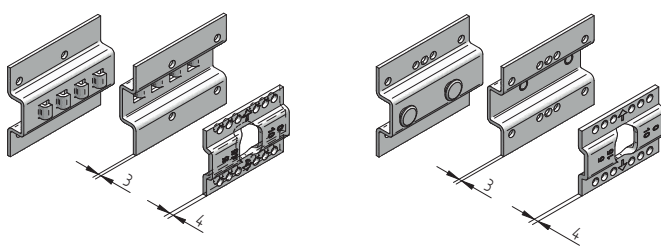
HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Telescope 912.1 Short	6,50	6.090.155.00
	Telescope 912.2 Short – offset rollers	7,60	6.090.159.00

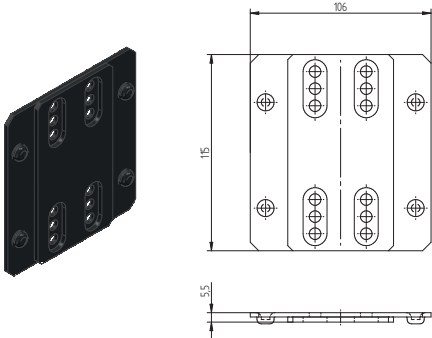
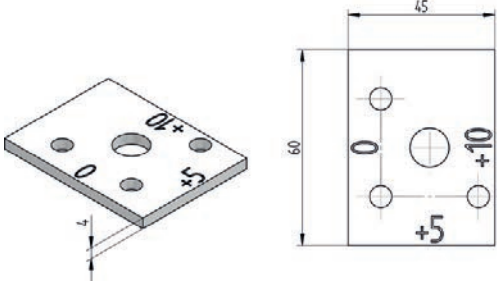
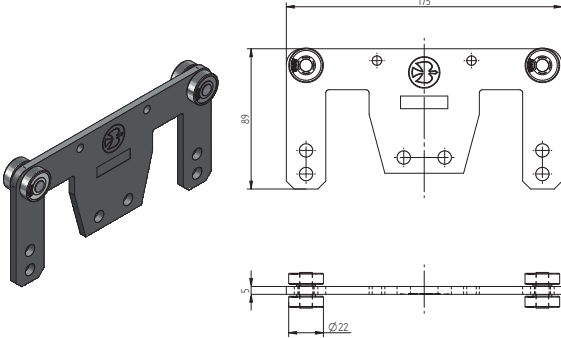
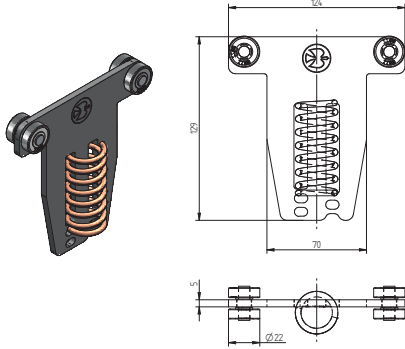
HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Telescope 912.3 Long	9,50	6.090.156.00
	Telescope 912.4 Long – offset rollers	9,50	6.090.181.00

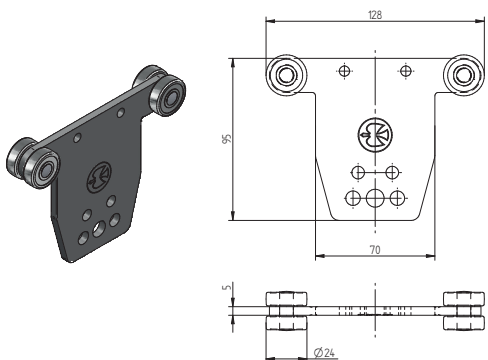
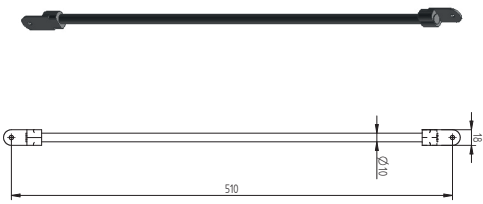
HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Telescope 912.5 Long	12,35	6.090.177.00
	Plug-in unit for telescope pillars for double-decker pillar 904	0,36 0,33	6.090.158.00 6.090.206.00
	Tensioning cable (500–640mm lifting height) Tensioning cable set Tensioning cable (500–640mm lifting height) Hemlok rivet 6.4 x 19.0 Blind rivet 4.8 x 14.7	0,09 1,07	6.090.160.25 6.850.036.00

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – SPARE PARTS

Figure	Description	Weight [kg]	Article No.
	Telescope stop	0,36	6.090.248.00
	Stop plate	0,08	6.090.145.04
	Rollers	0,47	6.090.155.52
	Rollers with spring damping	0,43	6.090.226.00

HESTAL Vario-/SlimMaster 900, 901, 902, 903, 904, 905 – SPARE PARTS

Figure	Description	Weight [kg]	Article No.
	Rollers narrow	0,34	6.090.284.51
	Tensioning cable (400–450mm lifting height)	0,07	6.090.155.25
	Locking set for VarioMaster 900 Locking slide Pressure spring Blind rivet (flat-head M-Lock)	0,34	6.850.038.00
	Dampers set Damping strip spacer Hexagon bolt M8x18 Self-locking Hexagon nut M8	0,17	6.850.041.00

CURTAINSIDER PILLAR SYSTEM 951

The HESTAL CS 951 pillar system is used as middle pillar for commercial vehicles with laterally sliding tarpaulins.

Technology

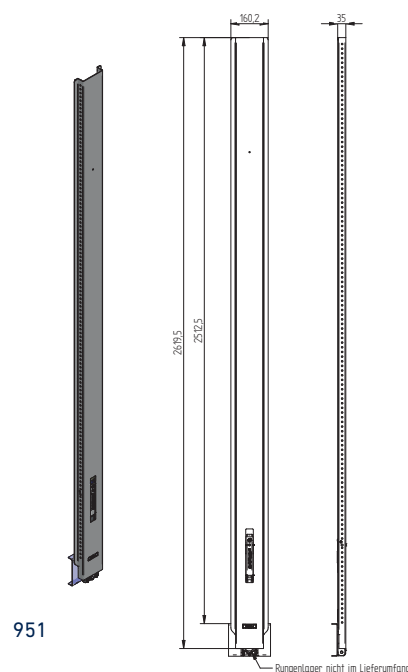
- › Pillar thickness of 35mm in conjunction with high-strength material
- › Secured with a double locking mechanism to avoid unintentional opening
- › Proven knee-lever principle within the fastening mechanism
- › Internal rocker allows the pillar to be easily brought back into its original position after opening
- › Pockets positionable in 5mm steps
- › Slat stowages in 4 different positions
- › Roof connection can be adapted (in 10mm steps)
- › Pillar bearing identical with SolidMaster
- › TÜV tested and certified in accordance with DIN EN 12642-XL

Versions

KTL coated in accordance with FHS-TL 9.13

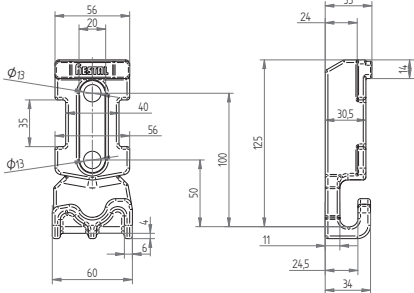
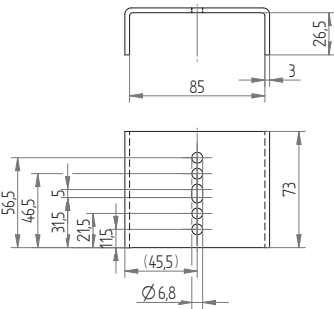
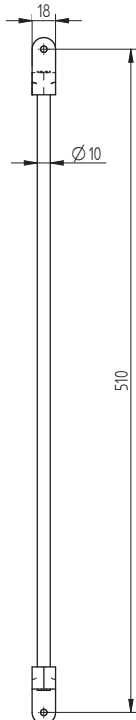
Accessories

Slat stowages p. 16, Pockets p. 17



Description	Weight [kg]	Article No.
CS pillar 951	16,85	6.800.462.00

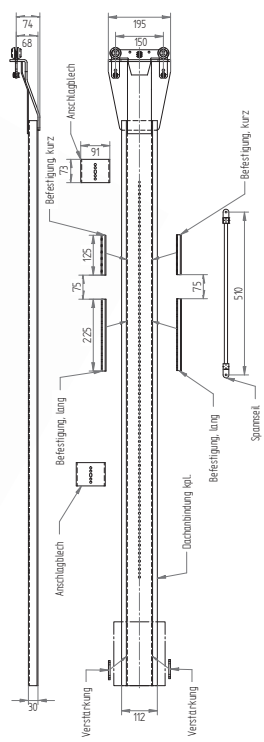
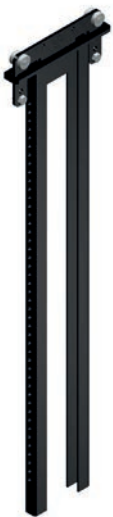
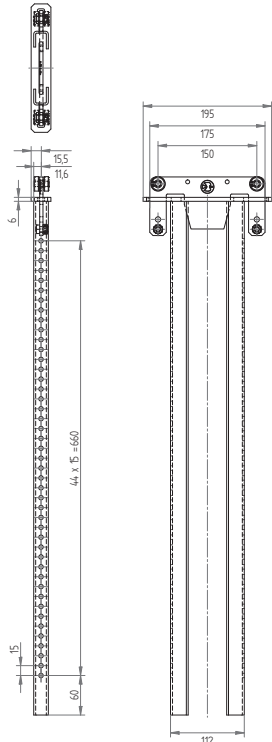
CURTAINSIDER PILLAR SYSTEM 951 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
 	Pillar bearing M12 M14	0,88 0,74	6.090.201.99 6.090.227.99
 	Stop plate	0,24	6.800.409.13
 	Tensioning cable 510mm (400–450mm lifting height)	0,07	6.090.155.25

CURTAINSIDER PILLAR SYSTEM 951 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	Telescope set, Code XL Straight Offset	6,78	6.090.237.00 6.090.245.00
	Top trolley set, Code XL Straight Offset	6,78	6.090.238.00 6.090.246.00

CURTAINSIDER PILLAR SYSTEM 951 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
 	Telescope set Code XL – cranked Top trolley set Code XL – cranked	9,88	6.090.240.00 6.090.244.00
 	Top trolley, complete Straight Offset	3,52 3,41	6.090.239.00 6.090.247.00

CURTAINSIDER PILLAR SYSTEM 951 – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
6.090.237.55 6.090.245.55	Roof connection, complete Straight Offset	6,78	6.090.237.55 6.090.245.55
	Roof connection, cranked	9,88	6.090.240.55

OVERVIEW

**➤ HESTAL SolidMaster 801**[Back to table of content](#)

HESTAL *SolidMaster* 801

The HESTAL pillar system SolidMaster 801 is used for open and closed flatbed superstructures.

- Pillars for 400, 500, 600, 800, 1000mm dropsides
- Pillars with curtainside attachment for vehicles with roof structures

Technology

- › SolidMaster 801 is combined with the reliable HESTAL dropside fasteners
- › The system uses one hand lever
- › Fastener pockets are mounted on the pillar
- › System has an integrated cargo pressure detection
- › Robust, secure, and positive-fit connection to the outer frame
- › Double safeguard of the mechanics
- › Different fastening techniques can be used all around the superstructure
- › Standard versions are KTL coated

Variants

- › SolidMaster 801M - Middle pillar
- › SolidMaster 801MS - Middle pillar with curtainside attachment
- › SolidMaster 801H - Rear pillar
- › SolidMaster 801HS - Rear pillar with curtainside attachment

Versions

KTL coated in accordance with FHS-TL 9.13

Accessories

See SolidMaster accessories p. 60

Supplements

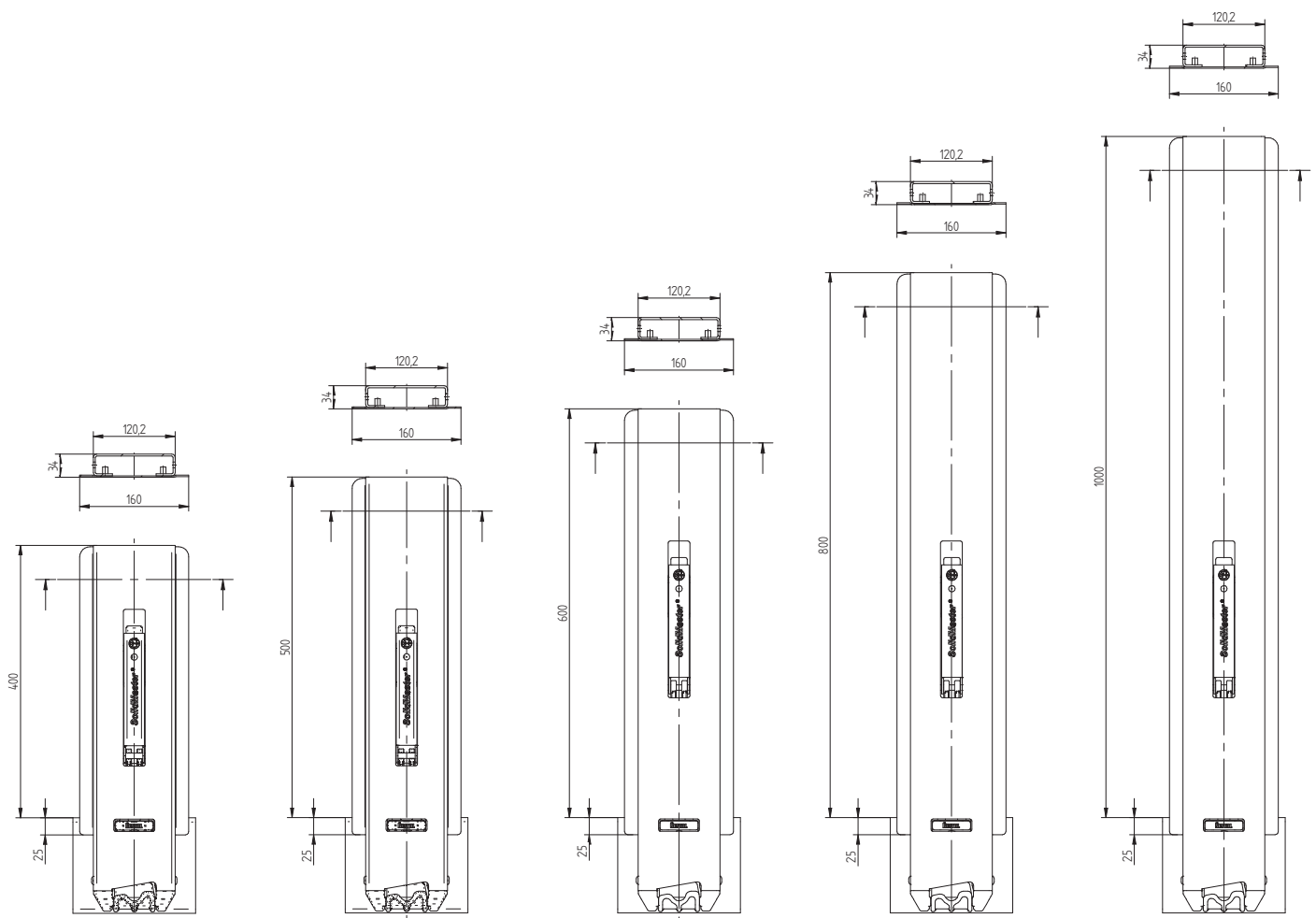
Fasteners 686, 681, 710 and 715, safety dropside hinges 654N, 655N and 657, pockets, top trolleys, telescopes

Abbreviation	Explanation	Abbreviation	Explanation
801	Type of pillar	S	Curtainside attachment
H	Rear pillar	KTL	KTL coating
M	Middle pillar		

HESTAL *SolidMaster* 801M - MIDDLE PILLAR WITHOUT CURTAINSIDE ATTACHMENT

Length [mm]	Weight [kg]	Article No.
400	7,60	6.080.538.00
500	8,10	6.080.460.00
600	8,90	6.080.464.00
800	10,50	6.080.468.00
1000	12,00	6.080.472.00

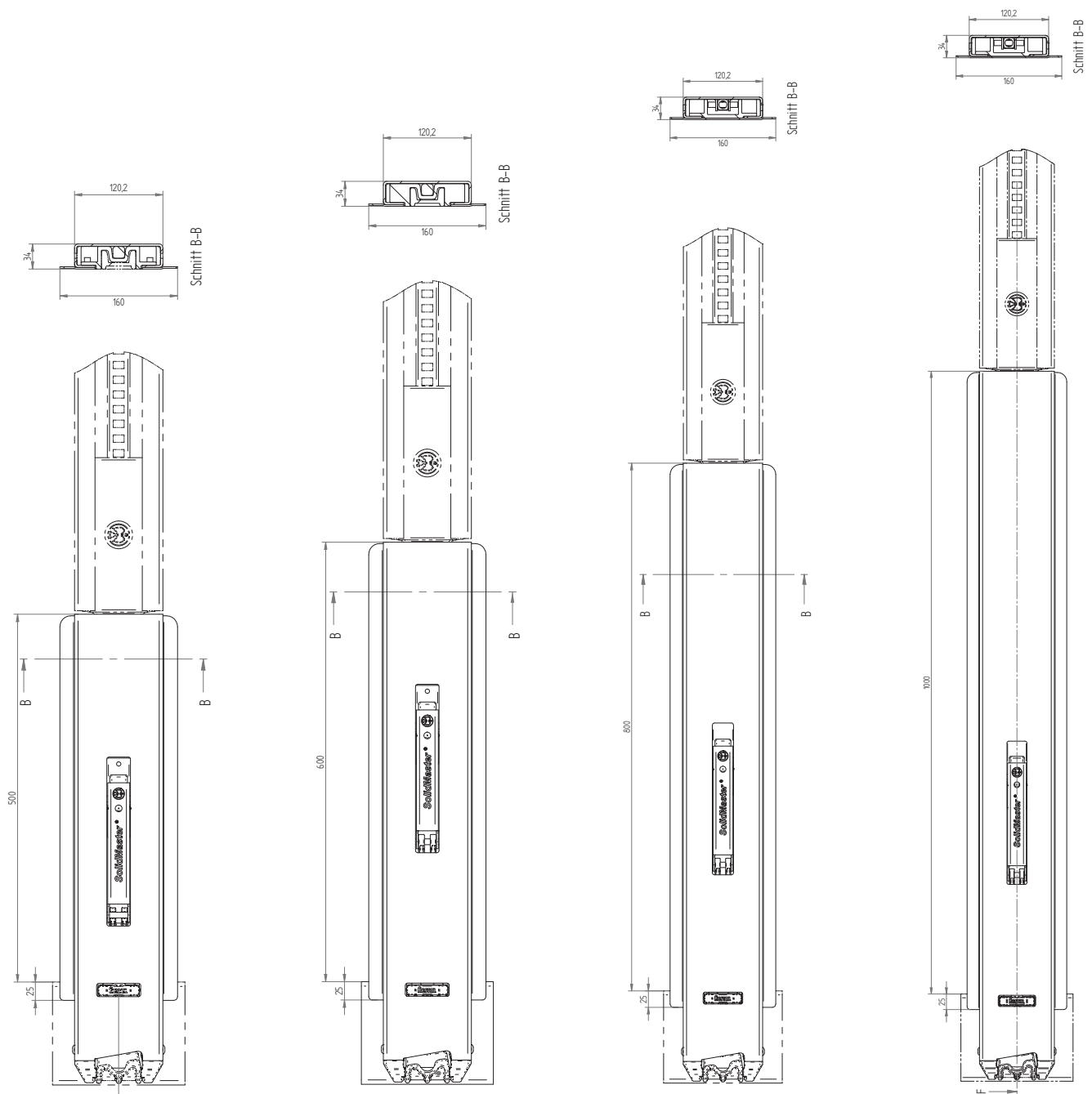
[Back to table of content](#)

HESTAL *SolidMaster* 801M - MIDDLE PILLAR WITHOUT CURTAINSIDE ATTACHMENT

HESTAL *SolidMaster* 801MS - MIDDLE PILLAR WITH CURTAINSIDE ATTACHMENT

Length [mm]	Weight [kg]	Article No.
500	9,50	6.080.462.00
600	10,30	6.080.466.00
800	12,20	6.080.470.00
1000	14,10	6.080.474.00

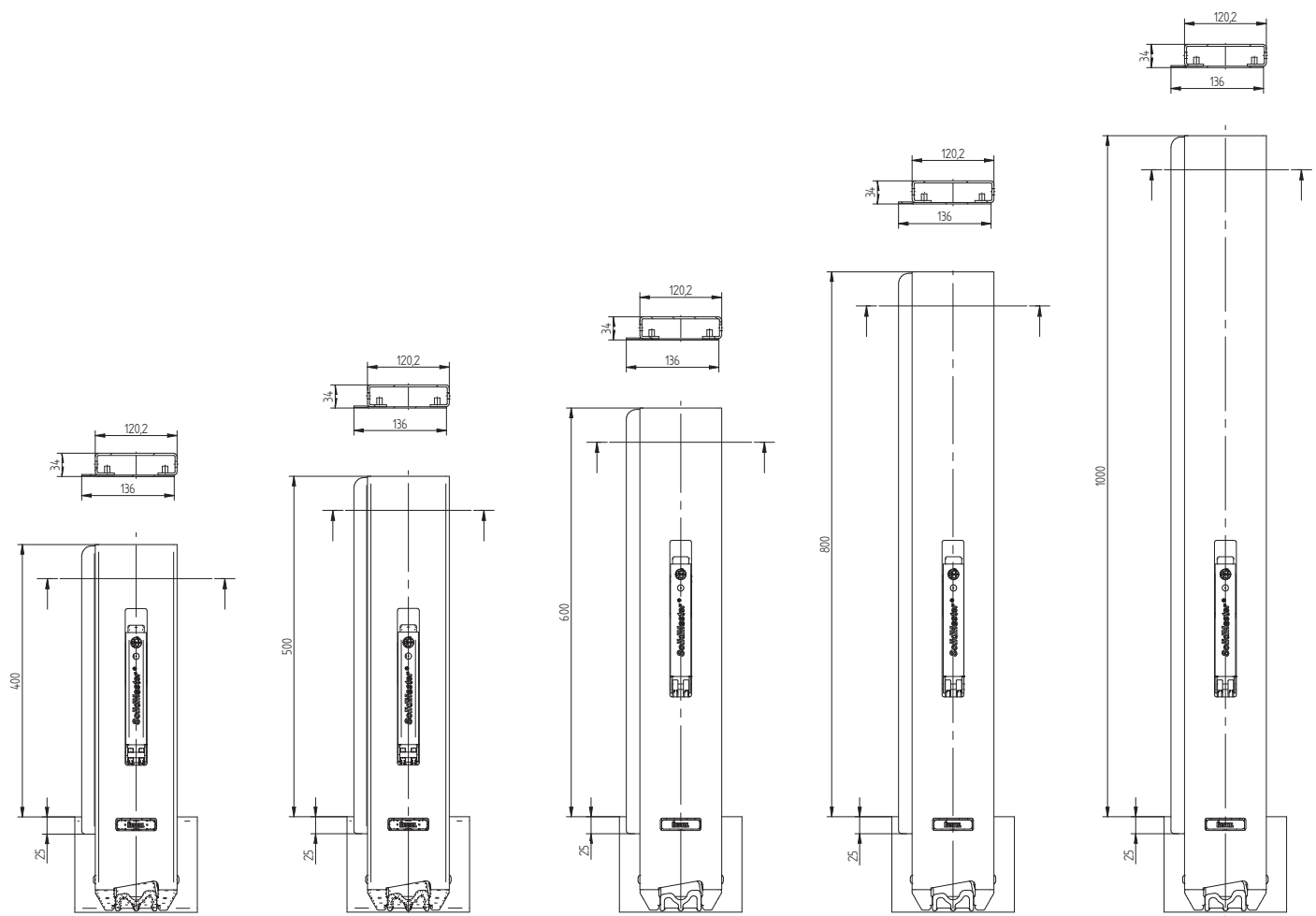
[Back to table of content](#)

HESTAL *SolidMaster* 801MS -MIDDLE PILLAR WITH CURTAINSIDE ATTACHMENT

HESTAL *SolidMaster* 801H - REAR PILLAR WITHOUT CURTAINSIDE ATTACHMENT


Length [mm]	Seite	Weight [kg]	Article No.
400	Left	7,23	6.080.550.00
400	Right	7,23	6.080.551.00
500	Left	8,05	6.080.484.00
500	Right	8,05	6.080.485.00
600	Left	9,01	6.080.492.00
600	Right	9,01	6.080.493.00
800	Left	10,47	6.080.500.00
800	Right	10,47	6.080.501.00
1000	Left	11,94	6.080.508.00
1000	Right	11,94	6.080.509.00

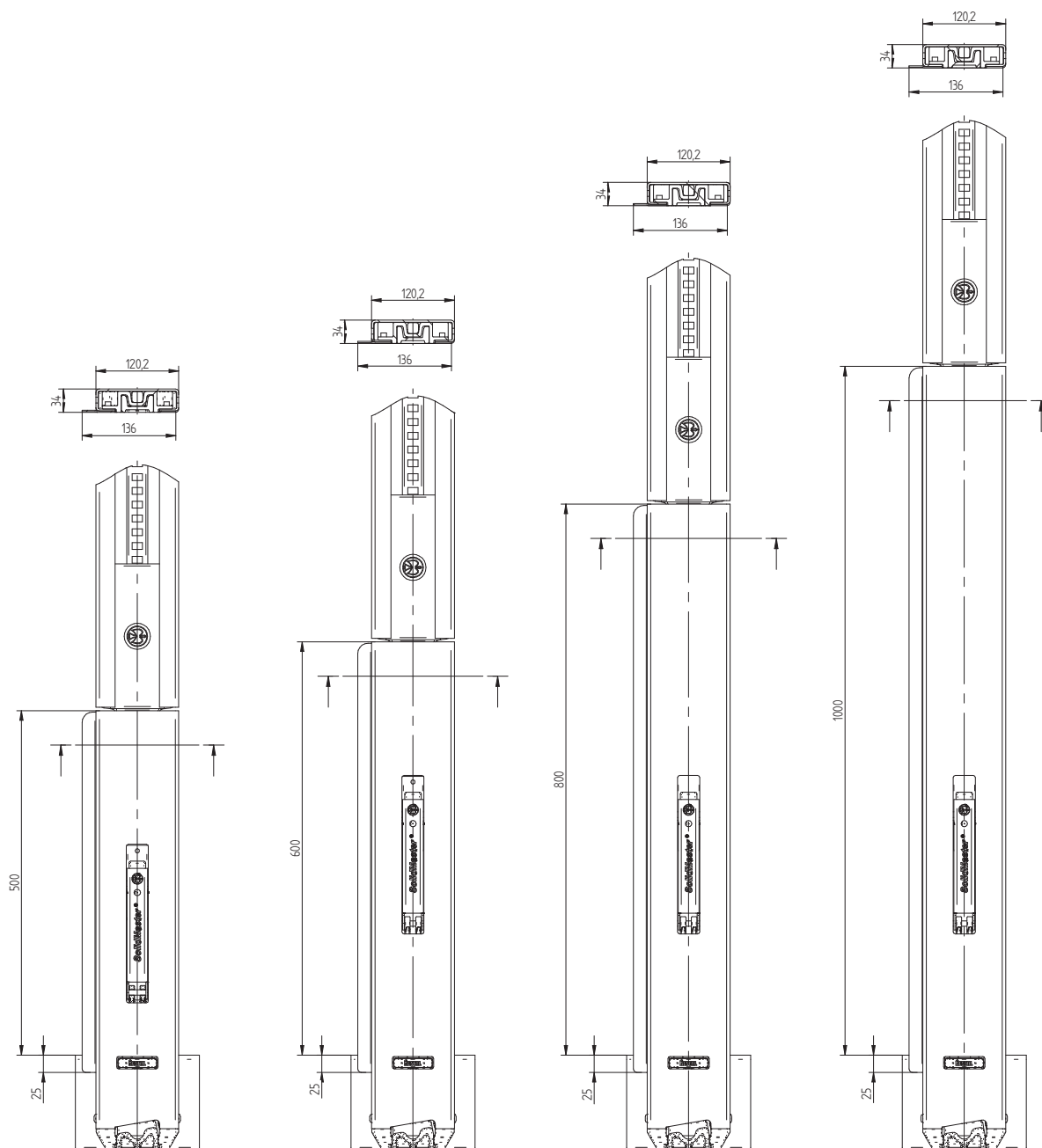
[Back to table of content](#)

HESTAL *SolidMaster* 801H - REAR PILLAR WITHOUT CURTAINSIDE ATTACHMENT

HESTAL *SolidMaster* 801HS - REAR PILLAR WITH CURTAINSIDE ATTACHMENT

Length [mm]	Seite	Weight [kg]	Article No.
500	links	9,50	6.080.488.00
500	right	9,50	6.080.489.00
600	links	10,30	6.080.496.00
600	right	10,30	6.080.497.00
800	links	12,20	6.080.504.00
800	right	12,20	6.080.505.00
1000	links	14,10	6.080.512.00
1000	right	14,10	6.080.513.00

[Back to table of content](#)

HESTAL *SolidMaster* 801HS - REAR PILLAR WITH CURTAINSIDE ATTACHMENT


OVERVIEW

**> HESTAL SolidMaster 802**[Back to table of content](#)

HESTAL *SolidMaster* 802

The HESTAL pillar system SolidMaster 802 is used for open and closed flatbed superstructures.

- Pillars for 400, 500, 600, 800, 1000mm dropsides
- Pillars with curtainside attachment for vehicles with roof structures

Technology

- › SolidMaster 802 has integrated dropside fasteners
- › Is combined with the reliable HESTAL dropside fasteners
- › The system uses two hand lever
- › Fastener pocket is mounted on the dropside
- › System has an integrated cargo pressure detection
- › Robust, secure, and positive-fit connection to the outer frame
- › Double safeguard of the mechanics
- › Standard versions are KTL coated

Variants

- › SolidMaster 802M - Middle pillar with integrated fasteners
- › SolidMaster 802MS - Middle pillar with integrated fasteners & curtainside attachment
- › SolidMaster 802H - Rear pillar with integrated fasteners
- › SolidMaster 802HS - Rear pillar with integrated fasteners & curtainside attachment
- › SolidMaster 802P - Front pillar with integrated fasteners
- › SolidMaster 802R - Corner pillar (profile with integrated fastener for existing corner pillar)

Versions

KTL coated in accordance with FHS-TL 9.13

microZINQ® in accordance with FHS-TL 9.37

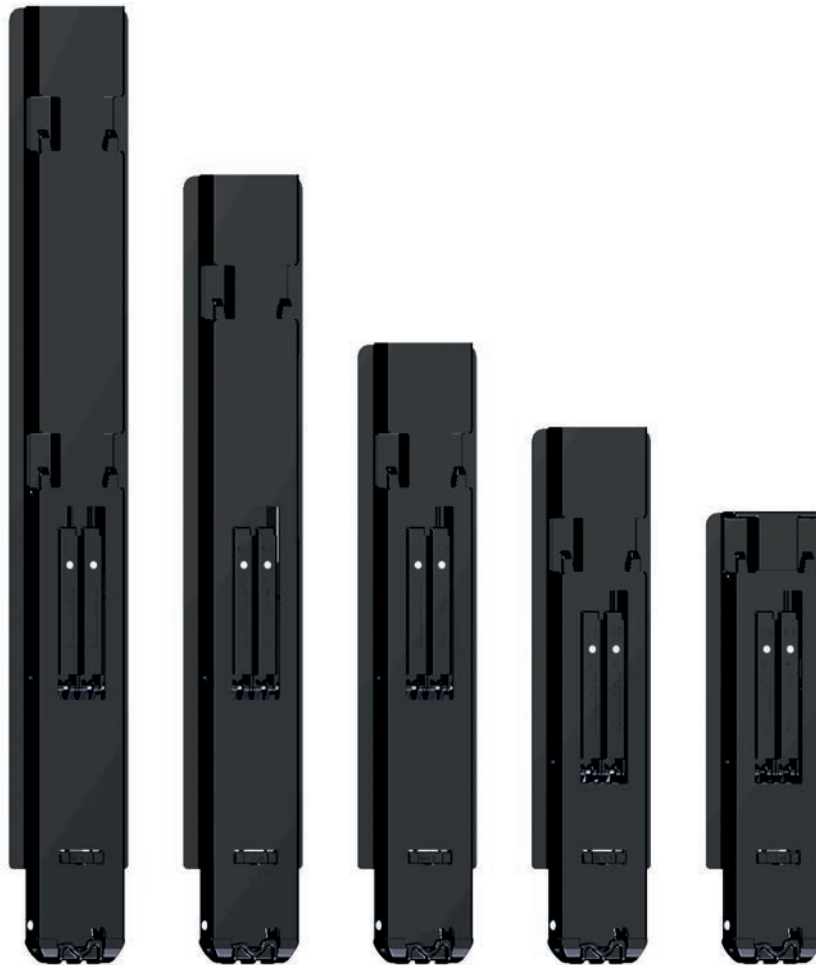
Accessories

Attached

Supplements

Safety dropside hinges 654N, 655N and 657, pockets, top trolleys, telescopes

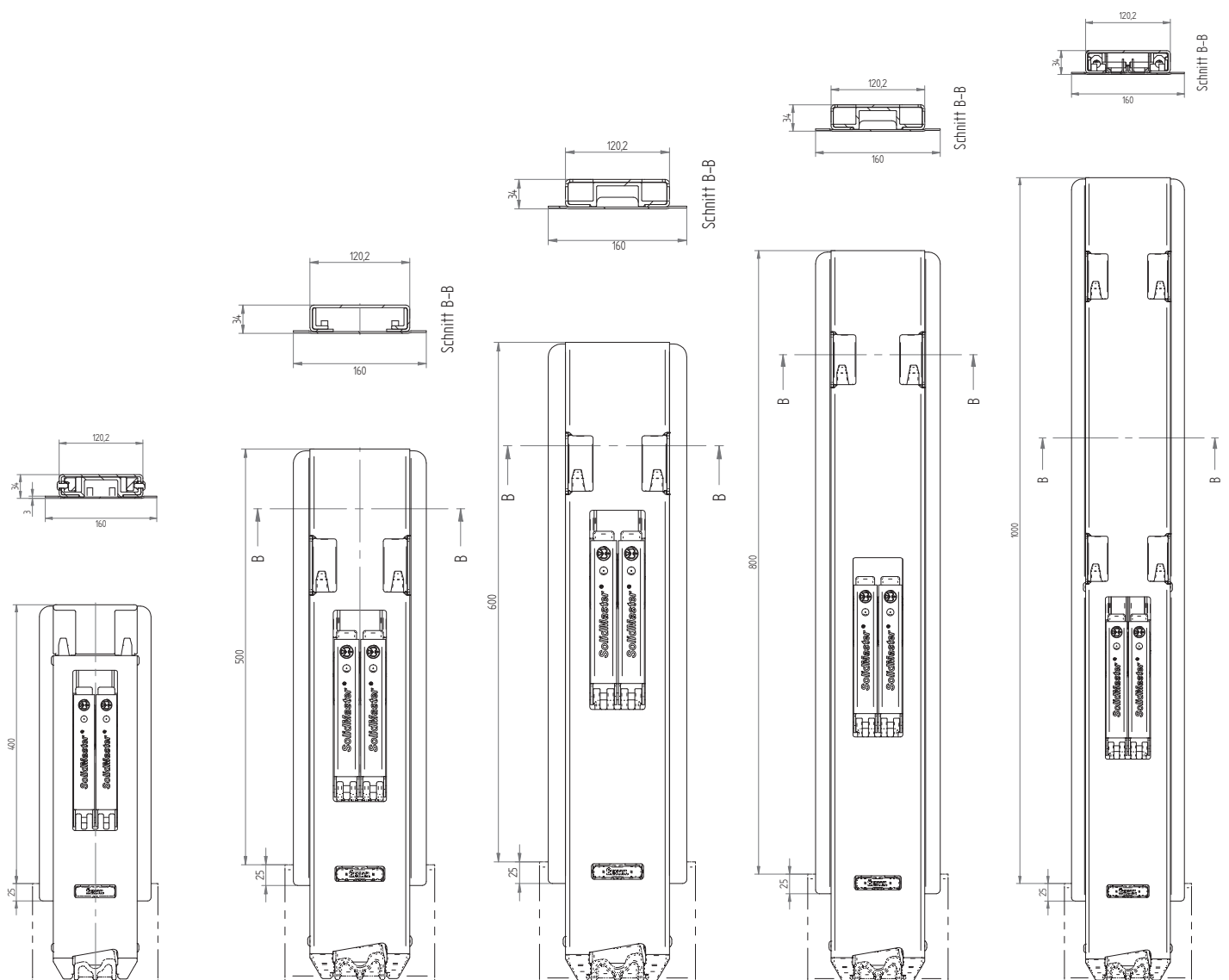
Abbreviation	Explanation	Abbreviation	Explanation
802	Type of pillar	S	Curtainside attachment
H	Rear pillar	gVZ+Dp	Electro galvanised and thick-film-passivated
M	Middle pillar	KTL	KTL coating
P	Front pillar (fixed to frame)	mVZ	microZINQ® coating
R	Corner pillar module (profile with integrated fastener for existing corner pillar)		

HESTAL *SolidMaster* 802M - MIDDLE PILLAR WITH INTEGRATED FASTENERS


Length [mm]	Weight [kg]	Article No.	
		KTL coating	microZINQ® coating
400	8,90	6.080.539.00	6.080.813.00
500	9,50	6.080.461.00	6.080.816.00
600	10,40	6.080.465.00	6.080.822.00
800	12,10	6.080.469.00	6.080.828.00
1000*	14,80	6.080.473.00	6.080.834.00

*with double locking

[Back to table of content](#)

HESTAL *SolidMaster* 802M - MIDDLE PILLAR WITH INTEGRATED FASTENERS

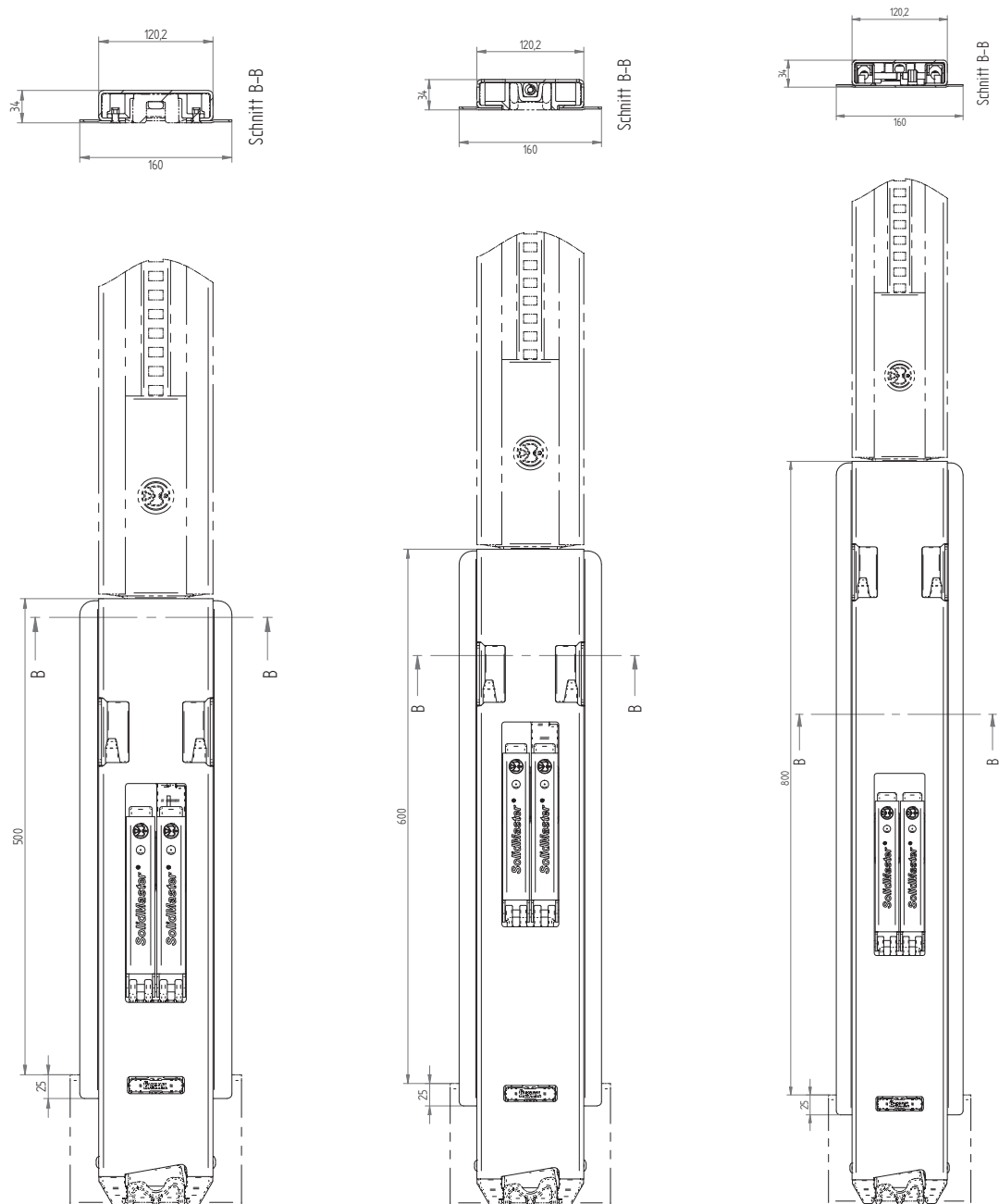
HESTAL *SolidMaster* 802MS – MIDDLE PILLAR WITH INTEGRATED FASTENERS & CURTAINSIDE ATTACHMENT

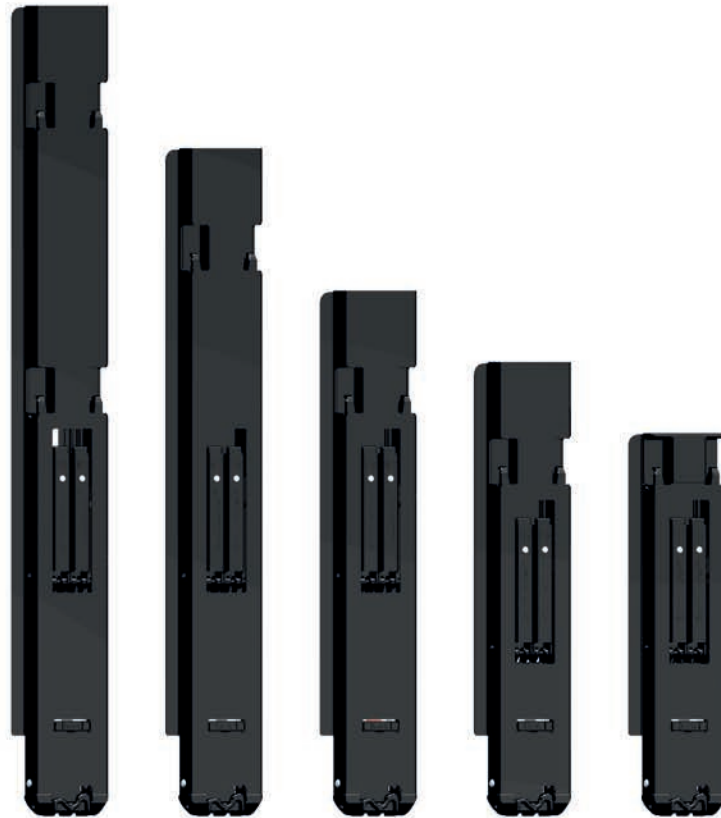


Length [mm]	Weight [kg]	Article No.	
		KTL coating	microZINQ® coating
500	9,70	6.080.463.00	6.080.819.00
600	10,60	6.080.467.00	6.080.825.00
800	12,60	6.080.471.00	6.080.831.00

[Back to table of content](#)

HESTAL *SolidMaster* 802MS – MIDDLE PILLAR WITH INTEGRATED FASTENERS & CURTAINSIDE ATTACHMENT

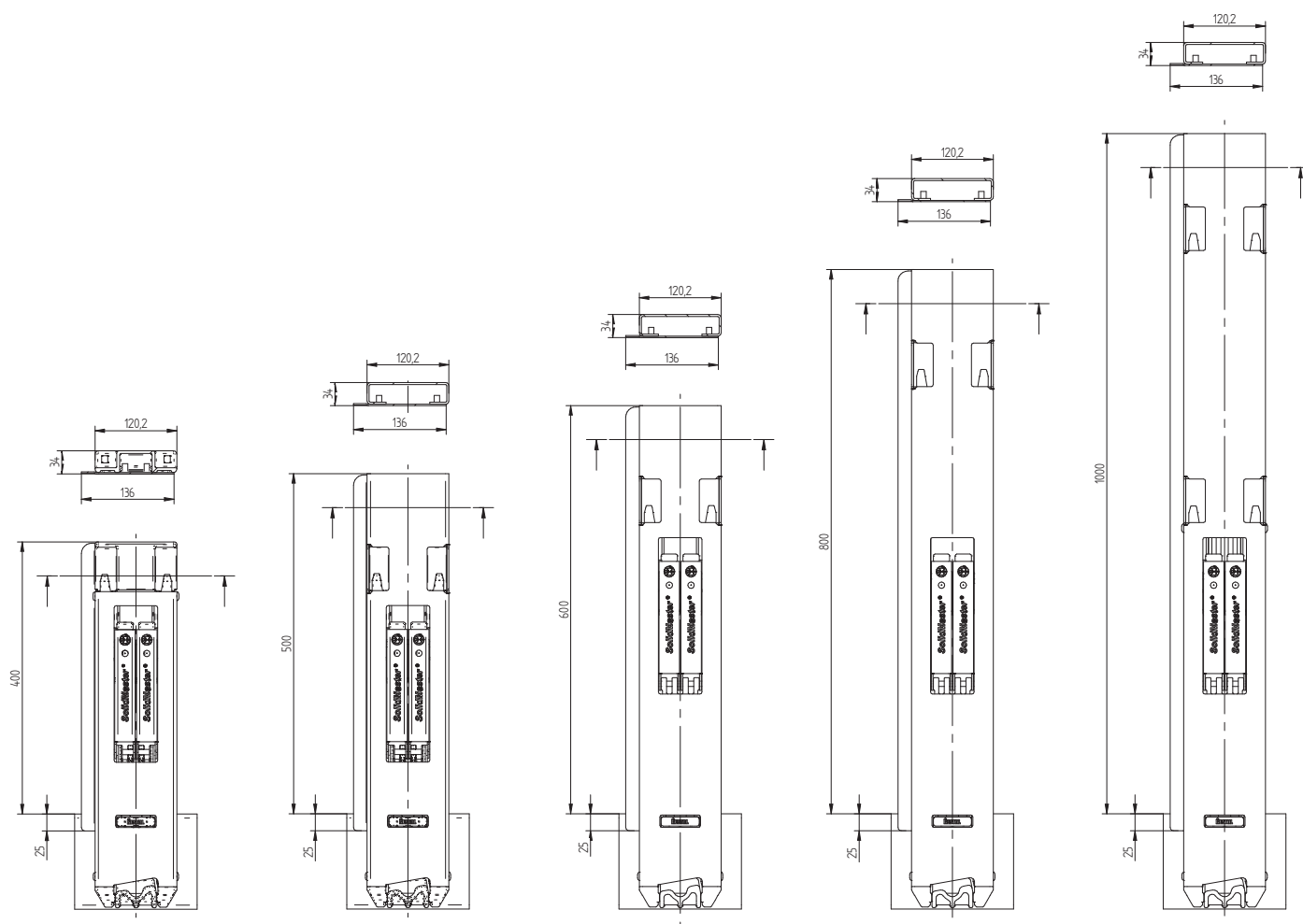


HESTAL *SolidMaster* 802H - REAR PILLAR WITH INTEGRATED FASTENERS


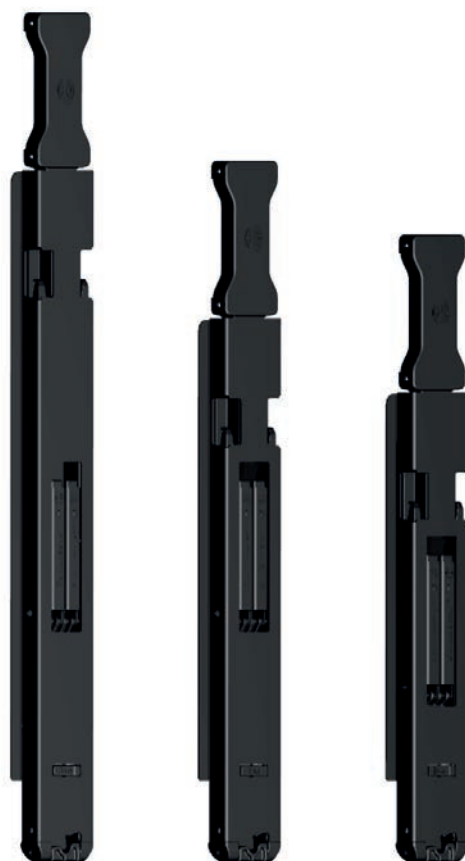
Length [mm]	Side	Weight [kg]	Article No.	
			KTL coating	microZINQ® coating
400	Left	8,50	6.080.552.00	6.080.814.00
400	Right	8,50	6.080.553.00	6.080.815.00
500	Left	9,20	6.080.486.00	6.080.817.00
500	Right	9,20	6.080.487.00	6.080.818.00
600	Left	10,10	6.080.494.00	6.080.823.00
600	Right	10,10	6.080.495.00	6.080.824.00
800	Left	12,10	6.080.502.00	6.080.829.00
800	Right	12,10	6.080.503.00	6.080.830.00
1000*	Left	14,80	6.080.510.00	6.080.835.00
1000*	Right	14,80	6.080.511.00	6.080.836.00

*with double locking

[Back to table of content](#)

HESTAL *SolidMaster* 802H – REAR PILLAR WITH INTEGRATED FASTENERS

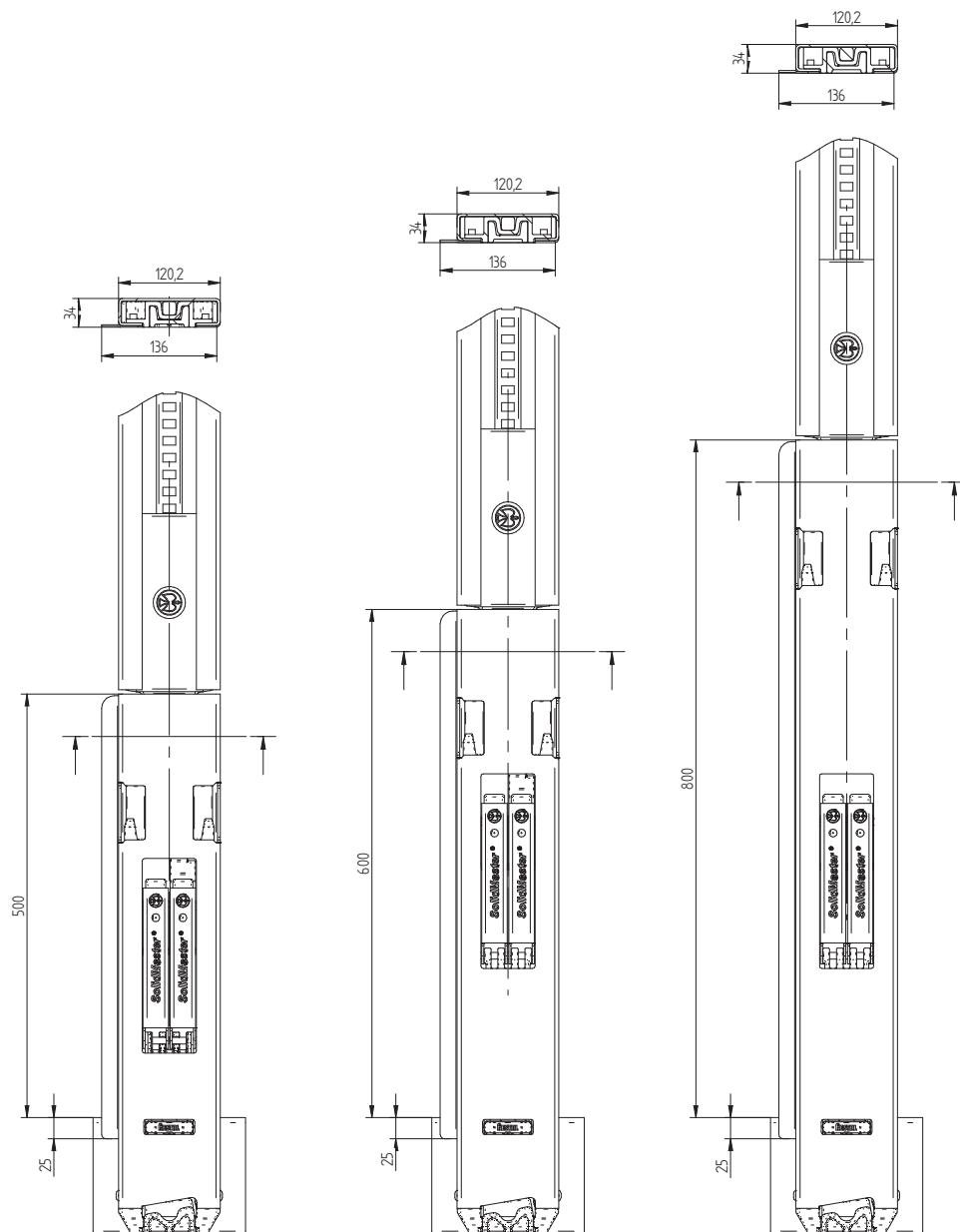
HESTAL *SolidMaster* 802HS – REAR PILLAR WITH INTEGRATED FASTENERS & CURTAINSIDE ATTACHMENT



Length [mm]	Side	Weight [kg]	Article No.	
			KTL coating	microZINQ® coating
500	Left	9,20	6.080.490.00	6.080.820.00
500	Right	9,20	6.080.491.00	6.080.821.00
600	Left	10,10	6.080.498.00	6.080.826.00
600	Right	10,10	6.080.499.00	6.080.827.00
800	Left	12,10	6.080.506.00	6.080.832.00
800	Right	12,10	6.080.507.00	6.080.833.00

[Back to table of content](#)

HESTAL *SolidMaster* 802HS – REAR PILLAR WITH INTEGRATED FASTENERS & CURTAINSIDE ATTACHMENT

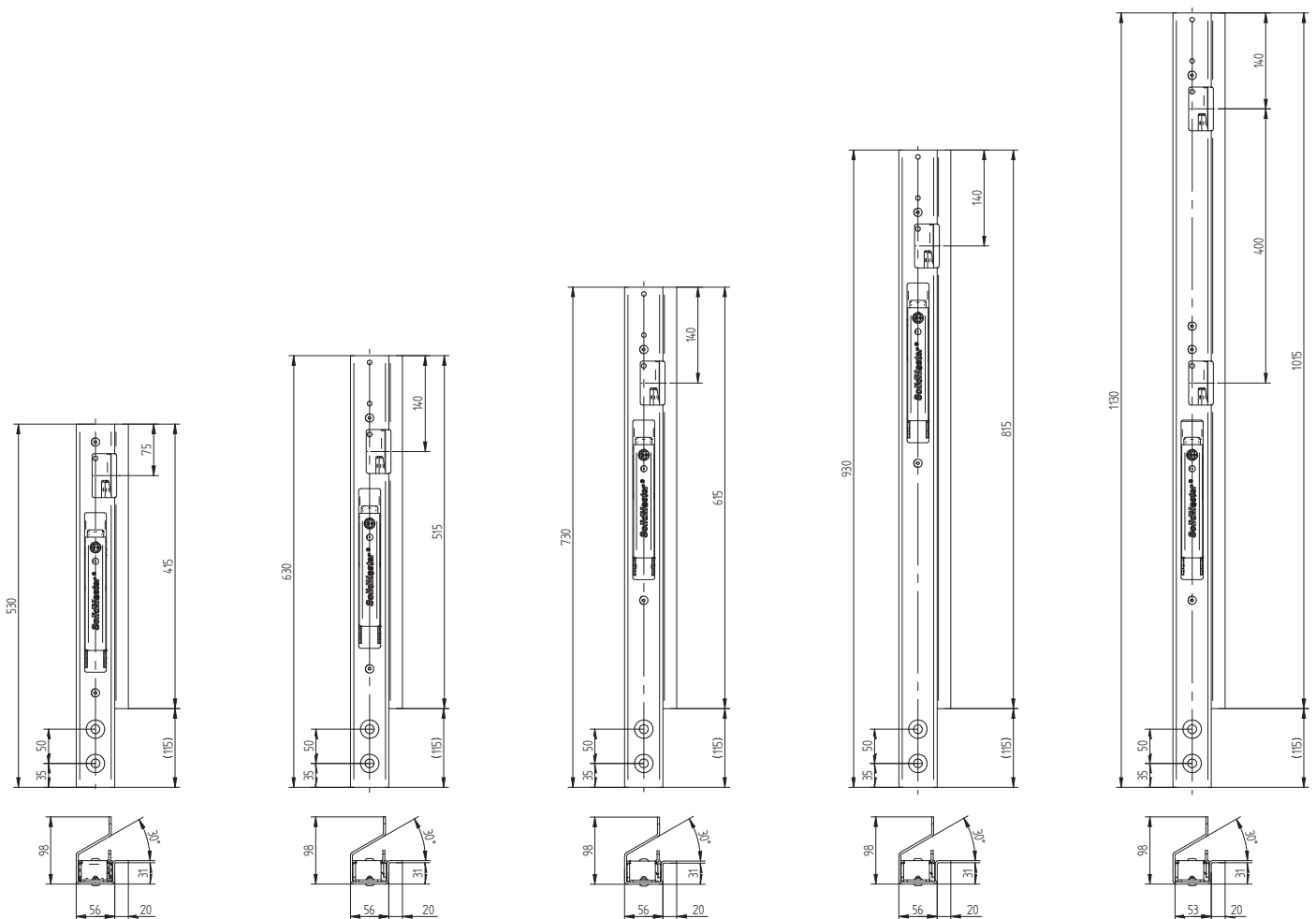


HESTAL *SolidMaster* 802P - FRONT PILLAR WITH INTEGRATED FASTENERS

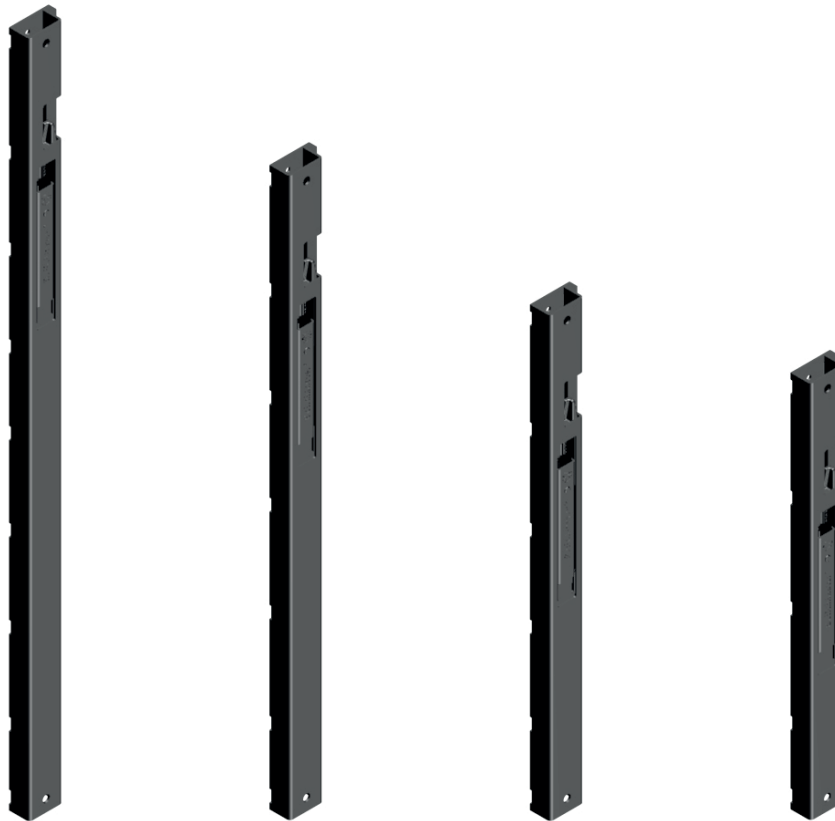

Length [mm]	Side	Weight [kg]	Article No.	
			KTL coating	microZINQ® coating
400	Left	3,80	6.080.574.00	6.080.902.00
400	Right	3,80	6.080.575.00	6.080.903.00
500	Left	4,40	6.080.518.00	6.080.904.00
500	Right	4,40	6.080.519.00	6.080.905.00
600	Left	4,90	6.080.516.00	6.080.906.00
600	Right	4,90	6.080.517.00	6.080.907.00
800	Left	6,00	6.080.520.00	6.080.908.00
800	Right	6,00	6.080.521.00	6.080.909.00
1000*	Left	8,20	6.080.524.00	6.080.910.00
1000*	Right	8,20	6.080.525.00	6.080.911.00

*with double locking

[Back to table of content](#)

HESTAL *SolidMaster* 802P - FRONT PILLAR WITH INTEGRATED FASTENERS
[Back to table of content](#)

HESTAL *SolidMaster* 802R - CORNER PILLAR (PROFILE WITH INTEGRATED FASTENER FOR EXISTING CORNER PILLAR)

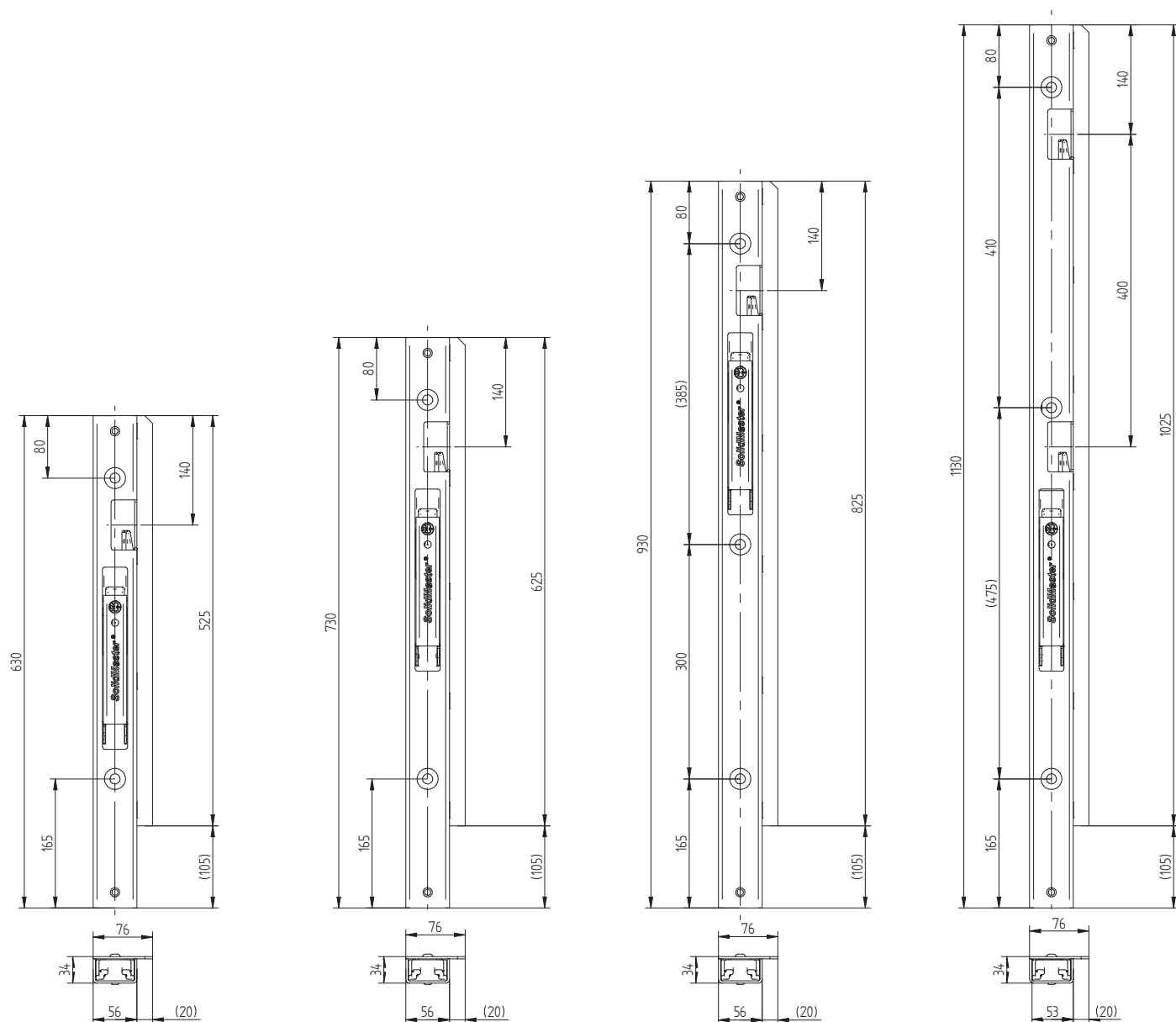


Length [mm]	Side	Weight [kg]	Article No.	
			KTL coating	microZINQ® coating
500	Left	3,20	6.080.526.00	6.080.922.00
500	Right	3,20	6.080.527.00	6.080.923.00
600	Left	3,60	6.080.528.00	6.080.924.00
600	Right	3,60	6.080.529.00	6.080.925.00
800	Left	4,50	6.080.530.00	6.080.926.00
800	Right	5,30	6.080.531.00	6.080.927.00
1000*	Left	6,10	6.080.534.00	6.080.928.00
1000*	Right	6,10	6.080.535.00	6.080.929.00

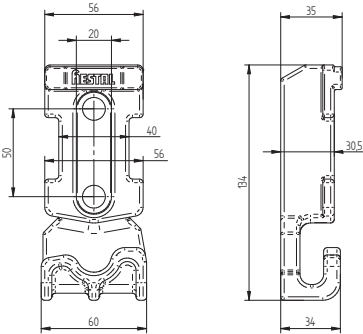
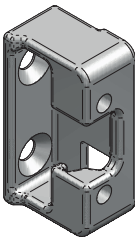
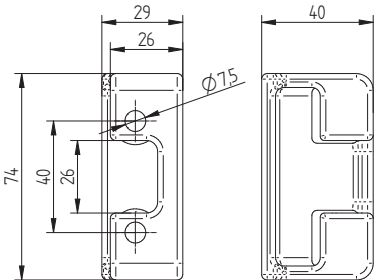
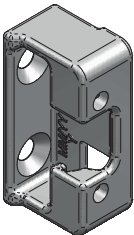
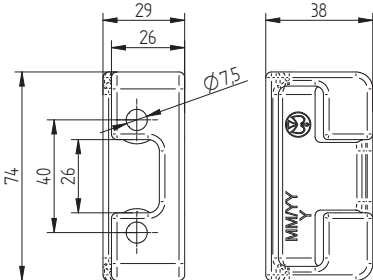
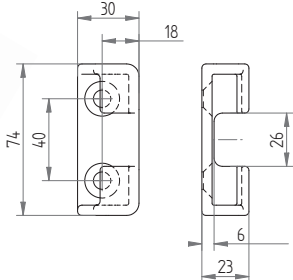
*with double locking

[Back to table of content](#)

HESTAL *SolidMaster* 802R - CORNER PILLAR (PROFILE WITH INTEGRATED FASTENER FOR EXISTING CORNER PILLAR)


[Back to table of content](#)

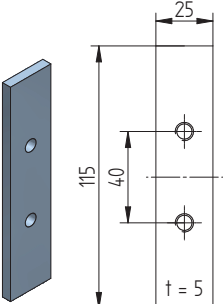
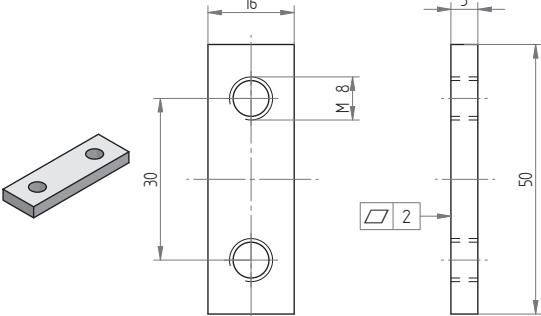
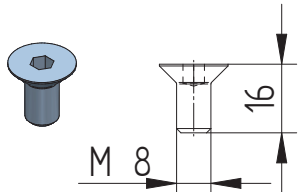
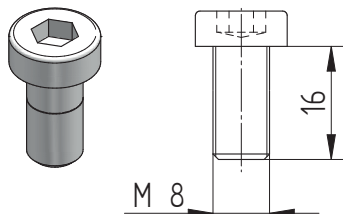
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
 	801/802 Pillar bearing M12 raw M12 KTL M12 galvanised M14 raw M14 KTL	0,85	6.090.201.98 6.090.201.99 6.090.291.99 6.090.293.00 6.090.227.00
 	801M Pillar pocket for fastener 681	0,26	6.071.167.99
 	801M Pillar pocket for fastener 681	0,23	6.071.171.99
 	801H Pillar pocket for fastener 681	0,15	6.071.165.99

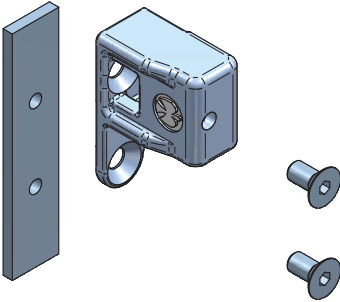
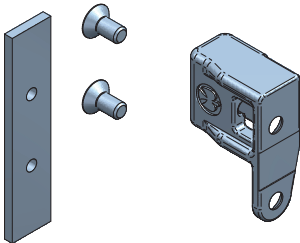
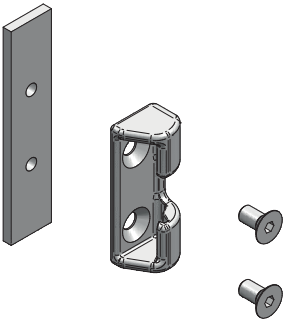
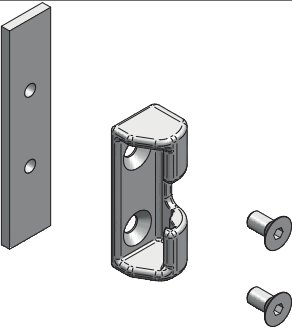
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	801H Pillar pocket high for fastener 681	0,17	6.071.166.99
	801M Pillar pocket for fastener 710 Left Right	0,20	6.071.159.99 6.071.160.99
	802H Fastener pocket KTL Electro galvanised & thick-film-passivated		6.071.164.99 6.071.178.99
	802M Fastener pocket KTL Electro galvanised & thick-film-passivated		6.071.156.99 6.071.177.99

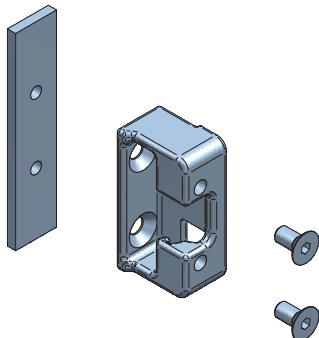
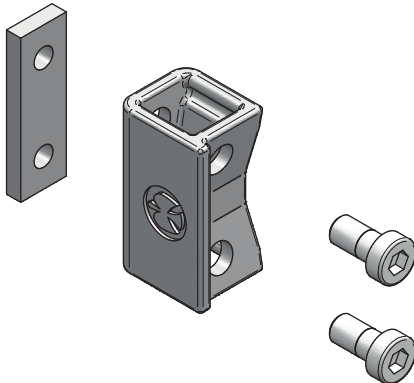
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	801 Threaded plate M8		6.071.158.00
	802 Threaded plate M8	0,03	6.071.157.00
	801 Countersunk head screw M8x16	0,01	6.071.159.10
	802 Fillister head screw M8x16	0,01	6.071.156.10

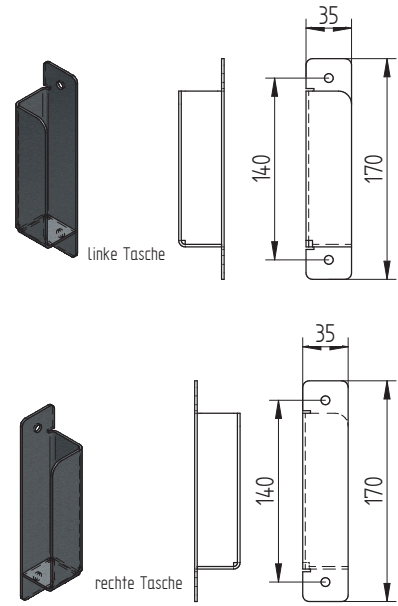
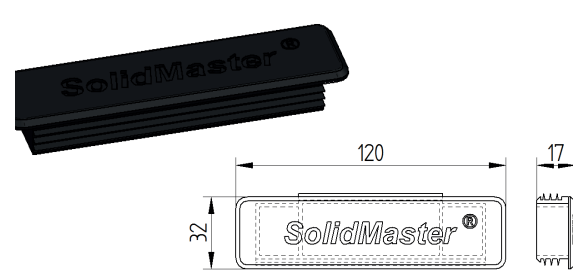
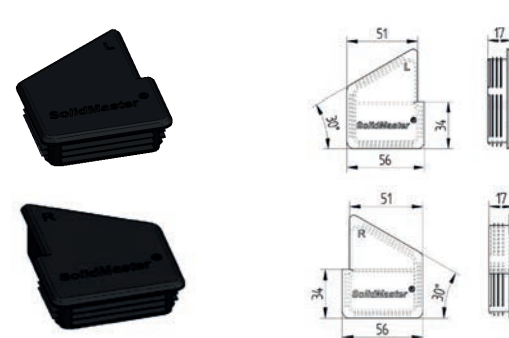
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	801M SolidMaster accessory set, right Pillar pocket Countersunk head screw M8x16 Threaded plate	0,31	6.850.047.00
	801M SolidMaster accessory set, left Pillar pocket Countersunk head screw M8x16 Threaded plate	0,31	6.850.051.00
	801H SolidMaster accessory set for rear pillar Pillar pocket Countersunk head screw M8x16 Threaded plate	0,25	6.850.048.00
	801H SolidMaster accessory set for rear pillar high Pillar pocket Countersunk head screw M8x16 Threaded plate	0,25	6.850.049.00

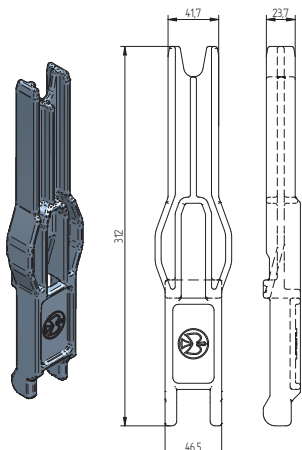
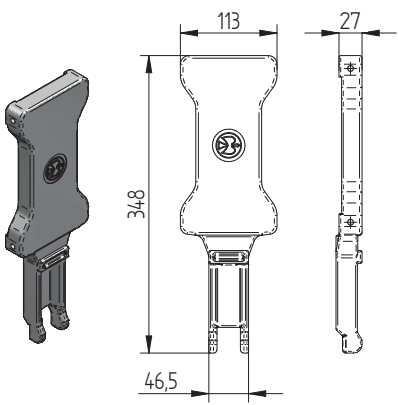
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	801M SolidMaster accessory set for middle pillar Pillar pocket Countersunk head screw M8x16 Threaded plate	0,25	6.850.050.00
	802M SolidMaster accessory set for middle pillar KTL Electro galvanised & thick-film-passivated Fastener pocket Fillister head screw M8x16 Threaded plate	0,19	6.850.054.00 6.850.078.00
	802H SolidMaster accessory set for rear pillar KTL Electro galvanised & thick-film-passivated Fastener pocket Fillister head screw M8x16 Threaded plate	0,25	6.850.055.00 6.850.079.00

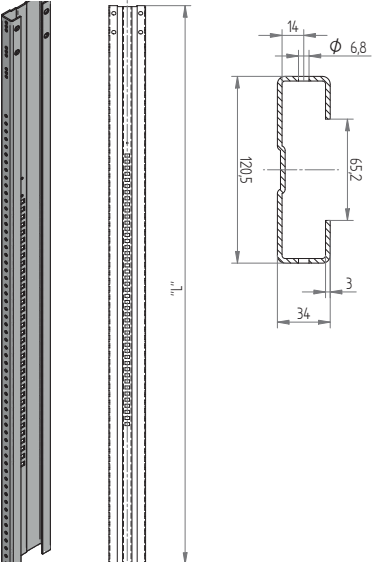
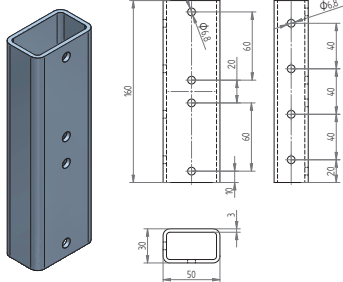
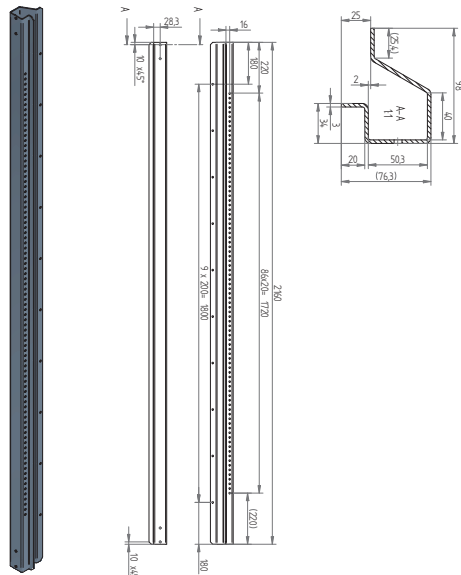
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	802H Pocket Left Right	0,23	6.800.442.00 6.800.442.10
	801/802M Cover cap	0,02	6.090.214.01
	802P Cover cap Left Right	0,02	6.090.214.02 6.090.214.03

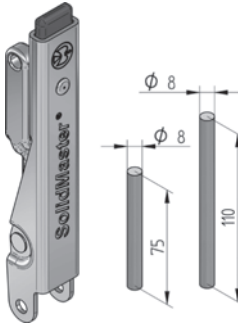
DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	802R Cover cap	0,02	6.090.214.04
	802PR Cover cap screw hole		6.670.006.01
	801/802S Centre piece narrow Raw KTL	1,40	6.090.204.98 6.090.204.99
	801/802S Centre piece KTL Without thread With thread	2,14	6.090.203.99 6.090.203.50

DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	801/802S C-Profile for curtainside attachment Length: 1425mm 1625mm 1775mm 1830mm	7,30 8,36 9,09 9,39	6.090.219.10 6.090.219.30 6.090.219.20 6.090.219.40
	802P Adapter for front pillar extension	0,52	6.090.211.02
	802P Front pillar extension for front pillar 2160mm KTL Galvanised	0,02	6.090.211.01 6.090.211.03

DROPSIDE PILLARS – ACCESSORIES

Figure	Description	Weight [kg]	Article No.
	802 SolidMaster Spare part set hand lever mechanism BG drive Bolt Ø 8x75 Bolt Ø 8x110 Repair instructions Drawing Ziplock bag DIN A5	0,34	6.850.040.00

OVERVIEW



- **HESTAL *LiftMaster* mechanical 750N**
- **HESTAL *LiftMaster* mechanical 770N**
- **HESTAL *LiftMaster* hydraulic 771N**
- **HESTAL *LiftMaster* hydraulic 855N**

[Back to table of content](#)

HESTAL *LiftMaster*

Hesterberg provides the commercial vehicle industry with numerous roof height adjustment systems under the name HESTAL *LiftMaster*. These are mainly used in curtainsider vehicles (trucks, trailers and swap bodies).

The *LiftMaster* is basically used for two reasons:

Firstly, to lift the vehicle roof for loading and unloading operations and to lower it afterwards. By this the entire cargo space can be used right up to the roof, because the required loading height is ensured by the lifted roof.

Secondly, to adjust the height of the vehicle roof to the required loading volume. On the one hand, the roof can be lifted and pegged for more space during transportation (under consideration of the total permitted vehicle height) or, on the other hand, lowered completely for efficient fuel consumption.



Advantages

- › Optimal use of cargo space due to maximum loading
- › Permanent height pegging allows to drive with a lifted or lowered roof (under consideration of the total permitted vehicle height)
- › Suitable for roof weights (including pillars, tarpaulin, etc.) up to 1,600kg
- › Possible to lift the roof up to 580mm
- › Easy operation
- › Compact installation dimensions
- › High degree of corrosion protection due to KTL coating or galvanisation
- › Extensive product range for a large number of applications
- › Use of identical roof connection and hole patterns (guiding channel) for easy exchange of the different *LiftMaster* types

Product types

The HESTAL *LiftMaster* range consists of four different types which are interchangeable due to a modular design.

The following table gives an overview of the essential characteristics of these *LiftMaster* types to provide guidance for choosing an appropriate system.

LiftMaster type	750N	770N	771N	855N
Figure				
Principle	mechanism		hydraulics	
Drive type	knee lever single lift mechanism	knee lever push rod	compact hydraulics	hydropneumatics
Operation	manual	manual	manual	automatic
Roof weight [kg]	0 – 800	400 – 1,000	200 – 1,200	300 – 1,600
Roof lift [mm]	defined 300	variable up to max. 500	variable up to max. 550	variable up to max. 580
Max. pegging heights [mm]	50/100 (defined) or 60/100 (defined)	120/170 (in steps of 10) 300 (in steps of 50)	250 (in steps of 50) or 240 (in steps of 60)	450 (custom)
Min. installation length [mm]	2,747	2,451	2,477	1,641
Special features	for lighter roofs, very quick and simple, robust mechanics	broad range of applica- tions, quick and convenient, proven system	for heavy roofs, many pegging options, reliable hydraulics	for very frequent lifting of very heavy roofs, very convenient solution

HESTAL *LiftMaster* 750N

The *LiftMaster* 750N is driven by a knee lever single lift mechanism which is supported by a gas spring. The integrated fall brake prevents the hand lever from being shifted suddenly especially in case of an accident. This ensures a high level of safety for the user.

The *LiftMaster* 750N is especially suited to vehicles with light roofs, because in addition to the complete lifting of the vehicle roof with just one stroke, the roof can also be actively pulled downwards and thus securely locked. This type is also popularly used for intercompany transportation with many loading and

unloading operations because the roof can be opened and closed very easy.

The *LiftMaster* 750N offers a defined roof height of 300mm and enables permanent pegging at heights of 50 or 100mm respectively 60 or 100mm so that driving with a lifted or lowered roof (under consumption of the total permitted vehicle height) is possible. Different gas springs are available for roof weights (including pillars, tarpaulin, etc.) up to 800kg. Upon request, the *LiftMaster* 750N can be fitted very easily with a customer logo on the hand lever.

Advantages

- › Suitable for roof weights (including pillars, tarpaulin, etc.) up to 800kg (different gas springs necessary)
- › Defined lifting of the roof by 300mm
- › Roof pegging to 50 or 100mm respectively to 60 or 100mm height possible
- › Very quick and easy opening and closing of the roof
- › Robust, compact and very secure design
- › Durable due to galvanised surfaces
- › Simple attaching of customer logos onto the hand lever
- › Certified by the German Social Accident Insurance (DGUV -Deutsche Gesetzliche Unfallversicherung)



Standard product versions

Basic modules LiftMaster 750N		Basic module Hesterberg article number	Basic module BPW article number
Basic module with pegging heights 50/100 (without gas spring)		6.810.202.00	92.0000.7542
Basic module with pegging heights 60/100 (without gas spring)		6.810.232.00	92.0000.7771
Gas spring LiftMaster 750N		Gas spring Hesterberg article number	Gas spring BPW article number
Roof weight (including pillars, tarpaulin, etc.) [kg]	Nominal gas spring force [N]		
up to 330	600	6.810.202.84	92.0000.7547
330 – 480	900	6.810.202.60	92.0000.7543
480 – 600	1,300	6.810.202.68	92.0000.7544
600 – 700	1,400	6.810.202.72	92.0000.7545
700 – 800	1,600	6.810.202.76	92.0000.7546

In addition to the basic module a gas spring is needed for a functional *LiftMaster* 750N. The appropriate gas spring for the roof weight needs to be ordered separately.

[Back to table of content](#)

HESTAL *LiftMaster* 770N

The proven *LiftMaster* 770N uses a knee lever mechanism patented by Hesterberg to lift the vehicle roof. This *LiftMaster* type is characterised by a very high level of user convenience, because the principle of operation employed enables a very easy, quick and variable roof lift. In addition, optimal adjustment to the vehicle is possible by shortening the hand lever.

Synthetic bearings have recently been integrated into the *LiftMaster* 770N in order to improve the service life and the ease of use even more. The connection between the lifting mechanism and the guiding channel

will be optimised for an easy and convenient assembly from the outside.

The *LiftMaster* 770N is suitable for roof weights (including pillars, tarpaulin, etc.) up to 1,000kg and enables a variable roof lift of up to 500mm. Depending on the version, the roof can be pegged at a maximum height of 120, 170 or 300mm, so that driving with a lifted or lowered roof (under consumption of the total permitted vehicle height) is possible. Thus the *LiftMaster* 770N covers a wide spectrum of applications.

Advantages

- › For roof weights (including pillars, tarpaulin, etc.) up to 1,000kg
- › Variable lifting of the roof up to 500mm possible
- › Roof pegging up to 120, 170 or 300mm (with steps of 10 or 50mm possible)
- › Proven and reliable system for a broad spectrum of applications
- › Improved service life due to synthetic bearings
- › Ergonomic, easy and very quick operation
- › Assembly from outside possible
- › Adaptable to vehicle and user by shortening the hand lever
- › Certified by the German Social Accident Insurance (DGUV -Deutsche Gesetzliche Unfallversicherung)



Standard product versions

Max. lifting height [mm]	300	400	500		
Max. pegging height [mm]	120 (in steps of 10)	120 (in steps of 10)	120 (in steps of 10)	170 (in steps of 10)	300 (in steps of 50)
Complete system Hesterberg article number	6.810.179.00	6.810.168.00	6.810.169.00	6.810.183.00	6.810.199.00
Complete system BPW article number	92.0000.5330	95.0000.0030	95.0000.0031	92.0000.7419	92.0000.5791

Special versions possible upon request.

HESTAL *LiftMaster* 771N

New to the series is the *LiftMaster* 771N which uses a compact hydraulic system that has already been proven in large-scale production. Thanks to the optimised hydraulics and the doubly supported hand lever, this *LiftMaster* type is characterised by a very ergonomic and easy operation.

The *LiftMaster* 771N can be used for roof weights (including pillars, tarpaulin, etc.) up to 1,200kg. The roof can be lifted incrementally up to 550mm and pegged at heights of 50, 100, 150, 200 and 250mm or

60, 120, 180 and 240mm without tools, so that driving with a lifted or lowered roof (under consumption of the total permitted vehicle height) is possible.

The *LiftMaster* 771N is characterised by a high-quality and robust two-pipe design. The integrated overload safeguard protects against incorrect operation. A long service life is thus ensured. The roof connection is part of the *LiftMaster* modular system, whereby an easy conversion to this version is possible.

Advantages

- › For roof weights (including pillars, tarpaulin, etc.) up to 1,200kg
- › Variable lifting of the roof up to 550mm possible
- › Adjustment of the roof pegging without tools (in steps of 50 or 60mm) possible up to a maximum height of 250 or 240mm
- › Highly reliable system proven in large-scale production
- › Robust and high-quality two-pipe design
- › Optimised power transmission of the hydraulics
- › Ergonomic and easy operation
- › Integrated overload protection for the prevention of damage to the hydraulics in the event of incorrect operation



Standard product versions

<i>LiftMaster</i> 771N	Hesterberg article number	BPW article number
Complete system for a maximum pegging height of 250mm (in steps of 50mm)	6.810.221.00	92.0000.7548
Complete system for a maximum pegging height of 240mm (in steps of 60mm)	6.810.231.00	92.0000.7756

HESTAL *LiftMaster* 855N

The hydropneumatic *LiftMaster* 855N is offered as a tailored solution. The *LiftMaster* roof height adjustment units are connected individually with pre-filled and customised hydraulic hoses to the central hydraulic unit.

The *LiftMaster* 855N is especially well-suited for frequent lifting of very heavy roofs up to a maximum weight of 1,600kg, which can be lifted either unilaterally or completely. The roof can be lifted automatically with this *LiftMaster* type up to 580mm and pegged to a maximum height of 450mm, whereby the pegging

height needs to be defined and introduced by the customer.

The automatic operation of the *LiftMaster* 855N is secured by a dead man's switch. In default, the roof can also be lifted with the integrated hand pump. The quick-release couplings of the hydraulic hoses do not only enable a simple initial installation but also an easy exchange in case of damage.

Advantages

- › For roof weights (including pillars, tarpaulin, etc.) up to 1,600kg
- › Variable lifting of the roof up to 580mm possible
- › Pegging heights up to a maximum height of 450mm possible, to be defined and introduced by the customer
- › Convenient and easy operation
- › Robust and reliable system, even for high frequency usage and heavy roofs
- › Quick roof lifting due to central control by the hydraulic unit
- › In case of default lifting with hand pump possible
- › Integrated overload protection for the prevention of damage to the hydraulics in the event of incorrect operation



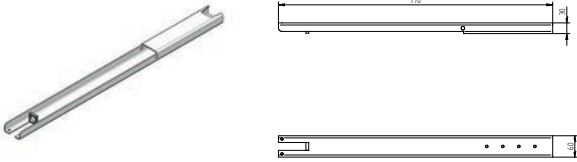
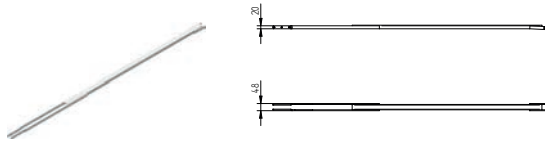
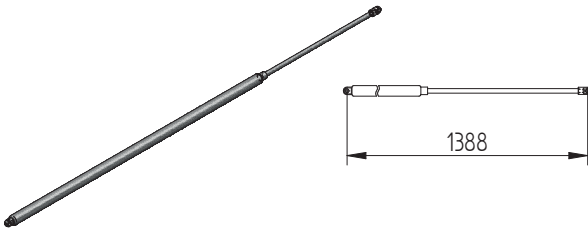
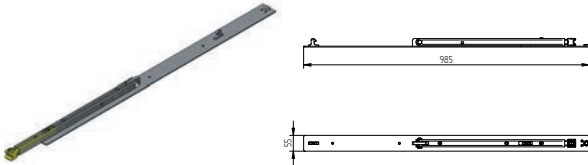
Standard product versions

<i>LiftMaster</i> 855N	Hesterberg article number	BPW article number
System without hoses	6.810.090.00	95.0000.0034

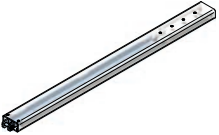
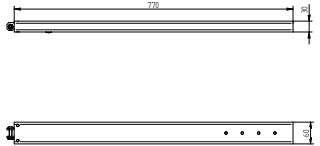
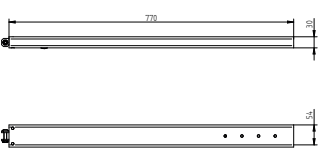
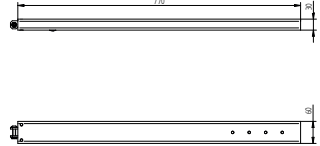
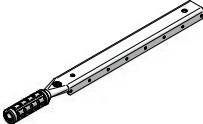
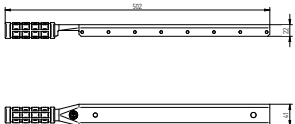
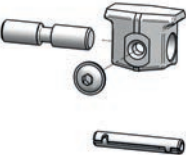
Please ask Hesterberg directly about hydraulic hoses which match your vehicle superstructure.

[Back to table of content](#)

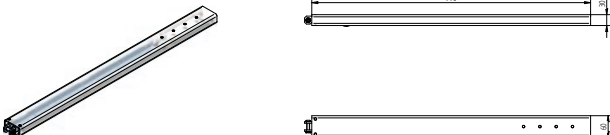
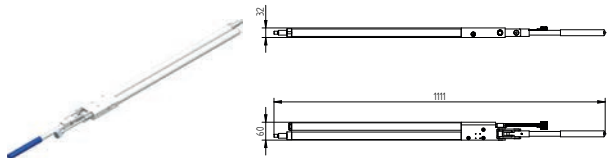
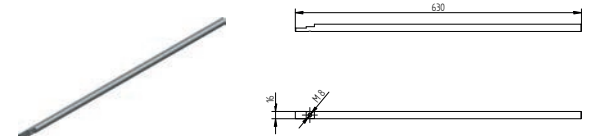
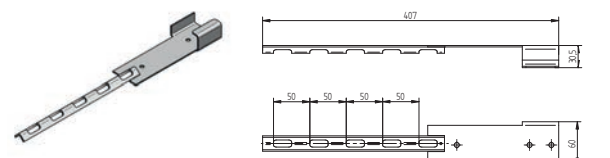
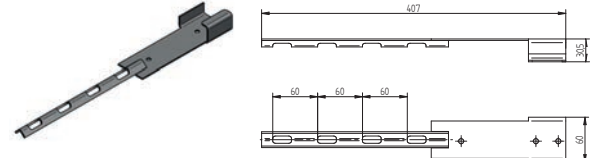
HESTAL LiftMaster 750N – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	BG guiding channel for LiftMaster 750N	2,08	6.810.202.99
	BG2 push tab for LiftMaster 750N	3,80	6.810.202.98
	BG knee-lever, complete for LiftMaster 750N 50mm plug-in unit 60mm plug-in unit	3,77	6.810.202.97 6.810.232.99
	Gas spring for LiftMaster 750N Up to 330kg roof weight 330 to 480kg roof weight 480 to 600kg roof weight 600 to 700kg roof weight 700 to 800kg roof weight	0,21	6.810.202.84 6.810.202.60 6.810.202.68 6.810.202.72 6.810.202.76
	BG hand lever with hand lever bearing for LiftMaster 750N	2,50	6.810.202.96
	Set of small parts for LiftMaster 750N	0,26	6.810.202.57

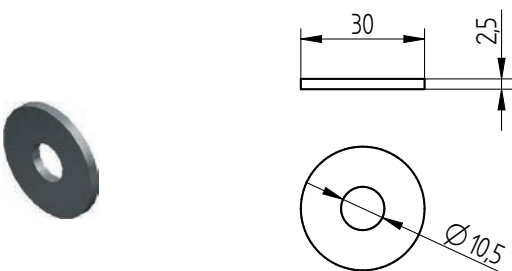
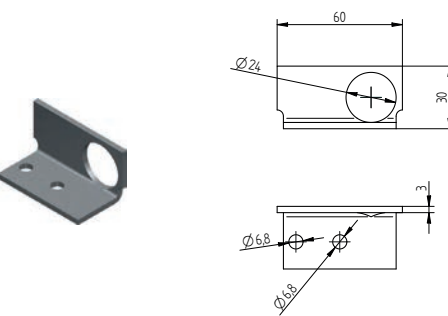
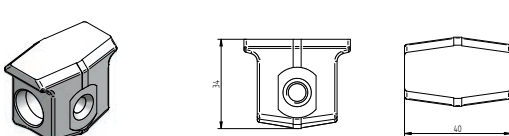
HESTAL LiftMaster 770N – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	 BG guiding channel 120 for LiftMaster 770N, 771N, 855N	6,58	6.810.078.59
	 BG guiding channel 170 for LiftMaster 770N	6,64	6.810.067.59
	 BG guiding channel 300 for LiftMaster 770N	6,64	6.810.194.59
	BG lifting mechanism for LiftMaster 770N 300mm lifting height, 120mm pegging height 400mm lifting height, 120mm pegging height 500mm lifting height, 120mm pegging height 500mm lifting height, 170mm pegging height 500mm lifting height, 300mm pegging height	10,04	 6.810.179.60 6.810.168.60 6.810.169.60 6.810.183.60 6.810.199.60
	 BG hand lever for LiftMaster 770N	0,85	6.810.060.53
	Set of small parts for LiftMaster 770N and 855N	0,21	6.810.085.81

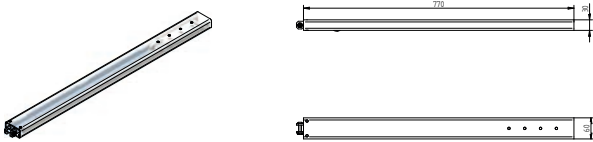
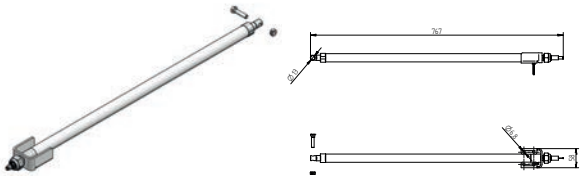
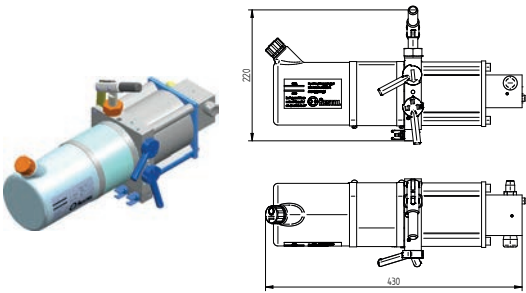
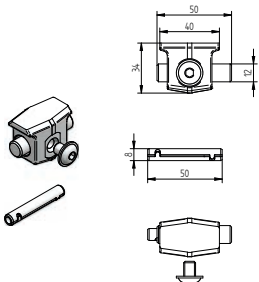
HESTAL LiftMaster 771N – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	BG guiding channel 120 for LiftMaster 770N, 771N, 855N	6,58	6.810.078.59
	Compact hydraulics for LiftMaster 771N	5,06	6.810.222.60
	Adapter rod for LiftMaster 771N	0,68	6.810.222.01
	BG retaining clamp with plug-in unit 50mm for LiftMaster 771N	0,30	6.810.221.98
	BG retaining clamp with plug-in unit 60mm for LiftMaster 771N	0,30	6.810.221.99
	BG hand lever with plug-in unit for LiftMaster 771N	0,49	6.810.221.50

HESTAL *LiftMaster* 771N – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Stop washer for LiftMaster 771N	0,02	6.810.221.07
	Guiding angle for LiftMaster 771N	0,06	6.810.221.02
	Pivot bearing for LiftMaster 750N, 770N, 771N, 855N	0,15	6.810.078.99

HESTAL *LiftMaster* 855N – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	BG guiding channel 120 for LiftMaster 770N, 771N, 855N	6,58	6.810.078.59
	Hydraulic cylinder for LiftMaster 855N	3,00	6.810.088.53
	Hydraulic unit for LiftMaster 855N	6,14	6.810.088.03
	Set of small parts for LiftMaster 770N and 855N	0,21	6.810.085.81

OVERVIEW



➤ **HESTAL CargoMaster 501, 502**

➤ **VarioSave**

HESTAL *CargoMaster*

The patented HESTAL *CargoMaster* is a specifically designed expander rope system for load securing. Thanks to this system, load securing equipment like straps, nets or tarpaulins does no longer need to be thrown over the loading good manually.

Due to an intelligent swivel and clamping technology, the unused straps, nets or tarpaulins are pulled for storage automatically very close under the vehicle roof. In this position they are not disturbing the loading process and are at hand any time to quickly and easily secure cargo from the ground.

The *CargoMaster* is mainly used in full-cover vehicles or curtainsiders (truck and trailer). The modular system can be integrated into the vehicle by using different fastening options and differs according to the type of load securing equipment used.

The system can be attached to the roof in two different ways. Type 501 enables a fixed connection of the *CargoMaster* with attachment straps or hose clamps. The attachment straps are wrapped around the roof beams while the hose clamps are attached to the roof bows.

Type 502 is a sliding rail system which is riveted to the roof rail. Due to the guided roller carriages the *CargoMaster* can be positioned not only easily but also exactly above the cargo. This enables a very fast, effective and safe load securing process.

Both *CargoMaster* roof attachment types are available as two variants. In case straps shall be used, Type S is needed, while Type N is suitable for nets and tarpaulins.

CargoMaster types

			Full-cover tarpaulin	Curtainsider
Type of roof attachment			Type of load securing equipment	
			Straps (Type S)	Nets / Tarpaulins (Type N)
Type 501	Attachment straps for roof beams		✓	
	Hose clamps for roof bows		✓	✓
Type 502	Sliding rails for roof rails			✓ *

* Check of roof rail is necessary to ensure that the sliding rail can be attached (see check list)

CargoMaster roof attachment

Type 501	Type 502
Very light and high quality expander rope system	
Several options for roof attachments	
Safe and easy installation of the expander rope system under non-tensioned condition	
Easy and direct attachment to the roof with attachment straps or hose clamps	Quick and safe riveting of the sliding rail system to the roof rail due to an intelligent bracket system
	Size-optimised roller carriages with high quality ball bearing
	Expander rope system can be moved smoothly in longitudinal direction with the sliding rails

Components roof attachment Type 501

The attachment strap fastening consists of:

- › Attachment straps
- › Snap hooks

The hose clamp fastening consists of:

- › Hose clamps
- › Snap hooks
- › D-rings

Components roof attachment Type 502

- › Sliding rails
- › Single brackets
- › Double brackets
- › Stoppers
- › Rivets and screws

CargoMaster load securing equipment

The two *CargoMaster* Types S and N differ in the load securing equipment that shall be used to secure the cargo on the truck or trailer. While straps are connected to the expander ropes by means of guiding plates,

nets and tarpaulins are fixed by snap hooks. The load securing equipment is not included in the scope of delivery.



CargoMaster Type 502S



CargoMaster Type 502N

Benefits

- › Time saving because the strap lifts, nets or tarpaulins are always at hand and the cargo can be secured quickly and easily from the ground
- › Increase of durability and cleanness of the used load securing equipment
- › Minimised space of the *CargoMaster* expander rope system due to patented swivel and clamping technology
- › Improved traffic and work safety because the system can be used so easily and fast from the ground, that the motivation for load securing rises and the operator does not need to climb up the vehicle anymore.

Application examples



Space-saving system



Increased cleanliness



Always at hand



Flexible system



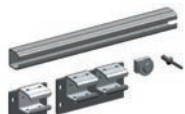
Fast positioning



Easy load securing

[Back to table of content](#)

Product overview

Type of roof attachment	Type of load securing equipment			
	Type S for straps			
	Drawing	Number of CargoMaster	Hesterberg article number	BPW article number
Type 501 with attachment straps		1	1.000.319.00	92.0000.7313
		6	1.000.320.00	92.0000.7132
		12	1.000.321.00	92.0000.7137
Type 501 with hose clamps		1	1.000.322.00	92.0000.7314
		6	1.000.323.00	92.0000.7138
		12	1.000.324.00	92.0000.7139
Type 502 with roller carriages		1	1.000.310.00	92.0000.5711
		6	1.000.317.00	92.0000.7135
		12	1.000.318.00	92.0000.7136
Type 502 with roller carriages incl. sliding rail system (complete system)		6	1.000.315.00 ¹	92.0000.7133
		12	1.000.316.00 ²	92.0000.7134
	Type N for nets or tarpaulins			
Type 501 with attachment straps		1	1.000.329.00	92.0000.7842
		6	1.000.330.00	92.0000.7843
		12	1.000.331.00	92.0000.7844
Type 501 with hose clamps		1	1.000.332.00	92.0000.7845
		6	1.000.333.00	92.0000.7846
		12	1.000.334.00	92.0000.7847
Type 502 with roller carriages		1	1.000.326.00	92.0000.7856
		6	1.000.327.00	92.0000.7840
		12	1.000.328.00	92.0000.7841
Type 502 with roller carriages incl. sliding rail system (complete system)		6	1.000.335.00 ³	92.0000.7848
		12	1.000.336.00 ⁴	92.0000.7849
Sliding rail system suitable for Type S and Type N				
Sliding rail system		Small (7m-superstructures)	1.000.315.54	92.0000.7851
		Large (14m-superstructures)	1.000.316.54	92.0000.7852

Load securing equipment e.g. straps, nets or tarpaulins
are not included in the scope of delivery

¹ 1.000.315.00 for 7m-superstructures = 1.000.315.54 + 1.000.317.00

² 1.000.316.00 for 14m-superstructures = 1.000.316.54 + 1.000.318.00

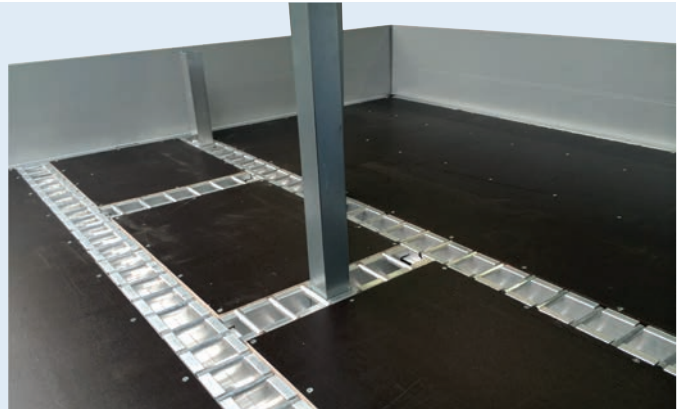
³ 1.000.335.00 for 7m-superstructures = 1.000.315.54 + 1.000.327.00

⁴ 1.000.336.00 for 14m-superstructures = 1.000.316.54 + 1.000.328.00

[Back to table of content](#)

VarioSAVE®

Load securing



VarioSAVE

In conjunction with our aluminium HESTAL BASE flat-bed kit, the VarioSAVE system is the positive-fit load securing for piece goods and long material in the field of steel and long load transports.

VarioSAVE can be positioned variably and used in longitudinal and transverse direction within the cargo space. Various methods of securing e.g. mobile bulkhead versions and variable lashing possibilities of the VarioSAVE sticks allow individual loading. This depends on the goods being transported.

The aluminium VarioSAVE system can also be used as a lashing point (Fig. 1). This enables the load securing aid to be optimised according to the goods being transported. As a result the loading time will be shortened significantly.

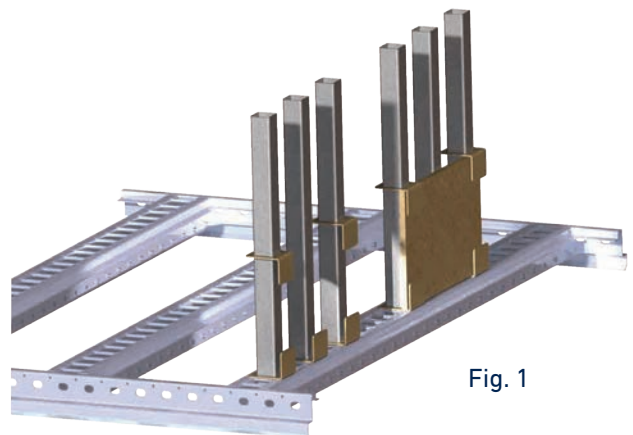


Fig. 1

Users say: "...never again without..."

"We save approx. 30 minutes loading time per vehicle during loading of our delivery vehicles on the eve, we can load with positive-fit locking in several levels and randomly need additional lashing aids ...", says plant manager Mr Heimann at G. Elsinghorst Stahl und Technik GmbH in Bocholt who, with 7 vehicles, was one of the first VarioSAVE customers in Germany.

"VarioSAVE can be used very efficiently for mixed loads in regional delivery transports. 10 minutes load securing time can be easily saved at each place of unloading on the customer's premises. With four to six unloading points a day, that means up to 5 hours load securing time saved per week and vehicle."

Background: G. Elsinghorst Stahl und Technik GmbH

G. Elsinghorst is a strong partner for industry, trade and the building sector. On a total area of 43,100m² for retail market, stores and offices, Elsinghorst with its stock of 12,000 tonnes of sectional steel, bar steel, plates, tubes, stainless steel and NF-metals ensures an optimum supply to the steel trade and structural steel industry in North-Rhine Westphalia and the Netherlands at any time.

The complete article can be read at www.variosave.de.

Technology

- › High-strength aluminium alloy
- › Max. load on cross beam in longitudinal direction: 1500 daN
- › Max. load on cross beam in transverse direction: 1000 daN
- › Sticks available in 600 and 1200mm height
- › Ground subsidence 27mm
- › Bolted version
- › Round bolts as lashing point in accordance with DIN EN 12640 up to 1500 daN loading capacity



VarioSAVE Aluminium

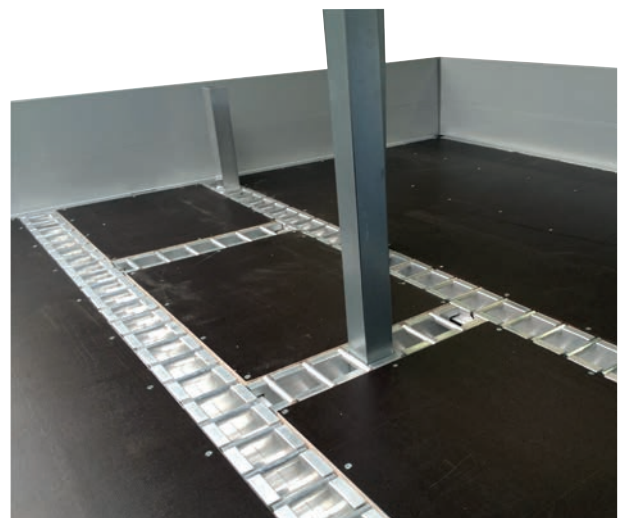
Benefits

- › Time saving during cargo securing (due to elimination of lashing)
- › Time saving during loading and unloading
- › Easy to operate
- › Significant reduction of cargo damages
- › Maximum flexibility for cargo securing
- › Increased transport safety due to positive-fit locking
- › Considerable reduction of damages in transit



Advantages

- › Weight saving:
 - Up to 40 % lighter compared to the steel version
 - Hence lower fuel consumption and
 - Increased payload
- › Ease of installation:
 - Quick installation due to modular system and clamped construction
- › Product reliability:
 - TÜV certification



OVERVIEW

**> Espagnolette lock HESTAL LockMaster 709**[Back to table of content](#)

ESPAGNOLETTE LOCK HESTAL *LockMaster 709.18*

The HESTAL LockMaster 709.18 can be used with curtainsider, flatbed, folding wall and box van superstructures. The LockMaster 709.18 impresses with its high-strength and robust and its easy handling.

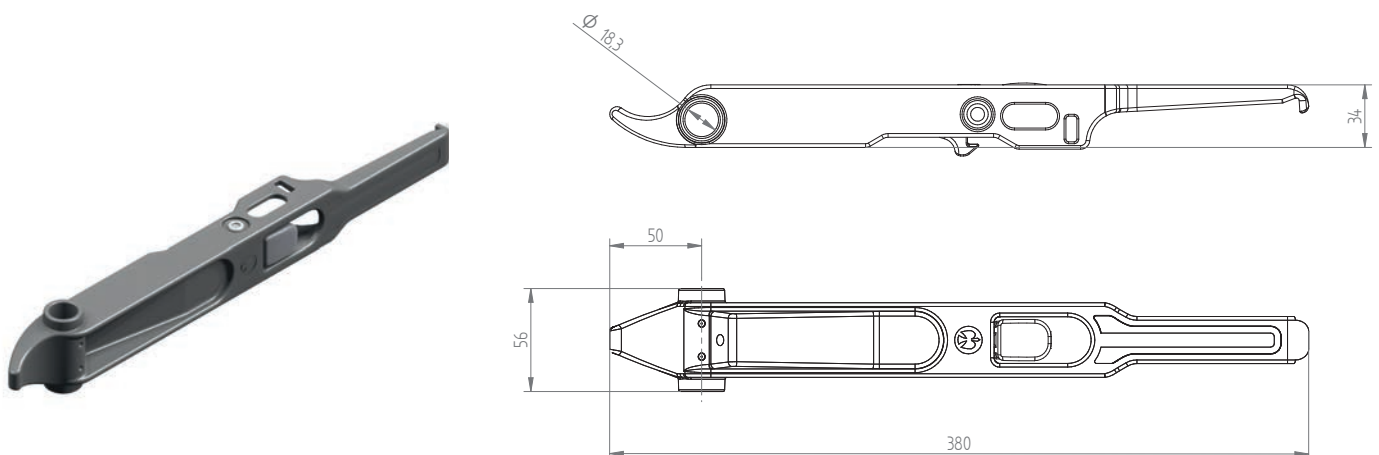
Technology

- › Self-locking safety button
- › The self-locking detent is additionally held in the closed position by a separate pawl
- › For 25mm and 30mm door thickness
- › Same version for left and right doors
- › Collision protection
- › Lockable with padlock + cylinder lock
- › Good closing behaviour for locking the doors
- › Customs version possible (German Customs Criminal Investigation Office certificate)
- › Optimised anti-rack properties
- › Retrofitting of door holding facility (door fix) possible
- › Pivotal spacing 22 + 1mm
- › For M8 (8.8) mounting bolts
- › Hot-dip galvanised version
- › Additional powder-coating of the clamping lever

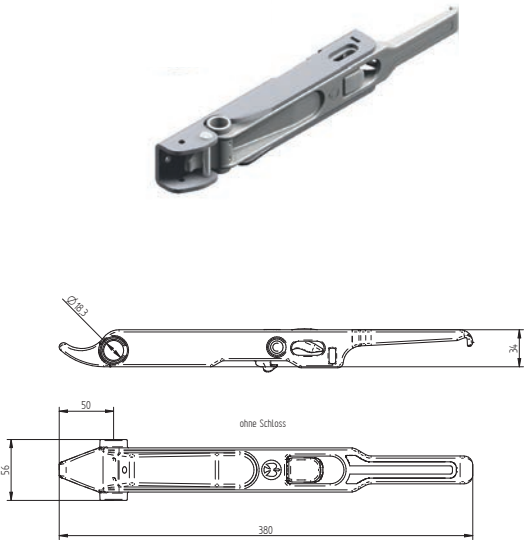
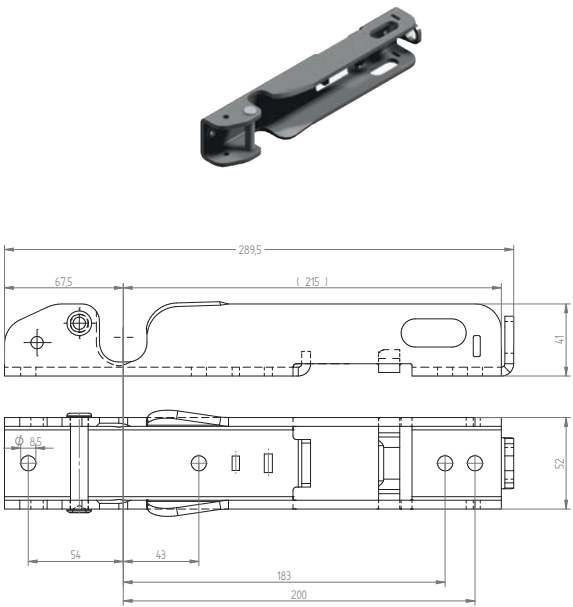
Versions

Hot-dip galvanised in accordance with FHS-TL 9.22

Clamping lever additionally powder-coated

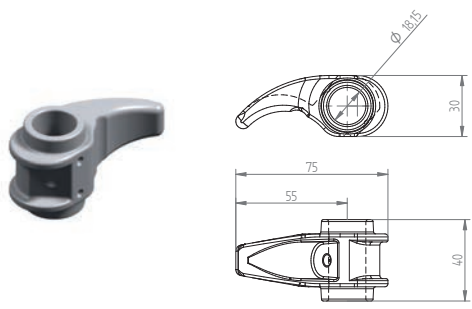
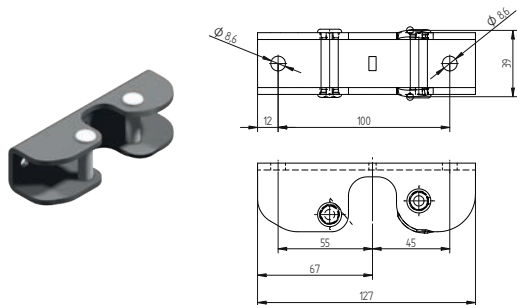
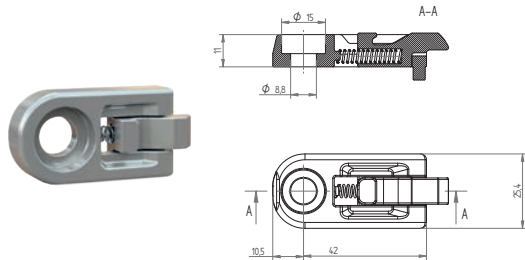
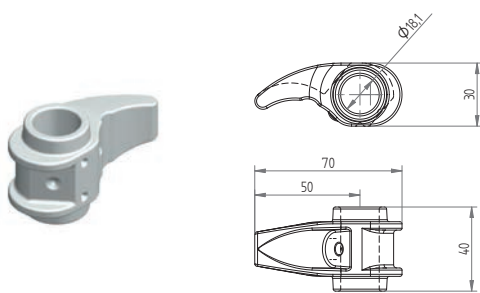


HESTAL LockMaster 709.18 – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Clamping lever Ø 18 mm Without lock With lock	1,15	6.141.233.98 6.141.233.99
	Counterholder, bottom	1,11	6.141.234.50

[Back to table of content](#)

HESTAL LockMaster 709.18 – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Leading clamping cam Ø 18mm	0,18	6.141.121.99
	Counterholder, top	0,38	6.141.695.99
	Door fix	0,08	6.141.719.99
	Clamping cam Ø 18 mm, standard	0,18	6.141.673.99

OVERVIEW



- **Surface-mounted fastener HESTAL *LockMaster* 890**
- **Built-in fastener HESTAL *LockMaster* 891**
- **Built-in fastener HESTAL *LockMaster* 888**

SURFACE-MOUNTED FASTENER HESTAL *LockMaster 890*

The LockMaster 890 is a surface-mounted fastener for dry freight and refrigerated body van superstructures.

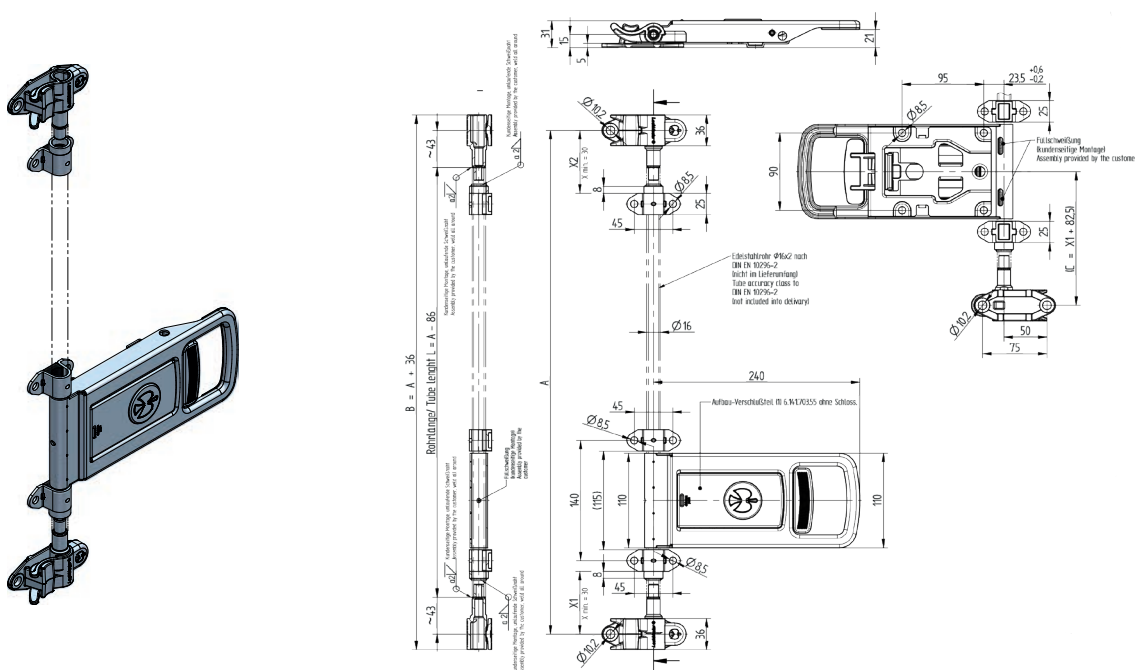
Technology

- › The design is very robust and of light weight
- › The different LockMaster versions are available without and with a cylinder lock (different closures are available)
- › Suitable for bar diameters of 16mm, 20mm and 27mm
- › The LockMaster 890 is the ideal and shapely surface-mounted fastener for dry freight and refrigerated body van superstructures
- › For a bar diameter of 27mm the LockMaster is also available with a flat bar handle. This is LockMaster 890.27NSE

Accessories

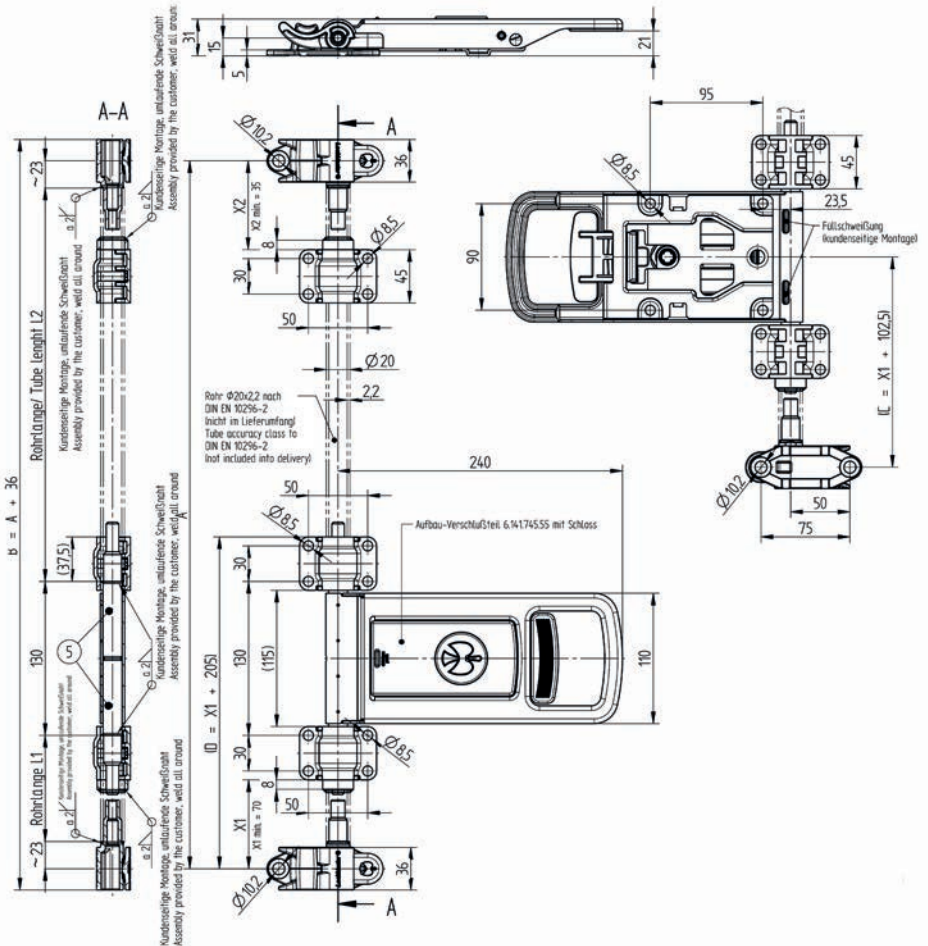
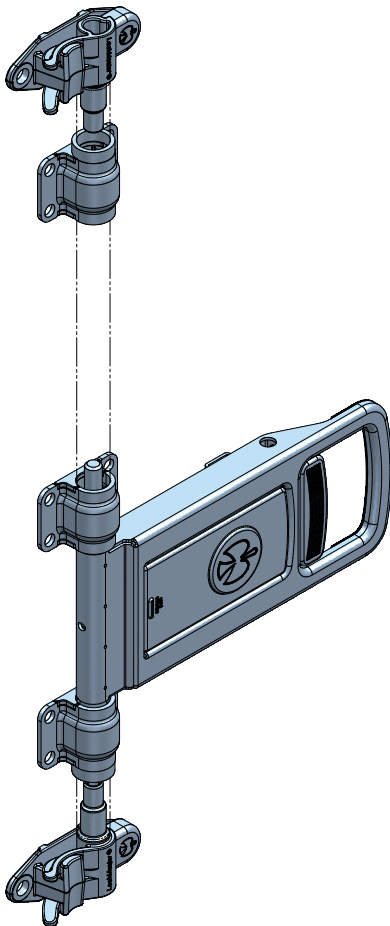
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SURFACE-MOUNTED FASTENER HESTAL *LockMaster 890.16N*



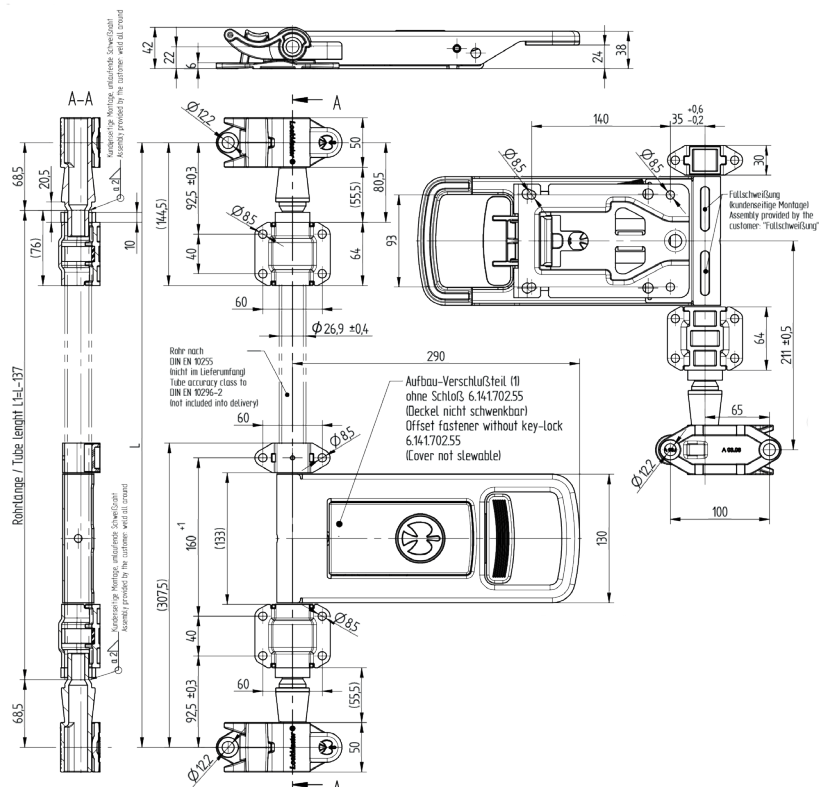
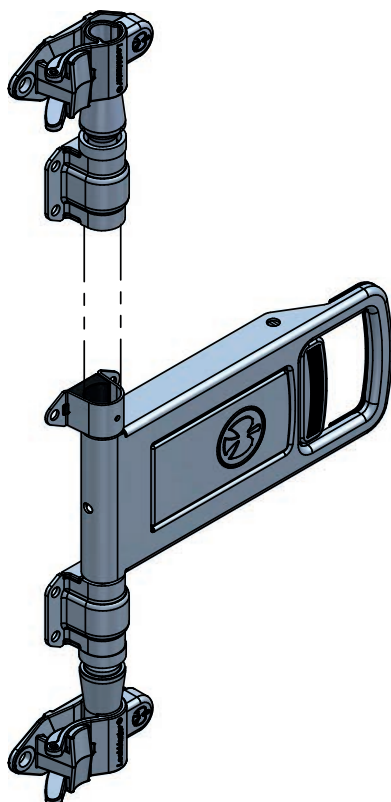
Description	Weight [kg]	Article No.
LockMaster 890.16N - stainless steel, complete without lock	1,85	6.141.791.00
LockMaster 890.16N - stainless steel, complete with lock	1,85	6.141.792.00

SURFACE-MOUNTED FASTENER HESTAL *LockMaster* 890.20N



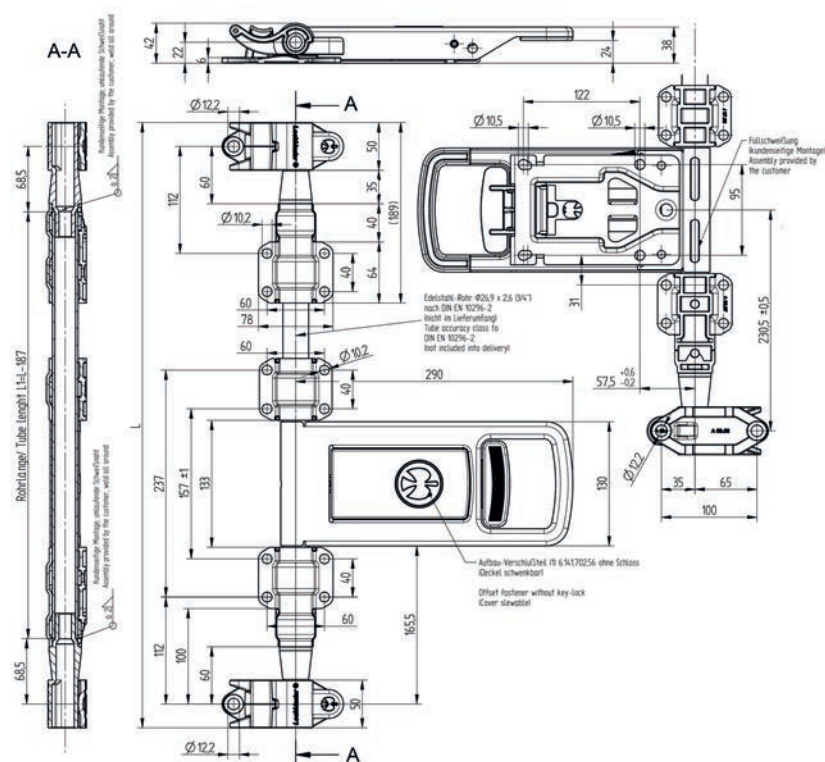
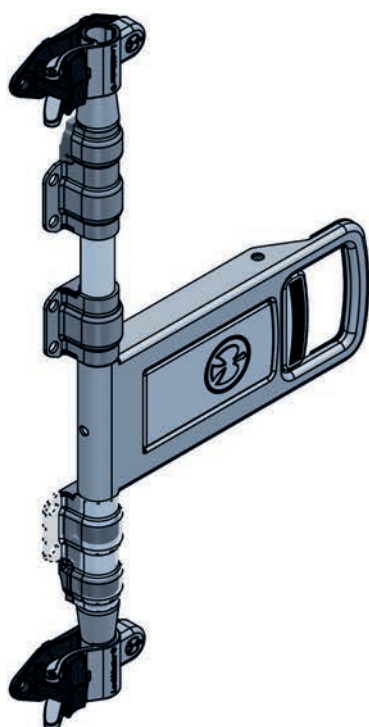
Description	Weight [kg]	Article No.
LockMaster 890.20N - stainless steel, complete without lock	1,85	6.141.793.00
LockMaster 890.20N - stainless steel, complete with lock	1,85	6.141.794.00

SURFACE-MOUNTED FASTENER HESTAL *LockMaster* 890.27A



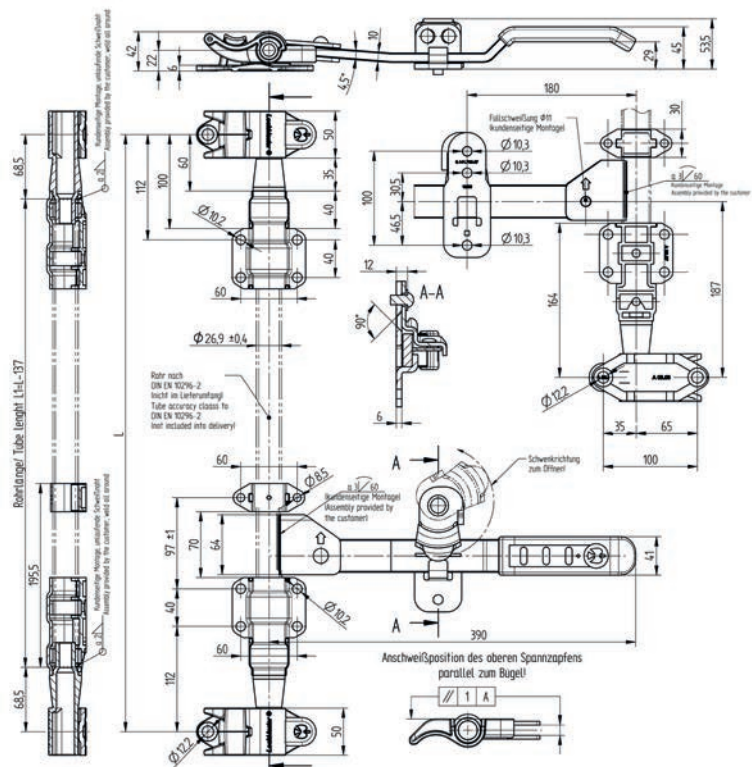
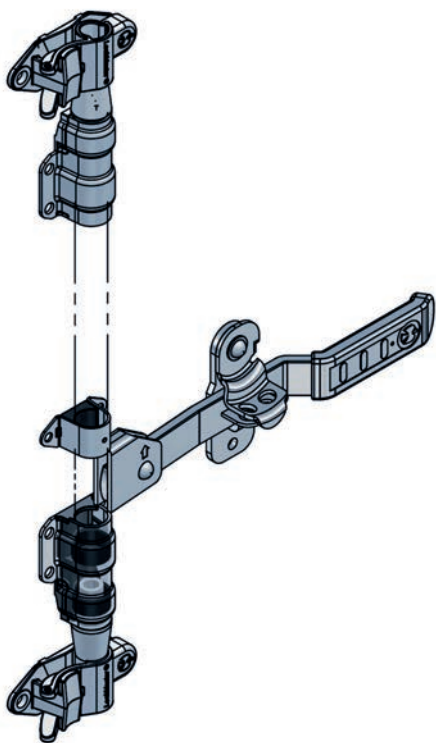
Description	Weight [kg]	Article No.
LockMaster 890.27A - stainless steel, complete without lock	1,85	6.141.776.00
LockMaster 890.27A - stainless steel, complete with lock	1,85	6.141.777.00

replacement for article no. 6.141.702 or 6.141.702.35

SURFACE-MOUNTED FASTENER HESTAL *LockMaster 890.27N*

Description	Weight [kg]	Article No.
LockMaster 890.27N - stainless steel, complete without lock	1,85	6.141.788.00
LockMaster 890.27N - stainless steel, complete with lock	1,85	6.141.789.00

SURFACE-MOUNTED FASTENER HESTAL *LockMaster* 890.27NSE



Description	Weight [kg]	Article No.
LockMaster 890.27NSE	1,85	6.141.790.00

BUILT-IN FASTENER HESTAL *LockMaster* 891

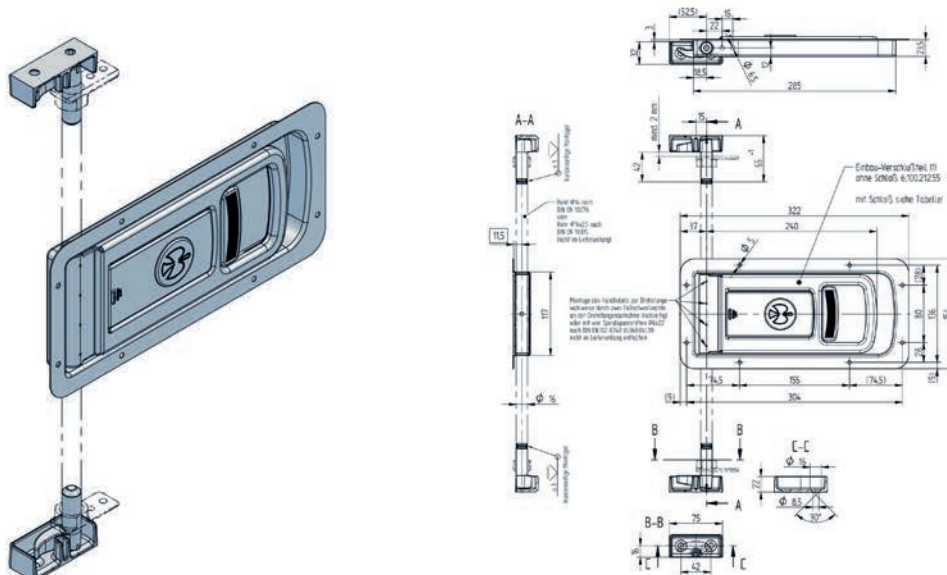
The LockMaster 891 is a built-in fastener for dry freight and refrigerated body van superstructures.

Technology

- › The design is very robust and of light weight
- › The different LockMaster versions are available without and with a cylinder lock (different closures are available)
- › The LockMaster 891 is the ideal built-in fastener for dry freight and refrigerated body van superstructures
- › Suitable for bar diameters of 16mm and 20mm
- › Different recess versions are available for a bar diameter of 16mm

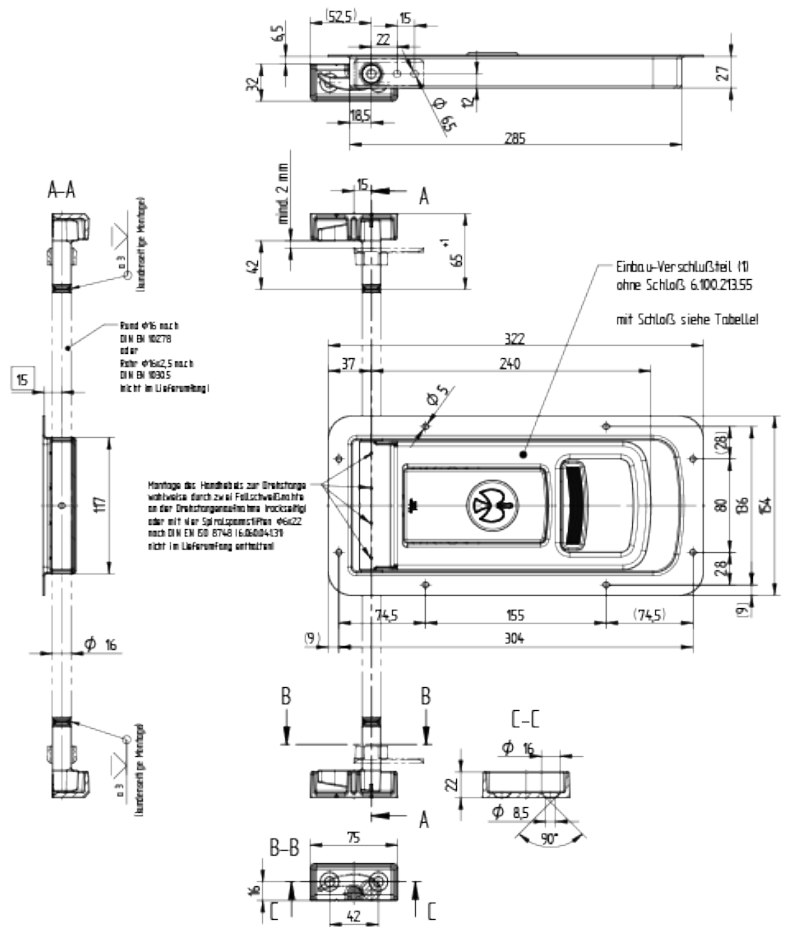
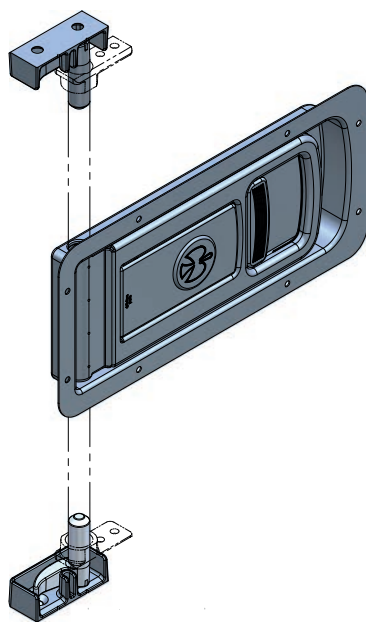
Accessories

Attached

BUILT-IN FASTENER HESTAL *LockMaster* 891.16

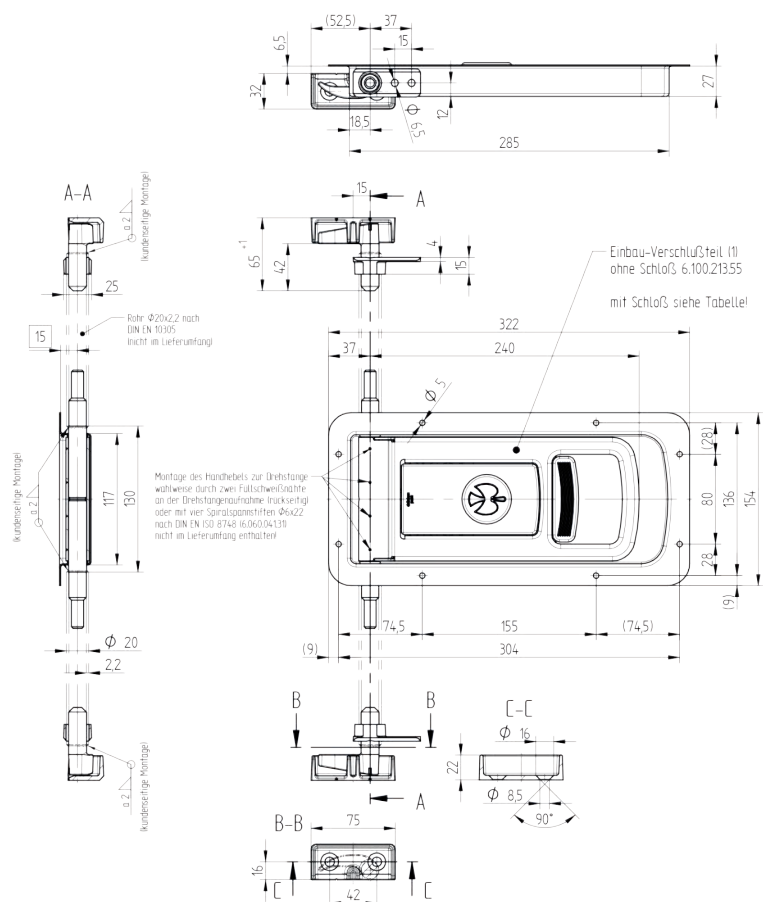
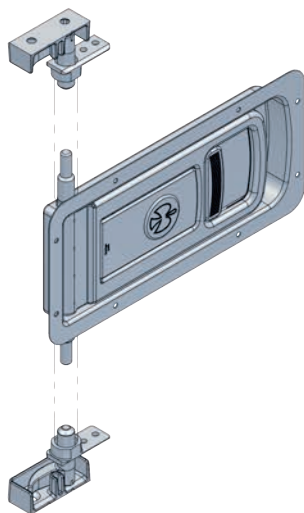
Description	Weight [kg]	Article No.
LockMaster 891.16 - stainless steel, complete without lock	2,10	6.100.212.00
LockMaster 891.16 - stainless steel, complete with lock	2,10	6.100.216.00

BUILT-IN FASTENER HESTAL *LockMaster* 891.16T



Description	Weight [kg]	Article No.
LockMaster 891.16T - stainless steel, complete without lock	2,13	6.100.213.00
LockMaster 891.16T - stainless steel, complete with lock	2,13	6.100.226.00

BUILT-IN FASTENER HESTAL *LockMaster* 891.20



Description	Weight [kg]	Article No.
LockMaster 891.20 - stainless steel, complete without lock	2,60	6.100.215.00
LockMaster 891.20 - stainless steel, complete with lock	2,60	6.100.246.00

BUILT-IN FASTENER HESTAL *LockMaster* 888

The LockMaster 888 is a built-in fastener for dry freight and refrigerated body van superstructures.

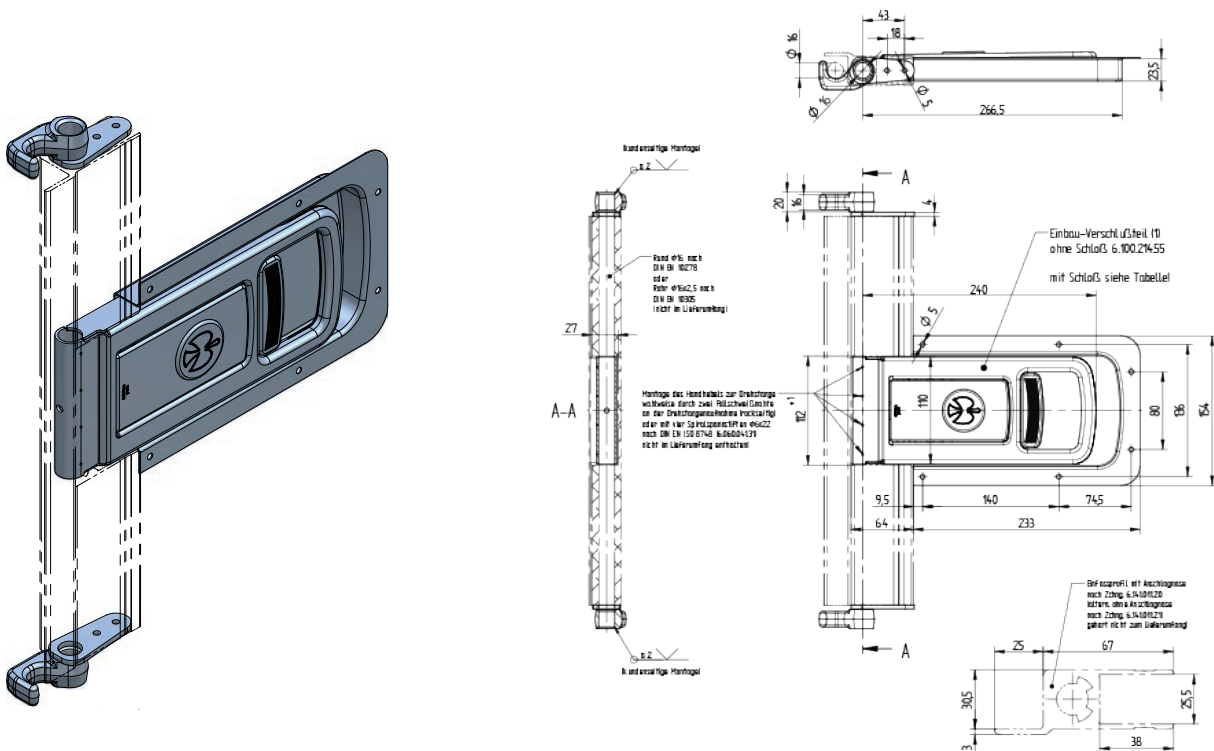
Technology

- › The design is very robust and of light weight
- › The different LockMaster versions are available without and with a cylinder lock (different closures are available)
- › LockMaster 888.16 is a built-in fastener for espagnolettes with a diameter of 16mm
- › Shortened recess to use the espagnolette which is guided through the bezel profile

Accessories

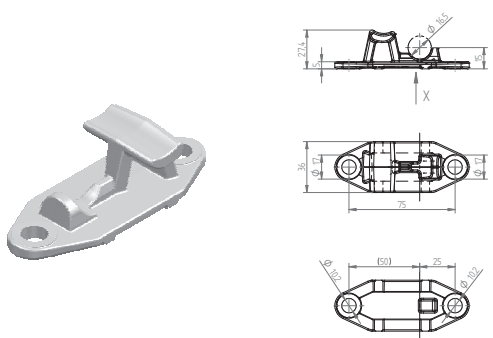
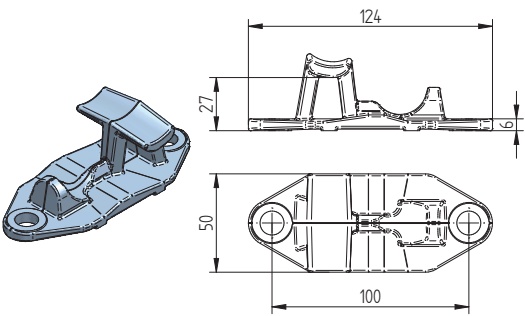
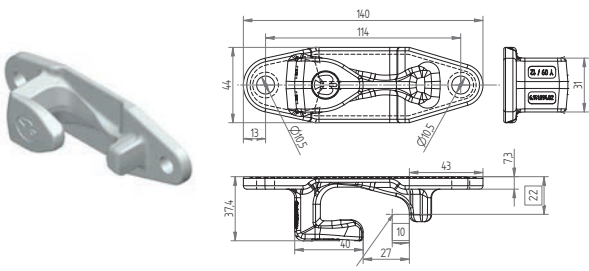
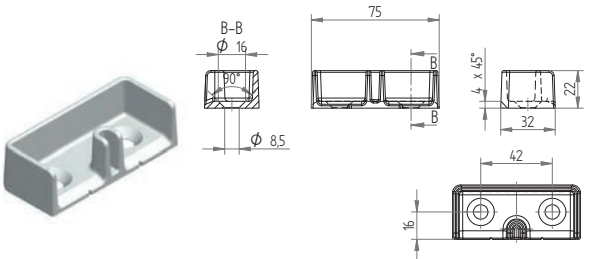
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BUILT-IN FASTENER HESTAL *LockMaster* 888.16

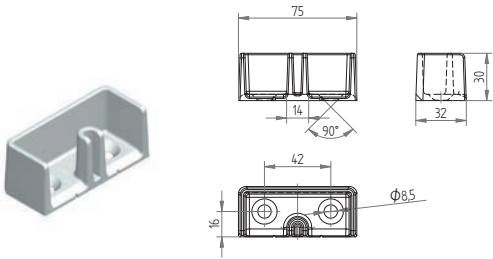
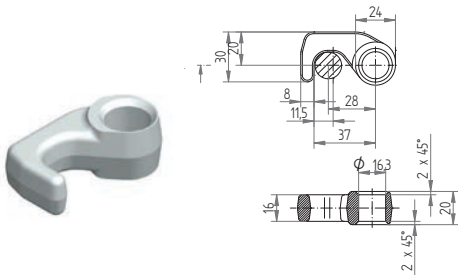
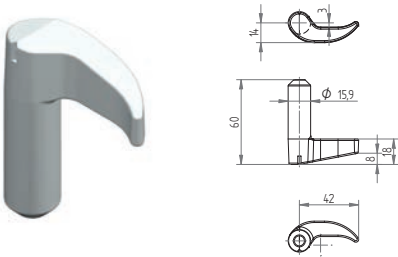
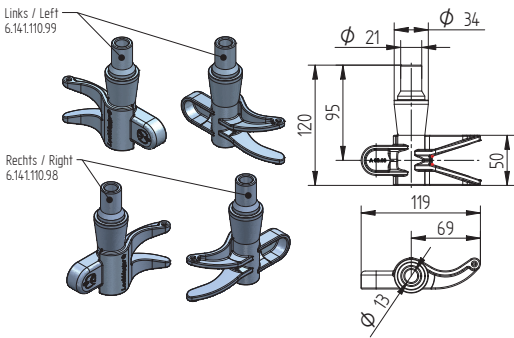


Description	Weight [kg]	Article No.
LockMaster 888.16 - stainless steel, complete without lock	1,775	6.100.214.00
LockMaster 888.16 - stainless steel, complete with lock	1,706	6.100.236.00

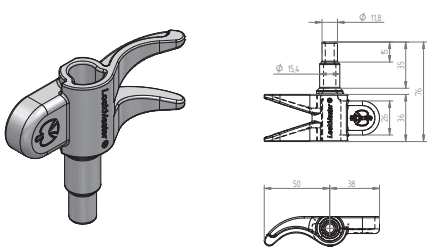
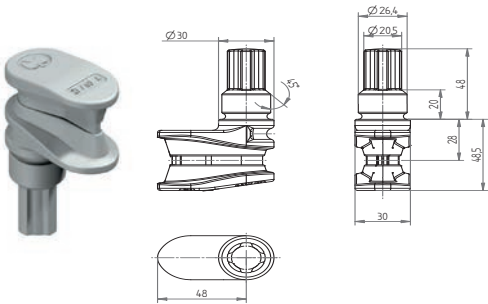
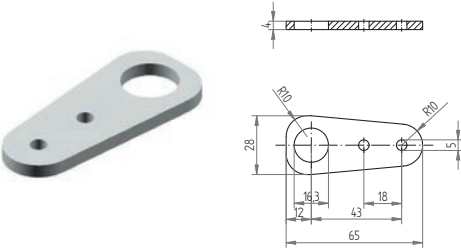
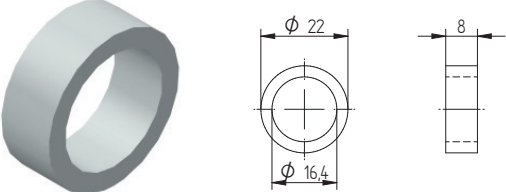
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Counterholder 890.16N 890.20N	0,14	6.141.703.97
	Counterholder 890.27A 890.27N 890.27NSE	0,28	6.141.110.97
	Counterholder 890	0,39	6.141.094.99
	Lock case, narrow 891.16 891.16T 891.20	0,14	6.100.212.97

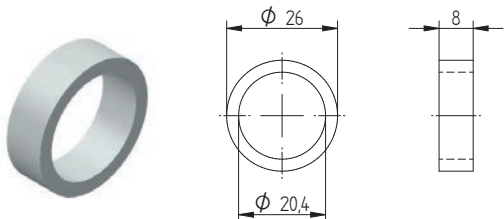
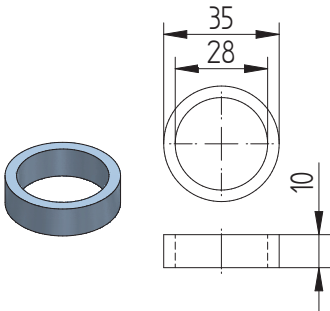
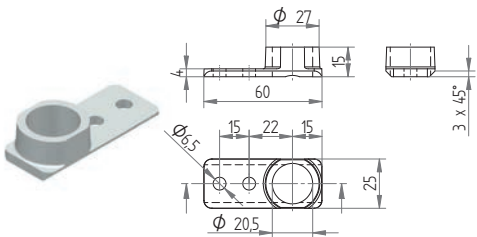
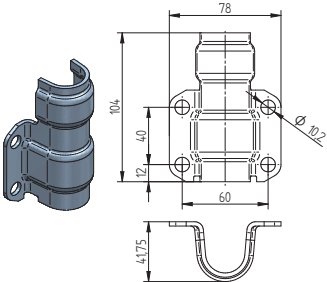
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Lock case, high 891.16 891.16T 891.20	0,19	6.100.212.95
	Finger 888.16	0,12	6.070.027.98
	Rotating hook Left Right 891.16 891.16T 891.20	0,13	6.100.212.98 6.100.212.99
	Clamping pin Left Right 890.27A 890.27N 890.27NSE	0,48	6.141.110.99 6.141.110.98

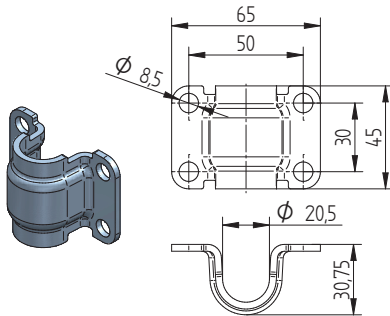
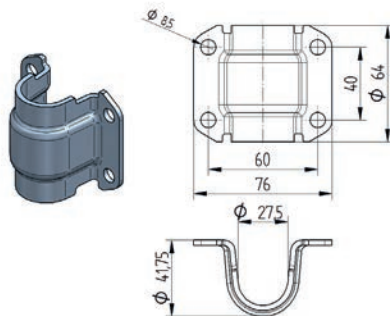
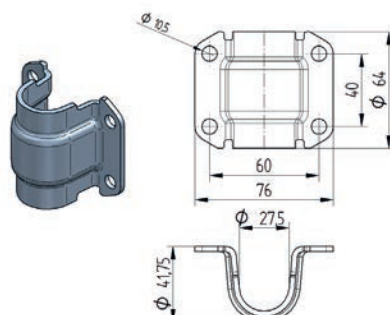
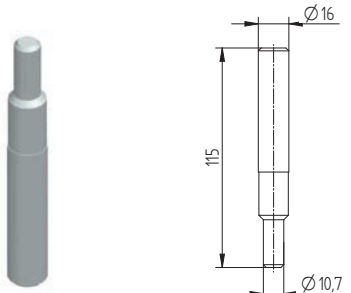
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Clamping pin Left Right 890.16N 890.20N	0,19	6.141.703.92 6.141.703.91
	Locking cam 890	0,49	6.141.094.98
	Cover plate 888.16	0,01	6.070.025.01
	Stop ring 890.16N	0,01	6.141.703.16

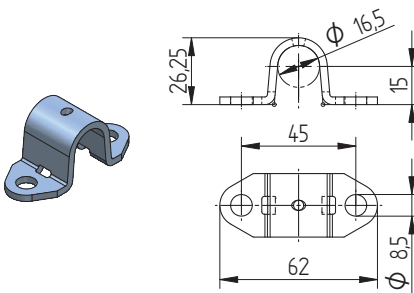
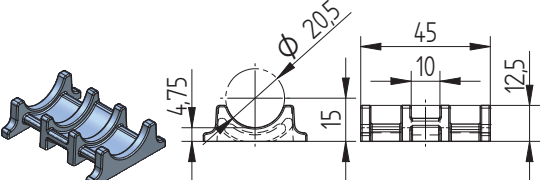
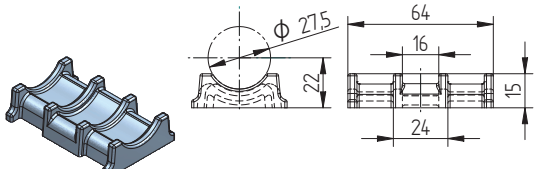
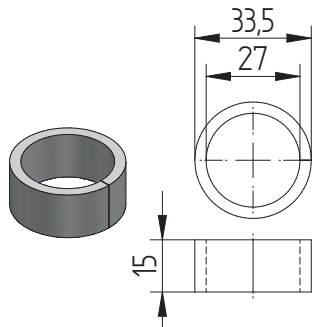
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Stop ring 890.20N	0,01	6.141.704.19
	Stop ring 980.27A	0,03	6.140.828.00
	Guide 891.16 891.16T 891.20	0,05	6.100.212.96
	Bar holder, long 890.27N 890.27NSE	0,24	6.141.110.10

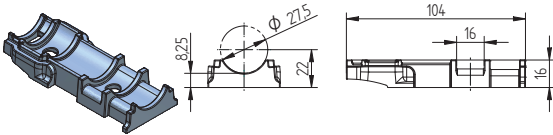
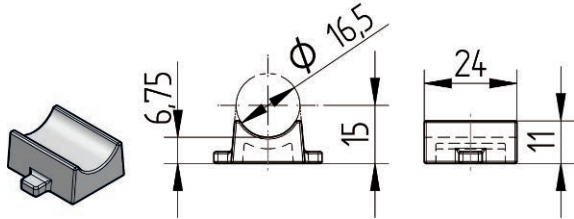
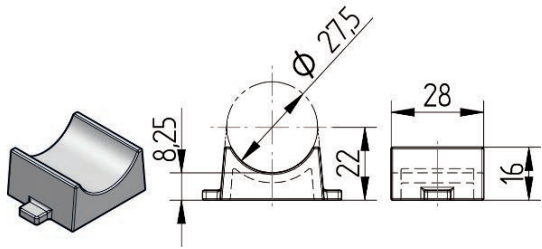
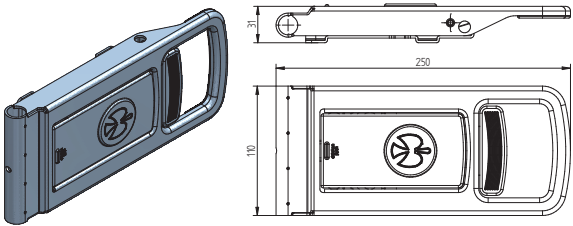
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Bar holder 890.20N	0,10	6.141.704.10
	Bar holder M8 890.27A	0,18	6.141.702.10
	Bar holder M10 890.27N	0,18	6.141.702.18
	Rotating pin 890.20N 891.20	0,15	6.100.198.01

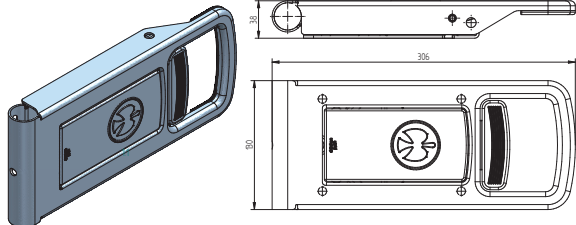
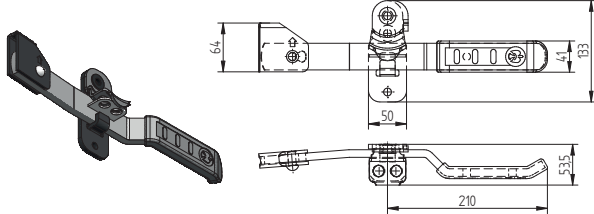
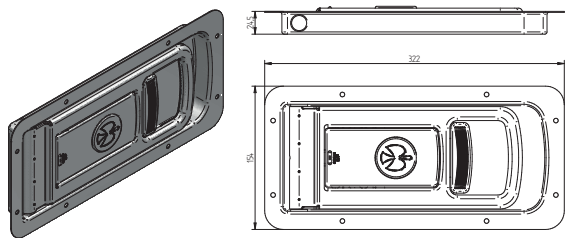
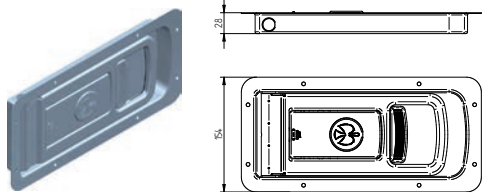
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Bar guide 890.16N	0,05	6.141.703.13
	Support 890.20N	0,05	6.141.704.97
	Support 890.27A 890.27N	0,12	6.141.702.97
	Plastic bushing 890.27A 890.27N 890.27NSE	0,01	6.141.702.12

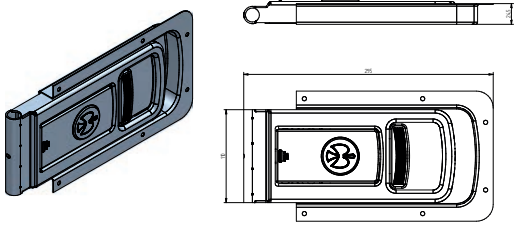
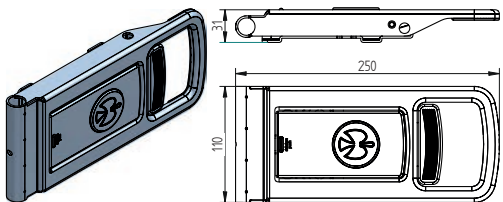
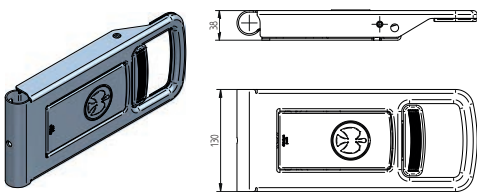
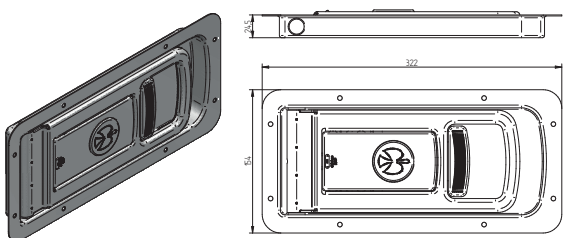
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Support, long 890.27N 890.27NSE	0,17	6.141.110.91
	Guiding support 890.16N	0,01	6.141.703.14
	Guiding support 890.27A 890.27NSE	0,01	6.141.702.14
	Locking part, without lock 890.16N 890.20N	1,03	6.141.703.55

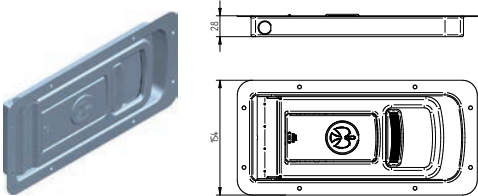
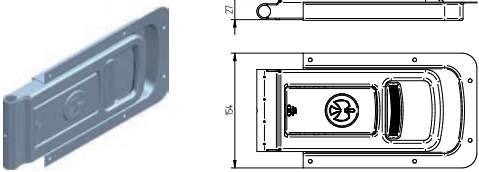
HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Locking part, without lock 890.27A 890.27N	1,69	6.141.702.55
	Locking part NSE 890.27NSE	1,47	6.141.726.55
	Locking part, without lock 891.16	1,55	6.100.212.55
	Locking part, without lock 891.16T 891.20	1,58	6.100.213.55

HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Locking part, without lock 888.16	1,47	6.100.214.55
	Locking part, with lock (different closures available) 890.16N 890.20N	1,08	6.141.745.55
	Locking part, with lock (different closures available) 890.27A 890.27N	1,62	6.141.735.55
	Locking part, with lock (different closures available) 891.16	1,55	6.100.216.55

HESTAL LockMaster – INDIVIDUAL COMPONENTS

Figure	Description	Weight [kg]	Article No.
	Locking part, with lock (different closures available) 891.16T 891.20	1,58	6.100.226.55
	Locking part, with lock (different closures available) 888.16	1,47	6.100.236.55

OVERVIEW



- Long-range fasteners 710, 712, 715
- Corner system 720
- Flat-bolt fasteners 680, 682, 686
- Tension-bolt fasteners 681

[Back to table of content](#)

LONG-RANGE FASTENER 710

- For dropside vehicles
- Single locked; the locked position of the locking unit is held by an over dead centre position and a button locking device
- Easy to install, easy to operate
- Also available as customs version

Typical fields of application

- For 400 - 800mm dropsides
- The 710 fastener can be combined with the HESTAL SolidMaster dropside pillar system
- Depending on the installation situation and profile design, the 710 or 712 fastener is used, the 710 fastener has a plain front and an offset for the pillar connection at the back

Technology

- › Good closing behaviour thanks to interaction between pocket and bolt
- › Automatic adjustment
- › The hand lever folds in when the dropside is lowered
- › Unlocking and locking are both possible under cargo pressure
- › Cargo pressure detection by traction between bolt and pillar pocket
- › Above 600mm profile height the hand lever is covered by the tarpaulin
- › A special profile variant with lateral inspection openings for customs-specified dropside locking is available as an option for the 710 fastener

Versions

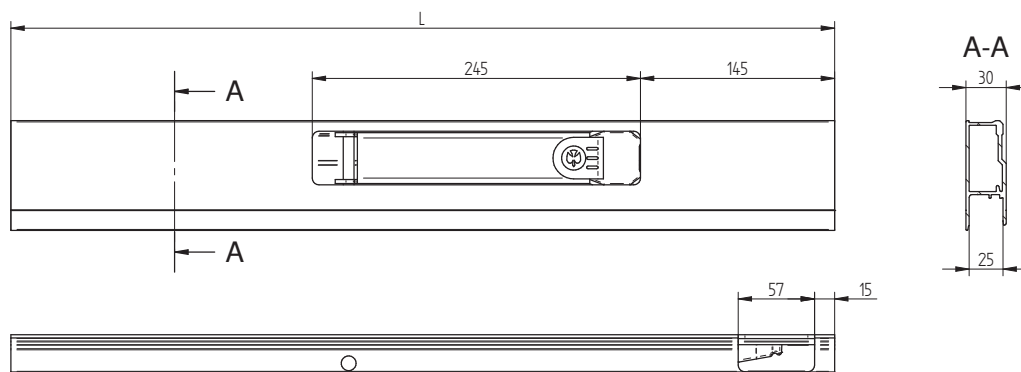
Locking mechanism: electro galvanised in accordance with FHS-TL 9.01

Aluminium profiles: available in various surface finishes, e.g. raw or anodised

Accessories

710.20 Pillar pocket, raw, for welding

Pillar pocket SolidMaster for screwing



710



LONG-RANGE FASTENER 710

Type	Description	Length [mm]	Weight [kg]	Article No.
710	Hand lever locking part without bezel, left		0,81	6.020.741.00
710	Hand lever locking part without bezel, right		0,81	6.020.740.00
710.4	Fastener in profile left, profile raw	400	1,36	6.021.601.00
710.4	Fastener in profile right, profile raw	400	1,36	6.021.600.00
710.4	Fastener in profile left, profile raw	415	1,38	6.020.749.00
710.4	Fastener in profile right, profile raw	415	1,38	6.020.748.00
710.5	Fastener in profile left, profile raw	500	1,50	6.021.669.00
710.5	Fastener in profile right, profile raw	500	1,50	6.021.668.00
710.5	Fastener in profile left, profile raw	515	1,52	6.020.781.00
710.5	Fastener in profile right, profile raw	515	1,52	6.020.780.00
710.5	Fastener in profile left, profile raw with PA strip	515	1,51	6.021.579.00
710.5	Fastener in profile right, profile raw with PA strip	515	1,51	6.021.580.00
710.6	Fastener in profile left, profile raw	600	1,65	6.020.854.00
710.6	Fastener in profile right, profile raw	600	1,65	6.020.853.00
710.6	Fastener in profile left, profile raw	615	1,67	6.020.751.00
710.6	Fastener in profile right, profile raw	615	1,67	6.020.750.00
710.6	Fastener in profile left, profile raw with PA strip	615	1,65	6.021.581.00
710.6	Fastener in profile right, profile raw with PA strip	615	1,65	6.021.582.00
710.7	Fastener in profile left, profile raw	715	1,82	6.021.577.00
710.7	Fastener in profile right, profile raw	715	1,82	6.021.578.00
710.8	Fastener in profile left, profile raw	800	1,94	6.020.883.00
710.8	Fastener in profile right, profile raw	800	1,94	6.020.882.00
710.8	Fastener in profile left, profile raw	815	1,96	6.020.753.00
710.8	Fastener in profile right, profile raw	815	1,96	6.020.752.00
710.8	Fastener in profile left, profile raw with PA strip	815	1,94	6.021.583.00
710.8	Fastener in profile right, profile raw with PA strip	815	1,94	6.021.584.00
710.10	Fastener in profile left, profile raw	1015	2,26	6.020.816.00
710.10	Fastener in profile right, profile raw	1015	2,26	6.020.815.00
710.20	Pillar pocket, raw left		0,12	6.071.147.99
710.20	Pillar pocket, raw right		0,12	6.071.146.99
720	Cover cap, right		0,01	6.020.831.09
720	Cover cap, left		0,01	6.020.832.09

Further versions upon request

[Back to table of content](#)

LONG-RANGE FASTENER 712

- For dropside vehicles
- Single locked; the locked position of the locking unit is held by an over dead centre position and a button locking device
- Easy to install, easy to operate
- Also available as customs version

Typical fields of application

- For 400 - 800mm dropsides
- Depending on the installation situation use 710 or 712 locking system

Technology

- › Good closing behaviour thanks to interaction between pocket and bolt
- › Automatic adjustment
- › The hand lever folds in when the dropside is lowered
- › Unlocking and locking are both possible under cargo pressure
- › Cargo pressure detection by traction between bolt and pillar pocket
- › Above 600mm profile height the hand lever is covered by the tarpaulin
- › A special profile variant with lateral inspection openings for customs-specified dropside locking is available as an option for the 712 fastener

Versions

Locking mechanism: electro galvanised in accordance with FHS-TL 9.01

Aluminium profiles: available in various surface finishes, e.g. raw or anodised

Accessories

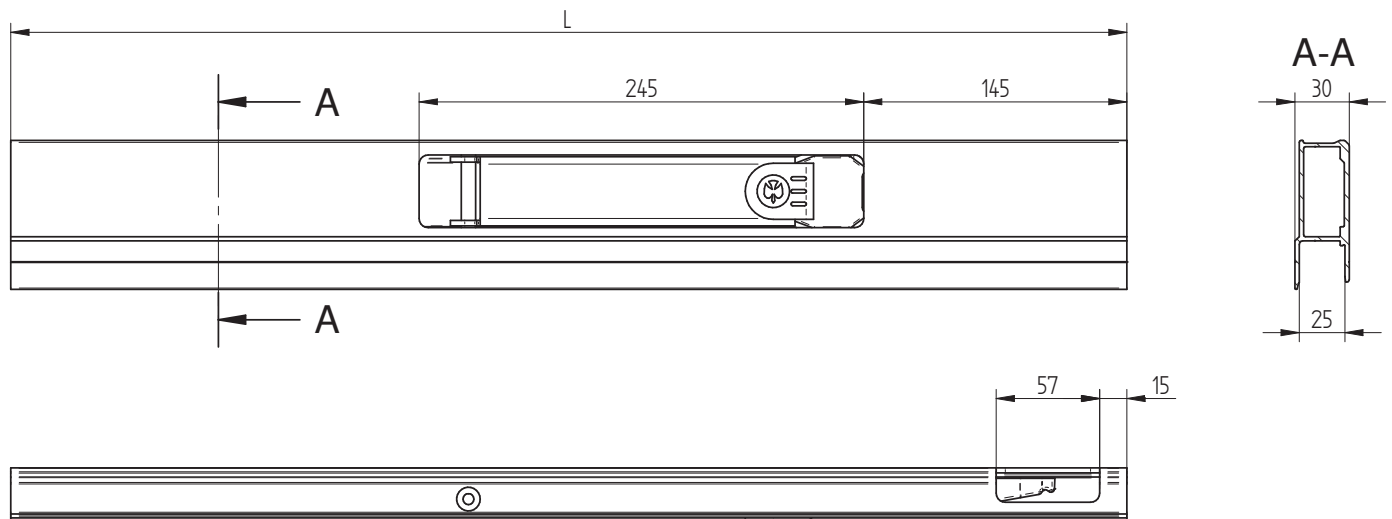
710.20 Pillar pocket, raw, for welding

Pillar pocket SolidMaster for screwing

712



LONG-RANGE FASTENER 712



Type	Description	Length [mm]	Weight [kg]	Article No.
712.4	Fastener in profile left, profile raw	415	1,37	6.020.804.95
712.4	Fastener in profile right, profile raw	415	1,37	6.020.803.95
712.5	Fastener in profile left, profile raw	515	1,52	6.020.808.95
712.5	Fastener in profile right, profile raw	515	1,52	6.020.807.95
712.6	Fastener in profile left, profile raw	615	1,67	6.020.800.95
712.6	Fastener in profile right, profile raw	615	1,67	6.020.799.95
712.8	Fastener in profile left, profile raw	815	1,96	6.020.812.95
712.8	Fastener in profile right, profile raw	815	1,96	6.020.811.95

Further versions upon request

[Back to table of content](#)

LONG-RANGE FASTENER 715 – WITH DOUBLE LOCKING

For building material vehicles. Double lock; the locked position of the locking unit is held by an over dead centre position and a button locking device. Easy to install, easy to operate.

Typical fields of application

- Building material vehicles with a dropside height of 800mm or 1000mm
- The 715 fastener can be combined with the HESTAL SolidMaster 801 dropside pillar system

Technology

- › Good closing behaviour thanks to interaction between pocket and bolt
- › Automatic adjustment
- › An additional plastic strip on the bezel profile reduces wear
- › The hand lever folds in when the dropside is lowered

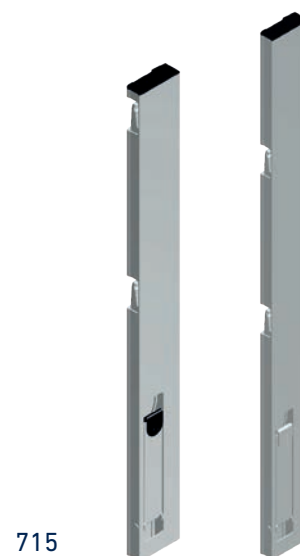
Versions

Locking mechanism: electro galvanised in accordance with FHS-TL 9.01

Aluminium profiles: available in raw or anodised

Accessories

801 Pillar pocket KTL, for screwing

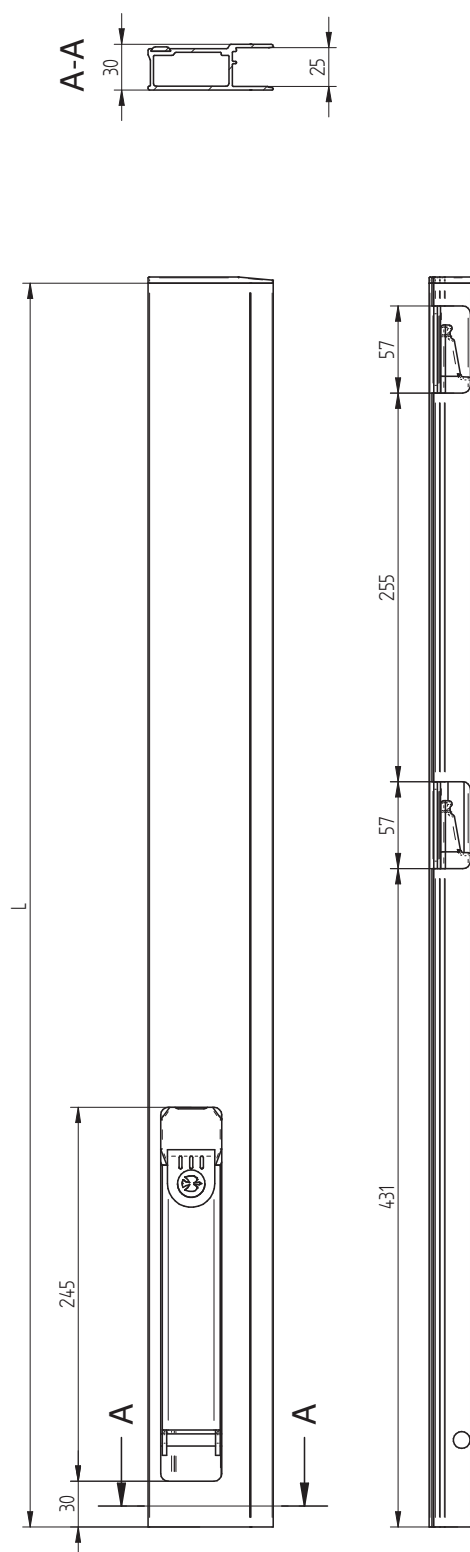


715

Type	Description	Length [mm]	Weight [kg]	Article No.
715.8	Fastener in profile left, profile raw	815	2,59	6.020.858.00
715.8	Fastener in profile right, profile raw	815	2,59	6.020.859.00
715.10	Fastener in profile left, profile raw	1015	2,88	6.020.862.00
715.10	Fastener in profile right, profile raw	1015	2,88	6.020.863.00
715	Cover Cap, right		0,02	6.070.151.00
715	Cover Cap, left		0,02	6.070.152.00

Further versions upon request

LONG-RANGE FASTENER 715 – WITH DOUBLE LOCKING



CORNER SYSTEM 720

A complete corner system for small light and medium-heavy flatbed superstructures, up to 615mm dropside height. Pillar-free corner connection, without further components.

Technology

- › Easy operation and optimised safety
- › Hand lever opening by 180 degrees
- › The fastener lies flush against the dropside
- › Double security due to form closure and traction
- › Tested in accordance with the occupational health & safety regulations



720

Versions

Aluminium profiles: anodised in accordance with FHS-TL 9.17

Hand lever assembly: powder coating, black

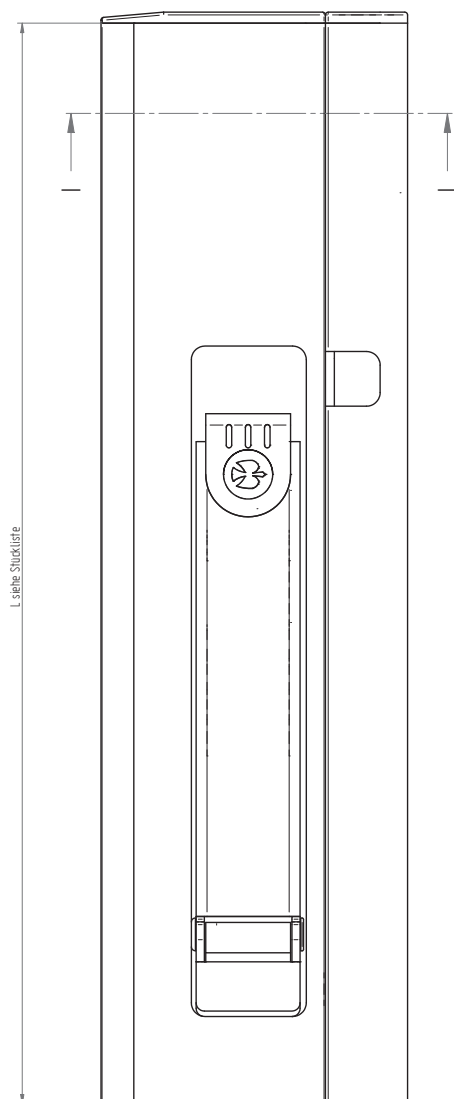
Locking mechanism: yellow chromated and sealed,

DIN 50021-SS480 h in accordance with FHS-TL 9.30

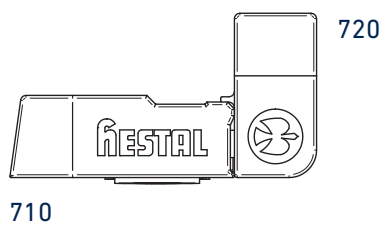
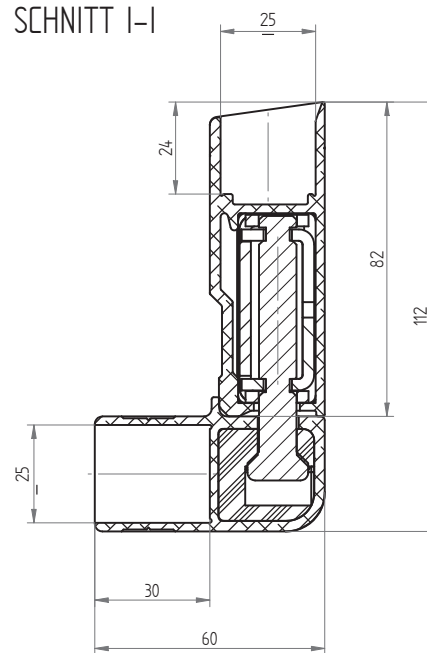
Type	Description	Length [mm]	Weight [kg]	Article No.
720.4	Small flatbed corner system left	400	1,78	6.021.673.00
720.4	Small flatbed corner system right	400	1,78	6.021.672.00
720.4	Small flatbed corner system left	415	1,82	6.020.921.00
720.4	Small flatbed corner system right	415	1,82	6.020.920.00
720.5	Small flatbed corner system left	500	2,03	6.021.675.00
720.5	Small flatbed corner system right	500	2,03	6.021.674.00
720.5	Small flatbed corner system left	515	2,07	6.020.923.00
720.5	Small flatbed corner system right	515	2,07	6.020.922.00
720.6	Small flatbed corner system left	600	2,28	6.021.677.00
720.6	Small flatbed corner system right	600	2,28	6.021.676.00
720.6	Small flatbed corner system left	615	2,32	6.020.925.00
720.6	Small flatbed corner system right	615	2,32	6.020.924.00
720	Cover cap, right		0,01	6.020.831.09
720	Cover cap, left		0,03	6.020.832.09
	Cover cap, right			6.020.831.02
	Cover cap, left			6.020.832.02

Further versions upon request

CORNER SYSTEM 720



SCHNITT I-I



710

SURFACE-MOUNTED FLAT-BOLT FASTENER 680

- The 680 fastener is a customs lock whose lever is under the tarpaulin when in closed position
- Smooth-running
- Is characterised by its extremely flat design

Typical fields of application

- Especially designed for very low installation heights for vehicles with pillars
- It is used with middle and corner pillars
- The lock can also be installed in hasp profiles
- Its performance is proved especially with tail lifts

Technology

- › Satisfies customs requirements as the horizontal lever is under the tarpaulin when in closed position
- › The lever is held in both end positions by a spring-loaded ball lock
- › Its ease of movement is provided by a synthetic bearing at the pivot point of the lever
- › The handle has a height of 28mm, the housing has a height of 20.5 mm
- › The 680 fastener requires an installation height of 20.5 mm

Versions

Electro galvanised in accordance with FHS-TL 9.01



Type	Description	Weight [kg]	Article No.
680	Surface-mounted flat-bolt fastener, right	1,30	6.040.031.00
680	Surface-mounted flat-bolt fastener, left	1,30	6.040.032.00

BUILT-IN FLAT-BOLT FASTENER 682

- The 682 fastener is a built-in fastener for dropsides
- Suitable for high loads with low wear

Typical fields of application

- Designed for medium-heavy and heavy flatbed and folding wall superstructures
- The fastener is locked by means of a slot in the pillar

Technology

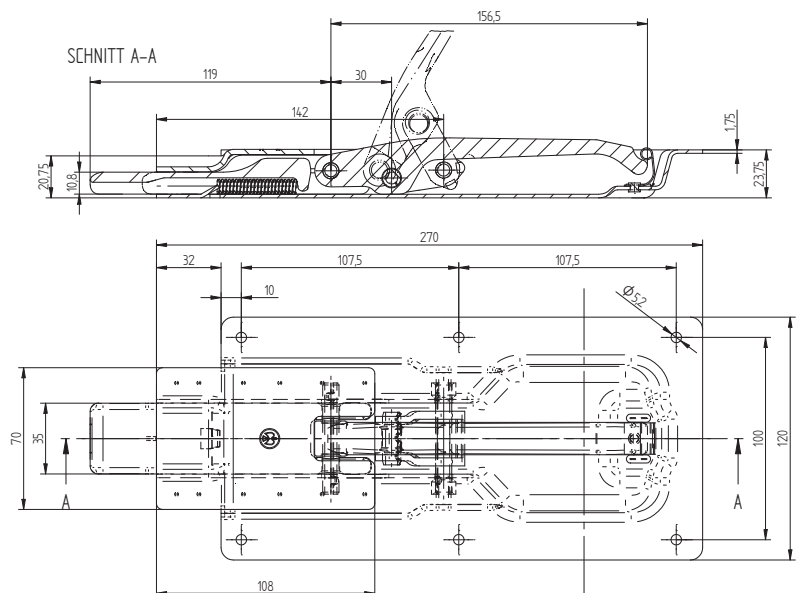
- › To ensure sturdiness of the fastener, all lock parts are made of high-strength materials
- › The lock is designed with a knee lever system
- › A locking spring of stainless steel locks the hand lever
- › The stroke is 24mm
- › Self-locking by using a swing-out element and due to the special arrangement of the attachment points

Versions

Electro galvanised in accordance with FHS-TL 9.01



682



Type	Description	Weight [kg]	Article No.
682	Built-in flat-bolt fastener	1,44	6.060.013.00

BUILT-IN FLAT-BOLT FASTENER 686S10

- 686S10 fastener is based on the proven bolt fastener system
- Systematic locking during closing
- Lock system with cargo pressure detection
- 686S10 with steel locking button integrated into the handle

Typical fields of application

- Medium-heavy flatbed superstructures
- Used for middle and corner pillars
- With dropside holders for pillar-free vehicle superstructures
- Use only with offset 25mm dropside bezel profiles

Technology

- › Has a tensile strength of 2.5 t
- › In the event of cargo pressure, the lock automatically secures the dropside
- › The system engages in an arresting position when opened under cargo pressure
- › The lock has a flexible compensation for driving mode to prevent an unintentional opening
- › Contains two independent locking devices
- › Satisfies the regulations of the German employers' liability insurance association
- › By using pillar holders fastener can be used without pillars
- › Narrow design allows easy editing of the dropside

Versions

Electro galvanised in accordance with FHS-TL 9.03

Accessories

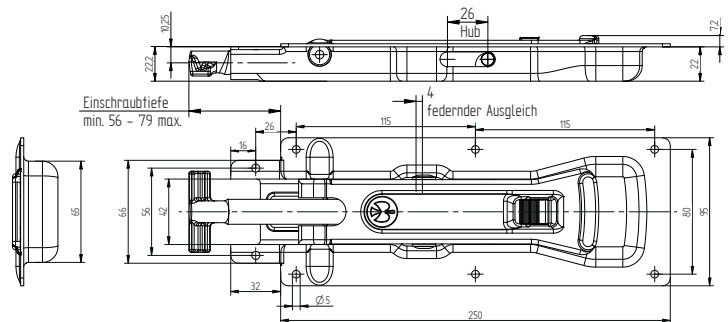
See Fastener 681 (p. 125)

Supplements

SolidMaster



686S10



Type	Description	Weight [kg]	Article No.
686S10	Built-in flat-bolt fastener	1,22	6.060.320.00

BUILT-IN TENSION-BOLT FASTENER 681S/1, 681SL, 681S10, 681SL10

- 681S fastener is based on the proven built-in tension-bolt fastener system
- 681 has a semi-automatic pushbutton locking device
- The fasteners have a cargo pressure detection

Typical fields of application

- Medium-heavy and heavy flatbed superstructures
- Aluminium or steel dropsides (wall thickness 25mm)
- Use only with offset 25mm dropside bezel profiles for dropside pillars installed on the outer frame
- Pillar pockets are bolted or welded to the side of the dropside pillar

Technology

- › Has a tensile strength of 4.5 t
- › The system engages in an arresting position when opened under cargo pressure
- › The flexible compensation of the lock prevents unintentional opening while driving
- › Contains two independent locking systems
- › Satisfies the regulations of the German employers' liability insurance association

Versions

Electro galvanised in accordance with FHS-TL 9.01

681S10 electro galvanised in accordance with FHS-TL 9.03

Mounting examples

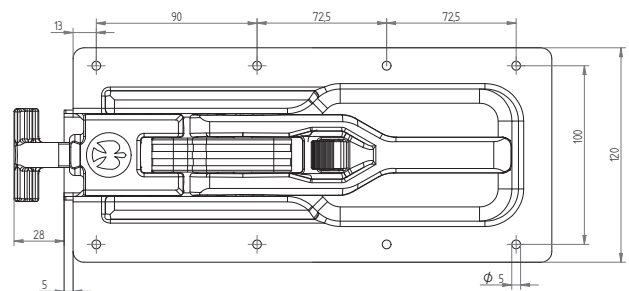
Can be ordered for dropside bezels separately

Accessories

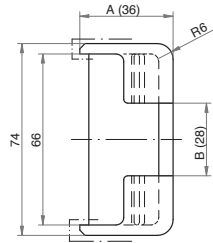
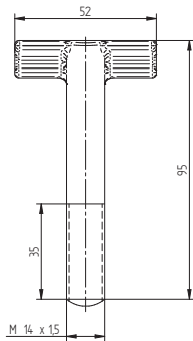
Attached

Supplements

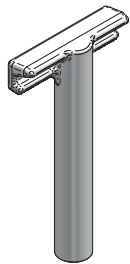
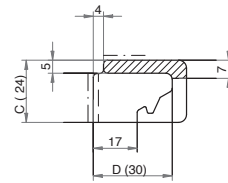
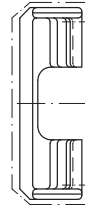
SolidMaster



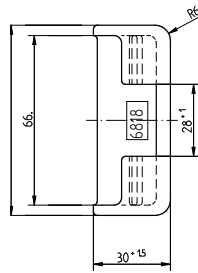
BUILT-IN TENSION-BOLT FASTENER 681S/1, 681SL, 681S10



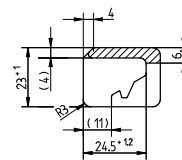
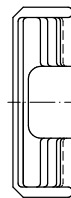
6817



681



6818



Type	Description	Weight [kg]	Article No.
681S/1	Fastener with short tensioning bolt, welded	1,57	6.060.233.00
681SL	Fastener with long tensioning bolt, welded	1,57	6.060.257.00
681S10	Fastener with short tensioning bolt, riveted	1,52	6.060.311.00
681SL10	Fastener with long tensioning bolt, riveted	1,52	6.060.315.00
681	Tensioning bolt, 95mm long	0,15	6.060.253.99
681	Tensioning bolt, 60mm long	0,11	6.060.234.99
681/686	6817 Pillar pocket for welding, raw	0,21	6.071.129.00
681/686	6818 Corner pillar pocket for welding, raw	0,21	6.071.137.00
681	801 Pillar pocket, KTL coating	0,15	6.071.165.99
681	801 Pillar pocket high, KTL coating	0,17	6.071.166.99

OVERVIEW



- **Elbow-handle fastener 6121N**
- **Universal fastener 603**
- **Eccentric fasteners 6043, 60450**
- **Pendulum fasteners 662, 664N**

[Back to table of content](#)

ELBOW-HANDLE FASTENER 6121N

Equipped with an integrated semi-automatic safety device

Typical fields of application

- Main fields of application are car trailers and horse boxes
- Steel or aluminium dropsides
- The fastener baseplate is fastened to the dropside using three fillister head screws M8 DIN 6912

Technology

- › An integrated semi-automatic pushbutton locks the fastener in the closed position
- › Parallel movement of the hand lever to the dropside, hence no protrusion into the traffic area
- › Compact design and high-strength material
- › Available as a screw-on version
- › Galvanised surface

Versions

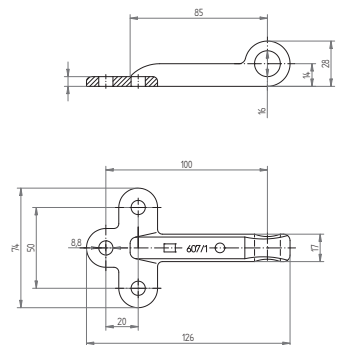
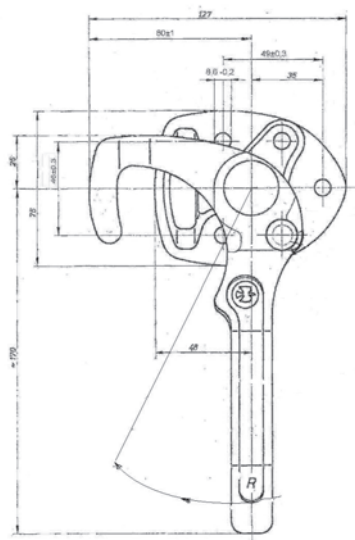
Electro galvanised according to FHS-TL 9.01

Accessories

607/1 Eye bracket, electro galvanised in accordance with FHS-TL 9.01, screw-on



6121N



Type	Description	Weight [kg]	Article No.
6121N	Elbow handle fastener, left	0,72	6.020.143.00
6121N	Elbow handle fastener, right	0,72	6.020.142.00
607/1	Eye bracket	0,24	6.011.059.99

UNIVERSAL FASTENER 603

The 603 fastener is a surface-mounted fastener with a mounting height of 37 mm. Its special design and reliability are its main characteristics.

Typical fields of application

- Tipper superstructures of all kinds
- Superstructures with and without corner pillars

Technology

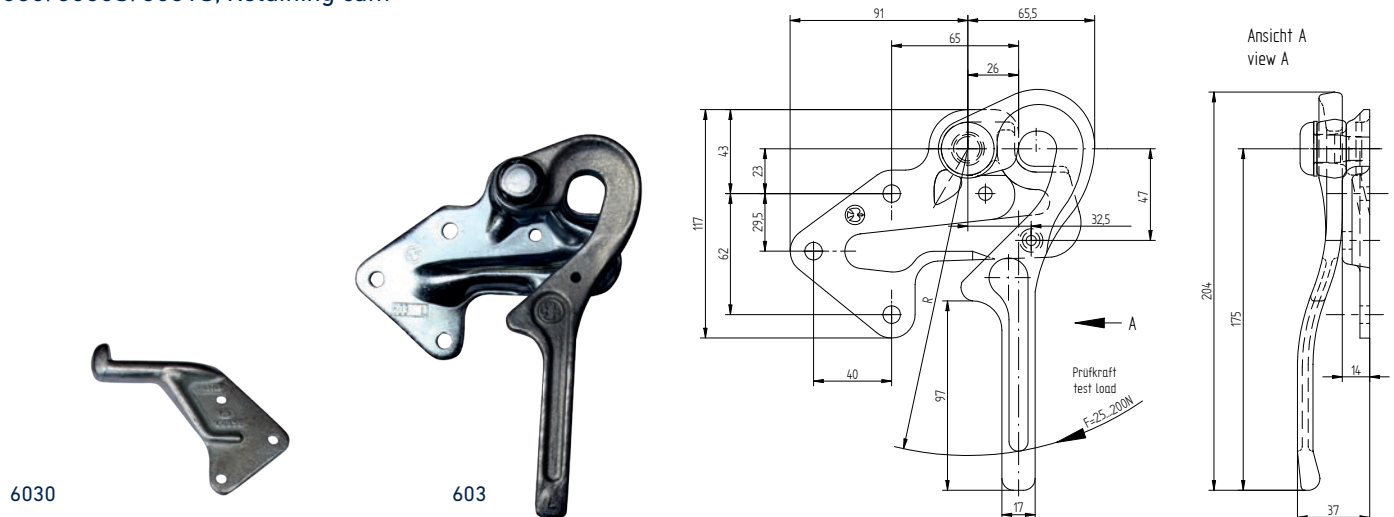
- › The fastener hook is integrated into the hand lever part so that the retaining cam can be easily moved to the locking position
- › The 603 fastener achieves its excellent closing function thanks to the large chamfer above the hand lever part

Versions

Electro galvanised in accordance with FHS-TL 9.01

Accessories

6030/6030S/6031S, Retaining cam



Type	Description	Weight [kg]	Article No.
603	Fastener, right	0,75	6.020.167.00
603	Fastener, right	0,75	6.020.168.00
6030	Retaining cam, right	0,40	6.030.089.99
6030	Retaining cam, left	0,40	6.030.090.99

ECCENTRIC FASTENERS 6043, 6043S

The eccentric fasteners 6043 are length-adjustable thanks to a thread. They are available in 2 versions, with and without locking device.

Typical fields of application

- Car trailers and special tipper superstructures
- Spare wheel holders, toolboxes, transport containers in the packaging, construction machines and building industry, as well as container and mould making

Technology

- › Fasteners can be welded or bolted on, the mounting height is additional 35mm
- › The eccentric top arm is the primary locking element. The additional integrated positive-fit locking device prevents accidental opening. The locking device is located under the hand lever and engages in the baseplate

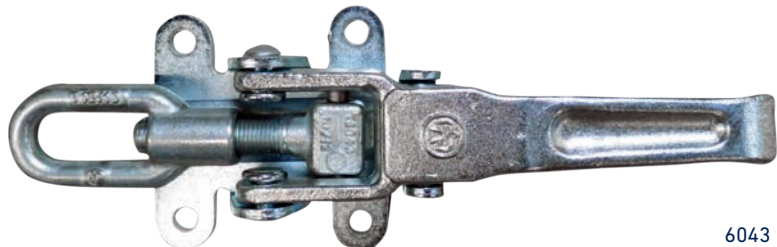
Versions

Raw or electro galvanised in accordance with FHS-TL 9.01

Accessories

6044 Retaining cam for bolting

6044S Retaining cam for welding

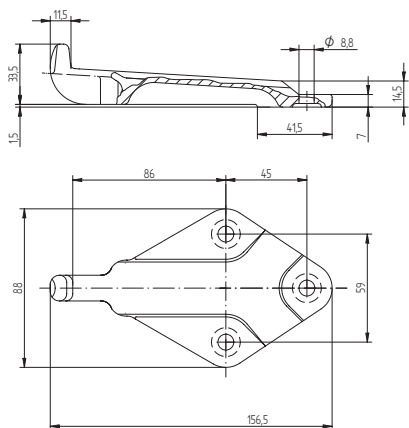


6043

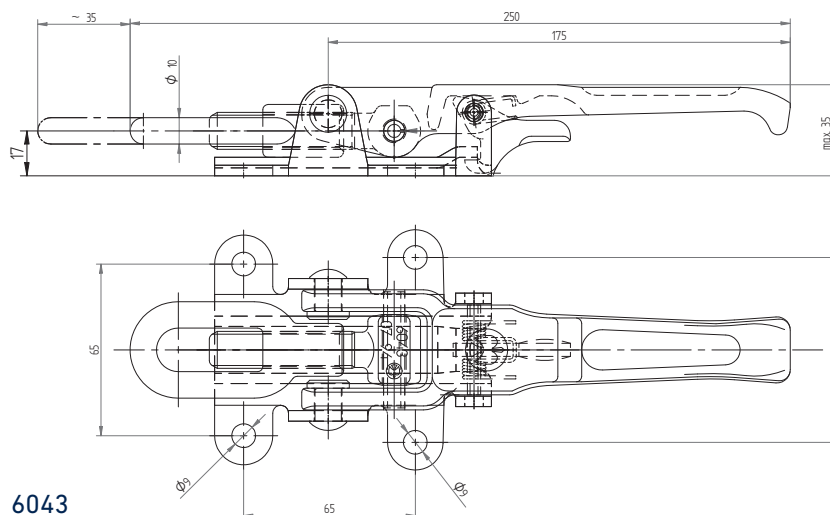


6043S

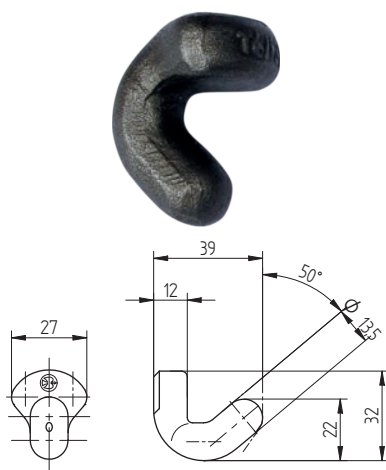
ECCENTRIC FASTENERS 6043, 6043S



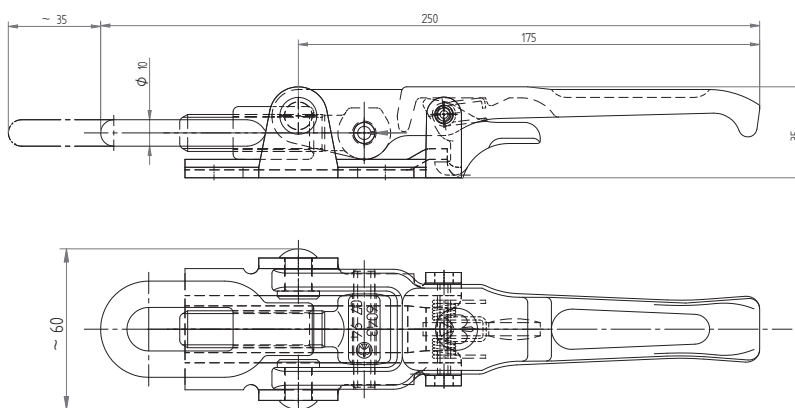
6044



6043



6044S



6043S

Type	Description	Mounting height [mm]	Weight [kg]	Article No.	
				Raw	Galvanised
6043	Eccentric fastener, without integrated locking mechanism	35	0,86	6.020.047.00	-
	Eccentric fastener, with integrated positive-fit locking mechanism	35	0,88	6.020.383.00	6.020.390.00
6044	Retaining cam, for bolting	35	0,46	-	6.030.077.99
6043S	Eccentric fastener, without integrated locking mechanism	35	0,81	6.020.048.00	-
	Eccentric fastener, with integrated positive-fit locking mechanism	35	0,84	6.020.384.00	-
6044S	Retaining cam, for welding	-	0,07	6.030.075.99	-

[Back to table of content](#)

ECENTRIC FASTENER 60450 - ADJUSTABLE

60450 screw-in eyebolt in the fastener element.

Typical fields of application

- Car trailers and light flatbed superstructures; containers for trucks that hold a spare wheel or accessories; tool- boxes or transport containers
- The fastener is also used in the packaging industry, in container and mould making or in the construction machines and building industry
- Securing of tarpaulins to vehicles

Technology

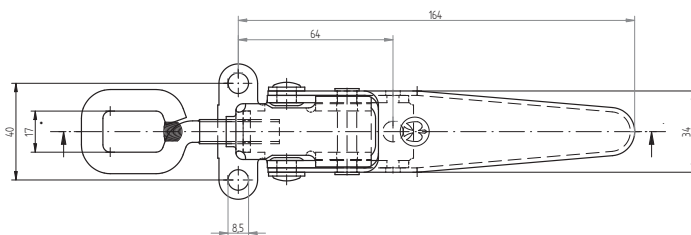
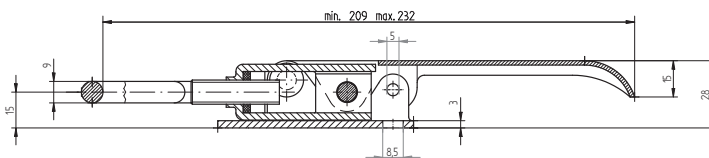
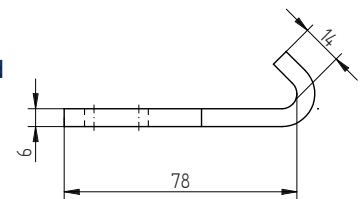
- › The eccentric top arm of the fasteners holds the fastener in the locked position, but needs to be additionally secured with clip pins

Versions

Electro galvanised in accordance with FHS-TL 9.01 or stainless steel, electropolished

Accessories

Counterholder, straight, for version 60450, galvanised



60455



60450

Type	Description	Weight [kg]	Article No.
60450	Eccentric fastener, adjustable	0,35	
	galvanised		6.020.709.00
	stainless steel		6.020.706.00
60455	Counterholder, straight, for version 60450, galvanised	0,06	6.030.052.00

PENDULUM FASTENER 662N, 662NP

- Equipped with automatic lock adjustment
- One-handed operation and sturdiness thanks to use of high-strength materials
- Suitable for steel or aluminium tipper dropsides

Typical fields of application

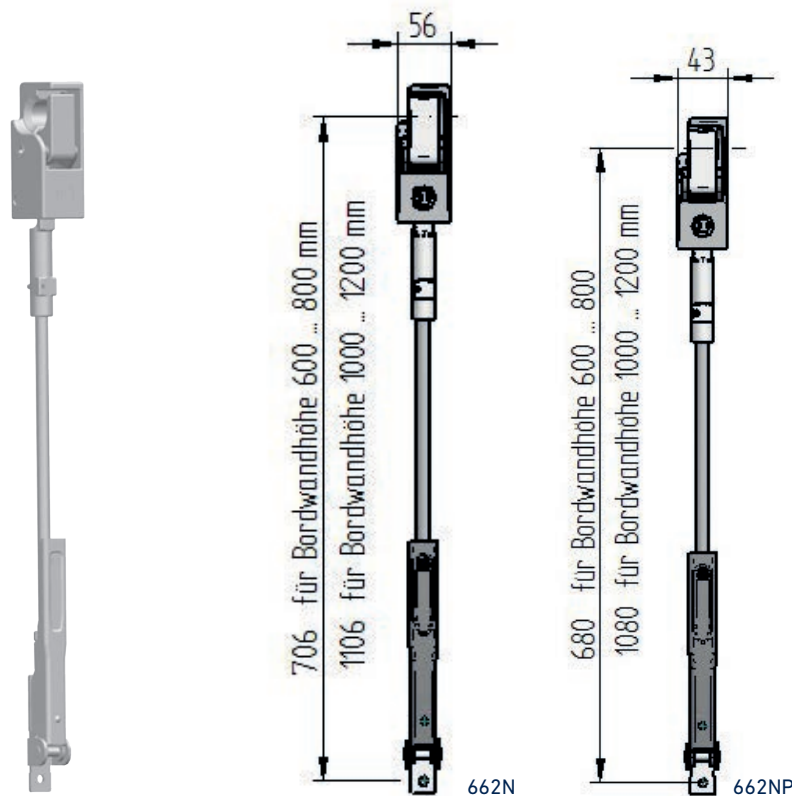
- 662NP especially for pallet tipper superstructures
- Short version for dropside heights of 600 - 800 mm
- Long version for dropside heights of 1000 - 1200 mm

Technology

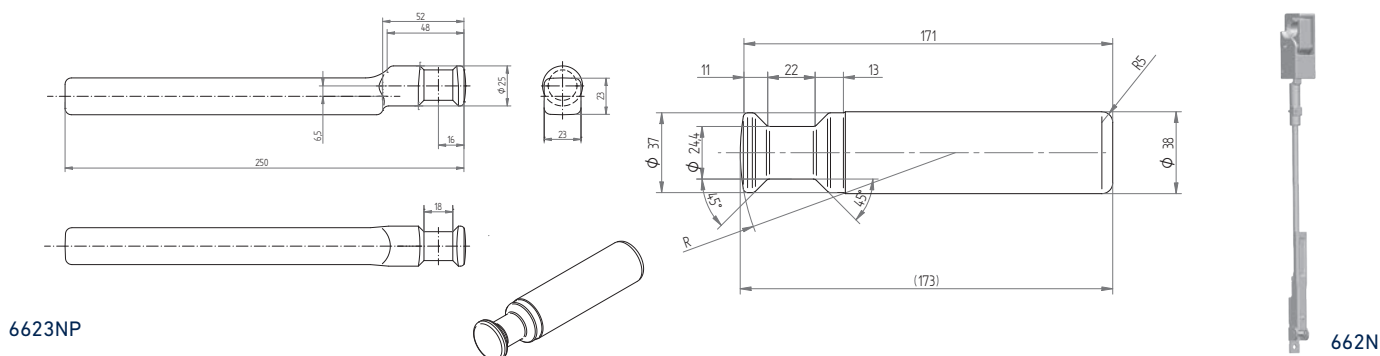
- › One-handed operation/sturdiness
- › Good closing behaviour – radial 32mm and axial 8mm
- › Double over dead centre locking in combination with a hand lever locking device
- › Automatic lock adjustment compensates installation tolerances and wear

Versions

raw



PENDULUM FASTENER 662N/662NP



Type	Description	Weight [kg]	Article No.
662N	Locking part, right	2,73	6.021.751.00
662N	Locking part, left	2,73	6.021.752.00
665N/NP	Hand lever part	0,70	6.020.301.00
662N	Fastener with thread bar 6624N, for dropside heights from 600 - 800 mm Left Right	3,40	6.020.309.00 6.020.308.00
662N	Locking part with thread bar 6624N Left Right	2,73	6.020.313.00 6.020.312.00
662N	Fastener with thread bar 6625N, for dropside heights from 1000 - 1200 mm Left Right	3,80	6.020.311.00 6.020.310.00
662N	Locking part with thread bar 6625N Left Right	3,10	6.020.315.00 6.020.314.00
6620N	Pendulum pin	1,36	6.030.097.01
662NP	Fastener with thread bar 6624N, for dropside heights from 600 - 800 mm Left Right	2,40	6.020.303.00 6.020.302.00
662NP	Locking part with thread bar 6624N Left Right	1,67	6.020.300.00 6.020.299.00
662NP	Fastener with thread bar 6625N, for dropside heights from 1000 - 1200 mm Left Right	2,85	6.020.305.00 6.020.304.00
662NP	Locking part with thread bar 6625N Left Right	2,15	6.020.307.00 6.020.306.00
6623NP	Pendulum pin	0,93	6.031.132.99

PENDULUM FASTENER 664N

- With automatic lock adjustment
- Automatic locking under the hand lever
- One-handed operation

Typical fields of application

- For commercial and agricultural tipper superstructure
- With steel or aluminium dropsides, the 664N fastener is installed on middle or corner pillars
- The pendulum bolt is fastened to the upper edge of the dropside
- With narrow pillar profiles or compact designs, the fasteners with laterally offset hand lever must be installed so that a clearance for the fingers of at least 25mm to the folding or swinging tipper dropside is maintained

Technology

- › Closing behaviour – radial 32mm and axial ± 8 mm
- › Available with laterally offset or straight hand lever
- › Double over dead centre locking in combination with the lock under the hand lever prevents accidental opening
- › Automatic lock adjustment (compensates installation tolerances and wear, clearance-free alignment of closing hook with pendulum pin in bearing housing)
- › Straight pendulum pin 6640N or cranked pendulum pin 6623 NP allows a wide range of installation possibilities. Pendulum pin 6641N is mounted on the dropside
- › All fastener parts satisfy the occupational health and safety regulations

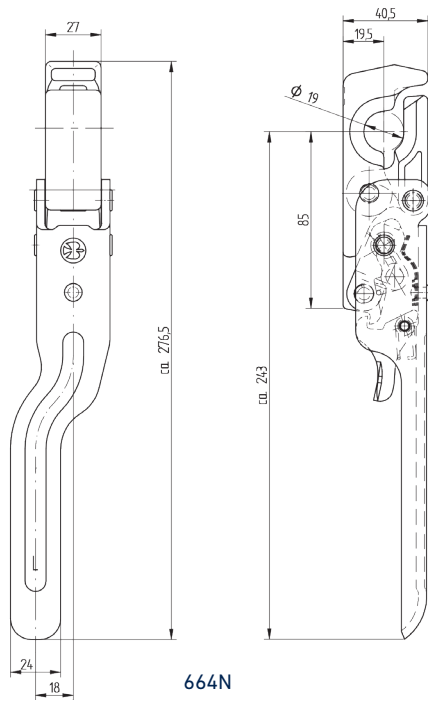
Versions

Raw or electro galvanised in accordance with FHS-TL 9.01

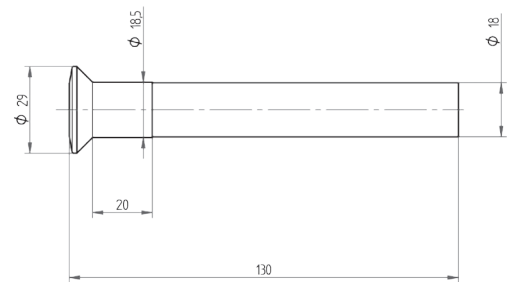


664N

PENDULUM FASTENER 664N



664N



6640N

Type	Description	Weight [kg]	Article No.
664N	Tipper fastener, raw with automatic positive-fit locking mechanism, straight	0,90	6.020.124.00
664N	Tipper fastener, raw with automatic positive-fit locking mechanism Left Right	0,91	6.020.128.00 6.020.127.00
664N	Tipper fastener, galvanised with automatic positive-fit locking mechanism, straight	0,91	6.020.265.00
664N	Tipper fastener, galvanised with automatic positive-fit locking mechanism Left Right	0,94	6.020.286.00 6.020.285.00
6623NP	Pendulum pin	0,93	6.031.132.99
6640N	Pendulum bolt, raw	0,27	6.031.078.00
6641N	Retaining cam, galvanised Left Right	0,49	6.031.124.99 6.031.123.99

OVERVIEW

[➤ Box van hinge HESTAL *HingeMaster* 895](#)

HESTAL HingeMaster 895

Typical fields of application

The customs-proof HingeMaster 895 is an ideal surface-mounted hinge for box van and refrigerated box superstructures.

Technology

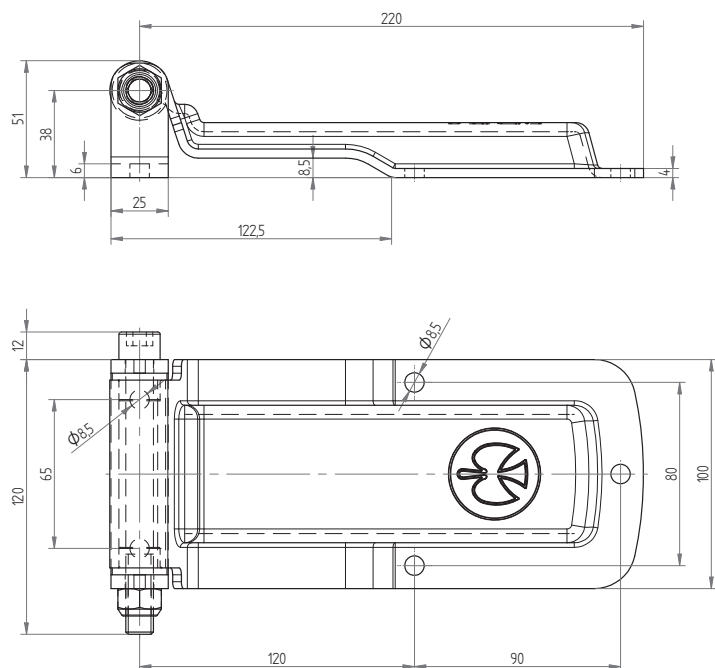
- › HingeMaster 895 is available in two different sizes
- › Increased stability with low weight
- › Surface-mounting dimensions allow simple integration into existing door constructions
- › HingeMaster 895.08 with a width dimension of 80mm is recommended for all LockMaster products with a bar diameter from 16 to 20mm
- › HingeMaster 895.10 with a width dimension of 100mm is recommended for all LockMaster products with a bar diameter of 27mm

Versions

Mechanically polished



895.10



Description	Weight [kg]	Article No.
HingeMaster 895.08	0,67	6.510.628.00
HingeMaster 895.10	1,35	6.510.627.00

OVERVIEW**> Dropside hinges 654N, 655N, 656N, 657**

DROPSIDE HINGE 654N

654N is a proven dropside hinge satisfying customs requirements for medium-heavy and heavy flatbed superstructures.

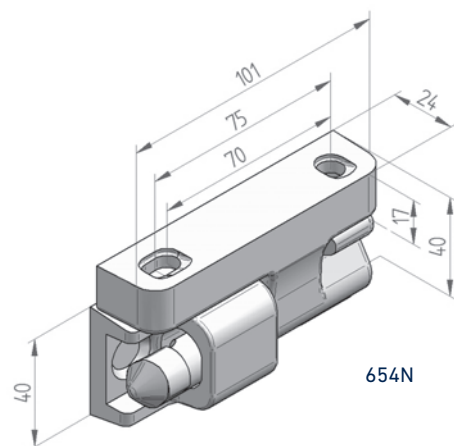
- For aluminium dropsides (25mm or 30mm thick)

Technology

- › Positive-fit locking design principle prevents accidental opening of the dropside
- › The 654N hinge consists of a hinge bearing and a hinge bolt
- › The hinge bolt is attached to the vehicle frame
- › The bearing housing is fastened to the dropside
- › The hinge bolts can alternatively be ordered with M12 tie rod bore

Versions

Electro galvanised in accordance with FSH-TL 9.01



Type	Description	Weight [kg]	Article No.
6540N	Hinge bearing for welding	0,32	6.510.409.99
65400N	Hinge bearing for bolting	0,29	6.510.418.99
6541N	Hinge bolt	0,34	6.510.410.99
6541N	Hinge bolt with tie rod bore M12	0,33	6.510.419.99
6542	Threaded plate 8mm	0,11	6.511.145.00
6543	Threaded plate 6mm	0,10	6.511.149.00

DROPSIDE HINGE 655N, 656N

655N and 656N are proven dropside hinges satisfying customs requirements for medium-heavy and heavy flatbed superstructures.

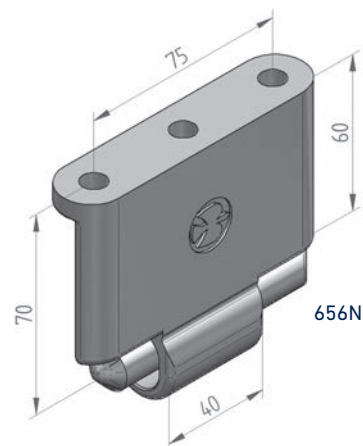
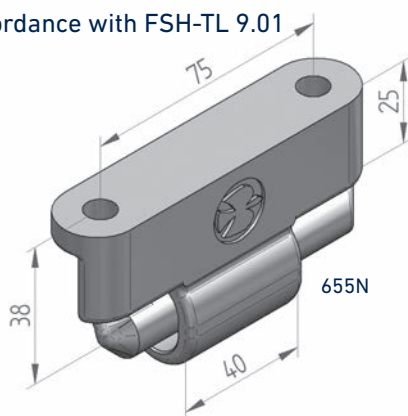
- For aluminium dropsides (25 mm thick)

Technology

- › The hinge 655N consists of the hinge bolt and the hinge bearing 6552N
- › The hinge 656N consists of the hinge bolt and the hinge bearing 6561N
- › The hinge bolt is welded to vehicle frame
- › The hinge bearing is fastened to the dropside
- › Hinge bearing can alternatively be ordered with M12 tie rod bore

Versions

Electro galvanised in accordance with FSH-TL 9.01



Type	Description	Weight [kg]	Article No.
6550N	Hinge bolt, right	0,22	6.511.355.99
6550N	Hinge bolt, left	0,22	6.511.356.99
6552N	Hinge bearing	0,33	6.510.354.99
6552N	Hinge bearing with tie rod bore M12	0,31	6.510.363.99
6561N	Hinge bearing	0,51	6.510.429.99
6561N	Hinge bearing with tie rod bore M12	0,49	6.510.430.99
6542	Threaded plate 8mm	0,11	6.511.145.00
6543	Threaded plate 6mm	0,10	6.511.149.00

DROPSIDE HINGE 657

The dropside hinge satisfying customs requirements is suitable for light flatbed superstructures and car trailers of all kinds

- For 25mm dropsides of steel and aluminium
- For outboard and inboard dropsides
- Thanks to the compact design, the hinge 657 can be used on narrow outer frames

Technology

- › Positive-fit locking design principle prevents accidental opening of the dropside
- › Dropside hinge 654N consists of a hinge bearing and a hinge bolt
- › The individual components can be combined and allow a wide variety of mounting variations

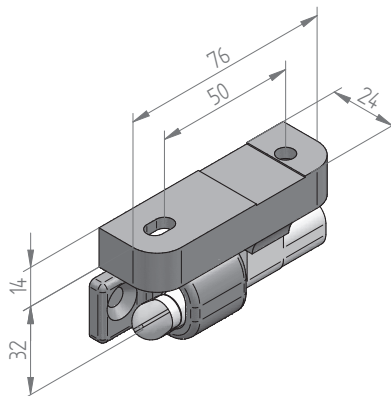
Versions

Raw

KTL coated in accordance with FHS-TL 9.13

Electro galvanised in accordance with FHS-TL 9.01

Hot-dip galvanised in accordance with FHS-TL 9.22



Type	Description	Weight [kg]	Article No.
6572	Hinge bolt, raw 32mm pivot point distance from the dropside	0,18	6.510.469.98
6572	Hinge bolt, galvanised 32mm pivot point distance from the dropside	0,18	6.510.469.99
6575	Hinge bolt, KTL 38mm pivot point distance from the dropside	0,18	6.510.598.97
6575	Hinge bolt, hot-dip galvanised 38mm pivot point distance from the dropside	0,18	6.510.598.99
6570	Hinge bolt, raw 16mm pivot point distance from the frame profile	0,13	6.510.470.99
65700	Hinge bolt, perforated 16mm pivot point distance from the frame profile	0,12	6.510.481.98
65700	Hinge bolt, galvanised 16mm pivot point distance from the frame profile	0,12	6.510.481.99
6576	Hinge bolt, KTL 18mm pivot point distance from the frame profile	0,13	6.510.595.97
6576	Hinge bolt, galvanised 18mm pivot point distance from the frame profile	0,13	6.510.595.98
6574	Threaded plate 6mm	0,07	6.511.486.00

Article No. Hesterberg	Article No. BPW	Page
1.000.310.00	92.0000.5711	89
1.000.310.28	92.0000.6415	89
1.000.315.00	92.0000.7133	89
1.000.316.00	92.0000.7134	89
1.000.317.00	92.0000.7135	89
1.000.318.00	92.0000.7136	89
1.000.320.00	92.0000.7132	89
1.000.321.00	92.0000.7137	89
1.000.323.00	92.0000.7138	89
1.000.324.00	92.0000.7139	89
6.011.059.99	92.0000.0019	127
6.011.059.99	92.0000.0019	134
6.020.047.00	92.0000.1024	130
6.020.047.00	92.0000.1024	137
6.020.048.00	92.0000.1026	130
6.020.048.00	92.0000.1026	137
6.020.124.00	92.0000.1030	135
6.020.127.00	95.0000.0050	135
6.020.128.00	95.0000.0049	135
6.020.142.00	95.0000.0052	127
6.020.142.00	95.0000.0052	134
6.020.143.00	95.0000.0051	127
6.020.143.00	95.0000.0051	134
6.020.167.00	92.0000.1034	128
6.020.167.00	92.0000.1034	135
6.020.168.00	92.0000.1035	128
6.020.168.00	92.0000.1035	135
6.020.265.00	92.0000.1036	135
6.020.285.00	92.0000.1037	135
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6.020.303.00	92.0000.1045	133
6.020.303.00	92.0000.1045	140
6.020.304.00	92.0000.1046	133

Article No. Hesterberg	Article No. BPW	Page
6.020.304.00	92.0000.1046	140
6.020.305.00	92.0000.1047	133
6.020.305.00	92.0000.1047	140
6.020.306.00	92.0000.5002	133
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6.020.307.00	92.0000.5003	133
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6.020.308.00	92.0000.1052	133
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6.020.311.00	92.0000.5004	133
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6.020.384.00	95.0000.0053	137
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6.020.390.00	95.0000.0054	137
6.020.706.00	92.0000.1062	131
6.020.709.00	92.0000.1063	131
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6.020.740.00	92.0000.1064	114
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6.020.741.00	92.0000.1068	114
6.020.741.00	92.0000.1068	117
6.020.748.00	92.0000.1070	114
6.020.748.00	92.0000.1070	117
6.020.749.00	92.0000.1071	114
6.020.749.00	92.0000.1071	117

Article No. Hesterberg	Article No. BPW	Page
6.020.750.00	95.0000.0042	114
6.020.750.00	95.0000.0042	117
6.020.751.00	95.0000.0043	114
6.020.751.00	95.0000.0043	117
6.020.752.00	92.0000.1072	114
6.020.752.00	92.0000.1072	117
6.020.753.00	92.0000.1073	114
6.020.753.00	92.0000.1073	117
6.020.780.00	92.0000.1080	114
6.020.780.00	92.0000.1080	117
6.020.781.00	92.0000.1081	114
6.020.781.00	92.0000.1081	117
6.020.799.95	92.0000.6993	116
6.020.799.95	92.0000.6993	119
6.020.800.95	92.0000.6994	116
6.020.800.95	92.0000.6994	119
6.020.803.95	92.0000.6995	116
6.020.804.95	92.0000.6996	116
6.020.807.95	92.0000.6997	116
6.020.808.95	92.0000.6998	116
6.020.811.95	92.0000.6999	116
6.020.812.95	92.0000.7000	116
6.020.815.00	92.0000.5021	114
6.020.816.00	92.0000.5022	114
6.020.831.02		119
6.020.831.09	92.0000.1086	114
6.020.831.09	92.0000.1086	119
6.020.832.02		119
6.020.832.09	92.0000.1087	114
6.020.832.09	92.0000.1087	119
6.020.853.00	92.0000.5033	114
6.020.854.00	92.0000.5034	114
6.020.858.00	92.0000.1088	117
6.020.859.00	92.0000.1090	117
6.020.862.00	92.0000.1094	117
6.020.863.00	92.0000.1095	117
6.020.882.00	92.0000.5037	114
6.020.883.00	92.0000.5038	114
6.020.920.00	92.0000.1102	119
6.020.921.00	92.0000.1103	119
6.020.922.00	92.0000.5053	119

Article No. Hesterberg	Article No. BPW	Page
6.020.923.00	92.0000.5056	119
6.020.924.00	92.0000.1104	119
6.020.925.00	92.0000.1105	119
6.021.577.00	92.0000.5086	114
6.021.578.00	92.0000.6838	114
6.021.579.00	92.0000.5087	114
6.021.580.00	92.0000.5088	114
6.021.581.00	92.0000.5089	114
6.021.582.00	92.0000.5090	114
6.021.583.00	92.0000.5091	114
6.021.584.00	92.0000.5092	114
6.021.600.00	92.0000.5095	114
6.021.601.00	92.0000.5096	114
6.021.668.00	92.0000.5113	114
6.021.669.00	92.0000.5114	114
6.021.672.00	92.0000.5117	119
6.021.673.00	92.0000.5120	119
6.021.674.00	92.0000.5123	119
6.021.675.00	92.0000.5126	119
6.021.676.00	92.0000.5129	119
6.021.677.00	92.0000.5132	119
6.021.751.00		133
6.021.752.00		133
6.030.052.00	92.0000.1109	131
6.030.075.99	92.0000.0020	130
6.030.077.99	92.0000.1110	130
6.030.089.99	92.0000.1111	128
6.030.090.99	92.0000.1112	128
6.030.097.01	92.0000.1113	133
6.031.078.00	92.0000.0018	135
6.031.123.99	92.0000.1114	135
6.031.124.99	92.0000.1115	135
6.031.132.99	92.0000.1116	133
6.031.132.99	92.0000.1116	135
6.040.031.00	92.0000.1117	121
6.040.032.00	92.0000.1118	121
6.060.013.00	92.0000.1123	122
6.060.233.00	95.0000.0044	125
6.060.234.99	92.0000.1126	125
6.060.253.99	92.0000.1128	125
6.060.257.00	95.0000.0045	125

Article No. Hesterberg	Article No. BPW	Page
6.060.311.00	95.0000.0046	125
6.060.315.00	95.0000.0083	125
6.060.320.00	92.0000.5137	123
6.070.025.01	92.0000.1133	104
6.070.027.98	92.0000.1134	103
6.070.151.00	92.0000.1135	117
6.070.152.00	92.0000.1136	117
6.071.129.00	92.0000.1407	125
6.071.137.00	92.0000.7778	125
6.071.146.99	92.0000.0016	114
6.071.147.99	92.0000.0015	114
6.071.156.10	92.0000.1138	62
6.071.156.99	92.0000.1140	61
6.071.158.00	92.0000.1142	62
6.071.159.10	92.0000.1143	62
6.071.159.99	92.0000.1144	61
6.071.160.99	92.0000.1145	61
6.071.164.99	92.0000.1146	61
6.071.165.99	92.0000.1147	60
6.071.165.99	92.0000.1147	125
6.071.166.99	92.0000.1148	61
6.071.166.99	92.0000.1148	125
6.071.167.99	92.0000.1149	60
6.071.171.99		60
6.071.177.99	92.0000.7336	61
6.071.178.99	92.0000.7337	61
6.080.460.00	95.0000.0035	38
6.080.461.00	92.0000.5149	48
6.080.462.00	92.0000.1150	40
6.080.463.00	92.0000.5150	50
6.080.464.00	95.0000.0036	38
6.080.465.00	92.0000.1151	48
6.080.466.00	92.0000.1152	40
6.080.467.00	92.0000.1153	50
6.080.468.00	92.0000.1154	38
6.080.469.00	92.0000.5151	48
6.080.470.00	92.0000.1155	40
6.080.471.00	92.0000.1156	50
6.080.472.00	92.0000.1157	38
6.080.473.00	92.0000.1158	48
6.080.474.00	92.0000.5152	40

Article No. Hesterberg	Article No. BPW	Page
6.080.484.00	92.0000.1160	42
6.080.485.00	92.0000.1161	42
6.080.486.00	92.0000.5153	52
6.080.487.00	92.0000.5154	52
6.080.488.00	92.0000.5155	44
6.080.489.00	92.0000.5156	44
6.080.490.00	92.0000.5157	54
6.080.491.00	92.0000.5158	54
6.080.492.00	92.0000.1162	42
6.080.493.00	92.0000.1163	42
6.080.494.00	92.0000.1164	52
6.080.495.00	92.0000.1165	52
6.080.496.00	92.0000.5159	44
6.080.497.00	92.0000.5160	44
6.080.498.00	92.0000.5161	54
6.080.499.00	92.0000.5162	54
6.080.500.00	92.0000.1166	42
6.080.501.00	92.0000.1167	42
6.080.502.00	92.0000.5163	52
6.080.503.00	92.0000.5164	52
6.080.504.00	92.0000.5165	44
6.080.505.00	92.0000.5166	44
6.080.506.00	92.0000.5167	54
6.080.507.00	92.0000.5168	54
6.080.508.00	92.0000.1168	42
6.080.509.00	92.0000.1169	42
6.080.510.00	92.0000.1170	52
6.080.511.00	92.0000.1171	52
6.080.512.00	92.0000.5169	44
6.080.513.00	92.0000.5170	44
6.080.516.00	92.0000.1172	56
6.080.517.00	92.0000.1173	56
6.080.518.00	92.0000.5173	56
6.080.519.00	92.0000.5174	56
6.080.520.00	92.0000.5175	56
6.080.521.00	92.0000.5176	56
6.080.524.00	92.0000.1174	56
6.080.525.00	92.0000.1175	56
6.080.526.00	92.0000.5179	58
6.080.527.00	92.0000.5180	58
6.080.528.00	92.0000.1176	58

Article No. Hesterberg	Article No. BPW	Page
6.080.529.00	92.0000.1177	58
6.080.530.00	92.0000.1178	58
6.080.531.00	92.0000.1179	58
6.080.534.00	92.0000.1182	58
6.080.535.00	92.0000.1183	58
6.080.538.00	92.0000.5181	38
6.080.539.00	92.0000.1184	48
6.080.550.00	92.0000.5182	42
6.080.551.00	92.0000.5183	42
6.080.552.00	92.0000.5184	52
6.080.553.00	92.0000.5185	52
6.080.574.00	92.0000.5186	56
6.080.575.00	92.0000.5187	56
6.080.813.00	92.0000.7277	48
6.080.814.00	92.0000.7278	52
6.080.815.00	92.0000.7287	52
6.080.816.00	92.0000.7279	48
6.080.817.00	92.0000.7280	52
6.080.818.00	92.0000.7281	52
6.080.819.00	92.0000.7282	50
6.080.820.00	92.0000.7288	54
6.080.821.00	92.0000.7289	54
6.080.822.00	92.0000.7283	48
6.080.823.00	92.0000.7290	52
6.080.824.00	92.0000.7291	52
6.080.825.00	92.0000.7196	50
6.080.826.00	92.0000.7292	54
6.080.827.00	92.0000.7293	54
6.080.828.00	92.0000.7274	48
6.080.829.00	92.0000.7275	52
6.080.830.00	92.0000.7276	52
6.080.831.00	92.0000.7197	50
6.080.832.00	92.0000.7294	54
6.080.833.00	92.0000.7295	54
6.080.834.00	92.0000.7284	48
6.080.835.00	92.0000.7296	52
6.080.836.00	92.0000.7297	52
6.080.902.00	92.0000.7298	56
6.080.903.00	92.0000.7299	56
6.080.904.00	92.0000.7300	56
6.080.905.00	92.0000.7301	56

Article No. Hesterberg	Article No. BPW	Page
6.080.906.00	92.0000.7302	56
6.080.907.00	92.0000.7303	56
6.080.908.00	92.0000.7304	56
6.080.909.00	92.0000.7305	56
6.080.910.00	92.0000.7306	56
6.080.911.00	92.0000.7307	56
6.080.922.00	92.0000.7421	58
6.080.923.00	92.0000.7422	58
6.080.924.00	92.0000.7423	58
6.080.925.00	92.0000.7424	58
6.080.926.00	92.0000.7425	58
6.080.927.00	92.0000.7426	58
6.080.928.00	92.0000.7427	58
6.080.929.00	92.0000.7428	58
6.090.116.68	92.0000.6438	20
6.090.121.99	92.0000.5223	20
6.090.145.04	92.0000.1187	29
6.090.151.98	92.0000.0041	20
6.090.151.99	95.0000.0079	20
6.090.153.00	92.0000.0043	24
6.090.154.00	92.0000.1189	24
6.090.155.00	95.0000.0078	26
6.090.155.25	92.0000.1190	30
6.090.155.25	92.0000.1190	32
6.090.155.52	92.0000.1191	29
6.090.156.00	95.0000.0023	27
6.090.157.00	95.0000.0024	25
6.090.158.00	92.0000.1196	28
6.090.159.00	92.0000.5537	26
6.090.160.25	92.0000.1198	28
6.090.177.00	92.0000.1199	28
6.090.181.00	92.0000.5227	27
6.090.201.99	92.0000.0014	32
6.090.203.50	92.0000.6255	66
6.090.203.99	92.0000.1213	66
6.090.204.98	92.0000.5233	66
6.090.204.99	92.0000.0013	66
6.090.204.99	92.0000.0013	66
6.090.206.00	92.0000.1214	28
6.090.211.01	92.0000.1216	67
6.090.211.02	92.0000.1217	67

Article No. Hesterberg	Article No. BPW	Page
6.090.214.01	92.0000.1219	65
6.090.214.02	92.0000.1220	65
6.090.214.03	92.0000.1221	65
6.090.214.04	92.0000.1222	66
6.090.220.98	92.0000.6676	20
6.090.220.99	92.0000.1225	20
6.090.226.00	92.0000.6801	29
6.090.227.99	92.0000.5239	32
6.090.237.00	92.0000.5708	33
6.090.237.55	92.0000.5767	35
6.090.238.00	92.0000.6802	33
6.090.239.00	92.0000.5240	34
6.090.240.00	92.0000.5893	34
6.090.240.55	92.0000.5241	35
6.090.244.00	92.0000.6319	34
6.090.245.00	92.0000.6803	33
6.090.245.55	92.0000.5242	35
6.090.246.00	92.0000.6804	33
6.090.247.00	92.0000.5243	34
6.090.248.00	92.0000.5244	29
6.090.284.51	92.0000.7001	30
6.100.198.01	92.0000.1235	106
6.100.212.00	95.0000.0047	98
6.100.212.55	92.0000.1236	109
6.100.212.95	92.0000.1237	103
6.100.212.96	92.0000.1238	105
6.100.212.97	92.0000.1239	102
6.100.212.98	92.0000.1240	103
6.100.212.99	92.0000.1241	103
6.100.213.00	92.0000.1242	99
6.100.213.55	92.0000.1243	109
6.100.214.55	92.0000.1245	110
6.100.215.00	92.0000.1246	100
6.100.216.00	92.0000.5427	98
6.100.216.55	92.0000.5247	110
6.100.226.00	92.0000.5428	99
6.100.226.55	92.0000.5250	111
6.100.236.55	92.0000.5253	111
6.100.246.00	92.0000.7098	100
6.140.828.00	92.0000.6815	105
6.141.094.98	92.0000.6834	104

Article No. Hesterberg	Article No. BPW	Page
6.141.094.99	92.0000.6835	102
6.141.110.10	92.0000.1260	105
6.141.110.91	92.0000.1261	108
6.141.110.97	92.0000.1262	102
6.141.110.98	92.0000.1263	103
6.141.110.99	92.0000.1264	103
6.141.121.99	92.0000.7149	91
6.141.200.99	92.0000.1266	10
6.141.201.97	92.0000.1267	10
6.141.201.98	95.0000.0022	10
6.141.202.98	95.0000.0021	10
6.141.203.98	95.0000.0020	10
6.141.204.98	95.0000.0019	10
6.141.233.98	92.0000.7150	90
6.141.233.99	92.0000.7151	90
6.141.234.50	92.0000.7152	90
6.141.673.99	92.0000.1272	91
6.141.695.99	92.0000.1274	91
6.141.702.10	92.0000.1275	106
6.141.702.12	92.0000.1276	107
6.141.702.14	92.0000.1278	108
6.141.702.18	92.0000.6807	106
6.141.702.55	92.0000.1279	109
6.141.702.97	92.0000.1281	107
6.141.703.13	92.0000.1285	107
6.141.703.14	92.0000.1286	108
6.141.703.16	92.0000.1287	104
6.141.703.55	92.0000.1288	108
6.141.703.91	92.0000.7072	104
6.141.703.92	92.0000.7073	104
6.141.703.97	92.0000.1290	102
6.141.704.10	92.0000.6409	106
6.141.704.19	92.0000.1292	105
6.141.704.97	92.0000.6411	107
6.141.719.99	92.0000.1294	91
6.141.726.55	92.0000.1297	109
6.141.735.55	92.0000.1299	110
6.141.745.55	92.0000.1301	110
6.141.776.00	92.0000.7056	95
6.141.777.00	92.0000.7057	95
6.141.788.00	92.0000.7099	96

Article No. Hesterberg	Article No. BPW	Page
6.141.789.00	92.0000.7100	96
6.141.790.00	92.0000.7101	97
6.141.791.00	92.0000.7102	93
6.141.792.00	92.0000.7103	93
6.141.793.00	92.0000.7104	94
6.141.794.00	92.0000.7105	94
6.510.354.99	95.0000.0037	140
6.510.363.99	92.0000.5840	140
6.510.409.99	95.0000.0040	139
6.510.410.99	95.0000.0041	139
6.510.418.99	92.0000.1305	139
6.510.419.99	92.0000.1306	139
6.510.429.99	92.0000.1307	140
6.510.430.99	92.0000.1308	140
6.510.469.98	92.0000.1309	141
6.510.469.99	92.0000.1310	141
6.510.470.99	92.0000.1311	141
6.510.481.98	92.0000.1313	141
6.510.481.99	92.0000.1314	141
6.510.595.97	92.0000.5269	141
6.510.595.98	92.0000.5270	141
6.510.598.97	92.0000.5271	141
6.510.598.99	92.0000.5272	141
6.510.627.00	92.0000.0008	137
6.510.628.00	92.0000.0007	137
6.511.145.00	92.0000.1323	139
6.511.145.00	92.0000.1323	140
6.511.149.00	92.0000.1324	139
6.511.149.00	92.0000.1324	140
6.511.355.99	95.0000.0038	140
6.511.356.99	95.0000.0039	140
6.511.486.00	92.0000.1326	141
6.670.006.01	92.0000.7410	66
6.800.174.00	95.0000.0025	14
6.800.174.09	95.0000.0026	21
6.800.174.10	95.0000.0027	22
6.800.174.12	92.0000.1339	25
6.800.174.20		22
6.800.175.00	95.0000.0028	14
6.800.182.00	92.0000.1343	18
6.800.182.09	92.0000.1344	21

Article No. Hesterberg	Article No. BPW	Page
6.800.183.00	92.0000.1345	18
6.800.184.00	92.0000.1346	18
6.800.185.00	92.0000.1348	18
6.800.197.00	92.0000.1349	14
6.800.198.00	92.0000.1350	14
6.800.206.00	92.0000.1351	14
6.800.211.00	92.0000.1353	14
6.800.212.00	92.0000.1354	14
6.800.216.00	92.0000.1356	14
6.800.216.01	92.0000.1357	23
6.800.218.02	92.0000.6364	23
6.800.258.01	92.0000.1362	22
6.800.258.02	92.0000.1363	22
6.800.259.00	92.0000.1364	14
6.800.265.00	92.0000.1365	14
6.800.353.00	92.0000.5288	14
6.800.409.13	92.0000.5771	32
6.800.442.00	92.0000.7411	65
6.800.442.10	92.0000.7401	65
6.800.462.00	92.0000.6828	31
6.810.060.53	95.0000.0081	77
6.810.067.59	92.0000.7418	77
6.810.078.59	95.0000.0082	77
6.810.078.59	95.0000.0082	78
6.810.078.59	95.0000.0082	80
6.810.085.81	92.0000.1389	77
6.810.085.81	92.0000.1389	80
6.810.088.03	92.0000.1390	80
6.810.088.53	92.0000.1393	80
6.810.168.60	95.0000.0032	77
6.810.169.60	95.0000.0033	77
6.810.179.60	92.0000.5327	77
6.810.183.60	92.0000.5329	77
6.810.194.59	92.0000.5784	77
6.810.199.00	92.0000.5791	73
6.810.199.60	92.0000.5785	77
6.810.202.57		76
6.810.202.60	92.0000.7543	72
6.810.202.60	92.0000.7543	76
6.810.202.68	92.0000.7544	72
6.810.202.68	92.0000.7544	76

Article No. Hesterberg	Article No. BPW	Page
6.810.202.72	92.0000.7545	72
6.810.202.72	92.0000.7545	76
6.810.202.76	92.0000.7546	72
6.810.202.76	92.0000.7546	76
6.810.202.84	92.0000.7547	72
6.810.202.84	92.0000.7547	76
6.810.202.96	92.0000.7752	77
6.810.202.97	92.0000.7753	76
6.810.202.98	92.0000.7754	76
6.810.202.99	92.0000.7755	76
6.810.221.02	92.0000.7763	79
6.810.221.07	92.0000.7764	79
6.810.221.50	92.0000.7766	78
6.810.221.98	92.0000.7767	78
6.810.221.99	92.0000.7768	78
6.810.222.01	92.0000.7769	78
6.810.222.60	92.0000.7770	78
6.810.232.99	92.0000.7757	76
6.850.036.00	95.0000.0056	28
6.850.038.00	95.0000.0057	30
6.850.040.00	95.0000.0061	68
6.850.041.00	95.0000.0058	30
6.850.047.00	95.0000.0069	63
6.850.048.00	95.0000.0070	63
6.850.049.00	95.0000.0071	63
6.850.050.00	95.0000.0072	64
6.850.051.00	95.0000.0073	63
6.850.052.00	95.0000.0067	11
6.850.053.00	95.0000.0068	11
6.850.055.00	95.0000.0075	64
6.850.079.00	92.0000.7351	64

Article No. BPW	Article No. Hesterberg	Page
92.0000.5711	1.000.310.00	89
92.0000.6415	1.000.310.28	89
92.0000.7133	1.000.315.00	89
92.0000.7134	1.000.316.00	89
92.0000.7135	1.000.317.00	89
92.0000.7136	1.000.318.00	89
92.0000.7132	1.000.320.00	89
92.0000.7137	1.000.321.00	89
92.0000.7138	1.000.323.00	89
92.0000.7139	1.000.324.00	89
92.0000.0019	6.011.059.99	127
92.0000.0019	6.011.059.99	134
92.0000.1024	6.020.047.00	130
92.0000.1024	6.020.047.00	137
92.0000.1026	6.020.048.00	130
92.0000.1026	6.020.048.00	137
92.0000.1030	6.020.124.00	135
95.0000.0050	6.020.127.00	135
95.0000.0049	6.020.128.00	135
95.0000.0052	6.020.142.00	127
95.0000.0052	6.020.142.00	134
95.0000.0051	6.020.143.00	127
95.0000.0051	6.020.143.00	134
92.0000.1034	6.020.167.00	128
92.0000.1034	6.020.167.00	135
92.0000.1035	6.020.168.00	128
92.0000.1035	6.020.168.00	135
92.0000.1036	6.020.265.00	135
92.0000.1037	6.020.285.00	135
92.0000.1038	6.020.286.00	135
92.0000.5000	6.020.299.00	133
92.0000.5000	6.020.299.00	140
92.0000.5001	6.020.300.00	133
92.0000.5001	6.020.300.00	140
92.0000.1043	6.020.301.00	133
92.0000.1043	6.020.301.00	140
92.0000.1044	6.020.302.00	133
92.0000.1044	6.020.302.00	140
92.0000.1045	6.020.303.00	133
92.0000.1045	6.020.303.00	140
92.0000.1046	6.020.304.00	133

Article No. BPW	Article No. Hesterberg	Page
92.0000.1046	6.020.304.00	140
92.0000.1047	6.020.305.00	133
92.0000.1047	6.020.305.00	140
92.0000.5002	6.020.306.00	133
92.0000.5002	6.020.306.00	140
92.0000.5003	6.020.307.00	133
92.0000.5003	6.020.307.00	140
92.0000.1052	6.020.308.00	133
92.0000.1052	6.020.308.00	140
92.0000.1053	6.020.309.00	133
92.0000.1053	6.020.309.00	140
92.0000.1054	6.020.310.00	133
92.0000.1054	6.020.310.00	140
92.0000.5004	6.020.311.00	133
92.0000.5004	6.020.311.00	140
92.0000.1055	6.020.312.00	133
92.0000.1055	6.020.312.00	140
92.0000.1056	6.020.313.00	133
92.0000.1056	6.020.313.00	140
92.0000.5005	6.020.314.00	133
92.0000.5005	6.020.314.00	140
92.0000.5006	6.020.315.00	133
92.0000.5006	6.020.315.00	140
92.0000.1058	6.020.383.00	130
92.0000.1058	6.020.383.00	137
95.0000.0053	6.020.384.00	130
95.0000.0053	6.020.384.00	137
95.0000.0054	6.020.390.00	130
95.0000.0054	6.020.390.00	137
92.0000.1062	6.020.706.00	131
92.0000.1063	6.020.709.00	131
92.0000.1063	6.020.709.00	138
92.0000.1063	6.020.709.00	138
92.0000.1064	6.020.740.00	114
92.0000.1064	6.020.740.00	117
92.0000.1068	6.020.741.00	114
92.0000.1068	6.020.741.00	117
92.0000.1070	6.020.748.00	114
92.0000.1070	6.020.748.00	117
92.0000.1071	6.020.749.00	114
92.0000.1071	6.020.749.00	117

Article No. BPW	Article No. Hesterberg	Page
95.0000.0042	6.020.750.00	114
95.0000.0042	6.020.750.00	117
95.0000.0043	6.020.751.00	114
95.0000.0043	6.020.751.00	117
92.0000.1072	6.020.752.00	114
92.0000.1072	6.020.752.00	117
92.0000.1073	6.020.753.00	114
92.0000.1073	6.020.753.00	117
92.0000.1080	6.020.780.00	114
92.0000.1080	6.020.780.00	117
92.0000.1081	6.020.781.00	114
92.0000.1081	6.020.781.00	117
92.0000.6993	6.020.799.95	116
92.0000.6993	6.020.799.95	119
92.0000.6994	6.020.800.95	116
92.0000.6994	6.020.800.95	119
92.0000.6995	6.020.803.95	116
92.0000.6996	6.020.804.95	116
92.0000.6997	6.020.807.95	116
92.0000.6998	6.020.808.95	116
92.0000.6999	6.020.811.95	116
92.0000.7000	6.020.812.95	116
92.0000.5021	6.020.815.00	114
92.0000.5022	6.020.816.00	114
	6.020.831.02	119
92.0000.1086	6.020.831.09	114
92.0000.1086	6.020.831.09	119
	6.020.832.02	119
92.0000.1087	6.020.832.09	114
92.0000.1087	6.020.832.09	119
92.0000.5033	6.020.853.00	114
92.0000.5034	6.020.854.00	114
92.0000.1088	6.020.858.00	117
92.0000.1090	6.020.859.00	117
92.0000.1094	6.020.862.00	117
92.0000.1095	6.020.863.00	117
92.0000.5037	6.020.882.00	114
92.0000.5038	6.020.883.00	114
92.0000.1102	6.020.920.00	119
92.0000.1103	6.020.921.00	119
92.0000.5053	6.020.922.00	119

Article No. BPW	Article No. Hesterberg	Page
92.0000.5056	6.020.923.00	119
92.0000.1104	6.020.924.00	119
92.0000.1105	6.020.925.00	119
92.0000.5086	6.021.577.00	114
92.0000.6838	6.021.578.00	114
92.0000.5087	6.021.579.00	114
92.0000.5088	6.021.580.00	114
92.0000.5089	6.021.581.00	114
92.0000.5090	6.021.582.00	114
92.0000.5091	6.021.583.00	114
92.0000.5092	6.021.584.00	114
92.0000.5095	6.021.600.00	114
92.0000.5096	6.021.601.00	114
92.0000.5113	6.021.668.00	114
92.0000.5114	6.021.669.00	114
92.0000.5117	6.021.672.00	119
92.0000.5120	6.021.673.00	119
92.0000.5123	6.021.674.00	119
92.0000.5126	6.021.675.00	119
92.0000.5129	6.021.676.00	119
92.0000.5132	6.021.677.00	119
	6.021.751.00	133
	6.021.752.00	133
92.0000.1109	6.030.052.00	131
92.0000.0020	6.030.075.99	130
92.0000.1110	6.030.077.99	130
92.0000.1111	6.030.089.99	128
92.0000.1112	6.030.090.99	128
92.0000.1113	6.030.097.01	133
92.0000.0018	6.031.078.00	135
92.0000.1114	6.031.123.99	135
92.0000.1115	6.031.124.99	135
92.0000.1116	6.031.132.99	133
92.0000.1116	6.031.132.99	135
92.0000.1117	6.040.031.00	121
92.0000.1118	6.040.032.00	121
92.0000.1123	6.060.013.00	122
95.0000.0044	6.060.233.00	125
92.0000.1126	6.060.234.99	125
92.0000.1128	6.060.253.99	125
95.0000.0045	6.060.257.00	125

Article No. BPW	Article No. Hesterberg	Page
95.0000.0046	6.060.311.00	125
95.0000.0083	6.060.315.00	125
92.0000.5137	6.060.320.00	123
92.0000.1133	6.070.025.01	104
92.0000.1134	6.070.027.98	103
92.0000.1135	6.070.151.00	117
92.0000.1136	6.070.152.00	117
92.0000.1407	6.071.129.00	125
92.0000.7778	6.071.137.00	125
92.0000.0016	6.071.146.99	114
92.0000.0015	6.071.147.99	114
92.0000.1138	6.071.156.10	62
92.0000.1140	6.071.156.99	61
92.0000.1142	6.071.158.00	62
92.0000.1143	6.071.159.10	62
92.0000.1144	6.071.159.99	61
92.0000.1145	6.071.160.99	61
92.0000.1146	6.071.164.99	61
92.0000.1147	6.071.165.99	60
92.0000.1147	6.071.165.99	125
92.0000.1148	6.071.166.99	61
92.0000.1148	6.071.166.99	125
92.0000.1149	6.071.167.99	60
	6.071.171.99	60
92.0000.7336	6.071.177.99	61
92.0000.7337	6.071.178.99	61
95.0000.0035	6.080.460.00	38
92.0000.5149	6.080.461.00	48
92.0000.1150	6.080.462.00	40
92.0000.5150	6.080.463.00	50
95.0000.0036	6.080.464.00	38
92.0000.1151	6.080.465.00	48
92.0000.1152	6.080.466.00	40
92.0000.1153	6.080.467.00	50
92.0000.1154	6.080.468.00	38
92.0000.5151	6.080.469.00	48
92.0000.1155	6.080.470.00	40
92.0000.1156	6.080.471.00	50
92.0000.1157	6.080.472.00	38
92.0000.1158	6.080.473.00	48
92.0000.5152	6.080.474.00	40

Article No. BPW	Article No. Hesterberg	Page
92.0000.1160	6.080.484.00	42
92.0000.1161	6.080.485.00	42
92.0000.5153	6.080.486.00	52
92.0000.5154	6.080.487.00	52
92.0000.5155	6.080.488.00	44
92.0000.5156	6.080.489.00	44
92.0000.5157	6.080.490.00	54
92.0000.5158	6.080.491.00	54
92.0000.1162	6.080.492.00	42
92.0000.1163	6.080.493.00	42
92.0000.1164	6.080.494.00	52
92.0000.1165	6.080.495.00	52
92.0000.5159	6.080.496.00	44
92.0000.5160	6.080.497.00	44
92.0000.5161	6.080.498.00	54
92.0000.5162	6.080.499.00	54
92.0000.1166	6.080.500.00	42
92.0000.1167	6.080.501.00	42
92.0000.5163	6.080.502.00	52
92.0000.5164	6.080.503.00	52
92.0000.5165	6.080.504.00	44
92.0000.5166	6.080.505.00	44
92.0000.5167	6.080.506.00	54
92.0000.5168	6.080.507.00	54
92.0000.1168	6.080.508.00	42
92.0000.1169	6.080.509.00	42
92.0000.1170	6.080.510.00	52
92.0000.1171	6.080.511.00	52
92.0000.5169	6.080.512.00	44
92.0000.5170	6.080.513.00	44
92.0000.1172	6.080.516.00	56
92.0000.1173	6.080.517.00	56
92.0000.5173	6.080.518.00	56
92.0000.5174	6.080.519.00	56
92.0000.5175	6.080.520.00	56
92.0000.5176	6.080.521.00	56
92.0000.1174	6.080.524.00	56
92.0000.1175	6.080.525.00	56
92.0000.5179	6.080.526.00	58
92.0000.5180	6.080.527.00	58
92.0000.1176	6.080.528.00	58

Article No. BPW	Article No. Hesterberg	Page
92.0000.1177	6.080.529.00	58
92.0000.1178	6.080.530.00	58
92.0000.1179	6.080.531.00	58
92.0000.1182	6.080.534.00	58
92.0000.1183	6.080.535.00	58
92.0000.5181	6.080.538.00	38
92.0000.1184	6.080.539.00	48
92.0000.5182	6.080.550.00	42
92.0000.5183	6.080.551.00	42
92.0000.5184	6.080.552.00	52
92.0000.5185	6.080.553.00	52
92.0000.5186	6.080.574.00	56
92.0000.5187	6.080.575.00	56
92.0000.7277	6.080.813.00	48
92.0000.7278	6.080.814.00	52
92.0000.7287	6.080.815.00	52
92.0000.7279	6.080.816.00	48
92.0000.7280	6.080.817.00	52
92.0000.7281	6.080.818.00	52
92.0000.7282	6.080.819.00	50
92.0000.7288	6.080.820.00	54
92.0000.7289	6.080.821.00	54
92.0000.7283	6.080.822.00	48
92.0000.7290	6.080.823.00	52
92.0000.7291	6.080.824.00	52
92.0000.7196	6.080.825.00	50
92.0000.7292	6.080.826.00	54
92.0000.7293	6.080.827.00	54
92.0000.7274	6.080.828.00	48
92.0000.7275	6.080.829.00	52
92.0000.7276	6.080.830.00	52
92.0000.7197	6.080.831.00	50
92.0000.7294	6.080.832.00	54
92.0000.7295	6.080.833.00	54
92.0000.7284	6.080.834.00	48
92.0000.7296	6.080.835.00	52
92.0000.7297	6.080.836.00	52
92.0000.7298	6.080.902.00	56
92.0000.7299	6.080.903.00	56
92.0000.7300	6.080.904.00	56
92.0000.7301	6.080.905.00	56

Article No. BPW	Article No. Hesterberg	Page
92.0000.7302	6.080.906.00	56
92.0000.7303	6.080.907.00	56
92.0000.7304	6.080.908.00	56
92.0000.7305	6.080.909.00	56
92.0000.7306	6.080.910.00	56
92.0000.7307	6.080.911.00	56
92.0000.7421	6.080.922.00	58
92.0000.7422	6.080.923.00	58
92.0000.7423	6.080.924.00	58
92.0000.7424	6.080.925.00	58
92.0000.7425	6.080.926.00	58
92.0000.7426	6.080.927.00	58
92.0000.7427	6.080.928.00	58
92.0000.7428	6.080.929.00	58
92.0000.6438	6.090.116.68	20
92.0000.5223	6.090.121.99	20
92.0000.1187	6.090.145.04	29
92.0000.0041	6.090.151.98	20
95.0000.0079	6.090.151.99	20
92.0000.0043	6.090.153.00	24
92.0000.1189	6.090.154.00	24
95.0000.0078	6.090.155.00	26
92.0000.1190	6.090.155.25	30
92.0000.1190	6.090.155.25	32
92.0000.1191	6.090.155.52	29
95.0000.0023	6.090.156.00	27
95.0000.0024	6.090.157.00	25
92.0000.1196	6.090.158.00	28
92.0000.5537	6.090.159.00	26
92.0000.1198	6.090.160.25	28
92.0000.1199	6.090.177.00	28
92.0000.5227	6.090.181.00	27
92.0000.0014	6.090.201.99	32
92.0000.6255	6.090.203.50	66
92.0000.1213	6.090.203.99	66
92.0000.5233	6.090.204.98	66
92.0000.0013	6.090.204.99	66
92.0000.0013	6.090.204.99	66
92.0000.1214	6.090.206.00	28
92.0000.1216	6.090.211.01	67
92.0000.1217	6.090.211.02	67

Article No. BPW	Article No. Hesterberg	Page
92.0000.1219	6.090.214.01	65
92.0000.1220	6.090.214.02	65
92.0000.1221	6.090.214.03	65
92.0000.1222	6.090.214.04	66
92.0000.6676	6.090.220.98	20
92.0000.1225	6.090.220.99	20
92.0000.6801	6.090.226.00	29
92.0000.5239	6.090.227.99	32
92.0000.5708	6.090.237.00	33
92.0000.5767	6.090.237.55	35
92.0000.6802	6.090.238.00	33
92.0000.5240	6.090.239.00	34
92.0000.5893	6.090.240.00	34
92.0000.5241	6.090.240.55	35
92.0000.6319	6.090.244.00	34
92.0000.6803	6.090.245.00	33
92.0000.5242	6.090.245.55	35
92.0000.6804	6.090.246.00	33
92.0000.5243	6.090.247.00	34
92.0000.5244	6.090.248.00	29
92.0000.7001	6.090.284.51	30
92.0000.1235	6.100.198.01	106
95.0000.0047	6.100.212.00	98
92.0000.1236	6.100.212.55	109
92.0000.1237	6.100.212.95	103
92.0000.1238	6.100.212.96	105
92.0000.1239	6.100.212.97	102
92.0000.1240	6.100.212.98	103
92.0000.1241	6.100.212.99	103
92.0000.1242	6.100.213.00	99
92.0000.1243	6.100.213.55	109
92.0000.1245	6.100.214.55	110
92.0000.1246	6.100.215.00	100
92.0000.5427	6.100.216.00	98
92.0000.5247	6.100.216.55	110
92.0000.5428	6.100.226.00	99
92.0000.5250	6.100.226.55	111
92.0000.5253	6.100.236.55	111
92.0000.7098	6.100.246.00	100
92.0000.6815	6.140.828.00	105
92.0000.6834	6.141.094.98	104

Article No. BPW	Article No. Hesterberg	Page
92.0000.6835	6.141.094.99	102
92.0000.1260	6.141.110.10	105
92.0000.1261	6.141.110.91	108
92.0000.1262	6.141.110.97	102
92.0000.1263	6.141.110.98	103
92.0000.1264	6.141.110.99	103
92.0000.7149	6.141.121.99	91
92.0000.1266	6.141.200.99	10
92.0000.1267	6.141.201.97	10
95.0000.0022	6.141.201.98	10
95.0000.0021	6.141.202.98	10
95.0000.0020	6.141.203.98	10
95.0000.0019	6.141.204.98	10
92.0000.7150	6.141.233.98	90
92.0000.7151	6.141.233.99	90
92.0000.7152	6.141.234.50	90
92.0000.1272	6.141.673.99	91
92.0000.1274	6.141.695.99	91
92.0000.1275	6.141.702.10	106
92.0000.1276	6.141.702.12	107
92.0000.1278	6.141.702.14	108
92.0000.6807	6.141.702.18	106
92.0000.1279	6.141.702.55	109
92.0000.1281	6.141.702.97	107
92.0000.1285	6.141.703.13	107
92.0000.1286	6.141.703.14	108
92.0000.1287	6.141.703.16	104
92.0000.1288	6.141.703.55	108
92.0000.7072	6.141.703.91	104
92.0000.7073	6.141.703.92	104
92.0000.1290	6.141.703.97	102
92.0000.6409	6.141.704.10	106
92.0000.1292	6.141.704.19	105
92.0000.6411	6.141.704.97	107
92.0000.1294	6.141.719.99	91
92.0000.1297	6.141.726.55	109
92.0000.1299	6.141.735.55	110
92.0000.1301	6.141.745.55	110
92.0000.7056	6.141.776.00	95
92.0000.7057	6.141.777.00	95
92.0000.7099	6.141.788.00	96

Article No. BPW	Article No. Hesterberg	Page
92.0000.7100	6.141.789.00	96
92.0000.7101	6.141.790.00	97
92.0000.7102	6.141.791.00	93
92.0000.7103	6.141.792.00	93
92.0000.7104	6.141.793.00	94
92.0000.7105	6.141.794.00	94
95.0000.0037	6.510.354.99	140
92.0000.5840	6.510.363.99	140
95.0000.0040	6.510.409.99	139
95.0000.0041	6.510.410.99	139
92.0000.1305	6.510.418.99	139
92.0000.1306	6.510.419.99	139
92.0000.1307	6.510.429.99	140
92.0000.1308	6.510.430.99	140
92.0000.1309	6.510.469.98	141
92.0000.1310	6.510.469.99	141
92.0000.1311	6.510.470.99	141
92.0000.1313	6.510.481.98	141
92.0000.1314	6.510.481.99	141
92.0000.5269	6.510.595.97	141
92.0000.5270	6.510.595.98	141
92.0000.5271	6.510.598.97	141
92.0000.5272	6.510.598.99	141
92.0000.0008	6.510.627.00	137
92.0000.0007	6.510.628.00	137
92.0000.1323	6.511.145.00	139
92.0000.1323	6.511.145.00	140
92.0000.1324	6.511.149.00	139
92.0000.1324	6.511.149.00	140
95.0000.0038	6.511.355.99	140
95.0000.0039	6.511.356.99	140
92.0000.1326	6.511.486.00	141
92.0000.7410	6.670.006.01	66
95.0000.0025	6.800.174.00	14
95.0000.0026	6.800.174.09	21
95.0000.0027	6.800.174.10	22
92.0000.1339	6.800.174.12	25
	6.800.174.20	22
95.0000.0028	6.800.175.00	14
92.0000.1343	6.800.182.00	18
92.0000.1344	6.800.182.09	21

Article No. BPW	Article No. Hesterberg	Page
92.0000.1345	6.800.183.00	18
92.0000.1346	6.800.184.00	18
92.0000.1348	6.800.185.00	18
92.0000.1349	6.800.197.00	14
92.0000.1350	6.800.198.00	14
92.0000.1351	6.800.206.00	14
92.0000.1353	6.800.211.00	14
92.0000.1354	6.800.212.00	14
92.0000.1356	6.800.216.00	14
92.0000.1357	6.800.216.01	23
92.0000.6364	6.800.218.02	23
92.0000.1362	6.800.258.01	22
92.0000.1363	6.800.258.02	22
92.0000.1364	6.800.259.00	14
92.0000.1365	6.800.265.00	14
92.0000.5288	6.800.353.00	14
92.0000.5771	6.800.409.13	32
92.0000.7411	6.800.442.00	65
92.0000.7401	6.800.442.10	65
92.0000.6828	6.800.462.00	31
95.0000.0081	6.810.060.53	77
92.0000.7418	6.810.067.59	77
95.0000.0082	6.810.078.59	77
95.0000.0082	6.810.078.59	78
95.0000.0082	6.810.078.59	80
92.0000.1389	6.810.085.81	77
92.0000.1389	6.810.085.81	80
92.0000.1390	6.810.088.03	80
92.0000.1393	6.810.088.53	80
95.0000.0032	6.810.168.60	77
95.0000.0033	6.810.169.60	77
92.0000.5327	6.810.179.60	77
92.0000.5329	6.810.183.60	77
92.0000.5784	6.810.194.59	77
92.0000.5791	6.810.199.00	73
92.0000.5785	6.810.199.60	77
	6.810.202.57	76
92.0000.7543	6.810.202.60	72
92.0000.7543	6.810.202.60	76
92.0000.7544	6.810.202.68	72
92.0000.7544	6.810.202.68	76

Article No. BPW	Article No. Hesterberg	Page
92.0000.7545	6.810.202.72	72
92.0000.7545	6.810.202.72	76
92.0000.7546	6.810.202.76	72
92.0000.7546	6.810.202.76	76
92.0000.7547	6.810.202.84	72
92.0000.7547	6.810.202.84	76
92.0000.7752	6.810.202.96	77
92.0000.7753	6.810.202.97	76
92.0000.7754	6.810.202.98	76
92.0000.7755	6.810.202.99	76
92.0000.7763	6.810.221.02	79
92.0000.7764	6.810.221.07	79
92.0000.7766	6.810.221.50	78
92.0000.7767	6.810.221.98	78
92.0000.7768	6.810.221.99	78
92.0000.7769	6.810.222.01	78
92.0000.7770	6.810.222.60	78
92.0000.7757	6.810.232.99	76
95.0000.0056	6.850.036.00	28
95.0000.0057	6.850.038.00	30
95.0000.0061	6.850.040.00	68
95.0000.0058	6.850.041.00	30
95.0000.0069	6.850.047.00	63
95.0000.0070	6.850.048.00	63
95.0000.0071	6.850.049.00	63
95.0000.0072	6.850.050.00	64
95.0000.0073	6.850.051.00	63
95.0000.0067	6.850.052.00	11
95.0000.0068	6.850.053.00	11
95.0000.0075	6.850.055.00	64
92.0000.7351	6.850.079.00	64

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