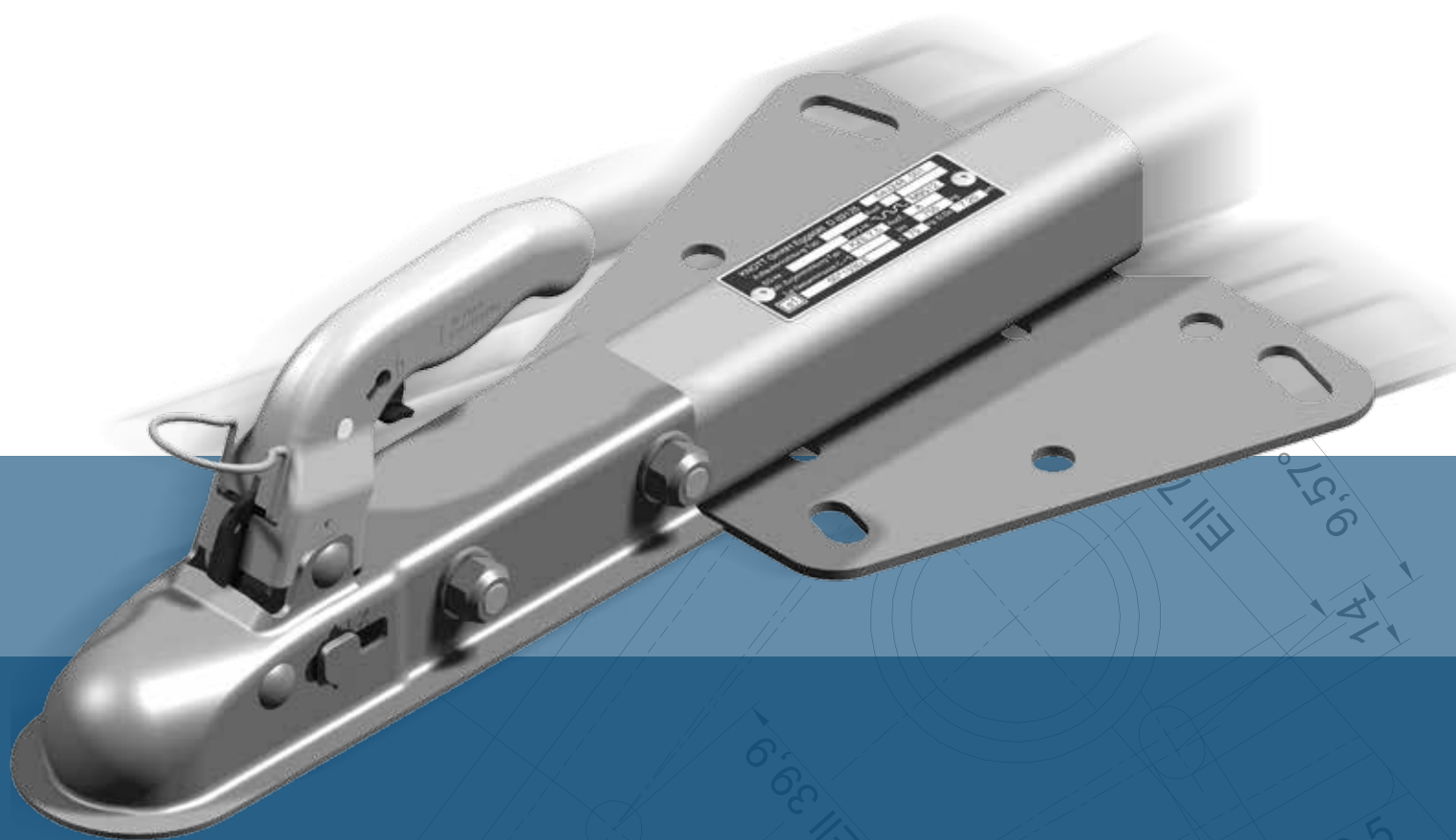
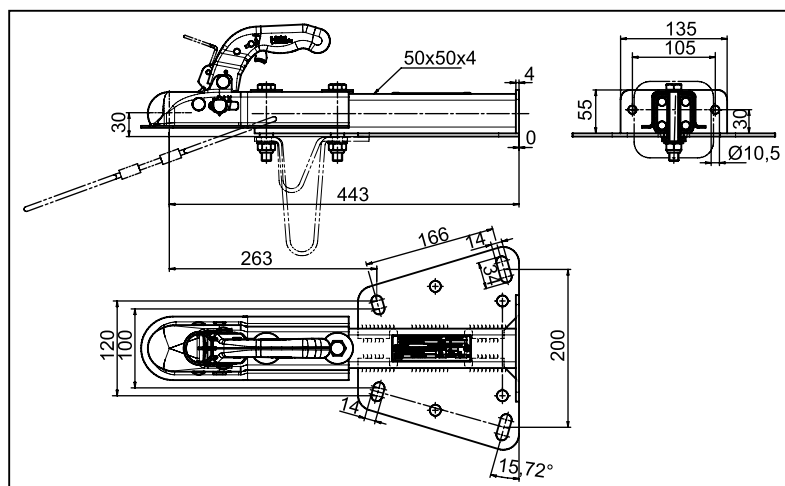
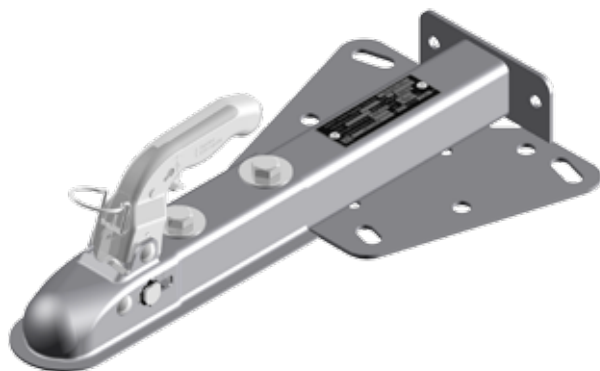
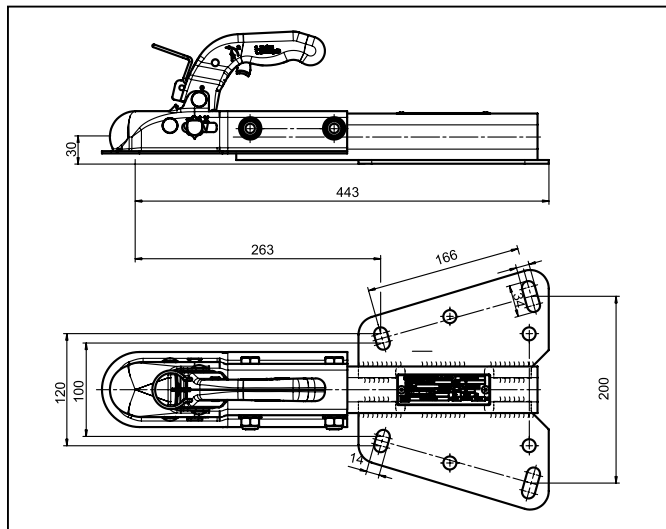




UNBRAKED DRAWBAR

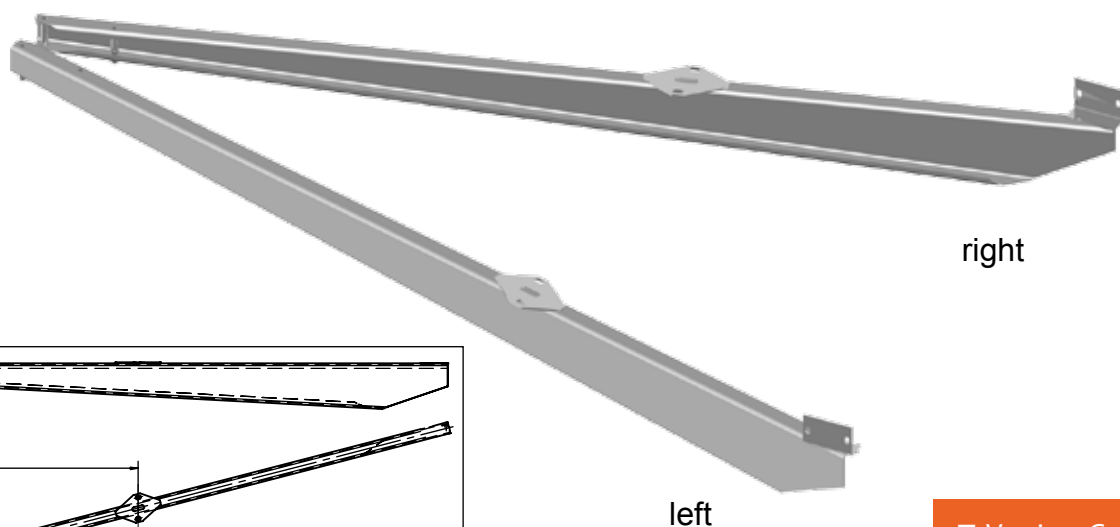
“V FLANGE” DRAWBAR KZE 7,5



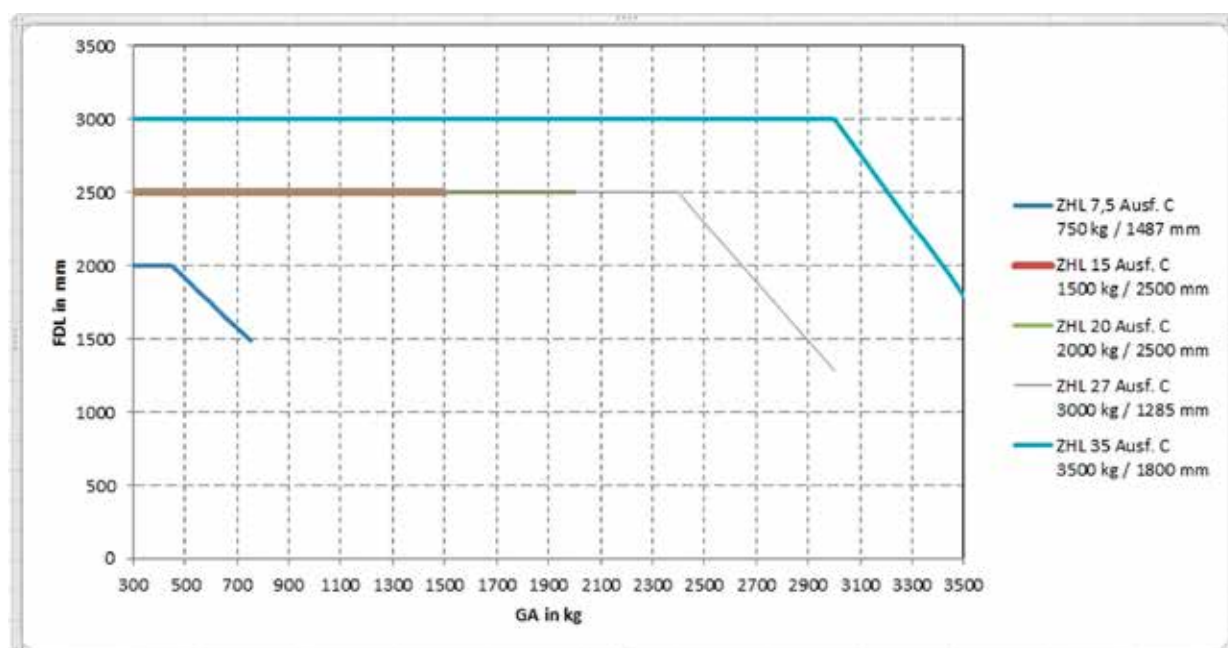
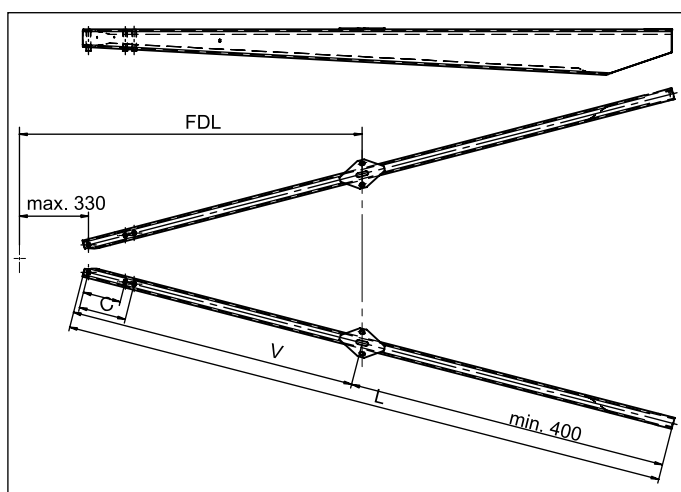
Type	Coupling head	Dc-value (KN)	Vertical load (max. kg) at the coupling point	GVWR (kg)	ECE number	Article number
KZE 7,5	K7,5HN3	7,2	75	750	55R-011530	6A2077.001
KZE 7,5	K7,5KN3	7,2	75	750	55R-011530	6A3248.003



A FRAME DRAWBAR (welded version)

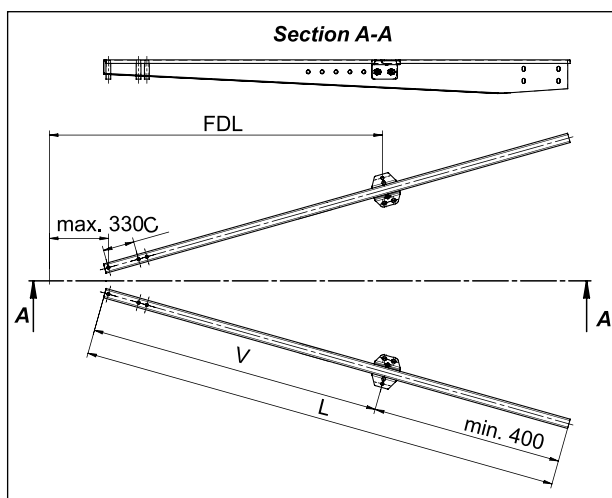
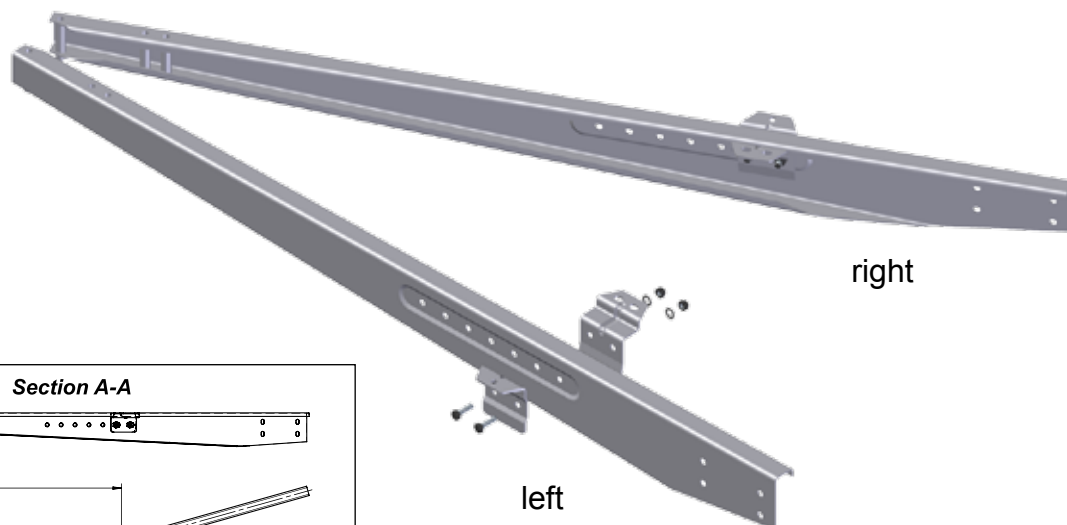


■ Version: C

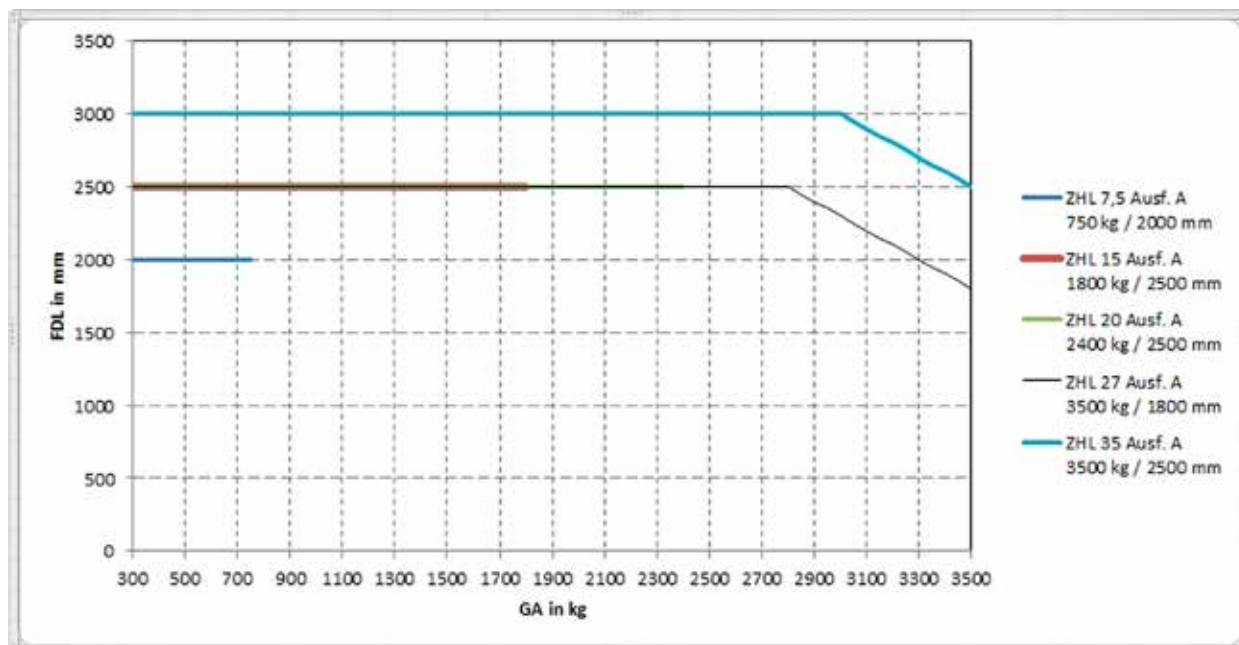


Type	D-value (kN)	Vert. load. (max. kg)	FDL	C (mm)	V (mm)	ECE-number	Drawing number {recommendation}
ZHL 7,5	7,2	75	750 kg / 1487 mm	130/166	-	55R-011960	-
ZHL 15	17	100	1500 kg / 2500 mm	130/166	1195	55R-010565	6A4719
ZHL 20	22	100	2000 kg / 2500 mm	166/207	931	55R-010579	6A5280
ZHL 27	31	300	3000 kg / 1285 mm	166/207	1023	55R-010300	6A4003
ZHL 35	31	350	3500 kg / 1800 mm	166/207	1260	55R-010729	6A4790

A FRAME DRAWBAR (mountable version)



- Version: A
- L (mm) min-max: 1500 - 3000



Type	D-value (kN)	Vert. load. (max. kg)	FDL	C (mm)	V (mm) {recomendation}	ECE-number	Drawing number {recomendation}
ZHL 7,5	7,2	75	750 kg / 2000 mm	130 or 166	1267	55R-011960	6B4465
ZHL 15	17	100	1800 kg / 2500 mm	130 or 166	910-1210	55R-010565	6A4507
ZHL 20	22	100	2400 kg / 2500 mm	166/207	910-1210	55R-010579	6A1136
ZHL 27	31	300	3500kg / 1800 mm	166/207	910-1210	55R-010300	6A1176
ZHL 35	31	350	3500 kg / 2500 mm	166/207	1130-1430	55R-010729	6A2775

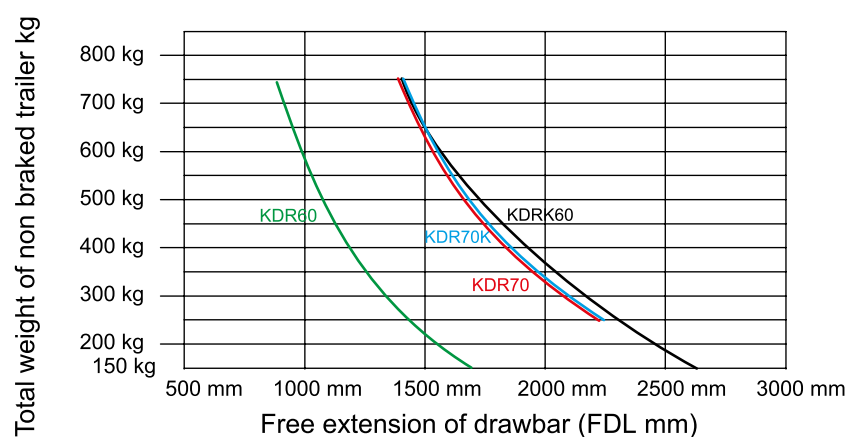
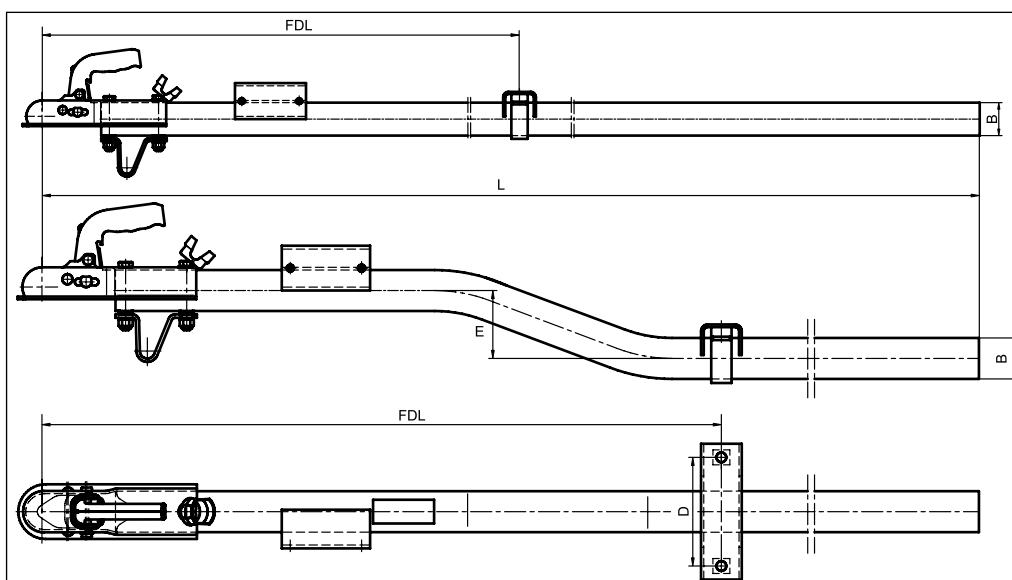


DRAWBAR round

KDR



KDRK

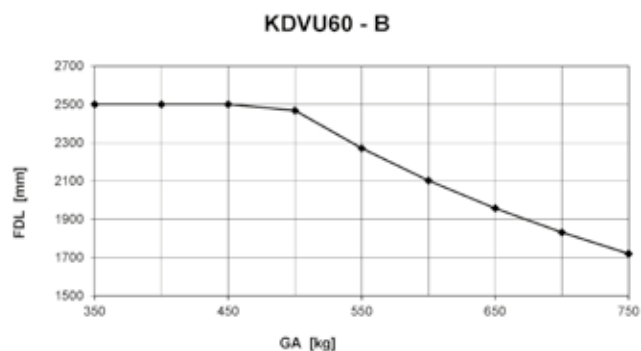
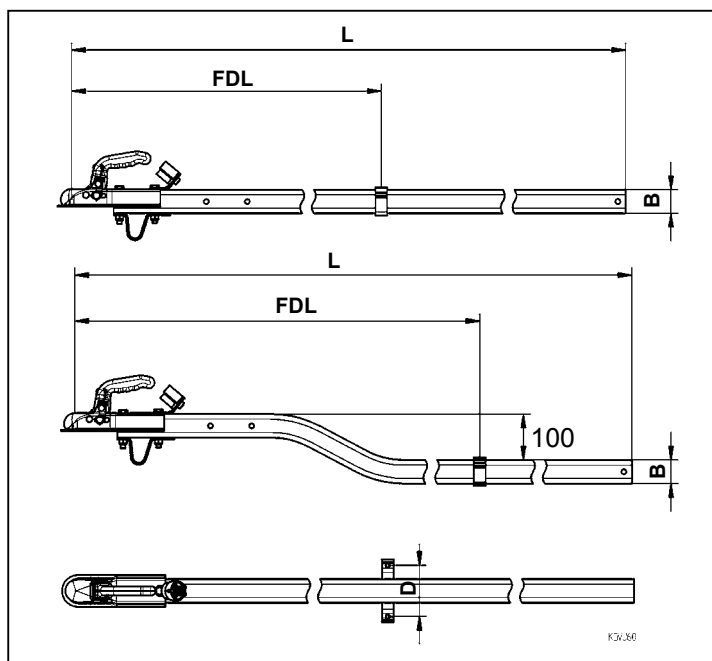


- Coupling head: K14CN3
- Vert. load: 75 kg
- GVWR: 750 kg

Type	E (mm)	FDL (mm)	D (mm)	B (mm)	"L" (mm) Standard max.	ECE- number	Article number
KDR70	-	1390	160	Ø70×4	2000 6108	55R-010887	6A1246.004
KDRK70 cranked	100	1365	160	Ø70×4	2000 5800	55R-010947	6A1248.001

DRAWBAR

square
KDVU 60



- Coupling head: K7,5LN3
- Vert. load: 75 kg
- GVWR: 750 kg
- ECE-number: 55R-011877

Type	FDL (mm)	D (mm)	B (mm)	L (mm)	Article number
KDVU60-B	1227	130	60×60×3	2000	205601.001
KDVU60-B	1227	130	60×60×3	2500	205601.002
KDVU60-B	1227	130	60×60×3	3000	205601.003

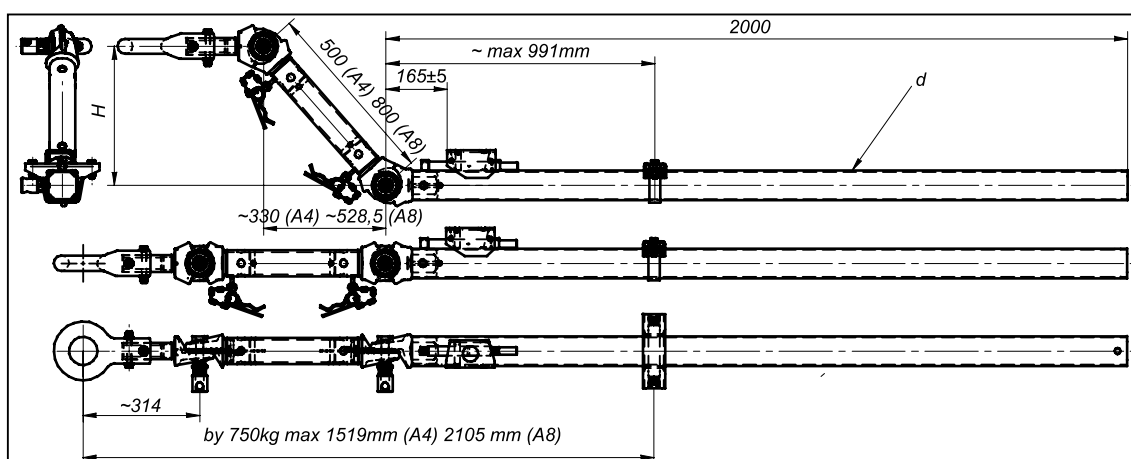
Type	FDL (mm)	D (mm)	B (mm)	L (mm)	Article number
KDVU60-B cranked	1227	130	60×60×3	2000	205930.001
KDVU60-B cranked	1227	130	60×60×3	2500	205930.002
KDVU60-B cranked	1227	130	60×60×3	3000	205930.003



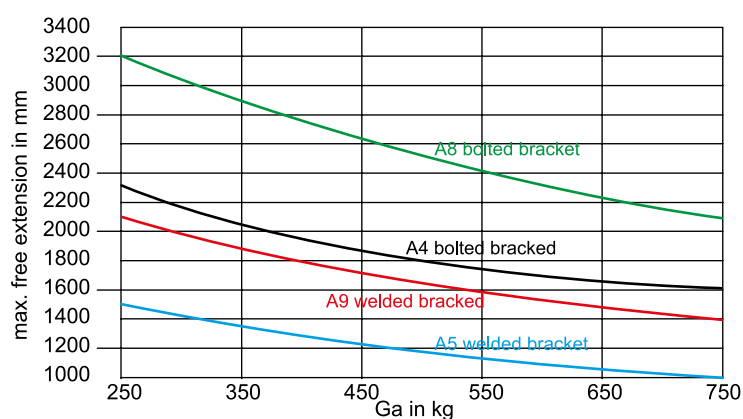
ADJUSTABLE HEIGHT DRAWBAR

KDVV 7,5

KDVV 7,5



- Vert. load: 100 kg
- GVWR: 750 kg
- ECE number: 55R-011271



Type	Coupling	Adjustable Height H (mm)	d (mm)	Article number
KDVV 7,5 A4	NATO45	375	80×80×3	6G0020.100
KDVV 7,5 A4	DIN45	375	80×80×3	6G0020.110
KDVV 7,5 A4	KK14BN3	375	80×80×3	6G0020.120
KDVV 7,5 A8	NATO45	600	80×80×4	6G0021.100
KDVV 7,5 A8	DIN45	600	80×80×4	6G0021.110
KDVV 7,5 A8	KK14BN3	600	80×80×4	6G0021.120

3 benefits of our ETS Plus system:

KNOTT

- 1 Provides increased stability.**
ETS Plus reacts at lightning speed in dangerous situations by controlled braking which reliably prevents snaking and instability.
- 2 A perfect fit for your Hobby caravan.**
ETS Plus is optimised to suit your caravan and is easily installed.
- 3 Long term reliability.**
By selecting high quality and high performance materials, you will be able to enjoy the benefits of your ETS Plus for many years.

Do you have any questions about the Original Knott ETS Plus?

We'll gladly answer them personally!
E-mail: ETS-Plus@knott.de

With ETS Plus, safety and stability
will be assured on every journey. ■■

ETS Plus was developed by:
M.Sc. Eng. Josef Strasser (r.)
and Mechanical Engineer
Christian Mertinko (l.)



We are Original Knott.

Your safety whilst driving is the principle aim
of our work – and has been since 1937.

Since then our ideas and solutions have grown to
a wealth of experience which we use to continually
improve ORIGINAL KNOTT products for you.

Since 1997 our partnership with Hobby has ensured
your driving safety. We manufacture axles,
drawbars, overrun hitches, chassis and brakes
which are proven, safe and manufactured to class
leading standards.

www.better-knott.com

I am on the right road.

With the stabilisation system ETS Plus by Knott.



KNOTT



ETS Plus:
Compact safety.
Perfectly integrated



Safely on tour.

Caravan owners start their holiday as soon as
they start travelling. It should not only be filled with
anticipation but also be safe. The feeling of being
in control and safe whilst towing your caravan and
staying in the right lane in critical situations now has
a name: **ETS Plus**.

No matter what size of car/trailer combination you
have, whether side winds, hills or bends confront
you – our stabilisation system operates to reliably
prevent snaking and instability.

For increased stability on your journey.

Travelling more safely – a question of technology

The integrated sensor of the ETS Plus automatically
keeps a **watchful eye on the movement of your
caravan**, and special software evaluates the data in
real time.

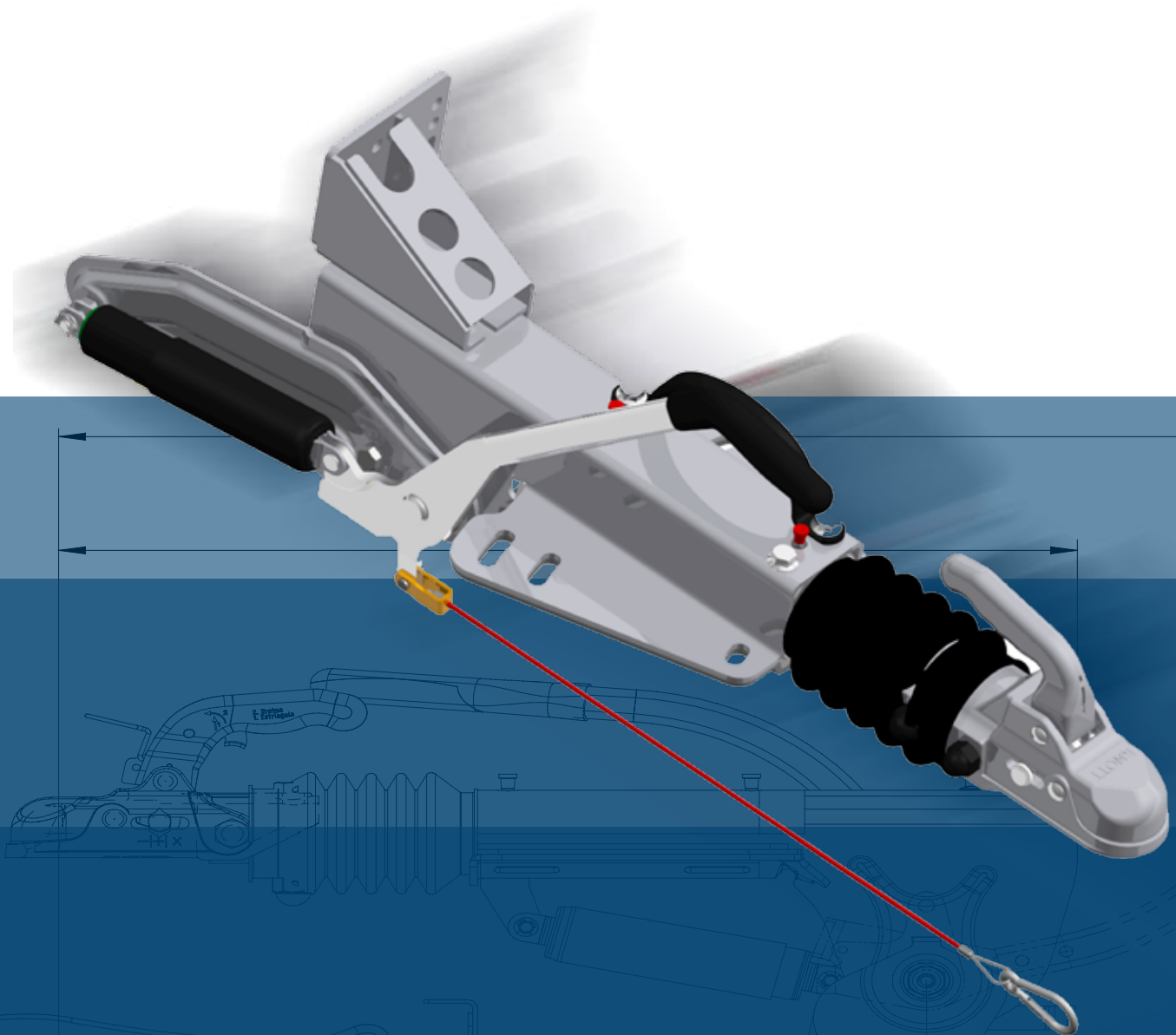
Normal conditions are recognised as such – not
every bump in the road should result in a response.

However, when the situation starts to become
critical, the software reacts at lightning speed: **this is**

**achieved by our own algorithm which initiates
the stabilising process within a fraction of a
second and actuates the brakes to counteract
the snaking.**



Modern sensors and high quality materials support
a passion for travel whilst ensuring the highest
degree of safety. A proven stabilisation system
which will assist you consistently and reliably on
all your journeys.



OVERRUN DEVICE

Die (R)Evolution für mehr Sicherheit.

Das Geheimnis unserer neuen Original KNOTT Komfort-Achse liegt in der speziellen Formgebung und in einer „frostigen“ Idee.

Denn die vier Gummielemente kühlen wir bei der Fertigung auf etwa -100°C ab. So schrumpfen sie und lassen sich **schonend** in den Spalt zwischen Achsrohr und Schwingwelle schieben. Exakt passend sorgen sie so für die **bessere Federung** und auch die Spurbreite der Achse kann **genauer eingestellt** werden.



Deep-Freeze Technologie

Mit extremer Kälte zu extrem guter Federwirkung.

Darum die Knott Komfort-Achse:

- vier statt nur drei Gummielemente für mehr **Sicherheit und Komfort**
- bessere **Fahrstabilität**
- besondere **Langlebigkeit**
- **präziseres Einstellen der Achsen-Spurbreite**
- verhindert bei Überlastung **Durchdrehen** der Schwingachse

Wir sind Original Knott.

Schon seit 1937 ist Ihre Sicherheit beim Fahren unsere Motivation. Diese Erfahrung und unser Wissen um vielfach bewährte Industriequalität machen unsere Original KNOTT-Produkte besser.

Sie möchten mehr erfahren?

Sprechen Sie uns gerne an:
KNOTT Trailertechnik
Telefon: +49 9402 9317-0
E-Mail: info@knott.de
www.knott.de/trailertechnik



**Vier
sind besser
als drei.**

**Sicherer unterwegs mit der Original
Komfort-Achse von KNOTT.**

KNOTT)))

KNOTT)))

Darum sind vier besser als drei



Sind Sie mit Ihrem Caravan oder PKW-Anhänger schon sicher unterwegs? Denn bei vielen Gummifeder-Achsen wird die Federungsarbeit auf nur drei Gummielemente verteilt. **Für Sie setzen wir beim Herzstück unserer Achsen konsequent auf vier Gummielemente:**

- zum besseren Schutz vor gefährlichem Aufschaukeln
- Der mit vier Gummielementen umfasste Bereich der Schwingwelle ist größer und verhindert das Mitlenken der Achse.
- für mehr Fahrstabilität
- für eine verbesserte Federungskennlinie und eine sehr präzisere Federungseinstellung

Für mehr Komfort und Sicherheit auf Ihren Touren.

Aber Gutes kann noch besser werden.

Die innenliegende Schwingachse als Vierkantrrohr mit nach innen geschwungenen Seiten und einzigartiger Form garantiert **Passgenauigkeit, längere Lebensdauer und ausgezeichnete Federungseigenschaften**. Wie keine andere passt sich die Federung unserer Komfort-Achse an verschiedene Fahrsituationen an: **sanft und komfortabel** beim leeren oder teilbeladenen Caravan bzw. Anhänger – bei Überlast kraftvoll sicher.

So sind Sie mit der Original KNOTT Trailertechnik sicherer mit allen Anhängertypen auf Tour.

0° = unbelastet



Bei der Original KNOTT Achse umfassen vier anstatt nur drei Gummielemente zuverlässig die innenliegende Schwingwelle und sorgen für die bessere Fahrstabilität.

Gummiquerschnitt
4 x ca. 600 mm²

15° = 1,0 x Nennlast



Mit ihrer einzigartigen Form wälkt die Schwingachse schonend das Gummi statt es zu quetschen: für eine lange Lebensdauer und eine deutlich komfortablere Federung.

30° = 2,0 x Nennlast

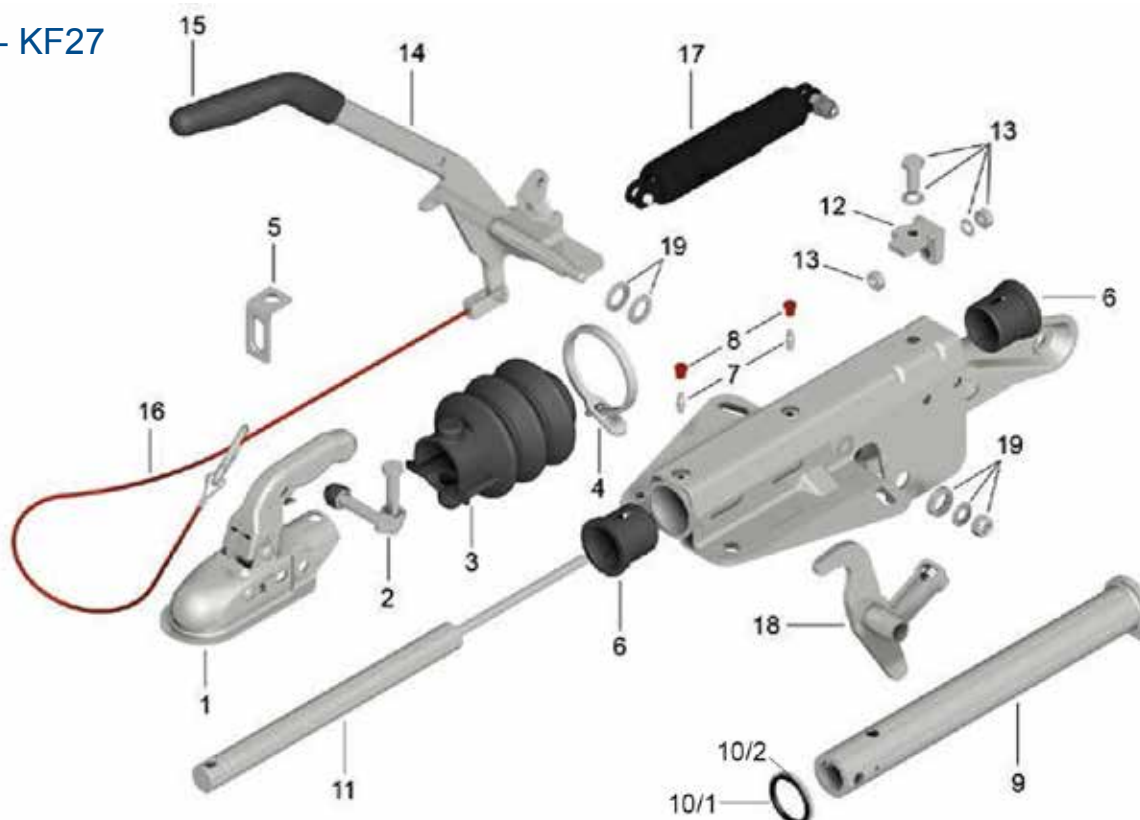


Die **clevere Sicke** im Achsrohr verhindert das Durchdrehen der Schwingachse bei Überlastung.



SPARE PARTS FOR OVERRUN COUPLING KF 13-27

KF13 - KF27

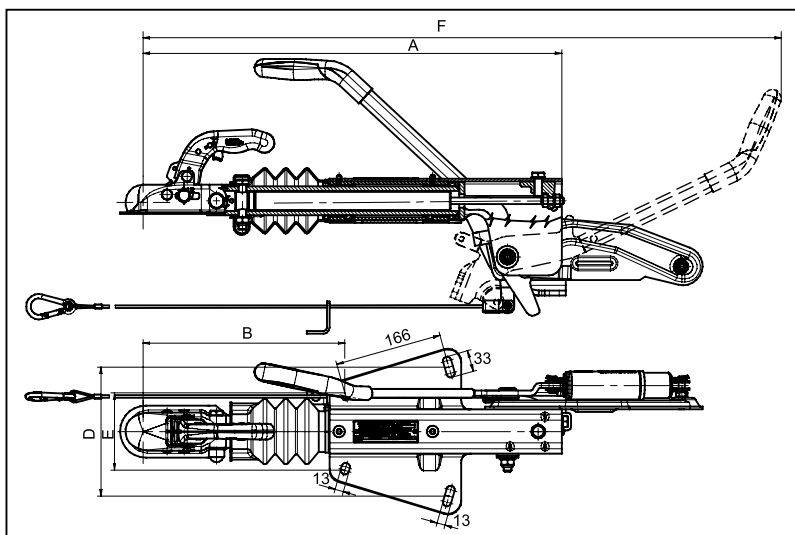


Nº	Description
1	Coupling head
2	Hexagon head bolt
3	Rubber bellows KF13 - KF27
4	Tie wrap
5	Bracket for breakaway cable
6	Guide bearing
7	Greasing nipple
8	Greasing nipple cap
9	Drawtube
10/1	Rubber stop ring
10/2	Support ring
11	Gas-filled shock absorber
12	Shock absorber bracket KF13 - KF27
13	Hexagon head bolt kit
14	Hand-brake assembly
15	Handgrip
16	Breakaway cable (complete) l=1200
17	Handbrake energy store
18	Transmission lever, complete
19	Washer
20	Hexagon head bolt kit

OVERRUN A FRAME COUPLING KF 7,5 - 30



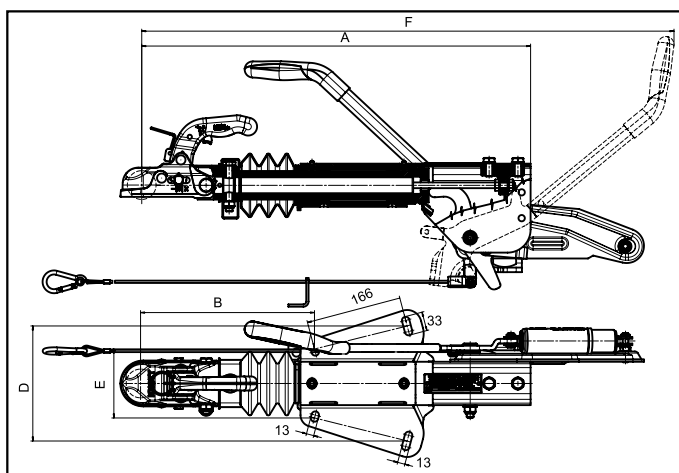
KF 7,5-20



Type	Coupling head	Vertical load (max. kg)	GVWR (kg)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	ECE number	Article number
KF 7,5 C	KK14BN3	100	750	649	313	200	110	990	55R-012073	6J1356.102
KF 13 C	KK14BN3	100	1300	649	313	200	110	990	55R-012073	6J1060.102
KF 20 A	K20BN3	100	2000	649	313	200	110	990	55R-012073	6J1191.107



KF 27-30

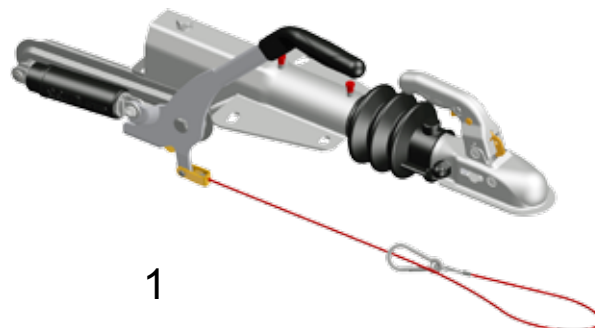
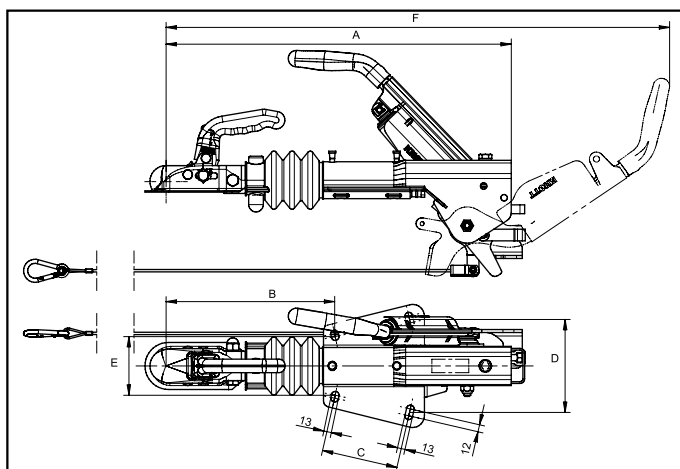


Type	Coupling head	Vertical load (max. kg)	GVWR (kg)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	ECE number	Article number
KF 27 A1	K27AN3	150	2700	676	302	200	110/120	925	55R-012063	6J2200.004
KF 30 C	K35AN3	150	3000	682	313	200	110/120	946	55R-012066	205244.001

The overrun device can be ordered either with DIN or with NATO eye



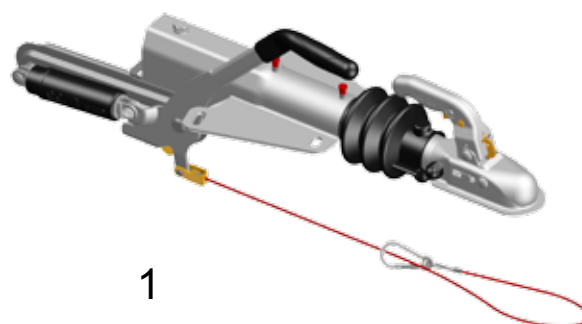
OVERRUN A FRAME COUPLING KFL 12 - 14



1

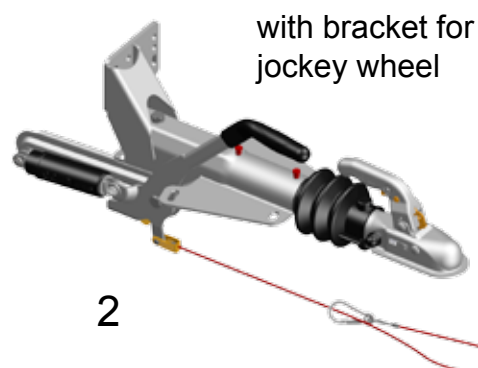
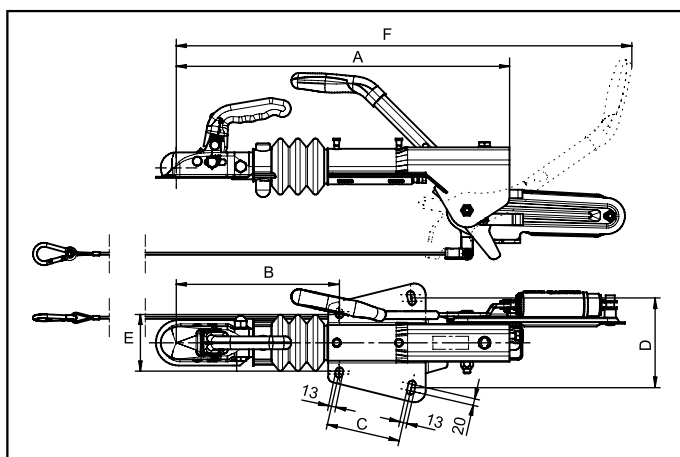
KFL 12

- Coupling head: KK14BN3
- Vert. load: 100 kg
- ECE number: 55R-011590
- Model: GF



1

Nº	Type	GVWR (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Article number
1	KFL 12 C	450-750	588	288	130	158	100/109	804	204005.000
1	KFL 12 A	750-1300	588	288	130	158	100/110	858	203595.001
1	KFL 14 A	750-1400	588	288	166	200	100/120	810	205521.001
2	KFL 14 A	750-1400	588	288	166	200	100/120	810	205800.001



with bracket for
jockey wheel

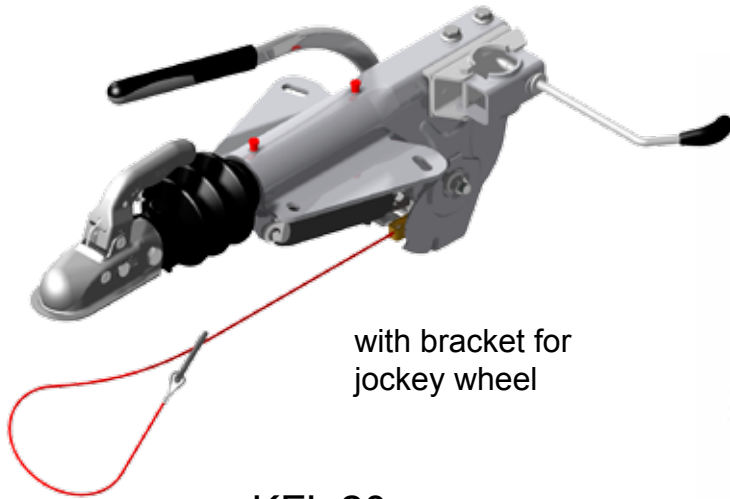
2

KFL 14

The overrun device can be ordered either with DIN or with NATO eye

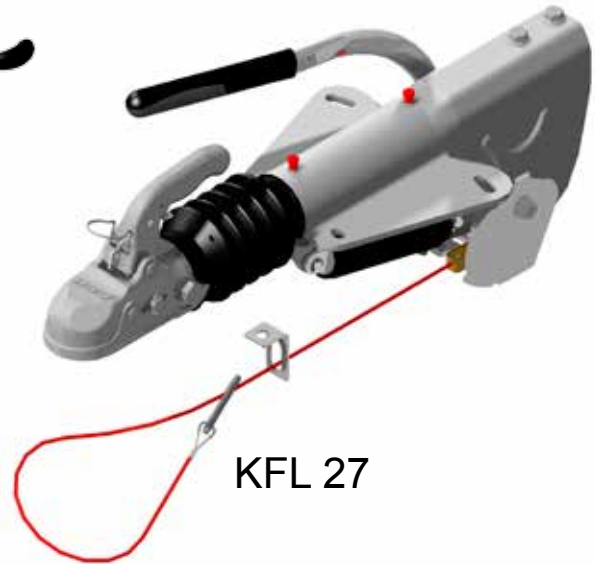
OVERRUN A FRAME COUPLING

KFL 20 - 27 GFV

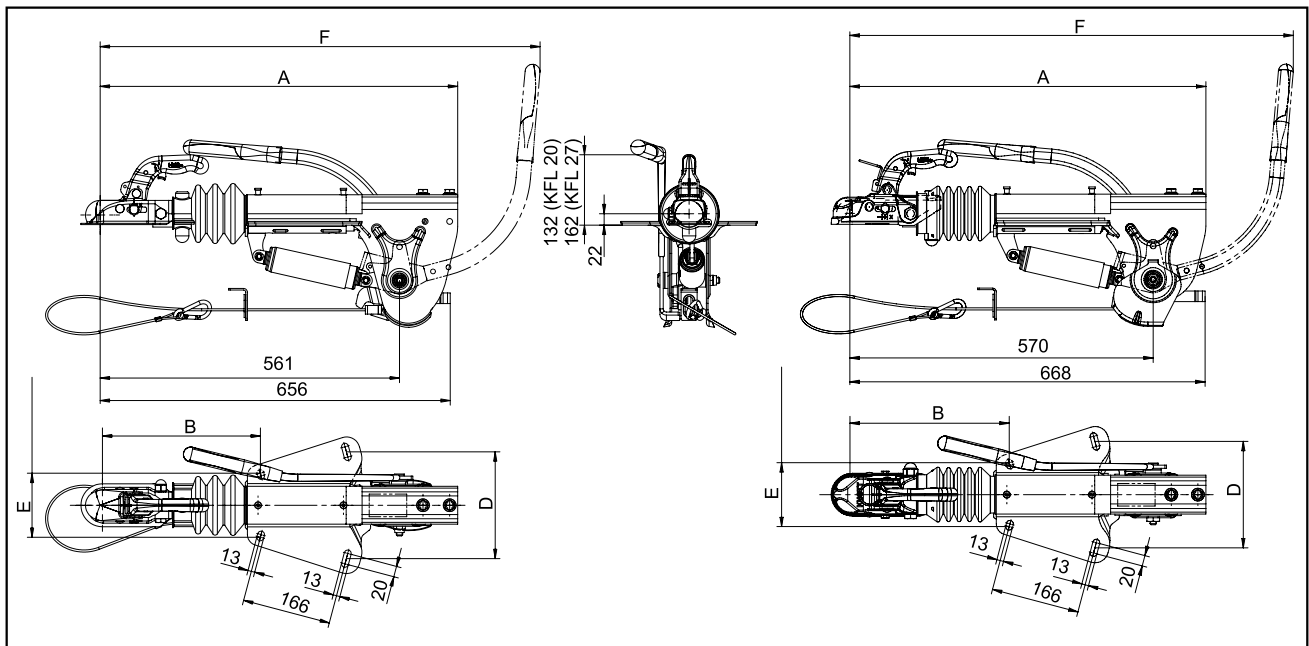


with bracket for
jockey wheel

KFL 20



KFL 27

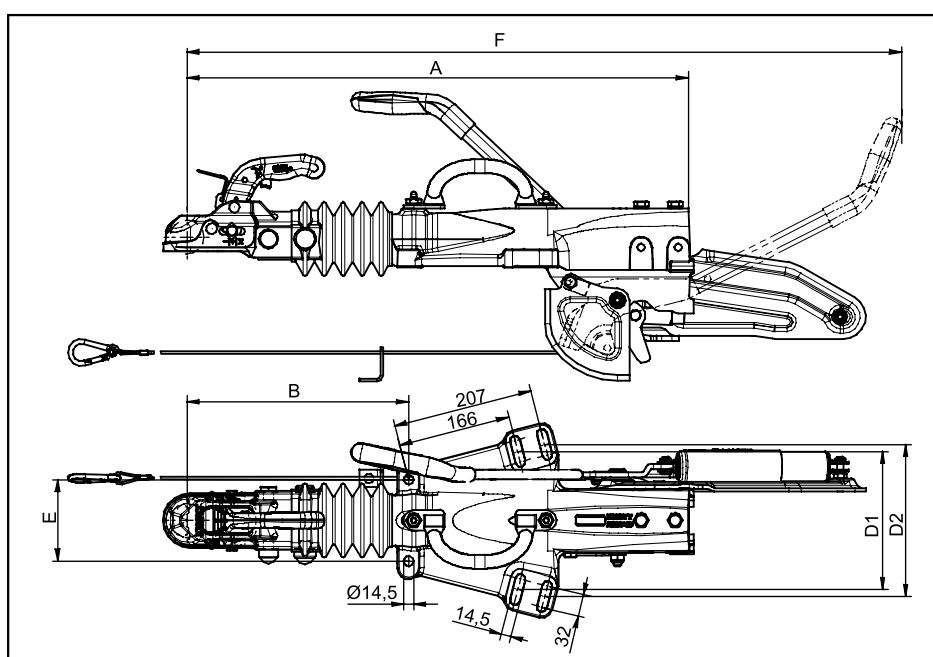
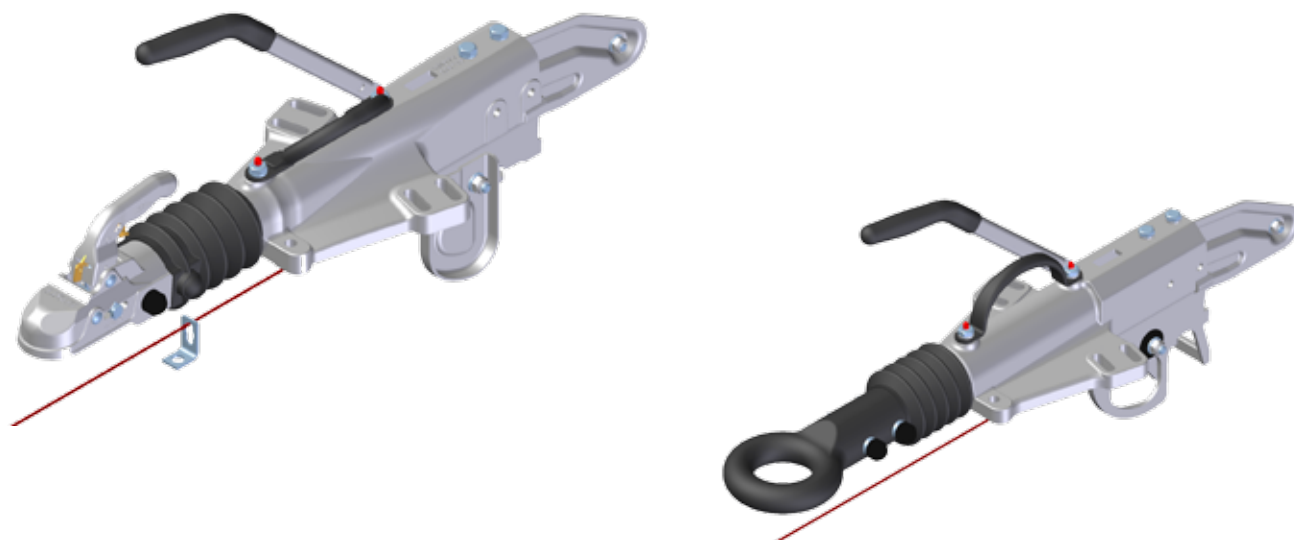


Type	Coupling head	Vertical load (max. kg)	GVWR (kg)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	ECE number	Article number
KFL 20 A	K24N3	100	2000	670	296	200	110/120	764	55R-011950	205179.001
KFL 20 B	K24N3	100	2400	670	296	200	110/120	824	55R-011950	206174.001
KFL 27 A	K27AN3	150	2700	669	299	200	110/120	833	55R-012116	206606.001

The overrun device can be ordered either with DIN or with NATO eye



OVERRUN A FRAME COUPLING KFG 30-35 GF

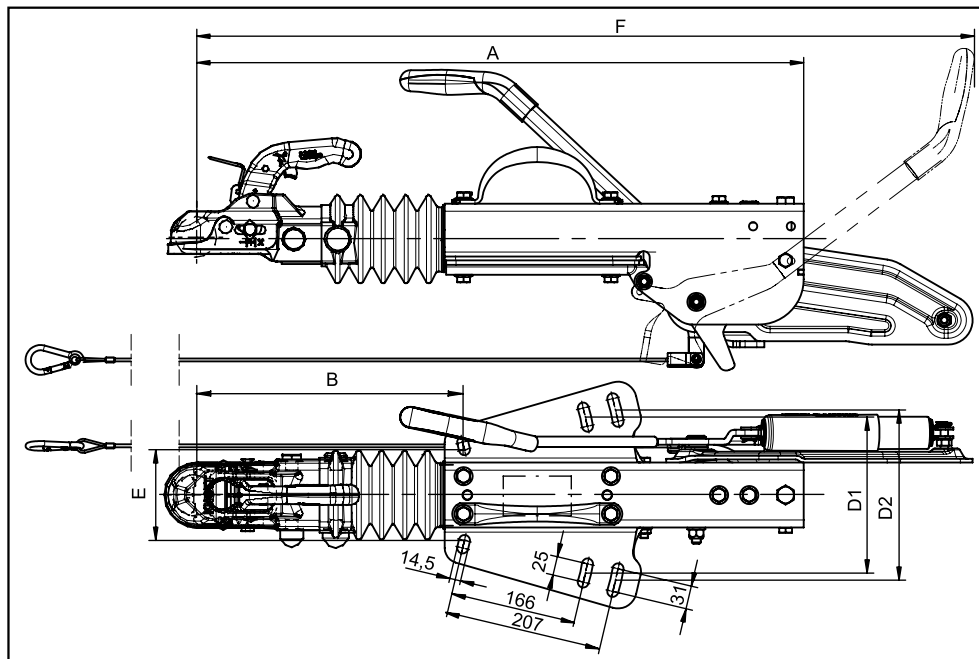
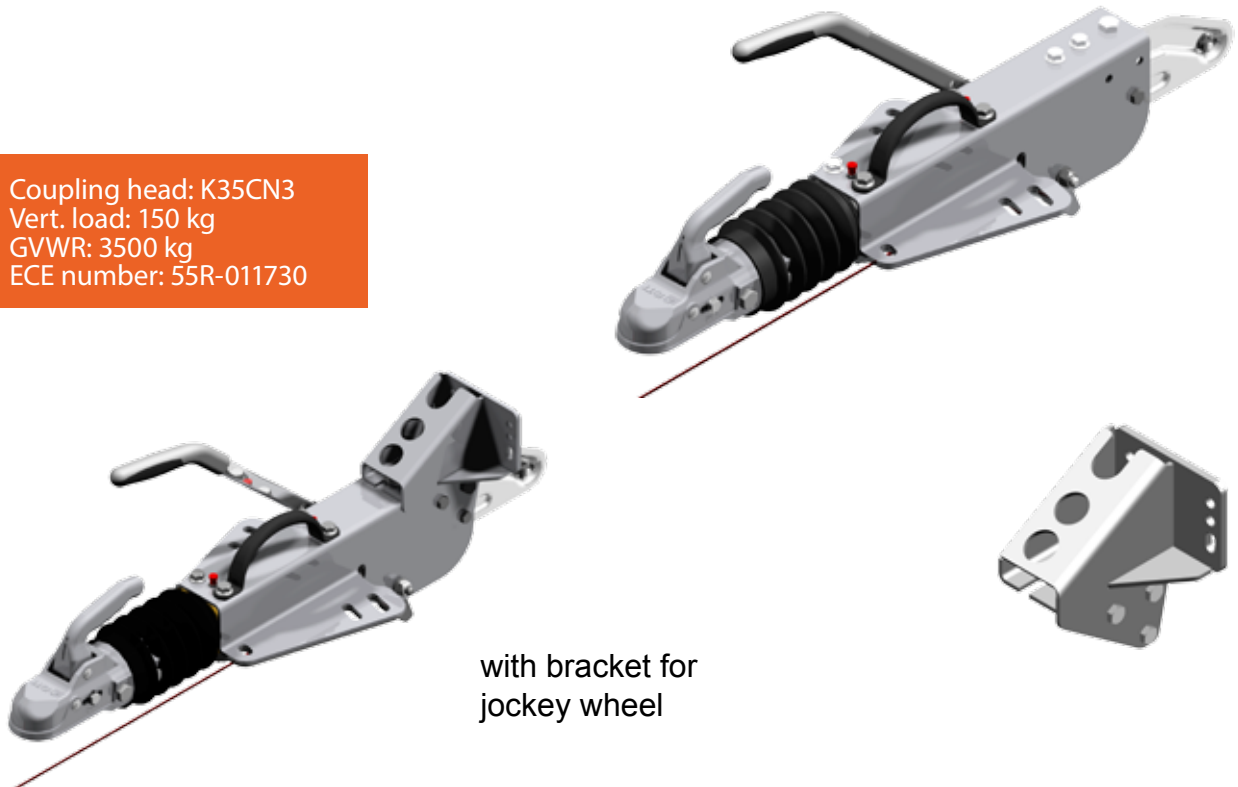


Type	Coupling head	Vertical load EC (max. kg)	GVWR ECE (kg)	A (mm)	B (mm)	D1 (mm)	D2 (mm)	E (mm)	F (mm)	ECE number	Article number	
KFG 30 A	K35AN3	150	300	3000	673	300	181	239	120	988	55R-010646	6J1493.004
KFG 35 D	K35CN3	150	350	3500	738	326	203	220	140	1052	55R-010647	6J1599.402
KFG 35 D	DIN eye	150	350	3500	738	326	203	220	140	1052	55R-010647	6J1599.404
KFG 35 D	NATO eye	150	350	3500	738	326	203	220	140	1052	55R-010647	6J1599.405

The overrun device can be ordered either with DIN or with NATO eye

OVERRUN A FRAME COUPLING KFGL 35

- Coupling head: K35CN3
- Vert. load: 150 kg
- GVWR: 3500 kg
- ECE number: 55R-011730

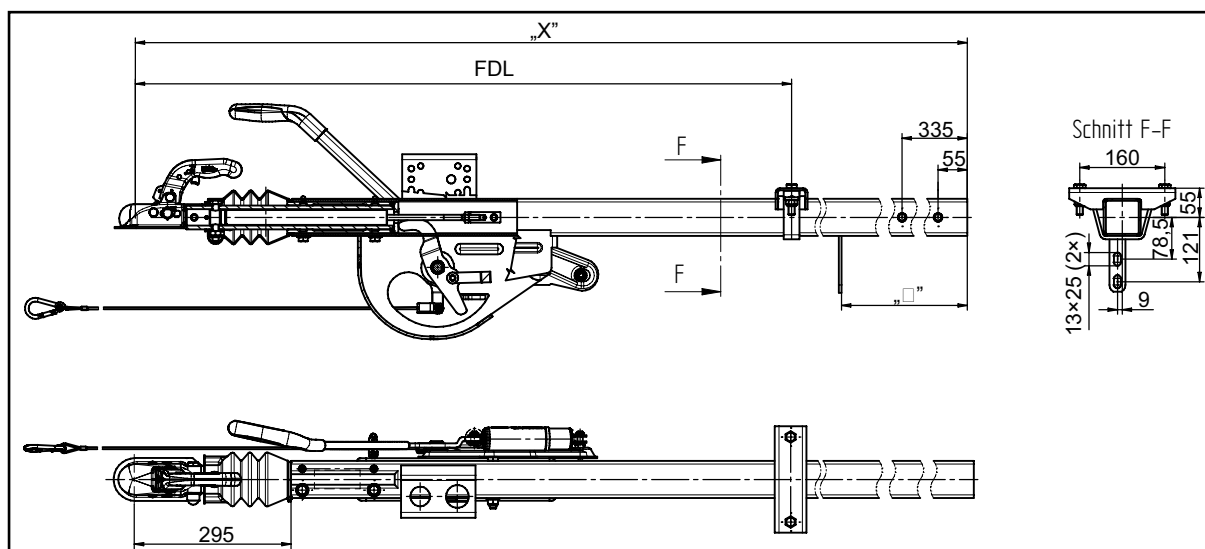


Type	Model	A (mm)	B (mm)	D1 (mm)	D2 (mm)	E (mm)	F (mm)	Article number
KFGL 35 A	GF	774	324	206	225	120/140	1056	204530.001
KFGL 35 A	GF	774	324	206	225	120/140	1056	204532.001

The overrun device can be ordered either with DIN or with NATO eye



OVERRUN IN-LINE COUPLING (square tube) KV 13-18

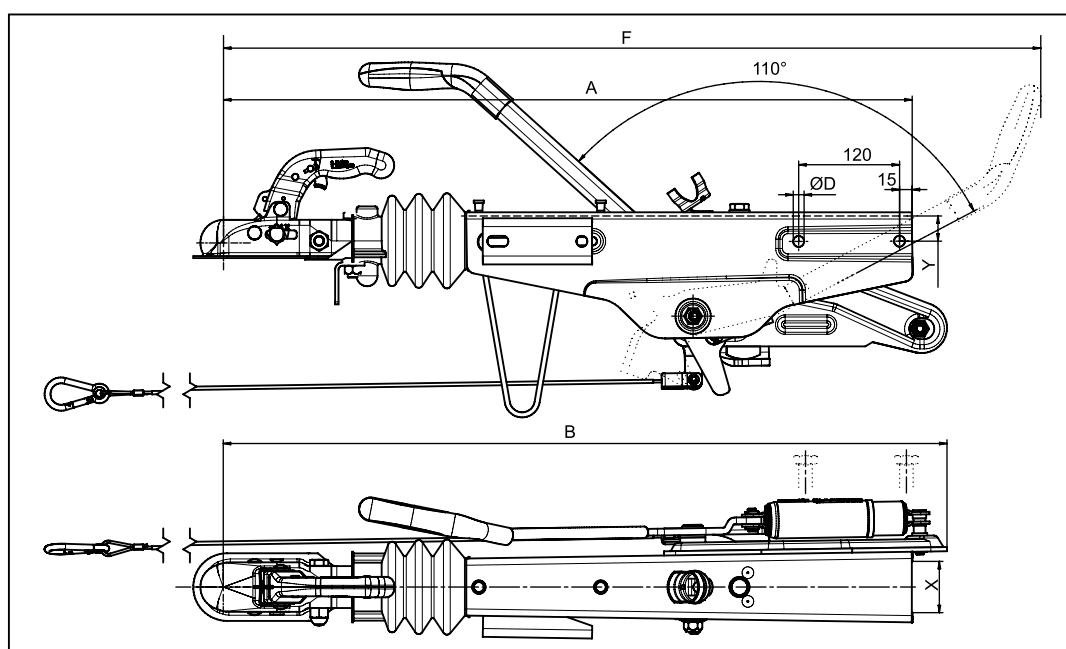
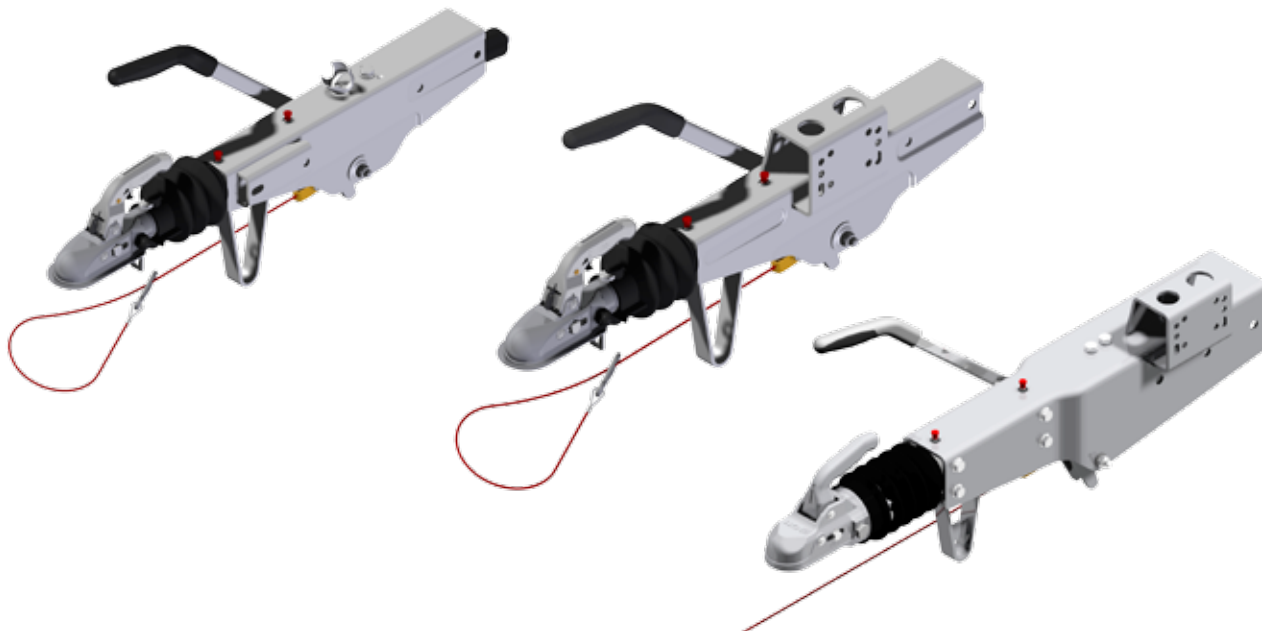


Type	FDL at GA	GVWR (kg)
KV 13 C2	1400 kg/ 1235 mm	1300
KV 18 C	2000 kg/ 1044 mm	2000

Type	Model	Coupling head	Vertical load (max. kg)	X (mm)	Y (mm)	D (mm)	ECE-number	Article number
KV 13 C2	GF	KK14BN3	100	2520	1130	70×70×4	55R-010766	6J2442.001
KV 18 C	GF	K20BN3	100	2600	1130	70×70×5	55R-010553	6J2439.001

Length "X" can be specified according to the requirements
The overrun device can be ordered either with DIN or with NATO eye

OVERRUN IN-LINE COUPLING (square tube) KRV 7,5 - 35



Type	Coupling head	Vertical load (max. kg)	Load capacity (kg)	A (mm)	B (mm)	D (mm)	F (mm)	X (mm)	ECE number	Article number
KRV 13-C GF	KK14BN3	75	750	819	649	13	940	70	55R-011010	6J3061.001
KRV 13-C GF	KK14BN3	100	1300	819	861	13	972	60	55R-011010	6J3061.061
KRV 17-C GF	K20BN3	100	1700	819	861	13	972	70	55R-011010	6J3065.001
KRV 20-A GF	K20BN3	100	2000	836	873	16,5	984	100	55R-011018	209264.001
KRV 30-B GF	K35AN3	150	3000	853	942	16,5	913	100	---	203579.001
KRV 35-A	K35CN3	150	3500	988	1010	16,5	1037	120	---	203995.001

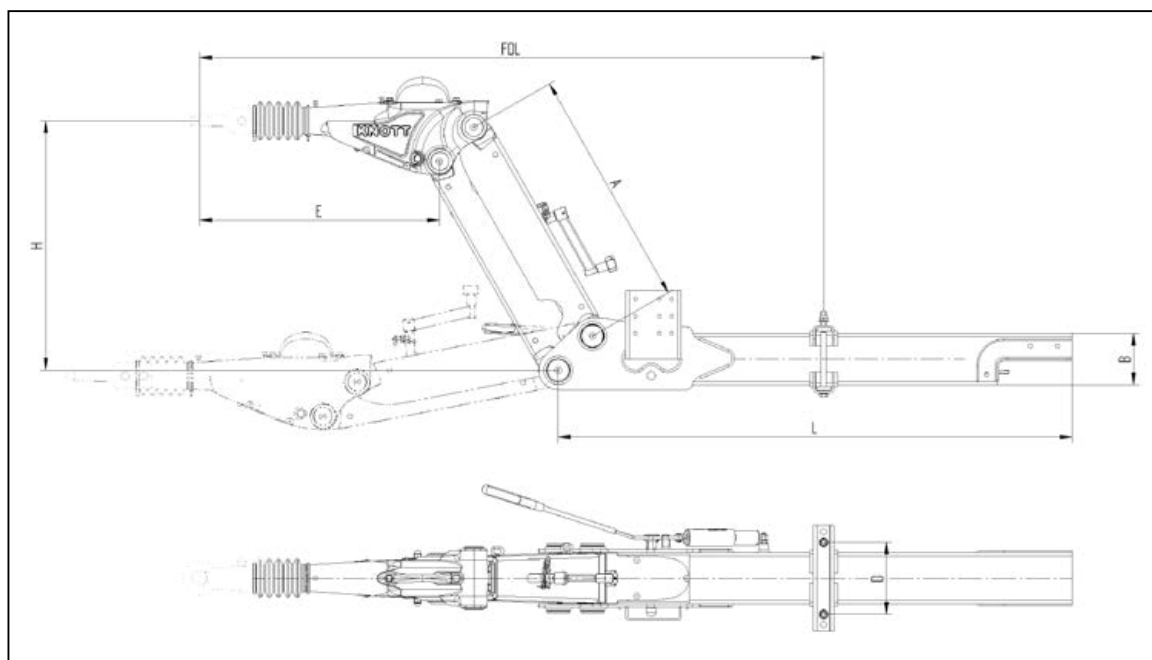
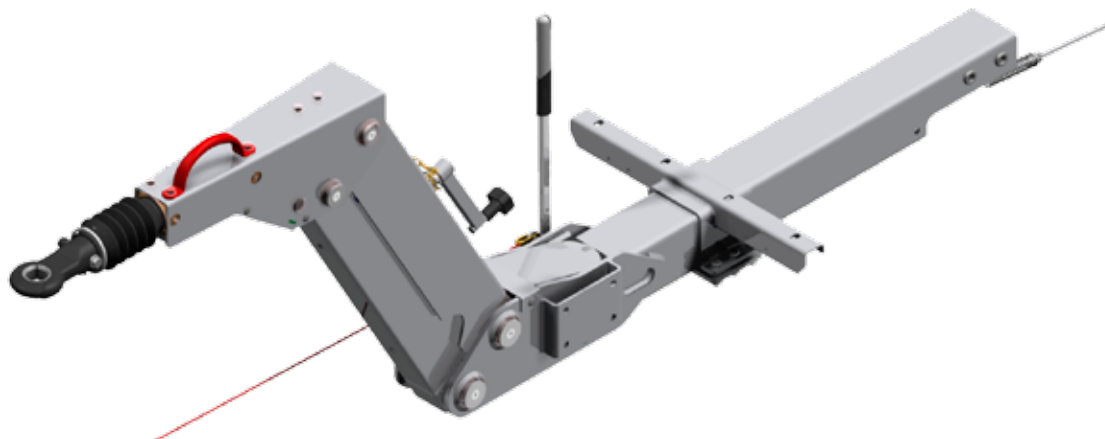
The overrun device can be ordered either with DIN or with NATO eye





ADJUSTABLE HEIGHT COUPLING

ADJUSTABLE HEIGHT COUPLING KHD

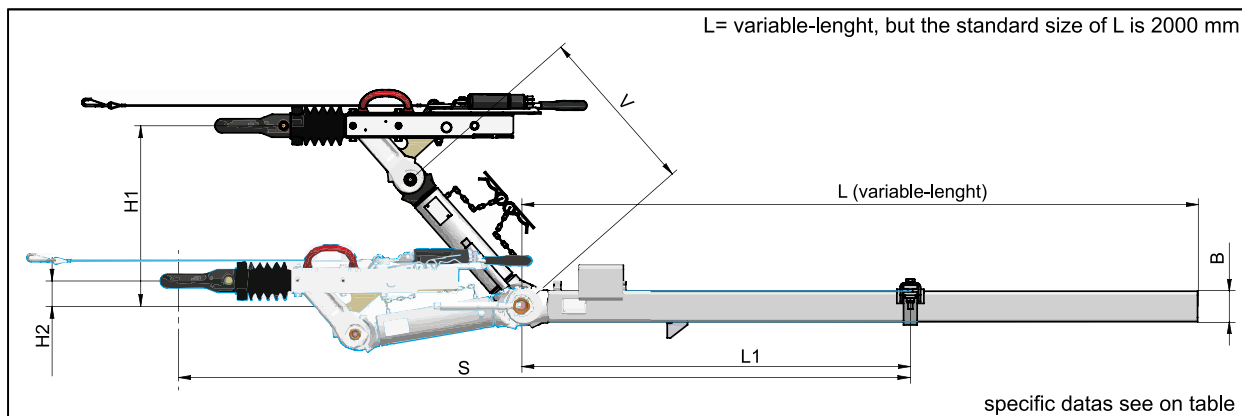


- Vert. load KHD9-15 : 100kg
 KHD20-35: 150 kg
- A (mm) KHD9: 500
 KHD15-35 : 700
- L: 2000 mm

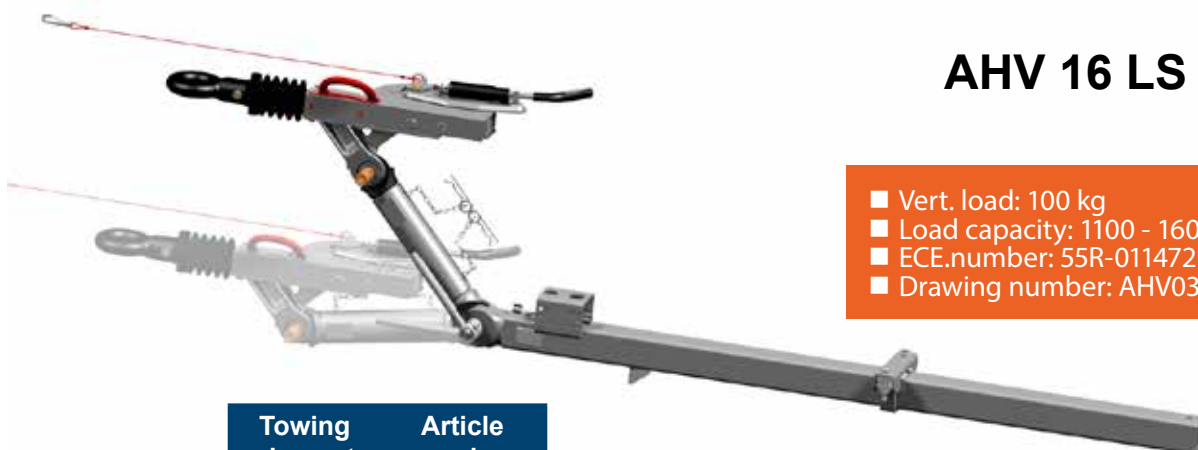
Type	GVWR (kg)	A (mm)	B (mm)	D (mm)	E (mm)	H (mm)	FDL (GA max.)	ECE number	Article number
KHD9	500-900	500	80x120x4	160	609	609	2500	55R-012090	708500.060
KHD15	800-1600	700	90x90x6,3	160	641	641	2075	55R-011623	707960.006
KHD20	1600-2000	700	120x120x4	180	641	641	2138	55R-012781	709600.006
KHD25	1600-2500	700	120x120x6	180	683	683	2583	55R-011690	709383G168
KHD25	1600-2500	700	120x120x6	180	683	683	2583	55R-011690	709383G169
KHD27	1600-2700	700	150x150x5	210	672	672	3550	55R-011549	706140.060
KHD27	1600-2700	700	150x150x5	210	672	672	3550	55R-011549	706140.132
KHD35	2500-3500	700	150x150x5	210	701	701	2511	55R-011548	706914.331
KHD35	2500-3500	700	150x150x5	210	701	701	2511	55R-011548	706914.367



ADJUSTABLE HEIGHT COUPLING AHV



Type	H1 (mm)	H2(mm)	S (mm) max.	V (mm)	L1 (mm) max.	B (mm)
AHV16 LS	535	75	2182	500	1150	90×90×6
AHV 20 S	535	73	2116	500	1125	100×100×8
AHV 25 LS	485	117	2316	400	1400	100×100×8
AHV 35 S	485	117	1840	400	925	90×160×6



AHV 16 LS

- Vert. load: 100 kg
- Load capacity: 1100 - 1600 kg
- ECE.number: 55R-011472
- Drawing number: AHV0375S

Towing element	Article number
K20BN3	6G5375S120
DIN45	6G5375S110
NATO45	6G5375S101

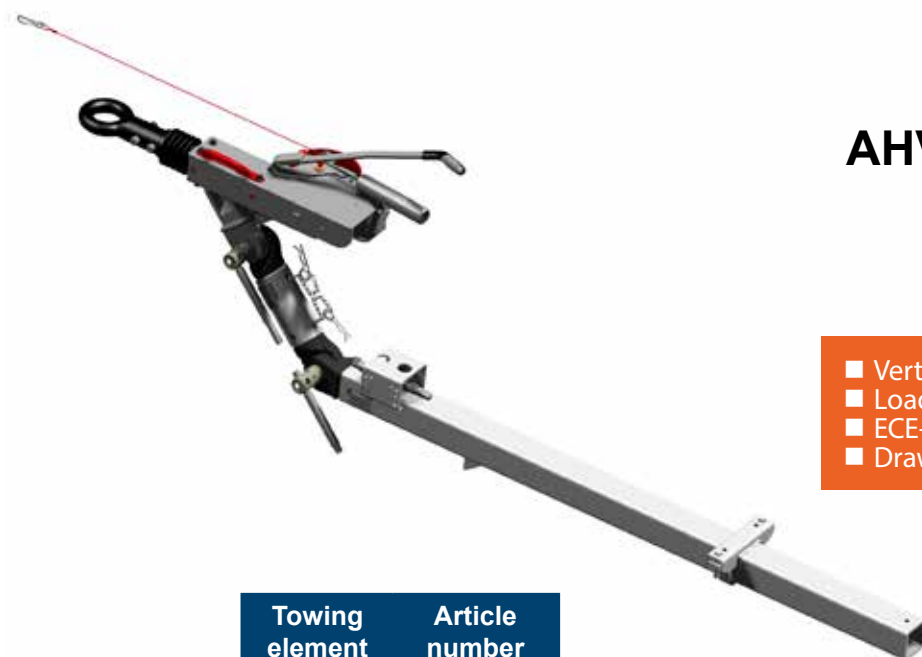


AHV 20 S

- Vert. load: 100 kg
- Load capacity: 1100 - 2000 kg
- ECE-number: 55R-011473
- Drawing number: AHV0200S

Towing element	Article number
K27BN3	6G5200S120
DIN45	6G5200S110
NATO45	6G5200S101

ADJUSTABLE HEIGHT COUPLING



AHV 25 LS

- Vert. load: 150 kg
- Load capacity: 2000-2500 kg
- ECE-number: 55R-011474
- Drawing number: AHV0372S

Towing element	Article number
K35CN3	6G5372S120
DIN60	6G5372S110
NATO60	6G5372S101



AHV 35 S

- Vert. load: 150 kg
- Load capacity: 2700-3500 kg
- ECE-number: 55R-011475
- Drawing number: AHV0027S

Towing element	Article number
K35CN3	6G5027S120
DIN60	6G5027S110
NATO60	6G5027S101