pewag

WORLD'S STRONGEST CHAIN

www.pewag.com

pewag choker chains and rope pulleys

Transport on ground course

Content

Forestry chains and components for safely pulling loads over the ground

Unique to pewag are the special choker profiles providing maximum grip and bearing surfaces for easy chain adaption without reduction of the tensile force during usage.

The hauling of timber requires a high degree of safety. For that purpose you can find our sophisticated and innovative products here.

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Technical changes and misprints are subject to alternation.

Welcome to the pewag group

We are an internationally operating group of companies. Our track record goes back to the year 1479.

Determination to innovate

pewag group's Mission Statement expresses the goals of our actions:

Driven by our determination to innovate, we at pewag manufacture the world's best chains today and in the future. The high quality of our products and services as well as the passionate commitment of our employees guarantee safety for moving people and goods. Our customers set the benchmark for our achievements.

Principles of pewag group

Brands
The values of our premium brands are demonstrated by our first class quality and innovations and are communicated consistently and coherently. We anticipate market demands and changes in the environment and adapt our strategies, organization and actions accordingly.

Due diligence
In all our processes we use due diligent business practices and efficiency and strive to improve these continuously. In the long run, high profits secure the future of the organization and the growth of the corporate group.

Technological leadership
We secure our technological leadership through highest product quality, constant improvements and innovations of products, as well as manufacturing processes. We commit ourselves to careful treatment of the environment by reducing the use of energy and raw materials, ensuring the longevity of our products and making them recyclable.

People within our group
We value open, honest and team-oriented work-style, which is based on transparent communication. The ideas, opinions and experience of our employees are valuable inputs for our decision making process. We strive for stable and fair partnerships with our customers, suppliers and other business partners. Social aspects are considered when making business decisions.

We are a modern group of companies which looks back to a tradition and experience of more than 500 years. Since our founding years, a lot has changed, but the values that made our success possible from the beginning remain.

pewag group – Innovation. Quality. Partnership.

History of the pewag group

Advantage through tradition

The history of pewag group goes back to the 15th century and therefore makes us the oldest chain manufacturer worldwide. With our experience we are ready for the future.

Timetable of important events

1479 First documented references of a forging plant in Brückl
1787 Foundation of a chain forgery in Kapfenberg
1803 Foundation of a chain forgery in Graz
1836 Establishment of an iron casting plant in Brückl
1912 Production of the First Snow Chain worldwide
1923 Merger of plants in Graz and Kapfenberg – Creation of the name "pewag"
1972 Foundation of a sales company in Germany
1975 Foundation of a sales company in the USA
1993 Foundation of pewag austria GmbH
1994 Foundation of the first subsidiary in Czech Repbulic
1999 Acquisition of the Weissenfels Group
2003 Separation from the Weissenfels Group
2005 Reorganization into 2 groups:
Schneeketten Beteiligungs AG Group – Snow Chains
pewag austria GmbH Group – Technical Chains
2009 Acquisition of Chaineries Limousines S.A.S.

Lithography forging plant Brückl 1855

Anchor chain forgery 1878

Chain forgers 1956

Quality management

Our ultimate goal is to achieve customer satisfaction

To reach this goal, the quality management of the pewag group is determined by the principle: "We supply our customers with high-quality products which fully meet technological standards and its usage requirements," this is summarized in the four following mandatory principles:

Market oriented quality
To maintain and improve its competitive position, the quality of products and services of the pewag group must meet both the specifications of our customers and the standards one can expect from the technological leader in the industry.

Economic quality
As a profit-oriented company the quality is also determined by the material used, labor costs and financial possibilities, i.e. also within the framework awarded by the customer.

Responsibility for Quality
Quality management is the task and obligation of executives at all levels. Every employee of the pewag group has to be integrated by management in the preparations, execution and evaluation of the quality management measures.

Every employee takes the responsibility for the quality of his work.

Process oriented quality assurance
The close interaction between sales, product development, production and customer service is regulated within the individual companies by fixed processes and activities, as well as responsibilities with the aim to reach and maintain the defined quality standards.

Business areas

Working with pewag products

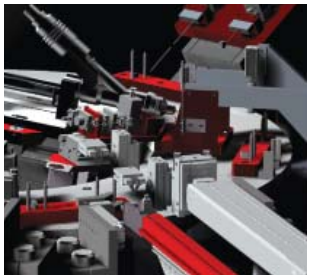
The pewag group has a substantial and diverse spectrum of products and services.

Our range of products varies from traction chains for tires (snow chains for passenger cars, trucks and special-purpose vehicles, tire protection chains for mining vehicles) over different industrial chains to products for the do-it-yourself sector (light chains, belts, etc.)

Segment A
Snow and forestry chains

Segment B
Hoist and conveyor chains

Segment C
Do-it-yourself



Segment D
Engineering

Segment F
Lifting and lashing chains and accessories

Segment G
Tire protection chains

Environment – we take responsibility

Ecological awareness in all areas

We continuously strive to keep the influence of our business on the environment as low as possible. Our production and warehousing is organized so that all legal requirements on environmental protection are fulfilled. Furthermore, we consider ecological aspects for our product development, processes and distribution channels and include these in our business planning.

Consequently, we are permanently striving for a continuous improvement and development of our established products to reach higher load capacities and safety for our customers with lighter weights and longer life spans.

Wherever we cannot avoid an environmental impact, we strive to reduce the use of energy, environmentally harmful emissions and keep the production of waste to a minimum. When investing in new machines we consider the technically most adequate and economically feasible state-of-the-art designs for their designated area of use.

Our environmental management is certified according to ISO 14001:2004. Regular internal audits assist to supervise compliance, test the effectiveness of our set standards and serve as a basis to determine improvement potentials.

Out of this long-lasting tradition we take responsibility for our products, employees, our sites and the environment very seriously.

We commit to comply with all environment-related regulations and continually improve our performance for the environment by defined goals. For that purpose we use modern production technologies. We enhance the ecological awareness of our employees by regular trainings.

We engage with our customers, neighbors and government agencies in an open communication and inform them about our environmental management wherever appropriate.

By providing advice, we want to inform our customers about the environmental aspects related to the use of our products – especially their long life spans. We are striving to motivate our customers and suppliers to consider environmental protection in their sphere of influence and use the same environmental standards as we do.

Customer proximity

International presence

After a changing history pewag has established itself today as one of the world's leading chain manufacturers with 22 sales locations and 6 production sites on two continents - Europe and North America.

pewag as an international corporate group is supported by a strong and professional partner network. This cooperation allows for optimized customer service and support.

Production and sales locations

Europe	
Austria	pewag austria GmbH, Graz pewag austria GmbH, Kapfenberg pewag Schneeketten GmbH & Co KG, Graz pewag Schneeketten GmbH & Co KG, Brückl pewag engineering, Kapfenberg AMW Grünberger Handelsgesellschaft mbH, Wien
Germany	pewag Deutschland GmbH, Unna pewag Schneeketten Deutschland GmbH, Unna
France	J3C S.A.S. pewag France, Seyssins Chaineries Limousines S.A.S., Bellac
Italy	pewag italia s.r.l., Andrian
Netherlands	pewag nederland B.V., Hillegom APEX International BV, Hillegom

Europe	
Poland	pewag polska Sp. z o.o., Buczkowice
Russia	OOO „pewag", Moscow
Sweden	pewag sweden AB, Emmaboda
Slovakia	pewag slovakia s.r.o., Kršk̆any
Czech Republic	Řetězárna Česká Třebová s.r.o., Česká Třebová pewag s.r.o, Vamberk
Ukraine	TOV „pewag Ukraine", Lviv

North America	
USA	pewag Inc., Bolingbrook, Illinois pewag Inc., Rocklin, California

pewag group presents
itself on the internet.
More ...

www.pewag-group.com
www.pewag.com

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Product overview

Information for pewag choker chains

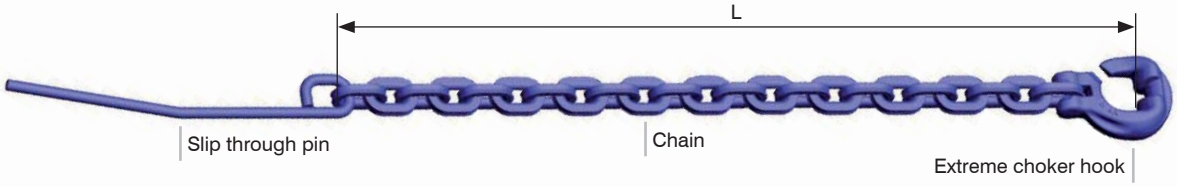
The safety in the usage is the result of quality-controlled manufacturing according to ISO 9001. All chains and components will be specially tested. Research results from the hoist-chain and conveyor-chain production currently give us optimized material- and heat treatment processes.

The special choker-profile of pewag chains guarantee best grip also after rough usage. Due to the highest material strength we can guarantee a maximum of tensile force with smaller and lighter G10 chains – and a reduction of weight of approx. 25% in comparison to commercially available G8 choker chains. The continuous building block system enables a easy assembling and repair without any specialty tool, also on site.

Please take note of the user manual in the annex!

Joker V 8 D – XF – 2500

Nominal diameter	Slip through pin	Extreme choker hook	Length [mm]



Sliding shoe GBGV 7/8
Connecting element between choker chain of dimension 7 respectively 8 and the rope winch.

GBGV 7/8

Sliding shoe	Nominal diameter (appropriate for chain with dimension 7 and 8)

GBGV: Please order separately in the appropriate dimension.

Joker V D-XF choker chain

Choker chain with extreme choker hook XF + slip through pin
Patented profile, highest tensile force, best wear-resistance. Highest grip traction thanks to joker profile with „resharpening edges“, contact-radii accurately adapted to the bending radii in the link rounding, and therefore small wear. The hardness test showed clear distinct „grip markings“ on the hardwood in comparison to the square chain.

Joker V D-XF choker chain	Code	Tensile force [1] [daN]	Dimension dn [mm]	Length [2] [mm]	Weight [kg/pc.]
	Joker V 7 D-XF 2000	4.500	7	2.000	3,20
	Joker V 7 D-XF 2500	4.500	7	2.500	3,90
	Joker V 8 D-XF 2000	6.000	8	2.000	3,90
	Joker V 8 D-XF 2500	6.000	8	2.500	4,70

[1] Thanks to the new extreme choker hook XF there is no decrease of the perm. tensile force necessary.
[2] Length without slip through pin.

Joker V D-KSRV choker chain

Choker chain G10 with clevis choker hook KSRV + slip through pin
Shortening possibility thanks to the sliding shoe GBV or GBG-V.
Allows easily passage of the chain underneath the trunks with the slip through pin D. The clevis choker hook KSRV makes it easy to form and open choker slings. High tensile tested chain.

Joker V D-KSRV choker chain	Code	Tensile force [1] [daN]	Tensile force [daN]	Dimension dn [mm]	Length [2] [mm]	Weight [kg/pc.]
	Joker V 6 D-KSRV 2000	3.250	2.600	6	2.000	2,20
	Joker V 6 D-KRSV 2500	3.250	2.600	6	2.500	2,60
	Joker V 7 D-KSRV 2000	4.500	3.600	7	2.000	3,00
	Joker V 7 D-KSRV 2500	4.500	3.600	7	2.500	3,70
	Joker V 8 D-KSRV 2000	6.000	4.800	8	2.000	3,70
	Joker V 8 D-KSRV 2500	6.000	4.800	8	2.500	4,50
	Joker V 10 D-KSRV 2500	8.500	6.800	10	2.500	6,90
	Joker V 10 D-KSRV 3000	8.500	6.800	10	3.000	8,10

[1] Application difficulties are not considered e.g. shear effect in the GB or KSR.
[2] Length without slip through pin.

Joker V KCOV-XF choker chain

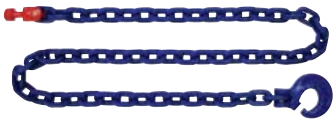
Choker chain G10 with sliding hook KCOV + extreme choker hook XF
The sliding hook can be hung into the rope winch easily without any assembly work. The extreme choker hook XF-hook makes it easy to form and open the choker slings. High tensile tested Joker V chain in grade 10. No shortening possible.

Joker V KCOV-XF choker chain	Code	Tensile force [1] [daN]	Dimension dn [mm]	Length [mm]	Weight [kg/pc.]
	Joker V 7 KCOV-XF 1500	4.500	7	1.500	2,80
	Joker V 7 KCOV-XF 2000	4.500	7	2.000	3,40
	Joker V 8 KCOV-XF 2000	6.000	8	2.000	4,10
	Joker V 8 KCOV-XF 2500	6.000	8	2.500	4,90

[1] Thanks to the new extreme choker hook XF there is no decrease of the perm. tensile force necessary.

Joker V KK-KSRV choker chain

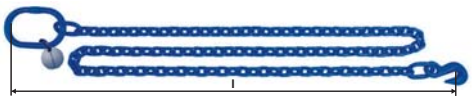
Choker chain G10 with head KK + clevis choker hook KSRV
Clevis swivel head KK for quick hanging into the rope gliding eye. The clevis choker hook KSRV makes it easy to form and open choker sling. High tensile tested Joker V chain in grade 10. No shortening possible.



Joker V KK-KSRV choker chain	Code	Tensile force [daN]	Dimension dn [mm]	Length [mm]	Weight [kg/pc.]
	Joker V 10 KK-KSRV 2000	6.800	10	2.000	5,40
	Joker V 10 KK-KSRV 2500	6.800	10	2.500	6,55

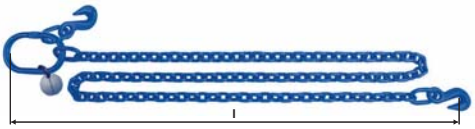
WINF IA-P multipurpose chain G10

High tensile tested chain, grade 10, with master link and grab hook for shortening of the chain and forming of slings, which shall not tighten up. May not be used for lifting!

WINF IA-P multipurpose chain G10	Code	Tensile force [daN]	Dimension dn [mm]	Length l [mm]	Weight [kg/pc.]
	WINF 7 IA-P 2500	3.800	7	2.500	3,50
	WINF 7 IA-P 4000	3.800	7	4.000	5,30
	WINF 8 IA-P 2500	5.000	8	2.500	4,70
	WINF 10 IA-P 5000	8.000	10	5.000	13,50

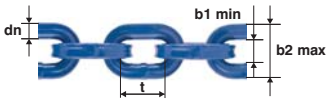
WINF IA-P-P multipurpose chain G10

High tensile tested chain, grade 10, with master link and grab hook for shortening of the chain and forming of slings, which shall not tighten up. May not be used for lifting!

WINF IA-P-P multipurpose chain G10	Code	Tensile force [daN]	Dimension dn [mm]	Length l [mm]	Weight [kg/pc.]
	WINF 7 IA-P-P 2500	3.800	7	2.500	3,90
	WINF 7 IA-P-P 4000	3.800	7	4.000	5,70
	WINF 8 IA-P-P 4000	5.000	8	4.000	7,40
	WINF 10 IA-P-P 5000	8.000	10	5.000	14,30

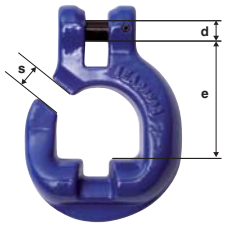
Joker V G10 profile steel chain

Patented profile, highest tensile force, best wear-resistance. Highest grip traction thanks to joker profile with „resharpening edges“. The hardness test showed clear distinct „grip markings“ on the hardwood in comparison to the square chain.

Joker V G10 profile steel chain	Code	Dimension dn [mm]	Standard length [m]	Length t [mm]	Inside width b1 min. [mm]	Outside width b2 max. [mm]	Tensile force [daN]	Breaking load [kN]	Weight [kg/m]
	Joker V 6	6	50	20	9	24	3.250	65	1,01
	Joker V 7	7	50	24	10	28	4.500	90	1,35
	Joker V 8	8	50	28	12	32	6.000	120	1,79
	Joker V 10	10	50	35	14	37	8.500	170	2,55

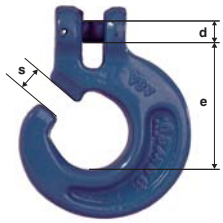
XF Extreme choker hook

Alternative for KSRV7 and KSRV 8. Thanks to a special design a decrease in the permissible tensile force is not necessary in case of choking.

XF Extreme choker hook	Code	Tensile force [daN]	d [mm]	e [mm]	s [mm]	Weight [kg/pc.]
	XF 7	4.500	9	55	10	0,60
	XF 8	6.000	10	55	10	0,60

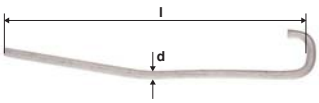
KSRV Clevis choker hook

Allows an easy hanging and taking out of the chain.
Designed to prevent the chain from slipping out.

KSRV Clevis choker hook	Code	Tensile force [daN]	d [mm]	e [mm]	s [mm]	Weight [kg/pc.]
	KSRV 5/6	3.250	7,4	43	8	0,22
	KSRV 7	4.500	9	58	10	0,32
	KSRV 8	6.000	10	59	10	0,38
	KSRV 10	8.500	12,5	81	12	0,76

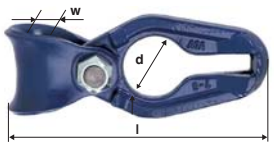
D Slip through pin

Allows easily passage of the chain underneath the trunks.

D Slip through pin	Code	d [mm]	l [mm]	Weight [kg/pc.]
	D 5/6	7	250	0,10
	D 7/10	9,5	220	0,15

GBGV Sliding shoe

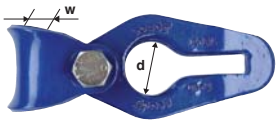
The hardness test showed under severe conditions that the pewag sliding shoe is no longer the weakest part in the chain. Thanks to its optimal design it ensures the chain protection. No reduction of the chain values compared to the normal sliding shoe. The chain can be hung on both sides – maximum safety for personal and equipment. Please tighten the nut only as far as the screw is still moveable.

GBGV Sliding shoe	Code	Tensile force [daN]	d [mm]	w [mm]	l [mm]	Weight [kg/pc.]
	GBGV 7/8	6.000	34	20	145	0,61
	GBGV 10	8.500	42	36	208	1,38

Please note the safety instructions in the annexe.

GBV Sliding shoe

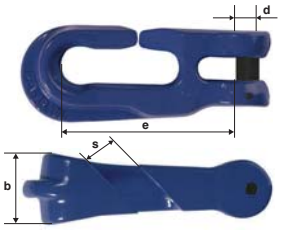
Sliding shoe – choker chains to be hung up only from the correct side into the plate – see safety instructions!
Please tighten the nut only as far as the screw is still moveable.

GBV Sliding shoe	Code	Max. tensile force [1] [daN]	d [mm]	w [mm]	α	Weight [kg/pc.]
	GBV 6	3.250	30	20	45°	0,40

[1] Please note the safety instructions in the annexe.

KCOV Sliding hook

Used as sliding hook on the rope winch. Due to its slot the rope can be hang up and demounted quickly. Easy accommodation of the equipment in the rope winch to the actual demand.

KCOV Sliding hook	Code	Tensile force [daN]	d [mm]	e [mm]	s [mm]	b [mm]	Weight [kg/pc.]
	KCOV 7	4.500	9,0	87,5	16,5	36,0	0,78
	KCOV 8	6.000	10,0	87,0	16,5	36,0	0,78
	KCOV 10	8.500	12,5	85,5	16,5	36,0	0,78

GOS Sliding lug for choker rope

Due to tempered cast steel, it has a high breaking force and wear resistance at a small weight.

GOS Sliding lug for choker rope	Code	Tensile force max. [daN]	Rope-ø max. [mm]	d [mm]	b [mm]	l [mm]	Weight [kg/pc.]
	GOS choker	6.000	14	28	15	91	0,48

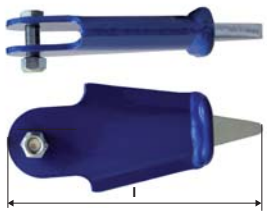
GBGK Sliding shoe for synthetic rope

For textile forestry ropes – optimized rounded contact-radii to preserve the rope. Completely assembled with restoring plate for choker chains diameter 7 and 8 mm.

GBGK sliding shoe for synthetic rope	Code	Tensile force [daN]	For chain	Rope-ø max. [mm]	Length [mm]	Weight [kg/pc.]
	GBGK 7/8	6.000	7 + 8	14	170	0,72

SEL 08 Rope end cap

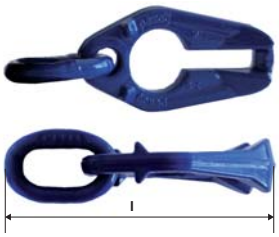
For high-performance rope winches, universally thanks to a pin access. Accurate shortening ear to be ordered separately. Please take note of the safety instructions. Please tighten the nut only as far as the screw is still moveable.

SEL 08 Rope end cap	Code	Tensile force [1] [daN]	Rope-ø [mm]	Length l [mm]	Weight [kg/pc.]
	SEL 08	6.000	8–12	165	1,10

[1] In case of ground course. Please note the safety instructions in the annexe.

Shortening plate to SEL 08

With a special masterlink for the pin access to SEL 08. Can be hung on both sides of the chain in compliance with the tensile force!

Shortening plate to SEL 08	Code	Tensile force [1] [daN]	for chain	Length l [mm]	Weight [kg/pc.]
	Shortening plate to SEL 08	6.000	7 + 8	135	0,40

[1] Please note the safety instructions in the annexe.
Maximum tensile force: 6000 daN depending on dimension and grade of the chain.

Replacement-cotter to SEL 08

Original replacement-part can be used also for former rope end caps SER.

Replacement-cotter to SEL 08	Code	Tensile force [daN]	Length l [mm]	Weight [kg/pc.]
	Replacement-cotter to SEL 08	-	100	0,20

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pewag choker chains in G8

Product overview

VKF D-KSR Choker chain

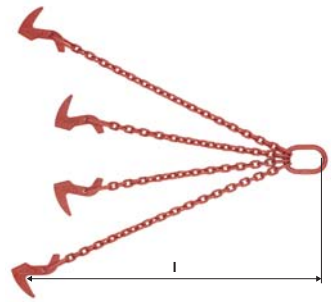
High-tensile tested Chain VKF in grade 8. The clevis choker hook KSR makes it easy to form and open choker slings. Allows easily passage of the chain underneath the trunks with the slip through pin D. Shortening possibility thanks to the sliding shoe GB.

VKF D-KSR Choker chain	Code	Tensile force [1] [daN]	Tensile force [daN]	Dimension dn [mm]	Length [2] [mm]	Weight [kg/pc.]
	VKF 7 D-KSR 1500	3.250	2.600	7	1.500	2,30
	VKF 7 D-KSR 2000	3.250	2.600	7	2.000	2,90
	VKF 7 D-KSR 2500	3.250	2.600	7	2.500	3,50
	VKF 8 D-KSR 2000	4.500	3.600	8	2.000	3,80
	VKF 8 D-KSR 2500	4.500	3.600	8	2.500	4,60

[1] Application difficulties are not considerd e.g. shear effect in the GB or KSR.
[2] Length without slip trough pin.

BSK Log trailing chain

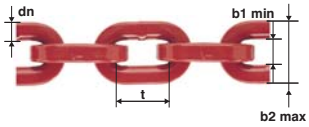
High tensile tested, grade 8 chain with forged steel hooks. Available with 4 legs and 6 legs. The hooks with links are also available separately.



BSK Log trailing chain	Code	Tensile force [daN]	Dimension dn [mm]	Length l [mm]	Weight [kg/pc.]
	BSK 8 - 4 legs	4.000	8	1.000	6,40
	BSK 8 - 6 legs	4.000	8	1.200	10,50

VKF G8 Square section chain

Particularly better grip than the round steel chain. Proven over many years.

VKF G8 Square section chain	Code	Dimension dn [mm]	Standard length [m]	Pitch t [mm]	Inside width b1 min. [mm]	Outside width b2 max. [mm]	Tensile force [daN]	Breaking load [kN]	Weight [kg/m]
	VKF 7	7	50	24	10	26	3.250	65	1,23
	VKF 8	8	50	28	11	29	4.500	90	1,66

GB Sliding shoe

Easy assembling on the pull rope. VKF chain can only be hung up from the correct side into the sliding shoe – see safety instructions! Please tighten the nut only as far as the screw is still moveable.

GB Sliding shoe	Code	Tensile force max. [1] [daN]	w [mm]	α	Weight [kg/pc.]
	GB 5/6*	2.240	20	80°	0,40
	GB 7/8 GL	4.500	20	45°	0,65

[1] Please note the safety instructions in the annexe.
* Discontinued model

GBD Sliding shoe swiveable

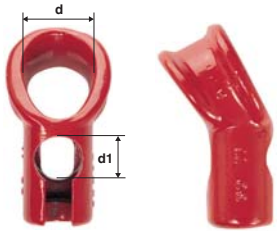
The swivel avoids the jolleying of the chain rope.
choker chains to be hung up only from the correct side into the plate – see safety instructions!

GBD Sliding shoe swiveable	Code	Tensile force max. [1] [daN]	for chain	w [mm]	α	Weight [kg/pc.]
	GBD 7/8	4.500	7 + 8	20	45°	0,70

[1] Please note the safety instructions in the annexe.

GO Sliding lug

Made of tempered cast steel with a big and wide eye part – rope protective. With access for the clevis swivel head KK. Can also be used for slings with compressed clips.

GO Sliding lug	Code	Tensile force max. [daN]	d [mm]	d1 [mm]	Weight [kg/pc.]
	GO 10	7.000	30	30	0,73

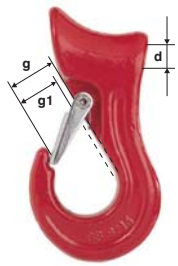
KK Clevis swivel head

Connecting part of the chain with the rope gliding eye GO.
Only swiveable in the sliding lug without any load.

KK Clevis swivel head	Code	Tensile force max. [daN]	d [mm]	d_1 [mm]	Weight [kg/pc.]
	KK 10	7.000	13	27	0,32

SGS Sliding hook

For the assembly on pull ropes and for hanging up trailing chains and rope slings. Type SG without safety latch is available subject to demand.

SGS Sliding hook	Code	Tensile force [daN]	Rope-ø max. [mm]	d [mm]	g [mm]	g1 min. [mm]	Weight [kg/pc.]
	SGS 13	3.000	13	16	25	17	0,69
	SGS 16	5.000	16	22	26	17	0,97

Economical and approved for decades – pewag choker chains and components in G8.
For higher demand, we recommend our innovative G10 choker chains programme.

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Rope pulleys

Product overview

SRL Rope pulley open

Deflection pulley for winch rope for trailing and choking in tight woods. Steel roller with ball bearings, electrogalvanized. With connecting element for tree protection device. The rope can be inserted directly.

SRL Rope pulley open	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SLR 10	2.500	1.250	100	10	3,18
	SRL 14	5.000	2.500	140	14	5,80
	SRL 16	10.000	5.000	160	16	7,85

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SRLK Rope pulley with side opening plate

Roller made of steel, electrogalvanized with ball bearings and plastic coated side plates. Simple insertion of the rope thanks to flap mechanism.

SRLK Rope pulley with side opening plate	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRL-K 14	4.000	2.000	144	10 [3]	5,40
	SRL-K 18	6.400	3.200	176	12 [4]	8,90
	SRL-K 16	8.000	4.000	157	12	7,60
	SRL-K 22	10.000	5.000	220	16	13

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.
[3] Also available for rope 12 mm on demand.
[4] Also available for rope 16 mm on demand.

SRLF Rope pulley with rigid side plates

Roller made of steel, electrogalvanized, with ball bearing and plastic-coated side plates. With captive screw plug.

SRLF Rope pulley with rigid side plates	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRLF 9	2.000	1.000	90	10	1,80
	SRLF 13	4.000	2.000	130	14	3,70
	SRLF 16	16.000	8.000	159	14	6,40
	SRLF 24	24.000	12.000	240	16	19,00

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SRL-GBGV Rope pulley with sliding shoe

Can be assembled on the winch instead of the first sliding shoe. Facilitates simple and fast switching e.g. thinning out of the wood.

SRL-GBGV Rope pulley with sliding shoe	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRL-GBGV 7/8	6.000	3.000	49	10	1,24

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SRLB Rope pulley with movable side plates

Roller made of steel, electrogalvanized with ball bearing.
Side plates with plastic coated eyelets. Rope assembly by twisting the side plates.

SRLB Rope pulley with movable side plates	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRLB 10/11	3.000	1.500	105	11	1,90
	SRLB 10/15	3.000	1.500	105	15	1,90
	SRLB 14	5.000	2.500	140	14	4,30
	SRLB 16	10.000	5.000	160	16	7,00

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SRLA Rope pulley for autmatical removal

Appropriate for persons working alone. Automatical change of direction when pulling. The rope falls out of the pulley by hitting the sliding shoe.

SRLA Rope pulley for autmatical removal	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRLA 10	5.000	2.500	100	12	5,80

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SRLKG Rope pulley with side opening plate

Casing made of cast aluminium. Roller made of hardened steel.
Simple insertion of the rope thanks to flap mechanism – easy closure.

SRLKG Rope pulley with side opening plate	Code	Perm. tension force [1] [daN]	Winch tensile force max. [2] [mm]	Rulley-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SRLKG 8	2.000	1.000	80	8	1,00
	SRLKG 14	4.000	2.000	130	14	2,80

[1] In case of ground course. Please note the safety instructions in the annexe.
[2] In case of 180° deflection: Please note the safety instructions in the annexe.

SG Rope glider with roller

Pressed steel and case-hardened, electrogalvanized.

SG Rope glider with roller	Code	Perm. tension force [1] [daN]	Inside-ø [mm]	Rope-ø max. [mm]	Weight [kg/pc.]
	SG	2.000	90	14	1,80

[1] In case of ground course. Please note the safety instructions in the annexe.

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User manual

for choker chains and rope pulleys

User manual

User information for the usage, storage, testing and maintenance of pewag choker chains and forestry accessories.

General

pewag choker chains and forestry accessories can be used in a wide range of forestry. In the case of normal use they offer a high degree of security and a long life span. Property and personal injuries can be avoided only by normal use. Reading and understanding of our user information is a requirement for the use of choker chains, but on the other hand it does not exclude responsible and foresighted acting with all trailing procedures.

Changing of the original state of the delivery

The original state may not be changed e.g. through bending, sharpening, separating of parts, welding, fitting of boreholes, marking etc. Exception: Slip through pin D. Do not remove safety-related parts such as bolting devices, safety lock pins or safety latches etc. Surface covers such as a hot-dip galvanizing and electronic galvanization may not be fitted to pewag choker chains and accessories. Leaching and/or etching are likewise dangerous processes and must be agreed with pewag.
If necessary, please get in contact with our technical service department.

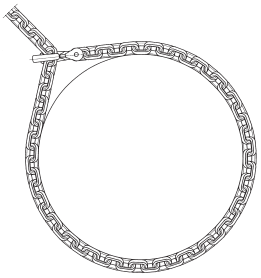
Assembly of choker chains

pewag choker chains and accessories may only be assembled by a competent person with accessories and chains of our pewag forestry programme. In case of assembling, please only use the original provided parts (bolts, safety lock pins etc). pewag is offering the choker chains in grade 8 and grade 10, which differ in the colour: red = grade 8; blue = grade 10. The combination of chains and accessories of different grades and/or other manufacturers is only conditionally possible and must be checked, accomplished and accounted for in each individual case by a competent person. pewag is not liable for damage, which develops from such combinations. In each case, it is to be made certain that the applied tensile force is adapted to the weakest part in the choker chain.
Please tighten the nut of the sliding shoes only as far as the screw is still moveable.

Restrictions in the usage cause of enviromental influences and/ or endangering conditions

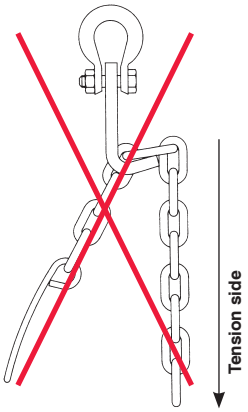
Do not exceed the maximum tensile force of the chain, also not if trunks accumulate on an obstacle (stones, rootstock etc.) or if the winch rope is stronger than the tensile force of the chain. Attention: It is valid for safety factor 2 against break! That means that an overload can immediately lead to a break.

The choke hitch (common with choke applications) reduces the maximum tensile force of the chain by 20%. Exception: Extreme choker hook XF.

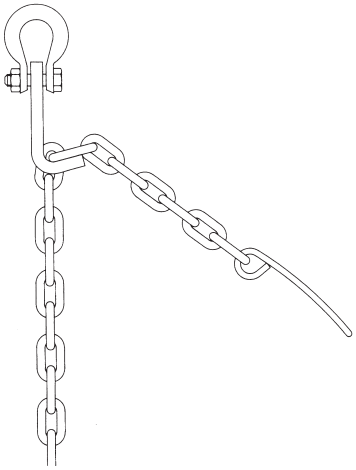


Sliding shoes can reduce the maximum tensile force.

Incorrect!
Mounted chain



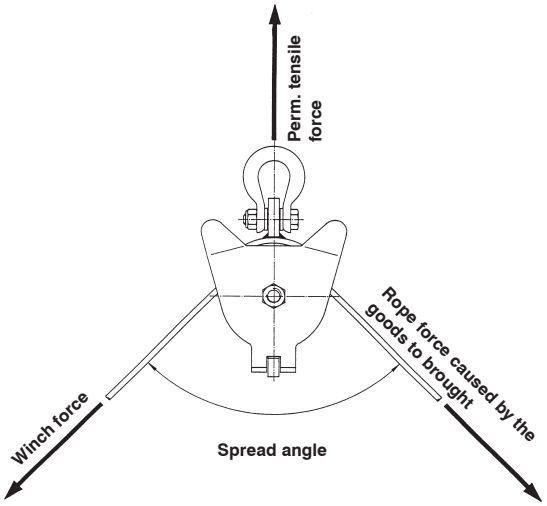
Correct!
Mounted chain



	Reduction of permissible tensile force correctly mounted chain	Reduction of permissible tensile force incorrectly mounted chain
45° angle	75%	60%
80° angle	75%	60%
GBGV	100%	not possible

The spread angle of the deflected rope has a decisive influence on the load of the deflection pulley, which results in the following permissible force of the winch:

Spread angle		Winch force
	0°	0,50 x perm. tensile force
	90°	0,70 x perm. tensile force
	120°	1,00 x perm. tensile force



The rope stores much energy during tensile load. With overloading and break the rope can shoot up in the air and can injure persons. Therefore please do not stay in the hazard area!

Choose sufficient strongly dimensioned choker chains. The indicated values in this catalogue are valid only for horizontal tension. Do not use choker chains and components for lifting.

Influences by temperature
pewag choker chains can be used without temperature-dependant reudction of the max. permissible tensile force within a range of - 30°C to +100°C. We ask for consultation in case of applications outside of this range.

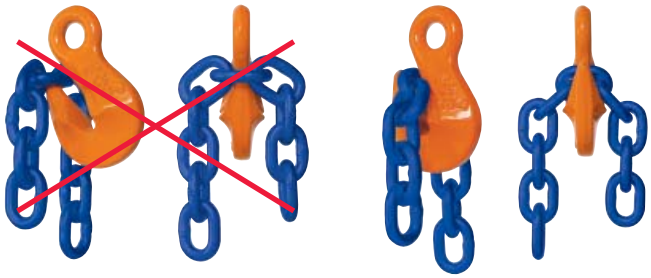
Influences by edges
The maximum permissible tensile force of pewag choker chain has been determined on the base, that the load of the chain takes place in a straight tension, i.e. they are not led around edges. If chains are led around edges without the necessary protection, the maximum tensile force is reduced. See enclosed table.

Edge load	R = bigger than the 2x chain-ø	R = bigger than chain-ø	R = chain-ø or smaller
Load factor	1	0,7	0,5

Influences by acids, leaches and chemicals
Use pewag choker chains and accessories neither in acids/caustic solutions nor suspend them to their steams.
Attention: Certain production procedures set acids and/or steams free.

Endangering conditions
The classification of the max. permissible tensile force in this catalogue assumes no particularly endangering conditions are present. These are e.g. very steep and pathless areas, proximity to buildings and roads etc. In this case, you have to choose a higher safety i.e. to use stronger chains and accessories.
Important information: Do not load the hook point!

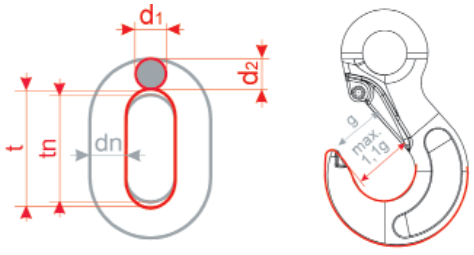
Incorrect! **Correct!**



Tests
In front of the first handling of a choker chain and/or accessory it should be guaranteed that:
- The choker chain and/or the accessory exactly corresponds to the order (marking).
- All safety-related parts such as bolting devices, safety lock pins, safety latches etc. are present.
- This manual is present and was read and understood by the personnel.

Check chains visually before using them for obvious damage or manifestations of wear. In each case of doubt/and or when damages are present or unusual events (e.g. strong shock loading), take the chains out of operation. Abrasion and damages can considerably reduce the permissible tensile force.

Elimination criteria for the visual inspection
- Break of a part.
- Elongation of the chain. The chain has to be eliminated, if **$t > 1{,}05\ t_n$.**
- Abrasion. It is calculated from the average vlaue of two right-angled to each other accomplished measurements of the diameters d1 and d2 (see picture).
  The chain has to be eliminated, if
  $dm = \frac{d_1 + d_2}{2} \leq 0{,}9\ dn.$
- In case of wear of the edges, the chain has to be withdrawn, if **$d < dn.$**



- Cuts, notches, grooves, incipient cracks, excessive corrosion and/or wear, discoloration due to warmth, signs of additional welding, bent or rotated links or other failures.
- Cracks: Chains transversal cracks, which are reognizable with the naked eye, are to be separated.
- Missing and/or function-unfit protections as well as signs of an expansion of hooks i.e. noticeable enlargement of the muzzle opening or other indications of a deformation. The enlargement of the muzzle opening may not exceed 10% of the nominal value.

Elimination criteria:

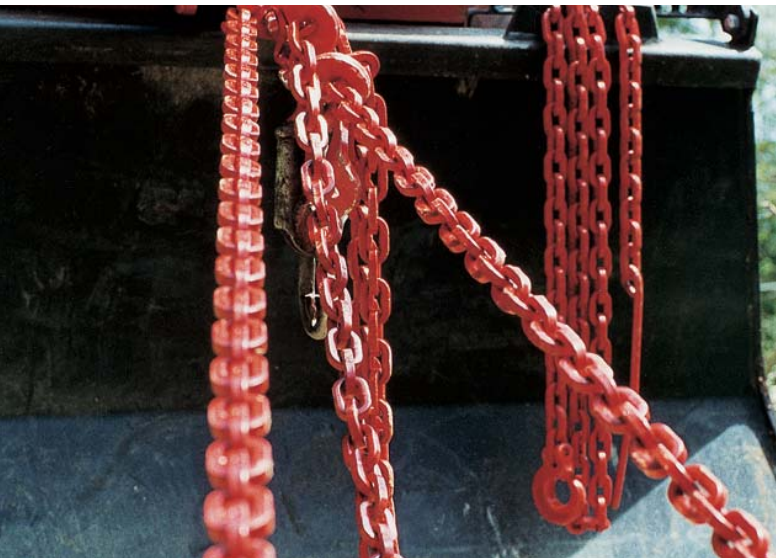
Nomination	Measure	Max. permissible change
Chain	dn	-10%
	tn	+5%
Choker pin	d	-10%
Hook*	e	+5%
	g, g1, s	+10%
Sliding shoe GB, GBV	Change of angle	>5%
Sliding shoe GBGV	Change of angle	>5%
Rope end cap SEL	Diameter of bore hole	+10%
Rope pulley	Parallelism of the side plates to the roller	Not visible

* XF, KSR-V, KCO-V, SGS, Swivel hook fitted in wire rope pulleys.

Maintenance
The maintenance of pewag choker chains may take place only by a competent person.

Stocking
pewag choker chains should be stored cleaned, dried and protected from corrosion e.g. easily oiled.

pewag choker chains and rope pulleys
in use.



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