





Polyester Lifting and Lashing Products

Web and Round SlingsRatchet Straps

B. B. B. B. B. B. B.

son

3.1 Web & Round Slings

Large

sizes are vailable on

request

WILL 3000



pewag Round slings RS



				Working I	oad limit tab	le (kg) acco	rding to the type	e of sling:	
		Endless sling	Choke hitch				Asymmetrie		Weight per
Туре	Colour coding		Ø	\bigcup	45'			Stock length / effective working length [m]	circumferential length approx. [kg/m]
		100%	80%	200%	140%	100%	100%		
RS 1	purple	1,000	800	2,000	1,400	1,000	1,000	0.50/1/1.50/2/2.50/3/4/5/6	0.14
RS 2	green	2,000	1,600	4,000	2,800	2,000	2,000	0.50/1/1.50/2/2.50/3/4/5/6	0.23
RS 3		3,000	2,400	6,000	4,200	3,000	3,000	1/1.50/2/2.50/3/4/5/6	0.31
RS 4	grey	4,000	3,200	8,000	5,600	4,000	4,000	1/1.50/2/2.50/3/4/5/6	0.41
RS 6	brown	6,000	4,800	12,000	8,400	6,000	6,000	1/1.50/2/2.50/3/4/5/6	0.60
RS 8	blue	8,000	6,400	16,000	11,200	8,000	8,000	1/1.50/2/2.50/3/4/5/6/8/10	0.75
RS 10	orange	10,000	8,000	20,000	14,000	10,000	10,000	2/3/4/5/6	0.95
RS 12	orange	12,000	9,600	24,000	16,800	12,000	12,000	available in all effective working lengths up to 15m	1.32
RS 15	orange	15,000	12,000	30,000	21,000	15,000	15,000	available in all effective working lengths up to 15m	1.50
RS 20	orange	20,000	16,000	40,000	28,000	20,000	20,000	available in all effective working lengths up to 15m	2.00
RS 25	orange	25,000	20,000	50,000	35,000	25,000	25,000	available in all effective working lengths up to 15m	2.68

Order example: Polyester round sling type RS 1 with an effective working length (L1) of 3,000 mm (circumferential length = 6,000 mm), according to EN 1492-2, working load limit in endless slings 1,000 kg. Order text: Round sling RS 1 x 3,000

pewag Round slings RS PRO

- With robust protective sleeve
- Significantly longer lifespan thanks to optimised wear and abrasion resistance
- Load capacity is woven into the material

			Working load li	mit table (kg) ac	cording to the ty	pe of sling:		
		Endless sling	Choke hitch				Asymmetrie	
Туре	Colour coding		Ø		45	80 °		Weight per circumferential length approx. [kg/m]
		100%	80%	200%	140%	100%	100%	
RS PRO 1	purple	1,000	800	2,000	1,400	1,000	1,000	0.16
RS PRO 2	green	2,000	1,600	4,000	2,800	2,000	2,000	0.25
RS PRO 3	yellow	3,000	2,400	6,000	4,200	3,000	3,000	0.24
RS PRO 4	grey	4,000	3,200	8,000	5,600	4,000	4,000	0.45
RS PRO 6	brown	6,000	4,800	12,000	8,400	6,000	6,000	0.66
RS PRO 8	blue	8,000	6,400	16,000	11,200	8,000	8,000	0.88
RS PRO 10	orange	10,000	8,000	20,000	14,000	10,000	10,000	1.20
RS PRO 12	orange	12,000	9,600	24,000	16,800	12,000	12,000	1.40
RS PRO 15	orange	15,000	12,000	30,000	21,000	15,000	15,000	1.74

Order example: Polyester round sling type RS PRO 1 with an effective working length (L1) of 3,000 mm (circumferential length = 6,000 mm), according to EN 1492-2, working load limit in endless slings 1,000 kg. Order text: Round sling RS PRO 1 x 3,000

pewag Webbing sling type B2 EN 1492-1

With reinforced eyes

		Working load limit t	able (kg) according	to the type of sling:		
					45 °	60 °
Webbing width	Colour coding	S			2	<u> </u>
		100%	80%	200%	140%	100%
30	purple	1,000	800	2,000	1,400	1,000
60	green	2,000	1,600	4,000	2,800	2,000
90		3,000	2,400	6,000	4,200	3,000
120	grey	4,000	3,200	8,000	5,600	4,000
150	red	5,000	4,000	10,000	7,000	5,000
180	brown	6,000	4,800	12,000	8,400	6,000
240	blue	8,000	6,400	16,000	11,200	8,000

pewag Webbing sling type A2

		Working load limit t	able (kg) according	to the type of sling:		
					45 °	60°
Webbing width	Colour coding		S		45	80°
		100%	80%	200%	140%	100%
30	purple	1,000	800	2,000	1,400	1,000
60	green	2,000	1,600	4,000	2,800	2,000
90		3,000	2,400	6,000	4,200	3,000
120	grey	4,000	3,200	8,000	5,600	4,000
150	red	5,000	4,000	10,000	7,000	5,000
180	brown	6,000	4,800	12,000	8,400	6,000
240	blue	8,000	6,400	16,000	11,200	8,000



PROLIFT

pewag Webbing sling type B2 4-layer

- Webbing slings for use with heavy loads
- Double the load capacity of 2-layer webbing slings of the same width

		Working load limit t	able (kg) according	to the type of sling:		
					45°	60°
Webbing width	Colour coding	S			$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	
		100%	80%	200%	140%	100%
30	green	2,000	1,600	4,000	2,800	2,000
60	grey	4,000	3,200	8,000	5,600	4,000
90	brown	6,000	4,800	12,000	8,400	6,000
120	blue	8,000	6,400	16,000	11,200	8,000
150	orange	10,000	8,000	20,000	14,000	10,000
180	orange	12,000	9,600	24,000	16,800	12,000
240	orange	16,000	12,800	32,000	22,400	16,000
300	orange	20,000	16,000	40,000	28,000	20,000

Order example: Webbing sling according to EN1492-1 type B2, four-layer webbing slings with reinforced eyes, webbing width 30 mm, effective working length L1 = 4,000 mm, made from polyester PES, working load limit for straight and direct lifting 2,000 kg Order text: Webbing sling B2 4-layer 30 x 4,000 / 2,000





5-fold Single-use lifting sling

- For lifting operations as part of the once-only transportation of goods
- a 5-fold safety factor according to DIN 60005 (orange label),
- a 7-fold safety factor based on EN 1492-1 (blue label)

		Working load limit t	able (kg) according	to the type of sling:		
					45°	60°
Standard Design	Length [m]	$\left[\right]$	S	U		60°
		100%	80%	200%	140%	100%
		according	EN 1492-1 (Savety f	actor 7:1)		
Type A 48 x 2000 / 500	2.00	500	400	1,000	700	500
Type A 50 x 500 / 500	0.50	500	400	1,000	700	500
Type A 50 x 500 / 1000	0.50	1,000	800	2,000	1,400	1,000
Type A 50 x 800 / 1000	0.80	1,000	800	2,000	1,400	1,000
Type A 50 x 1000 / 1000	1.00	1,000	800	2,000	1,400	1,000

7-fold Single-use lifting sling

		Working load limit t	able (kg) according	to the type of sling:		
				45°	60°	
Standard Design	Length [m]		S			
		100%	100% 80% 200		140%	100%
		according	DIN 60005 (Savety f	actor 5:1)		
Type A 48 x 500 / 750	0.50	750	600	1,500	1,050	750
Type A 48 x 700 / 750	0.70	750	600	1,500	1,050	750
Type A 50 x 800 / 2500	0.80	2,500	2,000	5,000	3,500	2,500
Type A 50 x 1000 / 2500	1.00	2,500	2,000	5,000	3,500	2,500
Type A 50 x 1300 / 2500	1.30	2,500	2,000	5,000	3,500	2,500

Ideal for one-way transport operations from manufacturer to final consumer. Single-use lifting slings must not be reused and should be destroyed at the end of the transport chain. In this respect, they differ from lifting slings that comply with EN 1492-1 and that may be reused for transport and lifting operations.



Classic areas of application:

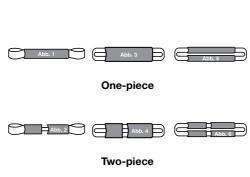
- Prefab-house industry and suppliers
- Timber construction
- Transport of overlong goods, e.g. tubes
- Steel distribution

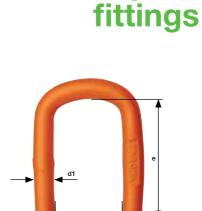


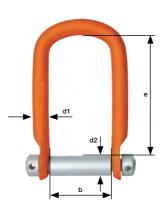
pewag AS Gummed protective sleeve

- Gummed, ideal for rough surfaces
- For sharp edges, we recommend to use an edge protector or a edge wear pad GS
- The standard design is not sewed on the sling, so the sleeve can be moved along the sling. On request also available sewed on the material of the sling

Protective sleeve	Webbing slings B2 / Cr2 mit EZD fig. 1 + 2	Webbing slings A2 fig. 5 + 6	Round slings fig. 3 + 4	Round slings Webbing slings A fig. 5 + 6	
AS 38	30 mm	30 mm	1 t	1 t / 2 t	\mathbb{C}
AS 52	60 mm	60 mm	2 t / 3 t	3 t / 4 t	
AS 65	-	-	4 t / 6 t	6 t / 8 t	
AS 75	90 mm	90 mm	8 t	-	
AS 102	120 mm	120 mm	10 t / 12 t	10 t / 12 t	0
AS 110	150 mm	150 mm	15 t / 20 t	12 t / 20 t	
AS 125	180 mm	180 mm	25 t	25 t	







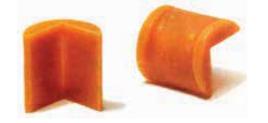
pewag GS Edge wear pad

- Three-layer, therefore very effective
- Made of Polyester PES
- Length 500 mm, special lengths and special widths available on upon request

Туре	Webbing slings	Round slings
GS 50	30 mm	-
GS 90	60 mm	1 t
GS 120	90 mm	2 t / 3 t
GS 150	120 mm	4 t / 6 t
GS 180	150 mm	8 t
GS 240	180 mm	10 t

Edge corners made from polyurethane (PU)

- For webbing slings and round slings
- Available with or without magnet
- Different designs and delivery time upon request





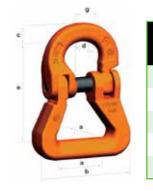


Additional protective sleeve for the load capacity/lashing capacity label is available upon request. If required, the protective sleeve for the label may also be stitched onto the webbing. As lashing straps and webbing slings without labels must be decommissioned, protective sleeves for

the label may significantly extend the lifespan of textile



pewag CARW Round sling connecting link



CARW 10 CARW 13 CARW 16 CARW 22

Code

CARW 8



pewag ED and EZD High strength

- Made from age-resistant, high-strength material; may be sent back for inspections and reuse to pewag
- Easy assembly and disassembly of the demountable fitting EZD, low wear of end fittings thanks to rotatable steel bolt
- Powder coating for protection against corrosion
- Can also be used in a choke hitch

Туре	Suitable for sling width	e [mm]	b [mm]	d ₁ [mm]	WLL [kg]	Weight [kg/pc.]
ED 40	30	80	40	13	1,000	0.30
ED 75	60	125	75	16	2,500	0.70
ED 105	90	165	105	20	3,000	1.50
ED 135	120	210	135	23	4,000	2.50
ED 165	150	245	165	26	5,000	3.80
ED 195	180	300	195	30	6,000	6.10
ED 265	240	395	265	36	8,000	11.70

Туре	Suitable for sling width	e [mm]	b [mm]	d ₁ [mm]	d ₂ [mm]	WLL [kg]	Weight [kg/pc.]
EZD 60	60	110	60	16	20	2,000	0.70
EZD 100	90	165	100	23	25	3,000	2.00
EZD 120	120	185	120	23	25	4,000	2.50
EZD 150	150	235	150	23	35	5,000	3.20

- For easy assembly of multi-leg webbing slings/ round slings
- Thanks to wide surface suitable for round slings/ webbing slings, no need of reducing the working load limit
- Supplied with Connex halves, bolt and safety bush

for Webbing sling / Round sling	Working load limit [kg]	a [mm]	e [mm]	c [mm]	d [mm]	b [mm]	s [mm]	g [mm]	Weight [kg/pc.]
30/60 // 1 / 2	2,500	29	66	12	10	65	18	18	0.40
90/120 // 3 / 4	4,000	40	81	15	13	82	21	24	0.55
150 // 6	6,700	50	104	20	17	100	28	28	1.20
180 // 8	10,000	47	113	21	21	110	40	33	2.00
240 // 10 / 12 / 15	19,000	109	178	29	27	215	59	48	6.50

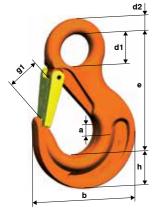


pewag HSW Eye sling hook

For pewag connex system.

104

- To be connected by means of webbing-/ roundsling connector CARW.
- All hooks with forged safety catch



Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g1 [mm]	b [mm]	Weight [kg/pc.]
HSW 5/6	1,400	85	21	17	20	10	19	68	0.30
HSW 7/8	2,500	106	27	19	25	11	26	88	0.50
HSW 10	4,000	131	33	26	34	16	31	109	1.10
HSW 13	6,700	164	44	33	43	19	39	134	2.20
HSW 16	10,000	183	50	40	50	25	45	155	3.50
HSW 19/20	16,000	205	55	48	55	27	53	178	5.80
HSW 22	19,000	225	62	50	60	29	62	196	8.00

pewag HBH webbing sling hook

• For direct and easy attachment to round slings and webbing slings. Without the need for additional components,

this hook allows users to create 1-4-leg assemblies or to attach textile lifting equipment directly to the load

All hooks include safety catch



 No risk of confusion of load capacities thanks to colour scheme that reflects the colour code for textile lifting equipment

т

[mm]

31

40

50

59

59

59

[mm]

16

17

25

36

36

36

D

[mm]

41

55

55

70

70

70

D2

[mm]

26

31

37

43

43

43

Weight [kg/pc.]

0.70

1.20

2.20

4.50

4.50

4.50

	Code	WLL [kg]	A [mm]	B [mm]	C [mm]	G [mm]	H [mm]	
	HBH 1	1,000	78	123	12	17	20	
	HBH 2	2,000	91	148	19	21	26	
TOOLB	HBH 3	3,000	113	175	21	25	32	
T2	HBH 4	4,000	130	223	40	36	40	
	HBH 5	5,000	133	233	40	36	40	
	HBH 6	6,000	133	223	40	36	40	
G								



pewag textile **lashing straps**

pewag textile lashing strap systems for securing loads are produced according to EN 12195-2. Lashing straps are normally applied as a one-piece lashing strap for strapping or as a two-piece lashing strap composed of a fixed end with tensioning element and end fitting and a loose end with end fitting.

Our extensive range of products ranging from a strap width of 25 to 75 mm and a lashing capacity from 250 to 10,000 daN can be further extended to suit customer's individual needs. Each lashing strap is provided with essential technical data and user information, such like "Do not use for lifting purposes".

Lashing strap labels:

-	1-6-61
0+2000daN	LC=200048/4
UZPM2645-1	Q6/23PM2645-1
06/19803	Nr.00/19802
TERTEN (EN12140-F	HOLY CHEEK CHARTEN
ewag	pewag
- Included	LC-CONSTRAIL
= JUNNUMAN	Ontaning test LC 40
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2350mm (2PM/2645-1	POLITICATION INVESTIGATION
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vo-piece	Two-piece
	iwo-piece

Two-piece fixed ends

User information:









In the last years, load securing has become an important issue within transportation in Europe. Since public institutions have tightened up controls, the enforcement of a correct load securing will become a statutory duty in future.

pewag has been for years a competent reference person to suit customer requirements. For detailed information, we offer clients a full consultancy service.

Overview:

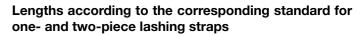
Types, length, order text

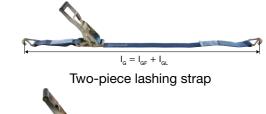


Two-piece lashing strap



One-piece lashing strap

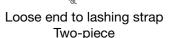


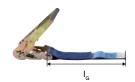






Fixed end to lashing strap Two-piece





One piece lashing strap (in strapping)

Order text two-piece lashing strap: ZG ERGO DZ 50 x 8000 / 2500 Z DHS

- 1 Lashing strap system with ratchet indication 2 Width of lashing strap
- 3 Total length
- 4 Admissible lashing capacity LC
- 5 Two-part
- 6 End fitting DHS

Order text one-part lashing strap: ZG ERGO DZ 50 x 8000 / 2500 E

- 1 Lashing strap system with ratchet indication
- 2 Width of lashing strap
- 3 Total length
- 4 Admissible lashing capacity LC
- 5 Single-part

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pewag



loose ends

pewag Lashing strap ZG 25

with ratchet RA 10

Our space-saving lashing strap system is ideal for direct lashing of very light loads in cars and on roof racks providing also for private purposes safe transportation according to regulations. Available with double J hook and a length of 4m or as onepiece lashing strap with a length of 5m.

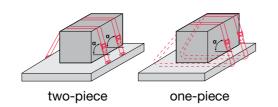


Strap width	25 mm
STF Standard tension force of the ratchet, important to determine the needed lashing straps for frictional lashing	-
LC – two-piece Allowed lashing capacity of the lashing strap, important to determine the needed lashing straps for direct lashing processes	250 daN
LC – one-piece strap Allowed lashing capacity of the lashing strap in strapping	500 daN

Road transport applications:

Frictional lashing

This lashing strap is not designed for frictional lashing according to EN 12195. For special applications, please contact our technical service department.



Direct lashing	Angle		Dynamic friction factor							
The load can be secured			0.01	0.1	0.2	0.3	0.4	0.5	0.6	
with 4 lashing straps	a [°]	β [°]		The load ca	an be secure	ed with 4 Las	shing straps	[daN ~ kg]		
	15–35	21–30	-	-	-	850	1,150	1,600	2,450	
	15–35	31–40	400	450	600	750	1,050	1,400	2,200	
	15–35	41–50	300	400	500	650	900	1,250	1,900	
a A	15–35	51–60	250	300	400	550	700	1,000	1,550	
B	36–50	21–30	-	-	550	750	1,050	1,550	2,500	
	36–50	31–40	300	400	500	700	950	1,450	2,350	
two-piece	36–50	41–50	250	300	450	600	850	1,300	2,150	
	36–50	51–60	-	250	350	550	750	1,150	1,850	

Accessories:



O

U **ZSH 10**

S-hook

Delta link Double J hook

D 10

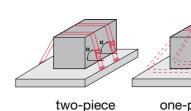


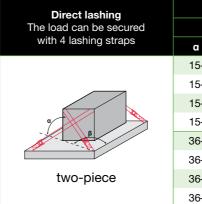
pewag Lashing strap ZG 35

with ratchet RA 40

The handy system for lashing down and direct lashing of light loads for commercial purposes and light trailers is characterized by a smaller strap width. Normally used with double J hooks and a length of 6m.

Strap	width					35 m	ım
ST Standard tension force of the ratchet, important to dete	-	eded lashing	straps for fri	ctional lashing	9	280 d	laN
LC – two Allowed lashing capacity of the lashing strap, important to proces	hing	1,000	daN				
· · ·	LC – one-piece strap Allowed lashing capacity of the lashing strap in strapping						
Road transport applications:							
	Angle			Dynamic fri	ction fact	tor	
Frictional lashing The load can be secured with 1 lashing strap		0.1	0.2	0.3	0.4	0.5	0.6
	a [°]	The load can be secured with 1 Lashing strap [daN ~ kg]					





Accessories:







	Angle	gle Dynamic friction factor									
ashing strap		0.1	0.2	0.3	0.4	0.5	0.6				
uormig on up	a [°]	The load can be secured with 1 Lashing strap [daN ~ kg]									
	90	60	140	250	420	700	1,260				
	85	50	130	250	410	690	1,250				
	80	50	130	240	410	680	1,240				
a	70	50	130	230	390	650	1,180				
	60	50	120	210	360	600	1,090				
	50	40	100	190	320	530	960				
piece	40	30	80	160	260	440	800				
	30	30	70	120	210	350	630				

An	gle	Dynamic friction factor										
		0.01	0.1	0.2	0.3	0.4	0.5	0.6				
a [°]	β [°]		The load can be secured with 4 Lashing straps [daN ~ kg]									
15–35	21–30	-	-	-	3,500	4,650	6,400	9,900				
15–35	31–40	1,600	1,950	2,450	3,150	4,200	5,750	8,950				
15-35	41–50	1,300	1,650	2,100	2,750	3,600	5,000	7,750				
15-35	51–60	1,050	1,300	1,700	2,200	2,900	4,050	6,350				
36–50	21–30	-	-	2,350	3,100	4,300	6,250	10,150				
36–50	31–40	1,250	1,600	2,150	2,850	3,950	5,800	9,500				
36–50	41–50	1,050	1,350	1,850	2,550	3,550	5,300	8,700				
36–50	51–60	-	1,100	1,550	2,200	3,100	4,650	7,550				





RH 10 Double J hook







pewag Lashing strap ZG 50...2000

with ratchet RA 100

The classic system for the lashing down of medium-heavy loads. The standard system is the "4-ton-strap" with a round hook in 8m and 10m length, available promptly ex warehouse.



Strap width	50 mm
STF Standard tension force of the ratchet, important to determine the needed lashing straps for frictional lashing	360 daN
LC – two-piece Allowed lashing capacity of the lashing strap, important to determine the needed lashing straps for direct lashing processes	2,000 daN
LC – one-piece strap Allowed lashing capacity of the lashing strap in strapping	4,000 daN

Road transport applications:

	Angle	Dynamic friction factor								
Frictional lashing The load can be secured with 1 lashing strap		0.1	0.2	0.3	0.4	0.5	0.6			
	a [°]	The	The load can be secured with 1 Lashing strap [daN ~ kg]							
	90	70	180	320	540	900	1,620			
	85	70	170	320	530	890	1,610			
	80	70	170	310	530	880	1,590			
	70	70	160	300	500	840	1,520			
	60	60	150	280	460	770	1,400			
	50	50	130	240	410	680	1,240			
two-piece one-piece	40	40	110	200	340	570	1,040			
	30	30	90	160	270	450	800			

Direct lashing	Angle		Dynamic friction factor							
The load can be secured			0.01	0.1	0.2	0.3	0.4	0.5	0.6	
with 4 lashing straps	a [°]	β [°]		The load ca	an be secure	ed with 4 Las	shing straps	[daN ~ kg]		
	15–35	21–30	-	-	-	7,050	9,350	12,850	19,800	
	15–35	31–40	3,200	3,900	4,900	6,350	8,400	11,550	17,900	
	15–35	41–50	2,650	3,300	4,250	5,550	7,200	10,000	15,500	
8	15–35	51–60	2,100	2,650	3,450	4,450	5,850	8,150	12,750	
B	36–50	21–30	-	-	4,700	6,250	8,600	12,500	20,300	
	36–50	31–40	2,500	3,250	4,300	5,750	7,950	11,650	19,000	
two-piece	36–50	41–50	2,100	2,750	3,750	5,100	7,150	10,600	17,450	
	36–50	51–60	-	2,250	3,150	4,400	6,250	9,300	15,100	

Accessories:



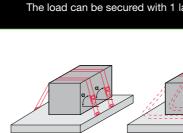
RH 100 Double J hook



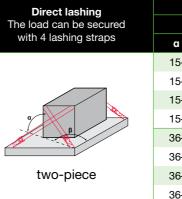
pewag Lashing strap ZG ERGO DZ 50

The user friendliest system for the lashing down of heavy loads now allows to be tensioned under pull thanks to the long lever ERGO ratchet. The use of the maximal tensioning force (STF) reduces the required number of lashing straps and saves time when loading. Labels are very durable due to their transparent protective covers.

Si	trap width					50	mm		
Standard tension force of the ratchet, important to	STF o determine the ne	eded lashing	g straps for fric	ctional lashin	g	500 daN			
LC – two-piece Allowed lashing capacity of the lashing strap, important to determine the needed lashing straps for direct lashing processes) daN		
LC – one-piece strap Allowed lashing capacity of the lashing strap in strapping) daN		
Road transport applications:									
Frictional lashing	Angle	Dynamic friction factor							
Frictional lashing	04	0.5	0.6						



two-piece



Accessories:



one-

Delta link with eye sling hook



other applications with ratchet RA ERGO-DZ 100



	Angle	Dynamic friction factor									
lashing strap		0.1	0.2	0.3	0.4	0.5	0.6				
laoning on ap	a [°]	The load can be secured with 1 Lashing strap [daN ~ kg]									
	90	100	250	450	750	1,250	2,250				
	85	100	240	440	740	1,240	2,240				
	80	100	240	440	730	1,230	2,210				
a	70	100	230	420	700	1,170	2,110				
	60	90	210	380	640	1,080	1,940				
	50	80	190	340	570	950	1,720				
-piece	40	60	160	280	480	800	1,440				
	30	50	120	220	370	620	1,120				

Angle		Dynamic friction factor									
		0.01	0.1	0.2	0.3	0.4	0.5	0.6			
a [°]	β [°]	The load can be secured with 4 Lashing straps [daN ~ kg]									
5-35	21–30	-	-	-	8,800	11,700	16,050	24,750			
5-35	31–40	4,000	4,850	6,150	7,950	11,500	10,500	22,350			
5–35	41–50	3,350	4,150	5,300	6,950	9,050	12,500	19,400			
5–35	51–60	2,600	3,300	4,350	5,600	7,300	10,200	15,950			
36–50	21–30	-	-	5,900	7,850	10,750	15,650	25,400			
86-50	31–40	3,150	4,050	5,350	7,200	9,950	14,550	23,800			
86–50	41–50	2,650	3,450	4,700	6,400	8,950	13,250	21,800			
86–50	51–60	-	2,800	3,950	5,500	7,800	11,600	18,900			



RH 100

Double





D 10 Double J hook Delta J hook with safety device

link

KHF 100 Flat snap

hook



Flat

hook





hook



KHG 100 Twisted snap hook

pewag Lashing strap ZG 50

with ratchet RA 100

The most versatile system for friction lashing and economical direct lashing of heavy loads offers a high standard tension force (STF) and is the ideal 5-tonnesstrap for professional applications due to the special lengths and the extensive range of accessories.



Strap width	50 mm
STF Standard tension force of the ratchet, important to determine the needed lashing straps for frictional lashing	350 daN
LC – two-piece Allowed lashing capacity of the lashing strap, important to determine the needed lashing straps for direct lashing processes	2,500 daN
LC – one-piece strap Allowed lashing capacity of the lashing strap in strapping	5,000 daN

Road transport applications:

				Angle			Dynamic fr	iction factor		
Frictional lashing The load can be secured with 1 lashing strap				0.1	0.2	0.3	0.4	0.5	0.6	
			a [°]	a [°] The load can be secured with 1 Lashing strap [daN ~ kg]						
				90	70	170	310	520	870	1,570
	-	_		85	70	170	310	520	870	1,560
			80	70	170	310	510	860	3,610	
			70	70	160	290	490	820	1,480	
			60	60	150	270	450	750	1,360	
			50	50	130	240	400	670	1,200	
two-piece	e c	one-piece		40	40	110	200	330	560	1,010
				30	30	80	150	260	430	780
Direct lashing		Angle		Dynamic friction factor						
The load can be sec				0.01	0.1	0.2	0.3	0.4	0.5	0.6
with 4 lashing stra	ps	a [°]	β [°]		The load can be secured with 4 Lashing straps [daN \sim kg]					
		15–35	21–30	-	-	-	8,800	11,700	16,050	24,750
	1	15–35	31–40	4,000	4,850	6,150	7,950	11,500	10,500	22,350
	A	15–35	41–50	3,350	4,150	5,300	6,950	9,050	12,500	19,400
a B		15–35	51–60	2,600	3,300	4,350	5,600	7,300	10,200	15,950
		36–50	21–30	-	-	5,900	7,850	10,750	15,650	25,400
		36–50	31–40	3,150	4,050	5,350	7,200	9,950	14,550	23,800
two-piece		36–50	41–50	2,650	3,450	4,700	6,400	8,950	13,250	21,800
		36–50	51–60	-	2,800	3,950	5,500	7,800	11,600	18,900
Accessories:	8	1	b	F	\bigcirc	2	3	ľ,	Q	8
	DHS 1 Delta link eye sling	with Do	uble [look h	RHS 100 Double J ook with ety device		FPH 100 Single J hook with tchet fitting	KHF 100 Flat snap hook	FH 100 Flat hook	T 100 Claw hook	KHG 100 Twisted snap hoo

pewag AS Gummed protective sleeve

- Gummed, ideal for rough surfaces
- For sharp edges, we recommend to use an edge protector or a edge wear pad GS
- The standard design is not sewed on the sling, so the sleeve can be moved along the sling. On request also available sewed on the material of the sling

Туре	Lashing strap system [mm]
AS 38	25 / 35
AS 52	48 / 50
AS 65	75

pewag GS Edge wear pad

- Three-layer, therefore very effective
- made of Polyester PES
- Length 500 mm, special lengths and special widths available on upon request

Туре	Lashing strap system [mm]
GS 50	25 / 35
GS 75	48 / 50
GS 90	75

pewag Protective sleeve for labels

Additional protective sleeve for the load capacity/lashing capacity label is available upon request. If required, the protective sleeve for the label may also be stitched onto the webbing. As lashing straps and webbing slings without labels must be decommissioned, protective sleeves for the label may significantly extend the lifespan of textile lashing and lifting equipment.







