pewag
lifting solutions

Wire rope fittings

Always the right fit

English EN

Product overview

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Introduction

Our wire rope fittings portfolio includes snatch blocks, master links, master link assemblies, a variety of hooks, shackles, wire rope clips and spare parts. To assist in selecting the appropriate fitting for your wire rope sling, we offer a dedicated comparison table that simplifies the matching process.

Additionally, we provide a comprehensive user manual containing essential information on general usage, maintenance, inspection, repair, storage, and transportation of the fittings.

You'll also find direct links to our pewag winner offshore and pewag winner inox product lines, which feature additional solutions for rope sling applications.


innovative solutions
EU
lifting clamps
lifting points
chain slings in G10
extensive service
inox - stainless steel
levo
lashing chains in G12
pewag
lifting solutions
your one-stop manufacturer

Products in comparison	SBR Snatch Block	AW Master link	MW Enlarged master link	VAW Special master link assembly	HSR Eye sling hook	FW Foundry hook
Spare parts available	✓	-	-	-	✓	-
Anti-corrosion coating (powder coating)	✓	✓	✓	✓	✓	✓
3D CAD drawing & trace parts	✓	✓	✓	✓	✓	✓
Swivel safety hook	✓*	-	-	-	-	-
Quick fastener	-	-	-	-	✓	-
Rotatable under load	✓	-	-	-	-	-
Standards	✓	✓	✓	✓	✓	✓
Temperature	-20°C to 60°C -4°F to 140°F	-40°C to 200°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F
Standard test certificates	✓	Upon request	Upon request	Upon request	Upon request	Upon request
Individual test certificates	✓	✓	✓	✓	✓	✓

*Applies only to SBRH and not to SBRS



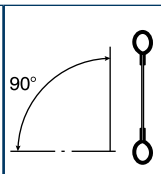
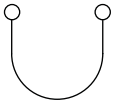
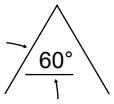
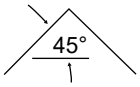
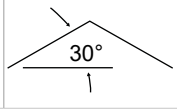




WLHW Swivel safety hook	WLHBW Swivel safety hook	LHW Safety hook	WSBW Swivel hook	HSW Eye sling hook	GSCHW Bow shackle	Wire rope clips
✓	✓	✓	✓	✓	-	-
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	-	✓	-	-	-
-	-	-	✓	✓	-	-
-	✓	-	✓	-	-	-
✓	✓	✓	✓	✓	✓	✓
-40°C to 200°C -40°F to 392°F	-40°C to 120°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	-40°C to 120°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	-40°C to 200°C -40°F to 392°F	Results from the rope's operating temperature
Upon request	Upon request	Upon request	Upon request	Upon request	Upon request	-
✓	✓	✓	✓	✓	Upon request	-

Working load limits for steel wire rope slings in Pounds

Rated Load in US — Working Load Limit (WLL) at SF 5:1.
The listed load capacities in the table are understood as the maximum values for the different slinging methods according to the standard method and the assignment of rope slings according to Flemish Eye are based on 6x19 and 6x37 classification wire rope with a steel core EIPS-MS-IWRC (Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core = for international 1770 N/mm²). Values shown are in pounds (lb), divided (:) ~2000 = results in unit tons (to)..

Angle [α]						
	Vertical			Horizontal		
	1-leg sling	Choker	Vertical Basket	2-leg sling or basket		
	90°	90°	90°	60°	45°	30°

Nominal rope diameter [inch]	Metrical Size in [mm]	Pounds [lb]					
1/4	6,4	1300	960	2600	2200	1820	1300
5/16	8,0	2000	1480	4000	3400	2800	2000
3/8	9,6	2800	2200	5800	5000	4000	2800
7/16	11,0	3800	2800	7800	6800	5400	3800
1/2	13,0	5000	3800	10200	8800	7200	5000
9/16	14,0	6400	4800	12800	11000	9000	6400
5/8	16,0	7800	5800	15600	13600	11000	7800
3/4	19,0	11200	8200	22000	19400	15800	11200
7/8	22,0	15200	11200	30000	26000	22000	15200
1	25,4	19600	14400	40000	34000	28000	19600
1-1/8	28,5	24000	18200	48000	42000	34000	24000
1-1/4	32,0	30000	22000	60000	52000	42000	30000
1-3/8	34,9	36000	26000	72000	62000	50000	36000
1-1/2	38,1	42000	32000	84000	74000	60000	42000
1-5/8	41,3	48000	36000	98000	84000	70000	48000
1-3/4	44,5	56000	42000	114000	98000	80000	56000
1-7/8	47,6	64000	48000	128000	112000	92000	64000
2	50,8	74000	56000	146000	126000	104000	74000
2-1/8	54,0	80000	62000	160000	138000	112000	80000
2-1/4	57,2	88000	70000	178000	154000	126000	88000
2-3/8	60,3	98000	76000	198000	170000	140000	98000
2-1/2	63,5	108000	84000	218000	188000	154000	108000
2-5/8	66,7	120000	92000	238000	206000	168000	120000
2-3/4	69,9	130000	102000	260000	226000	184000	130000
2-7/8	73,0	142000	110000	282000	244000	200000	142000
3	76,2	154000	120000	306000	266000	216000	154000

Chart is for reference only. Product not sold by pewag International group.

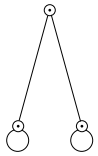
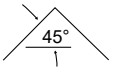
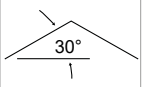
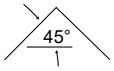
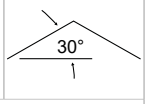
The company pewag only produces the components and not steel wire rope and/or not assembly the steel wire rope slings. Always use the sling tag for the working load limits or consult sling manufacturer.

All sling angles refer to the horizontal angle. Horizontal sling angles less than 30 degress shall not be used.

Note: Working load limits WLL (Rated loads) based on a minimum D/d ratio of 25:1. Rated load based on pin diameter no larger than natural eye width or less than the nominal sling diameter. For choker hitch, the angle of choke is 120 deg or greater. Values listed in US lb are based on EQUAL loading of all sling legs. Do not exceed work load limits.

Reference: ASME B30.9-2021 and based on OSHA standards (Occupational Safety and Health Administration).

Typing errors are reserved.

Angle [α]								
	Horizontal		Horizontal					
	Choker		3-leg sling			4-leg sling		
	60°	30°	60°	45°	30°	60°	45°	30°

Nominal rope diameter [inch]	Metrical Size in [mm]	Pounds [lb]							
1/4	6,4	1640	960	3400	2800	1940	4400	3600	2600
5/16	8,0	2600	1480	5200	4200	3000	7000	5600	4000
3/8	9,6	3600	2200	7400	6000	4400	10000	8200	5800
7/16	11,0	5000	2800	10000	8200	5800	13400	11000	7800
1/2	13,0	6400	3800	13200	10800	7600	17600	14200	10200
9/16	14,0	8200	4800	16600	13600	9600	22000	18000	12800
5/8	16,0	10000	5800	20000	16600	11800	28000	22000	15600
3/4	19,0	14200	8200	30000	24000	16800	38000	32000	22000
7/8	22,0	19400	11200	40000	32000	22000	52000	42000	30000
1	25,4	26000	14400	52000	42000	30000	68000	56000	40000
1-1/8	28,5	32000	18200	62000	52000	36000	84000	68000	48000
1-1/4	32,0	38000	22000	76000	62000	44000	102000	84000	60000
1-3/8	34,9	46000	26000	92000	76000	54000	124000	100000	72000
1-1/2	38,1	56000	32000	110000	90000	64000	146000	120000	84000
1-5/8	41,3	64000	36000	126000	104000	74000	170000	138000	98000
1-3/4	44,5	74000	42000	148000	120000	84000	196000	160000	114000
1-7/8	47,6	84000	48000	168000	136000	96000	224000	182000	128000
2	50,8	96000	56000	190000	156000	110000	254000	208000	146000
2-1/8	54,0	104000	62000	206000	168000	120000	276000	224000	160000
2-1/4	57,2	114000	70000	232000	188000	134000	308000	252000	178000
2-3/8	60,3	128000	76000	256000	210000	148000	342000	278000	198000
2-1/2	63,5	140000	84000	282000	230000	164000	376000	308000	206000
2-5/8	66,7	156000	92000	310000	252000	178000	412000	336000	238000
2-3/4	69,9	168000	102000	338000	276000	194000	450000	368000	260000
2-7/8	73,0	184000	110000	366000	300000	212000	488000	400000	282000
3	76,2	200000	120000	398000	324000	230000	530000	432000	306000

Chart is for reference only. Product not sold by pewag International group.

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All sling angles refer to the horizontal angle. Horizontal sling angles less than 30 degress shall not be used.

Note: Working load limits WLL (Rated loads) based on a minimum D/d ratio of 25:1. Rated load based on pin diameter no larger than natural eye width or less than the nominal sling diameter. For choker hitch, the angle of choke is 120 deg or greater. Values listed in US lb are based on EQUAL loading of all sling legs. Do not exceed work load limits.

Reference: ASME B30.9-2021 and based on OSHA standards (Occupational Safety and Health Administration).

Typing errors are reserved.

SBR Snatch Block

SBRH	SBRS
Code	Code
SBRH 04 13 115	SBRS 04 13 115
SBRH 08 22 150	SBRS 08 22 150
SBRH 12 22 150	SBRS 12 22 150

SBR Snatch Block

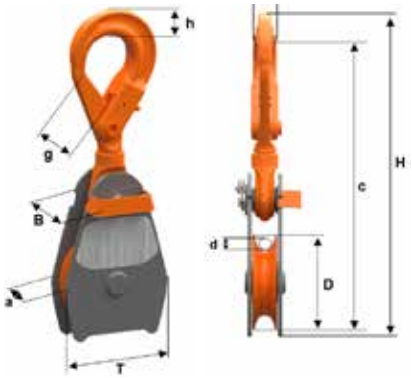
- Snatch block with removable bolts for attaching ropes
- For loads up to 4 / 8 / 12 tonnes
- Pulley for multiple rope diameters
- Maintenance free compound bushing
- SBRS equipped with pewag shackle P215

Standards

ASME B30.26

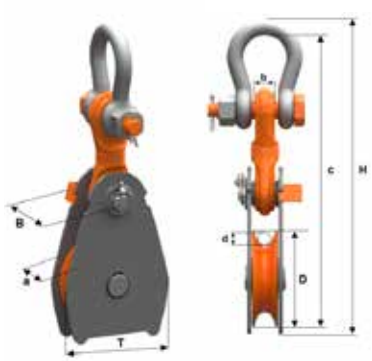
Temperature

-20°C to 60°C
-4°F to 140°F



Code	Working load limit [kg]	d [in]	D [in]	a [in]	b [in]	c [in]	h [in]	g [in]	B [in]	H [in]	T [in]	Weight [lbs/pc.]
SBRH 04 13 115	4.000	3/8–1/2	4.5	1.65	1.14	13.82	0.94	1.77	2.99	15.35	5.12	10.58
SBRH 08 22 150	8.000	3/4 - 7/8	5.9	1.97	1.61	19.69	1.89	2.36	3.54	22.05	6.30	25.79
SBRH 12 22 150	12.000	3/4 - 7/8	5.9	2.40	1.97	21.46	2.44	2.76	3.94	24.41	6.30	42.55

Working Load Limit (WLL) with a Safety Factor of 4:1



Code	Working load limit [kg]	d [in]	D [in]	a [in]	b [in]	c [in]	d1 [in]	h [in]	B [in]	H [in]	T [in]	Weight [lbs/pc.]
SBRS 04 13 115	4.000	3/8–1/2	4.5	1.65	0.91	13.58	0.94	0.47	2.99	14.65	5.12	11.25
SBRS 08 22 150	8.000	3/4 - 7/8	5.9	1.97	1.22	18.23	1.22	0.67	3.54	19.65	6.30	22.93
SBRS 12 22 150	12.000	3/4 - 7/8	5.9	2.40	1.34	20.16	1.46	0.87	3.94	21.85	6.30	38.14

Working Load Limit (WLL) with a Safety Factor of 4:1

SBRS with pewag Shackle P215 – learn more about our shackles in the brochure.

Master link and Master link assembly

I-leg and II-leg		III-leg and IV-leg
		
Master link AW	**Enlarged master link MW**	**Special master link assembly VAW**
Code	Code	Code
AW 10 (Formerly A 100)	MW 10 (Formerly MW 100)	VAW 6/7
AW 13 (Formerly A 130)	MW 13 (Formerly MW 130)	VAW 8
AW 16 (Formerly A 160)	MW 16 (Formerly MW 160)	VAW 10
AW 18 (Formerly A 180)	MW 18 (Formerly MW 180)	VAW 13
AW 22 (Formerly A 220)	MW 22 (Formerly MW 220)	VAW 16
AW 26 (Formerly A 260)	MW 26 (Formerly MW 260)	VAW 19/20
AW 32 (Formerly A 320)	MW 32 (Formerly MW 320)	VAW 22
AW 36 (Formerly A 360)	MW 36 (Formerly MW 360)	VAW 26
AW 45 (Formerly A 450)	MW 56 (Formerly MW 560)	VAW 32
AW 50 (Formerly A 500)		
AW 56 (Formerly A 560)		
AW 72 (Formerly A 720)		

AW Master link

Features

- Designed for use in the assembly of 1-leg and 2-leg rope slings
- Can also serve as an end link
- Offers universal connection options via its engineered flat section

Standards
ASTM A952/A952M-02, but higher working load limit and ASME B30.9

Temperature
-40°F to 400°F

Technical details

Code	Size [inch]	Working load limit 90°-45° [lb] (SF 5)	d [inch]	t [inch]	w [inch]	s [inch]	weight [lbs/pc.]
AW 10	3/8	3.300	0.39	3.15	1.97	0.39	0.31
AW 13	1/2	5.800	0.51	4.33	2.36	0.39	0.75
AW 16	5/8	7.500	0.63	4.33	2.36	0.55	1.17
AW 18	3/4	10.000	0.77	5.31	2.95	0.55	2.03
AW 22	7/8	16.700	0.91	6.30	3.54	0.67	3.53
AW 26	1	26.000	1.06	7.09	3.93	0.79	5.42
AW 32	1-1/4	36.600	1.30	7.87	4.33	1.02	9.13
AW 36	1-1/2	55.500	1.42	10.24	5.51	1.14	13.71
AW 45	1-3/4	83.100	1.77	13.39	7.08		28.26
AW 50	2	111.000	1.97	13.78	7.48	1.69	36.49
AW 56	2-1/4	147.300	2.20	15.75	7.87		59.55
AW 72	2-3/4	188.600	2.76	18.11	9.84		99.87

The Working Load Limit (WLL) with a safety factor of 5:1 applies specifically when used with steel wire rope slings.

Assignment table

Code	Master link AW		The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².	
	Fits on single hook DIN 15401 Nr.	Fits on double hook DIN 15402 Nr.	Nominal rope diameter [inch]	
			I-leg	II-leg
AW 10	1,6	2,5	1/4 to 3/8	1/4
AW 13	2,5	4	7/16 to 1/2	5/16 to 3/8
AW 16	2,5	4	9/16	7/16
AW 18	5	6	5/8	1/2
AW 22	6	8	3/4 to 7/8	9/16 to 5/8
AW 26	8	10	1 to 1-1/8	3/4 to 7/8
AW 32	10	12	1-1/4 to 1-3/8	1
AW 36	16	20	1-1/2 to 1-5/8	1-1/8 to 1-1/4
AW 45	25	32	1-3/4 to 2	1-3/8 to 1-1/2
AW 50	32	40	2-1/8" to 2-1/2"	1-5/8 to 1-3/4
AW 56	32	40	2-5/8" to 2-7/8"	1-7/8 to 2-1/8"
AW 72	50	63	3"	2-1/4" to 2-1/2"

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

MW Enlarged master link

Features

- Increased inner width accommodates larger crane hooks or specialized hook types (compared to the AW Master Link)
- Also suitable for use as an end link
- Offers universal connection options via its engineered flat section

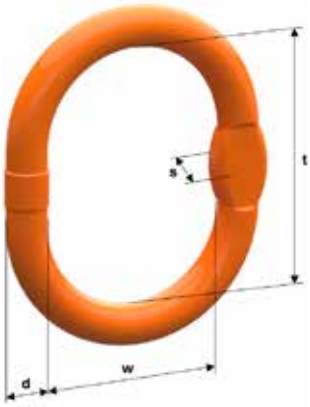
Standards

ASTM A952/A952M-02, but higher working load limit and ASME B30.9

Temperature

-40°F to 400°F

Technical details



Code	Size [inch]	Working load limit 90°-45° [lb] (SF 5)	d [inch]	t [inch]	w [inch]	s [inch]	weight [lbs/pc.]
MW 10	3/8	3.800	0.43	3.54	2.56	0.39	0.48
MW 13	1/2	6.100	0.55	4.72	2.76	0.39	0.97
MW 16	5/8	8.400	0.63	5.51	3.15	0.51	1.56
MW 18	3/4	12.800	0.75	6.30	3.74	0.55	2.40
MW 22	7/8	18.500	0.91	6.69	4.13	0.67	3.83
MW 26	1	30.000	1.06	7.48	4.33	0.79	5.83
MW 32	1-1/4	45.000	1.30	9.06	5.12	1.02	10.52
MW 36	1-1/2	61.100	1.50	10.83	5.90	1.14	16.46
MW 56	2-1/4	111.000	2.20	13.78	9.84	1.81	48.36

The Working Load Limit (WLL) with a safety factor of 5:1 applies specifically when used with steel wire rope slings.

Assignment table

Code	MW Enlarged master link		The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².	
	Fits on single hook DIN 15401 Nr.	Fits on double hook DIN 15402 Nr.	Nominal rope diameter [inch]	
			I-leg	II-leg
MW 10	2,5	4	1/4 to 7/16	1/4 to 5/16
MW 13	4	5	1/2	3/8
MW 16	5	6	9/16 to 5/8"	7/16
MW 18	6	8	3/4	1/2 to 9/16
MW 22	10	12	7/8	5/8
MW 26	10	12	1 to 1-1/4	3/4 to 7/8
MW 32	12	16	1-3/8 to 1-1/2	1 to 1-1/8
MW 36	20	25	1-5/8 to 1-3/4	1-1/4
MW 56	50	63	1-7/8 to 2-1/2	1-3/8 to 1-3/4

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

Sling hooks & shackle

Sling hooks

Eye sling hook HSR	Foundry hook FW	Swivel safety hook WLHW	Swivel safety hook WLHBW	Safety hook LHW
Code	Code	Code	Code	Code
HSR 5/6-8		WLHW 5/6 (Formerly WLH 5.50)	WLHBW 5/6 (Formerly WLHB 5.50)	LHW 5/6 (Formerly LH 5.50)
HSR 7/8-8	FW 7/8 (Formerly F 70/80)	WLHW 7/8 (Formerly WLH 70/80)	WLHBW 7/8 (Formerly WLHB 70/80)	LHW 7/8 (FormerlyLH 70/80)
HSR 10-8	FW 10 (Formerly F 100)	WLHW 10 (Formerly WLH 100)	WLHBW 10 (Formerly WLHB 100)	LHW 10 (Formerly LH 100)
HSR 13-8	FW 13 (Formerly F 130)	WLHW 13 (Formerly WLH 130)	WLHBW 13 (Formerly WLHB 130)	LHW 13 (Formerly LH 130)
	FW 16 (Formerly F 160)	WLHW 16 (Formerly WLH 160)	WLHBW 16 (Formerly WLHB 160)	LHW 16 (Formerly LH 160)
	FW 19/20 (Formerly F 200)	WLHW 19/20* (Formerly WLH 200)	WLHBW 19/20 (Formerly WLHB 200)	LHW 19/20 (Formerly LH 200)
	FW 22 (Formerly F 220)	WLHW 22* (Formerly WLH 220)	WLHBW 22 (Formerly WLHB 220)	LHW 22 (Formerly LH 220)
	FW 26 (Formerly F 260)			LHW 26 (Formerly LH 260)
	FW 32 (Formerly F 320)			LHW 32 (Formerly LH 320)

*Upon request

Sling hooks

Swivel hook WSBW

Code
WSBW 7/8
WSBW 10
WSBW 13

Eye sling hook HSW

Code
HSW 5/6 (Formerly HS 5.50)
HSW 7/8 (Formerly HS 70/80)
HSW 10 (Formerly HS 100)
HSW 13 (Formerly HS 130)
HSW 16 (Formerly HS 16)
HSW 19/20 (Formerly HS 200)
HSW 22 (Formerly HS 220)
HSW 26 (Formerly HS 260)
HSW 32 (Formerly HS 320)

Shackle

Bow shackle GSCHW

Code
GSCHW 7/8
GSCHW 10
GSCHW 13
GSCHW 16

Wire rope Clips

Wire rope Clips

Code
UCR 1/8"
UCR 3/16"
UCR 1/4"
UCR 5/16"
UCR 3/8"
UCR 7/16-1/2"
UCR 9/16-5/8"
UCR 3/4"
UCR 7/8"
UCR 1"
UCR 1 1/8"
UCR 1 1/4"
UCR 1 3/8"
UCR 1 1/2"

HSR Eye sling hook

NEW

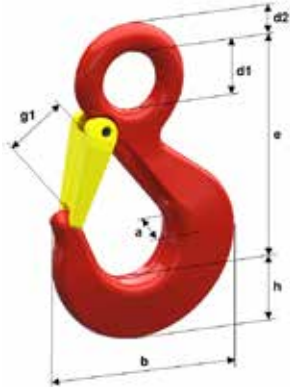
Features

- The HSR eye sling hook offers versatile application options and is equipped with a forged safety latch.
- Enhanced safety is provided by a latch that securely locks into the tip of the hook.
- The SFGW safety latch set is also available as a replacement parts kit.

Standards
ASTM A952/A952M-02 but higher WLL and ASME B30.9

Temperature
-40°F to 400°F

Technical details



Code	Size [inch]	Working load limit [lb] (SF 5)	e [inch]	h [inch]	a [inch]	d1 [inch]	d2 [inch]	g1 [inch]	b [inch]	weight [lbs/pc.]
HSR 5/6	3/16 - 7/32	3.100	3.35	0.83	0.67	0.79	0.39	0.79	2.87	0.75
HSR 7/8	9/32 - 5/16	5.700	4.13	1.10	0.91	1.06	0.51	1.02	3.43	1.56
HSR 10	3/8	7.500	5.08	1.26	0.95	1.26	0.63	1.10	4.17	2.58
HSR 13	1/2	12.400	6.22	1.57	1.26	1.50	0.75	1.41	5.16	4.96

This product is intended exclusively for use in steel wire rope slings.
The specified Working Load Limit (WLL) with a safety factor of 5:1 applies only in such applications.

Assignment table

	HSR Eye sling hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
HSR 5/6	1/4 to 3/8	
HSR 7/8	7/16 to 1/2	
HSR 10	9/16	
HSR 13	5/8 to 3/4	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team.

FW Foundry hook

Features

- Extra-wide jaw design for enhanced versatility
- Commonly used in foundries and performs exceptionally well with Connex and welded systems

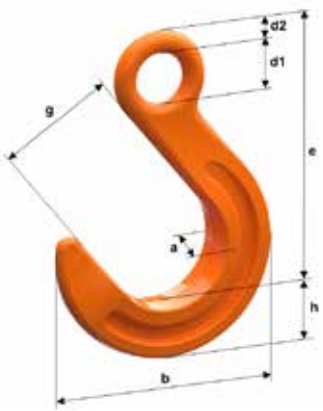
Standards

ASTM A952/A952M-02 and ASME B30.9

Temperature

-40°F to 400°F

Technical details



Code	Size [inch]	WII [lb] SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	d1 [inch]	d2 [inch]	g [inch]	b [inch]	Weight lbs/pc.
FW 7/8	9/32 - 5/16	4.500	5.700	5.16	1.14	0.98	0.94	0.43	2.52	4.65	2.07
FW 10	3/8	7.100	8.800	6.22	1.38	1.26	1.22	0.55	2.99	5.63	3.57
FW 13	1/2	12.000	15.000	7.48	1.65	1.57	1.54	0.67	3.50	6.69	7.14
FW 16	5/8	18.100	22.600	8.82	1.97	1.81	1.85	0.87	4.05	7.87	12.46
FW 19/20	3/4	28.300	35.300	10.24	2.40	2.13	2.20	1.10	4.49	9.09	20.94
FW 22	7/8	34.200	42.700	11.30	2.95	2.48	1.85	1.22	5.51	11.18	29.54
FW 26	1	47.700	59.700	14.09	3.31	2.87	3.23	1.50	5.98	12.28	47.18
FW 32	1 - 1/4	72.300	90.400	14.57	3.98	3.54	2.60	1.73	6.69	14.13	77.16

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.

Assignment table

	FW Foundry hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
FW 7/8	3/8 to 7/16	
FW 10	1/2 to 9/16	
FW 13	5/8 to 3/4	
FW 16	7/8	
FW 19/20	1 to 1-1/8	
FW 22	1-1/4	
FW 26	1-3/8 to 1-1/2	
FW 32	1-5/8 to 1-7/8	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

WLHW Swivel safety hook

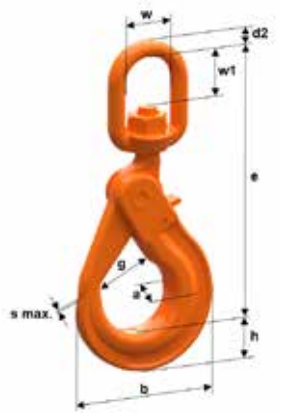
Features

- Automatically locks and cannot be opened while under load
- Non-rotatable and remains securely positioned when loaded
- VLHW safety latch set available as a replacement parts kit

Standards
ASTM A952/A952M-02 and ASME B30.9

Temperature
-40°F to 400°F

Technical details



Code	Size [inch]	WII [lb] (SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	w [inch]	w1 [inch]	d2 [inch]	g1 [inch]	s max. [inch]	Weight lbs/pc.
WLHW 5/6	3/16 - 7/32	2.100	2.700	6.34	0.79	0.67	1.38	1.42	0.47	1.10	0.04	2.65
WLHW 7/8	9/32 - 5/16	4.500	5.700	7.17	1.02	0.79	1.38	1.42	0.47	1.34	0.04	3.40
WLHW 10	3/8	7.100	8.800	8.58	1.18	1.14	1.65	1.61	0.63	1.77	0.04	4.72
WLHW 13	1/2	12.000	15.000	10.59	1.57	1.38	1.93	1.85	0.79	2.05	0.06	9.74
WLHW 16	5/8	18.100	22.600	12.56	1.97	1.61	2.36	2.36	0.94	2.36	0.08	16.18
WLHW 19/20*	3/4	28.300	35.300	15.51	2.44	1.97	3.15	3.39	1.38	2.76	0.08	31.50
WLHW 22*	7/8	34.200	42.700	16.93	2.56	2.28	3.15	3.15	1.38	3.19	0.08	37.40

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.
***WLHW 19/20 and 22 upon request**

Assignment table

	WLHW Swivel safety hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
WLHW 5/6	1/4 to 5/16	
WLHW 7/8	3/8 to 7/16	
WLHW 10	1/2 to 9/16	
WLHW 13	5/8 to 3/4	
WLHW 16	7/8	
WLHW 19/20*	1 to 1-1/8	
WLHW 22*	1-1/4	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

WLHBW Swivel safety hook

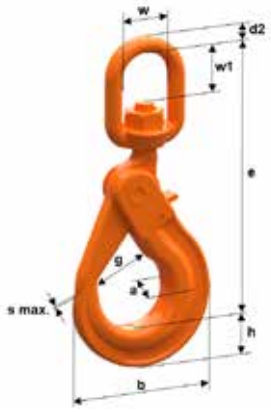
Features

- Automatically locks and cannot be opened while under load
- Capable of rotating under load for added versatility
- Wider jaw opening than the HSW model, offering increased flexibility

Standards
ASTM A952/A952M-02 and ASME B30.9

Temperature
-40°F to 250°F

Technical details



Code	Size [inch]	Wll [lb] (SF 5)[1]	Wll [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	w [inch]	w1 [inch]	d2 [inch]	g [inch]	s max. [inch]	Weight lbs/pc.
WLHBW 5/6	3/16-7/32	2.100	2.700	6.34	0.79	0.67	1.38	1.42	0.47	1.10	0.04	2.65
WLHBW 7/8	9/32-5/16	4.500	5.700	7.17	1.02	0.79	1.38	1.42	0.47	1.34	0.04	3.42
WLHBW 10	3/8	7.100	8.800	8.58	1.18	1.14	1.65	1.61	0.63	1.77	0.04	4.72
WLHBW 13	1/2	12.000	15.000	10.59	1.57	1.38	1.93	1.85	0.79	2.05	0.06	9.77
WLHBW 16	5/8	18.100	22.600	12.56	1.97	1.61	2.36	2.36	0.94	2.36	0.08	16.20
WLHBW 19/20	3/4	28.300	35.300	15.51	2.44	1.97	3.15	3.39	1.38	2.76	0.08	31.50
WLHBW 22	7/8	34.200	42.700	16.93	2.56	2.28	3.15	3.15	1.38	3.19	0.08	37.40

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.

Assignment table

	WLHBW Swivel safety hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
WLHBW 5/6	1/4 to 5/16	
WLHBW 7/8	3/8 to 7/16	
WLHBW 10	1/2 to 9/16	
WLHBW 13	5/8 to 3/4	
WLHBW 16	7/8	
WLHBW 19/20	1 to 1-1/8	
WLHBW 22	1-1/4	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

LHW Safety hook

Features

- Securely locked when under load
- Wider jaw opening than the HSW model, providing greater flexibility
- VLHW safety latch set located on the back of the hook — available as a spare parts kit

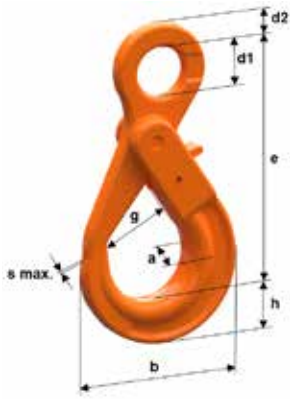
Standards

ASTM A952/A952M-02 and ASME B30.9

Temperature

-40°F to 400°F

Technical details



Code	Size [inch]	WII [lb] (SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	b [inch]	d1 [inch]	d2 [inch]	g1 [inch]	s max. [inch]	Weight lbs/pc.
LHW 5/6	3/16 - 7/32	2.100	2.700	4.33	0.79	0.67	2.80	0.83	0.43	1.10	0.04	1.17
LHW 7/8	9/32 - 5/16	4.500	5.700	5.35	1.02	0.79	3.46	0.98	0.47	1.34	0.04	2.03
LHW 10	3/8	7.100	8.800	6.65	1.18	1.14	4.21	1.38	0.59	1.77	0.04	3.46
LHW 13	1/2	12.000	15.000	8.07	1.57	1.38	5.43	1.57	0.79	2.05	0.06	7.03
LHW 16	5/8	18.100	22.600	9.88	1.97	1.61	6.61	1.97	1.06	2.36	0.08	13.76
LHW 19/20	3/4	28.300	35.300	11.41	2.44	1.97	7.64	2.36	1.18	2.76	0.08	21.49
LHW 22	7/8	34.200	42.700	12.68	2.56	2.05	8.31	2.76	1.26	3.19	0.08	27.45
LHW 26	1	47.700	59.700	15.08	3.11	2.40	9.96	3.23	1.65	3.94	0.08	44.09
LHW 32	1 - 1/4	72.300	90.400	16.73	4.01	3.15	12.24	3.23	1.77	4.72	0.12	71.43

1) The working load limit with safety factor 5 applies when used for steel wire rope slings.
2) The working load limit with safety factor 4 applies when used for chain slings.

Assignment table

	LHW Safety hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
LHW 5/6	1/4 to 5/16	
LHW 7/8	3/8 to 7/16	
LHW 10	1/2 to 9/16	
LHW 13	5/8 to 3/4	
LHW 16	7/8	
LHW 19/20	1 to 1-1/8	
LHW 22	1-1/4	
LHW 26	1-3/8 to 1-1/2	
LHW 32	1-5/8 to 1-7/8	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

WSBW Swivel hook

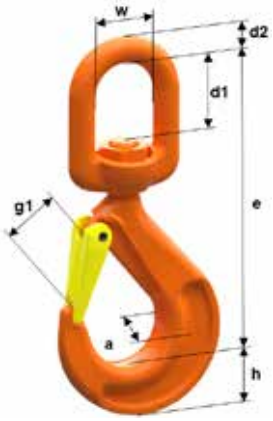
Features

- Equipped with a die-forged safety latch that securely locks into the tip of the hook
- Allows rotation under load for enhanced handling flexibility
- SFGW safety latch set available as a replacement parts kit

Standards
ASTM A952/A952M-02 and ASME B30.9

Temperature
-40°F to 250°F

Technical details



Code	Size [inch]	WII [lb] (SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	d1 [inch]	d2 [inch]	g1 [inch]	Weight lbs/pc.
WSBW 7/8	9/32 - 5/16	4.500	5.700	6.06	1.10	0.75	1.46	0.47	1.02	2.73
WSBW 10	3/8	7.100	8.800	7.20	1.30	0.98	1.61	0.63	1.18	4.06
WSBW 13	1/2	12.000	15.000	8.70	1.57	1.18	1.85	0.79	1.50	7.61

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.

Assignment table

	WSBW Swivel hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	Nominal rope diameter [inch]	
WSBW 7/8	3/8 to 7/16	
WSBW 10	1/2 to 9/16	
WSBW 13	5/8 to 3/4	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

HSW Eye sling hook

Features

- Offers versatile application options and is equipped with a forged safety latch
- Enhanced safety through a latch that securely locks into the tip of the hook
- SFGW safety latch set is available as a replacement parts kit

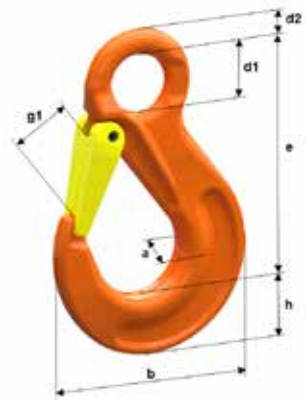
Standards

ASTM A952/A952M-02
and ASME B30.9

Temperature

-40°F to 400°F

Technical details



Code	Size [inch]	WII [lb] (SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	h [inch]	a [inch]	d1 [inch]	d2 [inch]	g1 [inch]	b [inch]	Weight lbs/pc.
HSW 5/6	3/16 - 7/32	2.100	2.700	3.35	0.83	0.67	0.79	0.75	0.75	2.68	0.75
HSW 7/8	9/32 - 5/16	4.500	5.700	4.17	1.06	0.75	0.98	1.02	1.02	3.46	1.25
HSW 10	3/8	7.100	8.800	5.16	1.30	1.02	1.34	1.22	1.22	4.29	2.76
HSW 13	1/2	12.000	15.000	6.47	1.73	1.30	1.69	1.54	1.54	5.28	4.10
HSW 16	5/8	18.100	22.600	7.20	1.97	1.57	1.97	1.77	1.77	6.10	8.51
HSW 19/20	3/4	28.300	35.300	8.07	2.17	1.89	2.17	2.09	2.09	7.01	13.25
HSW 22	7/8	34.200	42.700	8.86	2.44	1.97	2.36	2.44	2.44	7.72	18.06
HSW 26	1	47.700	59.700	10.20	2.96	2.76	2.76	2.87	2.87	9.25	28.13
HSW 32	1 - 1/4	72.300	90.400	11.77	3.82	3.23	2.60	3.43	3.43	11.46	61.42

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.

Assignment table

	HSW Eye sling hook	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	Nominal rope diameter [inch]	
HSW 5/6	1/4 to 5/16	
HSW 7/8	3/8 to 7/16	
HSW 10	1/2 to 9/16	
HSW 13	5/8 to 3/4	
HSW 16	7/8	
HSW 19/20	1 to 1-1/8	
HSW 22	1-1/4	
HSW 26	1-3/8 to 1-1/2	
HSW 32	1-5/8 to 1-7/8	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

GSCHW Bow shackle

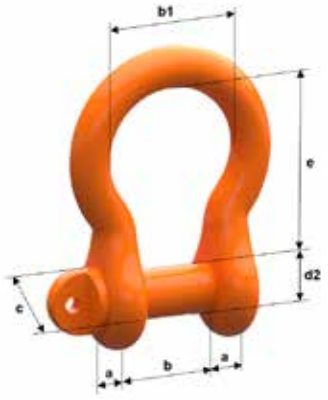
Features

- UKCA marking available upon request
- The smooth bolt rests securely within both eyes, ensuring that the thread does not extend into the shackle opening

Standards
ASTM A952/A952M-02 and ASME B30.9

Temperature
-40°F to 400°F

Technical details



Code	Size [inch]	WII [lb] (SF 5)[1]	WII [lb] (SF 4)[2]	e [inch]	b [inch]	b1 [inch]	a [inch]	c [inch]	d2 [inch]	Weight lbs/pc.
GSCHW 7/8	9/32 - 5/16	4.500	5.700	2.01	0.87	1.26	0.51	1.34	0.63	1.01
GSCHW 10	3/8	7.100	8.800	2.52	1.06	1.69	0.63	1.57	0.75	1.87
GSCHW 13	1/2	12.000	15.000	2.99	1.22	2.01	0.75	1.81	0.87	2.80
GSCHW 16	5/8	18.100	22.600	3.74	1.69	2.68	0.98	2.32	1.10	6.39

1) When used with steel wire rope slings, the Working Load Limit (WLL) is based on a safety factor of 5:1.
2) When used with chain slings, the Working Load Limit (WLL) is based on a safety factor of 4:1.

Assignment table

	GSCHW Bow shackle	The assignment of single-leg rope slings with Flemish Eye terminations is based on wire rope classified as 6x19 or 6x37, featuring a steel core (EIPS-MS-IWRC — Extra Improved Plow Steel, Mechanical Splice, Independent Wire Rope Core), with an international tensile strength rating of 1770 N/mm².
Code	**Nominal rope diameter [inch]**	
GSCHW 7/8	3/8 to 7/16	
GSCHW 10	1/2 to 9/16	
GSCHW 13	5/8 to 3/4	
GSCHW 16	7/8	

The assignment of sling ropes includes matching thimbles in accordance with Federal Specification FF-T-276b. Component selection for lifting slings is based on their respective Working Load Limits (WLL), ensuring compatibility with all steel wire rope sizes specified in pounds [lb], using EIPS-MS-IWRC (1770 N/mm²) wire rope. For additional combination options, please contact pewag's Technical Product Management team. For chain sling configurations, refer to the pewag winner chain system G10/Grade 100 catalog.

Wire rope clips

Features

- Full traceability – Batch-marked and linked to the pewag certification tool
- Corrosion protection – Fully hot-dip galvanized, powder-coated U-bolt
- Easy identification – Laser marking with size and manufacturer ID*
- Robust construction – Forged identification on the saddle ensures reliability under load
- Engineered strength – Optimized for maximum durability

NEW

Standards

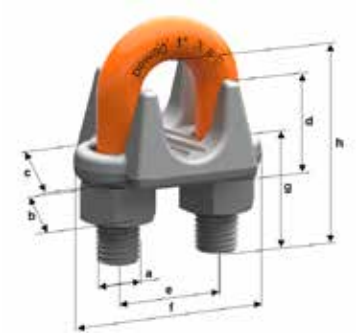
ASME B30.26

EN 13411-5 Type B

Temperature

Results from the rope's operating temperature

Technical details



Code	Rope size [inch]	Rope size [mm]	Packing qty	Weight per pc. [kg]	Weight per pc. [lb]
UCR 1/8" [1) 2)]	1/8	3-4	100	0.02	0.04
UCR 3/16" [2)]	3/16	5	100	0.05	0.11
UCR 1/4" [2)]	1/4	6-7	100	0.09	0.20
UCR 5/16"	5/16	8	50	0.14	0.31
UCR 3/8"	3/8	9-10	50	0.23	0.51
UCR 7/16-1/2"	7/16 - 1/2	11-13	20	0.36	0.79
UCR 9/16-5/8"	9/16 - 5/8	14-16	20	0.51	1.12
UCR 3/4"	3/4	18-20	20	0.70	1.54
UCR 7/8"	7/8	22	10	1.10	2.43
UCR 1"	1	24-26	10	1.26	2.78
UCR 1 1/8"	1 1/8	28-30	10	1.44	3.18
UCR 1 1/4"	1 1/4	32-34	4	2.20	4.85
UCR 1 3/8"	1 3/8	36	4	2.20	4.85
UCR 1 1/2"	1 1/2	38	4	2.54	5.60

[1)] Comes without laser engraving
[2)] zinc-plated U-bolt and nut

Assignment table

Code	Dimensions [inch]							
	a	b	c	d	e	f	g	h
UCR 1/8"	12-24 UNC	0.37	0.81	0.37	0.47	0.98	0.51	0.74
UCR 3/16"	1/4-20 UNC	0.43	0.94	0.50	0.59	1.18	0.63	0.96
UCR 1/4"	5/16-18 UNC	0.56	1.18	0.66	0.75	1.44	0.59	1.06
UCR 5/16"	3/8-16 UNC	0.68	1.32	0.73	0.89	1.65	0.83	1.38
UCR 3/8"	7/16-14 UNC	0.74	1.63	0.91	1.00	1.93	0.87	1.50
UCR 7/16-1/2"	1/2-13 UNC	0.86	1.91	1.12	1.18	2.28	1.08	1.91
UCR 9/16-5/8"	9/16-12 UNC	0.92	2.07	1.34	1.32	2.50	1.34	2.28
UCR 3/4"	5/8-11 UNC	1.05	2.24	1.40	1.50	2.83	1.54	2.80
UCR 7/8"	3/4-10 UNC	1.23	2.44	1.57	1.75	3.17	1.73	3.17
UCR 1"	3/4-10 UNC	1.23	2.62	1.77	1.89	3.46	1.89	3.52
UCR 1 1/8"	3/4-10 UNC	1.23	2.81	1.91	2.01	3.58	2.09	3.92
UCR 1 1/4"	7/8-9 UNC	1.42	3.13	2.17	2.32	4.13	2.28	4.49
UCR 1 3/8"	7/8-9 UNC	1.42	3.13	2.32	2.32	4.17	2.28	4.49
UCR 1 1/2"	7/8-9 UNC	1.42	3.41	2.44	2.58	4.45	2.48	4.98

Spare parts

Spare parts must only be replaced by qualified personnel with the appropriate training and expertise.
Only genuine pewag spare parts are permitted for use and installation.

VLHW Trigger set

Code	For accessory part
VLHW 5/6	LHW 5/6, WLH(B)W 5/6
VLHW 7/8	LHW 7/8, WLH(B)W 7/8
VLHW 10	LHW 10, WLH(B)W 10
VLHW 13	LHW 13, WLH(B)W 13
VLHW 16	LHW 16, WLH(B)W 16
VLHW 19/20/22/26	LHW 19/20, LHW 22, LHW 26, WLH(B)W 19/20, WLH(B)W 22
VLHW 32	LHW 32

SFGW Safety catch set

Code	For accessory part
SFGW 5/6	HSW 5/6, HSR 5/6
SFGW 7/8	HSW 7/8, HSR 7/8, WSBW 7/8
SFGW 10	HSW 10, HSR 10, WSBW 10
SFGW 13	HSW 13, HSR 13, WSBW 13
SFGW 16	HSW 16
SFGW 19/20	HSW 19/20
SFGW 22	HSW 22
SFGW 26	HSW 26, HSW 32

SBR Snatch Block

Number	Spare Parts Sets
1	Safety linchpin
2	Sheave
3	SBRH PC/O
4	Shackle P215
/	Label for SBRH
/	Label for SBRS

Restrictions of use for wire rope fittings

Temperature	-40°F to 400°F	over 400°F to 570°F	over 570°F to 700°F
Load factor	1	0.9	0.75
Shock	slight shocks	medium shocks	strong shocks
	arises e.g. when the lifting or lowering movement is accelerated.	occurs e.g. when the chain slips during adjustment to the shape of the load.	arises e.g. when the load falls into the unloaded chain.
Load factor	1	0.7	not permissible
Edge load	not permissible		

Note: This table exclusively refers to pewag lifting components. Different usage limitations may apply to lifting ropes and thimbles. For any questions regarding these components, please consult the respective manufacturer of the steel wire ropes or thimbles.

Use at temperatures below -40°F and above 700°F is prohibited!

User information

General description

pewag components can be used for general lifting purposes for single- and multi leg wire rope slings acc. EN 13414-1 and ASME B30.9 and are suitable for the lifting and transporting of loads, provided that the instructions of the operating manual and all national regulations are complied with. The components comply with Machinery Directive 2006/42/ EC and may only be used in accordance with the Declaration of Incorporation.

It should only be used by trained personnel, who have read and understood the instructions for use.
This is available for download at **www.pewag.com.**

Hooks should not bear weight on the tips. Loops, suspension links and thimbles must be able to move freely in the hook.
pewag lifting accessories may only be used within the specified temperature range, taking into account the corresponding reduction factors for wire rope slings – otherwise, they must be taken out of service.

The maximum load capacities specified in the table must be reduced if the wire rope slings are subjected to adverse loading conditions.

These include, for example, high temperatures, asymmetry, edge loads, impacts or similar. In these cases, the load factors must be taken into account.
Should you still require technical information, please contact the manufacturers of wire rope slings or wire rope sling assemblies. pewag only manufactures the components and does not produce wire rope slings or wire rope sling assemblies.

If you require technical information about pewag lifting components, please contact our technical service team.

Responsibility is key

When used correctly by qualified personnel, pewag lifting accessories offer a long service life and uphold the highest safety standards. By carefully reviewing this user information and handling all lifting operations responsibly and attentively, material damage and personal injury can be effectively prevented.

Intended Use of Components for Wire Rope Slings

- **Application**:
  pewag components are designed for assembling wire rope fittings, master links, and four-leg assemblies used in lifting and transporting loads with rope hangers.
- **Load Alignment:**
  All links and components must be able to move freely and align with the direction of the load to ensure safe operation.
- **Operating Temperature Range:**
  Standard range: -40°F to 400°F. For temperatures exceeding this range, refer to the “Restrictions on Use” table. Use below -40°F or above 700°F is strictly prohibited
- **Shock Loading:**
  Components must not be subjected to shock loads. For situations involving impacts, consult the “Restrictions on Use” table.
- **Personnel Requirements:**
  Only trained and qualified personnel may use these components. Before each use, components must be visually inspected for any signs of damage or defects.

Modifications to As-Delivered Condition

To ensure safety and maintain product integrity, only original pewag parts (such as bolts, safety pins, screws, etc.) included in the scope of delivery should be used with pewag lifting components.

Any modification to the original condition—such as bending, grinding, welding, drilling, stamping, or removal of parts—compromises safety and may result in serious hazards. This includes:

- Heating components (e.g., chains) above 380°C (for pewag winner 400)
- Removing safety-critical parts like safety pins or catches

Surface Treatments:

Do not apply surface coatings such as hot-dip galvanizing or electro-galvanizing to pewag chain slings. If surface treatment is necessary, always consult the pewag service department beforehand.

Chemical Treatments:

Processes like dipping or chemical stripping of coatings can introduce serious risks. These must not be performed without prior consultation.

We strongly recommend contacting the pewag technical team before making any alterations or applying treatments to ensure continued safety and compliance.

Restrictions of use

For hazardous conditions, please refer to the "Restrictions on Use" table for guidance.

- **Temperature effects**
  Load reduction factors for elevated temperatures are listed in the table and apply until the components return to room temperature. Do not use pewag lifting components outside the specified temperature range.
  If components have been exposed to temperatures beyond the allowable limits, they must be immediately removed from service.

- **Chemical Exposure:**
  pewag lifting components must not be used in environments containing acids, alkalis, or chemicals, nor should they be exposed to their fumes.

Important Safety Notice
Certain industrial processes may release acids or hazardous fumes.

In high-risk environments—such as offshore operations, lifting of personnel, or handling potentially dangerous loads (e.g., molten metals, corrosive substances, or nuclear materials)—the Working Load Limit (WLL) must be adjusted based on the specific risk level. This assessment and adjustment must be carried out by qualified and trained personnel.

Hazardous conditions must always be avoided to ensure the safety of both personnel and equipment.

Spare parts

Spare parts must only be replaced by trained personnel with the appropriate skills and expertise.
Only genuine pewag spare parts are permitted for use.

Maintenance, Evaluation, Repair, Transportation

Prevention is better than cure!
The safety and longevity of pewag lifting components depend on proper use and regular maintenance. Over time, operational conditions can affect their integrity, making routine inspection, cleaning, and evaluation essential.

Maintenance Guidelines: Components should be cleaned regularly. After use in wet or corrosive environments, they must be dried and lightly oiled to prevent rust and corrosion.

Initial Inspection Before First Use Before: using any pewag component for the first time, verify the following:

- The components match the items ordered
- Test certificates and/or declarations of compliance and conformity are present
- Markings and load capacities on the components match the documentation
- Product details are recorded in a tracking system
- This manual is available and has been read and understood by all relevant personnel

Inspection Before Each Use: Operators must inspect components before every use to ensure they are in good working condition.

Pay close attention to:

- Visible damage
- Signs of wear
- Any conditions that meet the discard criteria
- If there is any doubt, the component must be removed from service immediately and evaluated by trained personnel.

Evaluation Procedures:

- Components must be clean and free from oil, dirt, and rust before inspection.
- Painting is only allowed if it does not obstruct visual evaluation.
- Prohibited cleaning methods include:
- Pickling (may cause embrittlement)
- Burning (overheating)
- Sandblasting (abrasion)
- Defects such as cracks must not be concealed.
- Ensure adequate lighting during inspection and examine the entire lifting chain thoroughly.

Inspection and Evaluation After Unforeseen Incidents: In the event of an unforeseen incident—such as an accident, overheating, overloading, collision, or exposure to acids or chemicals—pewag lifting components must be immediately removed from service and evaluated by qualified personnel. Continued use without proper assessment may compromise safety.

Periodic Inspections by Trained Personnel: Routine inspections must be conducted by trained personnel in accordance with national regulations.

Unless otherwise specified, inspections should occur at least once every twelve months.

This interval should be shortened under the following conditions:

- Frequent use at or near maximum load capacity
- Exposure to harsh environments or corrosive substances
- Signs of increased wear or corrosion

Inspections must include both visual and functional assessments.

After long periods in storage, the components should be checked thoroughly by trained personnel before initial use especially if the date for inspection has been exceeded or the product was stored incorrectly - see below.

Post-Storage Inspection: If components have been stored for an extended period, especially beyond the scheduled inspection date or under improper conditions, a thorough inspection by trained personnel is required before initial use.

Load Testing Requirements: A load, visual, and functional test must be performed by trained personnel at least every two years.
This interval should be shortened for components in frequent or demanding use.

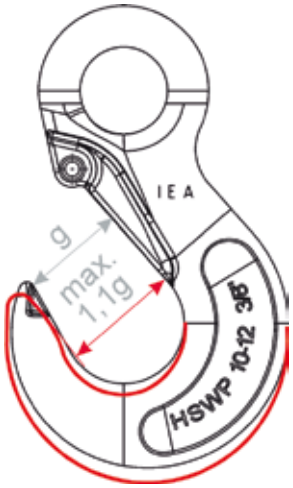
- The load test should be conducted at twice the Working Load Limit (WLL).
- Alternatively, a crack detection test may be performed using methods such as: Magnetic particle inspection or Dye penetrant testing

Note: Load test intervals may vary depending on national regulatory requirements.

Visual inspection criteria

If any of the following conditions are identified during a visual inspection, the affected component must be immediately removed from service and referred to qualified personnel for evaluation:

- Fracture or breakage of any component
- Missing or illegible markings, including load capacity or identification details
- Unrecognizable identification or traceability markings Distortion of suspension components or accessories
- Cuts, notches, grooves, or cracks, especially those oriented across the direction of tension, as they may lead to sudden failure
- Severe corrosion, such as pitting, heat discoloration, damage to surface coatings, or signs of unauthorized welding
- Missing or defective safety features, including evidence of hook over-extension
- The hook opening must not exceed 10% of its nominal dimension
- A displaced or swing-out safety catch is a clear indication of overloading



Maximum allowable dimensional deviations relative to the nominal dimension.

Designation	Dimensions	Admissible deviation
Links AW, MW, VAW	d	-10 %
	t	+10 %
Hooks HSW, HSR, LHW, WLH(B)W, WSBW, FW	e	+5 %
	d2 and h	-10 %
	g	+10 %
Hooks LHW, WLH(B)W	opening hook	2 x s max.
Shackle GSCHW	Movable bolt	No changes permitted
	e	+5%
	d2	-10%

Repairs

Repairs must only be carried out by qualified personnel with the necessary skills and expertise.
Minor surface damage such as small cuts, notches, or grooves may be carefully removed by grinding or filing. After repair, the treated area must blend smoothly with the surrounding material, without abrupt changes in cross-section.
The material dimensions must not be reduced by more than 10%, and discard criteria must not apply after the repair.

Prohibited Actions: Welding, heat treatment, or straightening of bent components is strictly forbidden. Surface coatings such as hot-dip or electro-galvanizing must not be applied unless approved by pewag.

Documentation: All inspections and repair activities must be recorded and retained for the entire service life of the component.

Storing and Transportation

Proper Storage: Lifting components not in use should be stored on designated racks or frames, not piled on the floor, as improper storage can lead to damage.

Wire Rope Slings on Crane Hooks: If an unloaded wire rope sling remains on the crane hook, the end hook must be secured into the master link, or alternatively, the end links must be properly seated in the crane hook. This helps prevent sling legs from swinging freely or becoming unintentionally detached.

Long-Term Storage: For extended periods of non-use, components should be cleaned, dried, and lightly oiled or otherwise protected against corrosion before being stored.

Post-Storage Inspection: If components have been stored for a long time without regular inspections, or if they were stored improperly, a thorough inspection must be performed before reuse to ensure they are safe and fully functional.

Comprehensive operating instructions for high-quality pewag products are available for download at www.pewag.com.
Our continuous improvement process ensures that all product information remains current.
Always refer to the latest version to ensure safe and proper use.

The pewag winner offshore and pewag winner inox G6 plus product lines include a range of high-quality wire rope fittings designed with a safety factor of 5, suitable for demanding lifting applications.

pewag winner offshore – Wire Rope Fittings
AOS – Master link for single- and double-leg wire rope slings
AOS-FZN – Galvanized Master link assembly for single- and double-leg wire rope slings
VOS – Master link assembly for triple- and four-leg wire rope slings
VOS-FZN – Galvanized Master link assembly for triple- and four-leg wire rope slings

pewag winner inox G6 plus – Stainless Steel Wire Rope Fittings
AWI – Master link for single- and double-leg wire rope slings
VAWI – Master link assembly for triple- and four-leg wire rope slings
For detailed product descriptions and technical specifications, please refer to the pewag winner offshore folder or the pewag winner inox G6 plus catalog.

Simply scan the QR code provided in the catalog to access the latest information.

Terms and Conditions

Terms: Net 30 days - Credit must be established with pewag Inc.
All other - cash in advance.

- **Freight policy**

USA & Canada pewag Inc. shipments, over 1,500 lbs. or $4,000.00 within the continental United States or Provincial Canada are prepaid. Carrier at the discretion of pewag. Shipments under 1,500 lbs. or $4,000.00 will be prepaid and added to the invoice. Minimum order of $25.00. For all shipments to Canada, customer will be responsible for duties and taxes.

- **Prices:**

All prices are shown in US Dollars, order will be accepted subject to prevailing prices at time of order. Prices are subject to change without notice.

- **Return goods:**

pewag Inc.: Please note that we will accept returns only after a return merchandise authorization has been obtained. Items must be in new condition, unused in original packaging, with manuals and certifications. NO merchandise will be accepted without prior written authorization. Items must be returned to pewag within 120 days from the day shipped - NO returns accepted after 120 days. All returns are subject to a 25% (35% if manuals and certifications are not returned) restocking/handling charge, which will be deducted from the amount of the credit memo. Returned shipments must be prepaid. Collect or unauthorized shipments will be refused.

- **Chain slings and specialty/custome items:**

Specialty items, cut chain, and chain slings are custom items and are NONRETURNABLE, NONCANCELLABLE, and NONREFUNDABLE.

- **For all other pewag terms and conditions of sale:**

https://www.pewagchain.com/footer/service/terms-and-conditions/

Disclaimer for Printed Literature:

The information contained in our catalog is to be used only as a guide to assist with product selection.

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pewag winner inox - stainless steel chain system G6 plus

pewag winner offshore - for extreme lifting applications

Notes

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