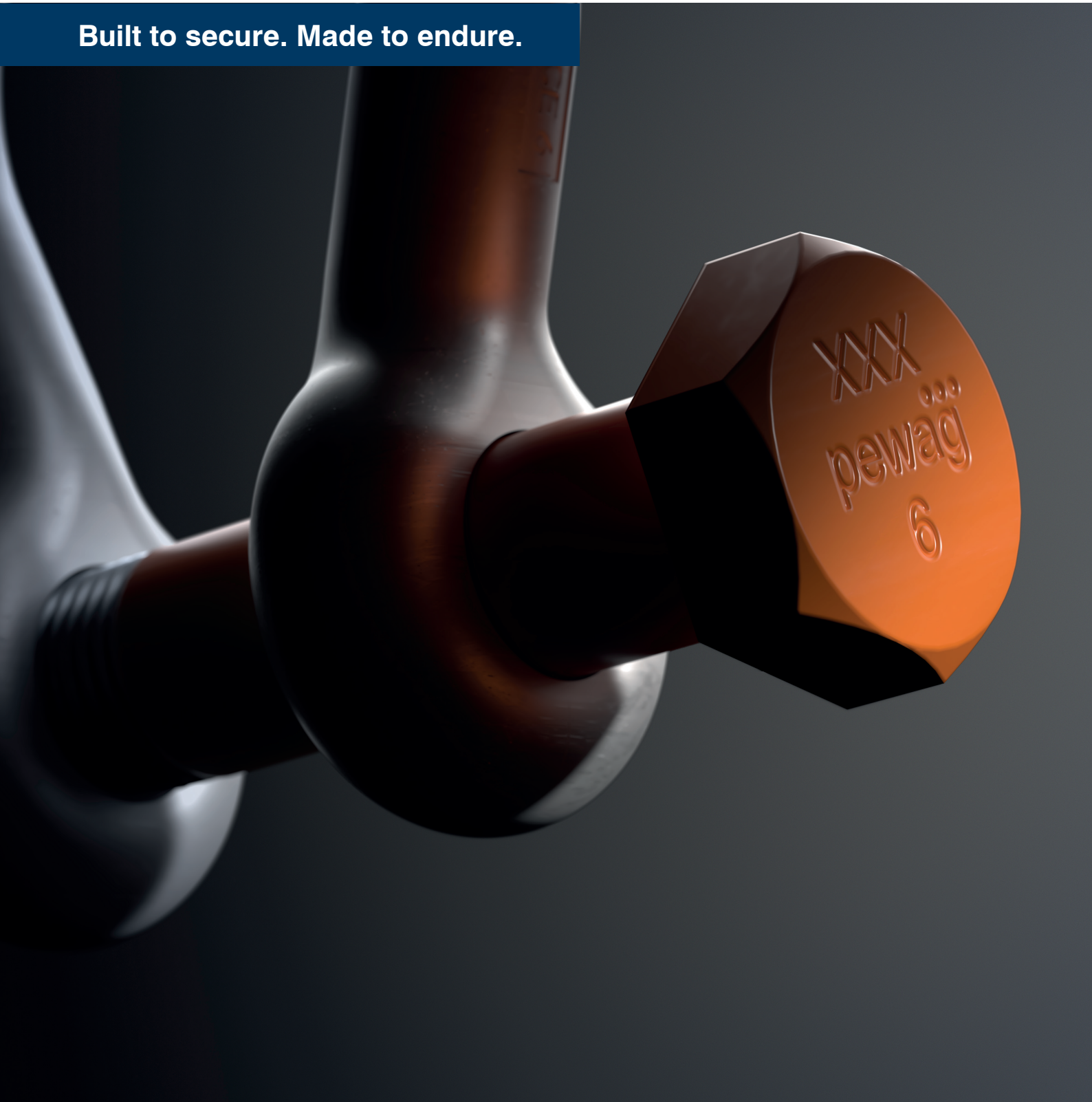
pewag
lifting solutions

pewag shackles

Built to secure. Made to endure.



English EN

Content

General Information

pewag shackles are durable load-bearing connectors featuring a removable pin, ideal for rigging and load securement. They enable quick, secure attachment and detachment of lifting slings, chains, or ropes to loads. Manufactured from high-quality alloy steel and produced under strict quality control, pewag shackles deliver consistent performance, traceability, and compliance with major U.S. and international standards.

Shackles can be used in a variety of different applications, including:

- Lifting
- Towing or pulling
- Rigging
- Hoisting
- Tie-down


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

We are part of the **pewag group**

pewag lifting solutions is part of an internationally operating group of companies. Our success story goes back to the year 1479.

WHAT DRIVES US

Through our entrepreneurial spirit - shaped by the joy of innovation - we strive to offer the best solutions for the market. Today and in the future.

The high quality of our brands, products and services, as well as the passionate commitment of our employees are our most valuable assets to exceed customer expectations and to live up to our corporate responsibility towards people and environment.

LEADING TO EXCELLENCE

striving for excellence in QUALITY

The values of the pewag group brands are demonstrated by our first-class quality and continuous innovation. You can rely on us.

striving for excellence in RESPONSIBILITY

Our goal is CO_2 neutral production by 2030. We live sustainable and fair partnerships and an open way of working together. We take on social as well as environmental responsibility.

striving for excellence in ENTREPRENEURSHIP

Through the specific expertise of each individual and decentralized responsibilities, we ensure healthy growth and a sustainably successful future.

striving for excellence in TECHNOLOGY

We ensure our technological strength by striving for quality, continuous improvement and innovation of our products and production processes.

FROM AUSTRIA....

1479
First documentary mention of the forge

1787
Foundation of the chain forge in Kapfenberg

1803
Foundation of the location in Graz

1836
Establishment of an iron casting plant in Brückl

1912
Production of the first pewag snow chain

2009
pewag develops into an international group of companies

2021
Extensive investment in renewable energies. Goal: CO_2-neutral production by 2030

....ACROSS THE GLOBE

IN A SUSTAINABLE WAY

Social Excellence

The corporate ethics of the pewag group are based on our clear commitment to universal human rights. As a globally active group of companies, we bear a social and corporative responsibility. This applies in particular to our employees. Their occupational safety and health protection are our top priority. We promote their personal and professional development and foster a culture of open, honest, non-discriminatory and team-oriented exchange based on transparent communication. We apply the same standards in our dealings with customers, suppliers and other business partners.

Environmental Excellence

We are committed to a careful and sustainable approach to the environment. This applies to all areas and activities of our group of companies. For us, it is a matter of course to use resources as efficiently as possible and to ensure this also in the future through new environmentally friendly and efficient processes. We are continuously working to optimize the durability and recyclability of our products. In this context, one of our core concerns is to continuously improve our energy efficiency and thus reduce energy consumption in the long term. The energy we use comes from renewable energy sources and is already partly generated by ourselves.

WHAT DEFINES US

Snow and forestry chains

Hoist and conveyor chains

Do-it-yourself

Engineering

Lifting solutions

Tire protection chains

Our Expertise.

Our international brands have an extensive and diverse range of products and services.

The portfolio ranges from traction chains for tires, tire protection chains for mining vehicles over a wide range of technical chains and innovative lifting solutions up to products for the do-it-yourself area as well as forming technology.

Our Network.

With over 50 locations on five continents, the pewag group forms a global platform of product specialists, partners and suppliers.

This community is strengthened by a large network of external experts from science, research and development and a wide range of brands and companies within the group.

Our Experience.

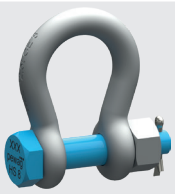
Based on centuries of experience, genuine craftsmanship and innovative technologies we process the highest quality materials with the claim to offer the best solutions on the market.

What unites us as people within the pewag group is the strong ambition for continuous development.

Comparison of pewag shackles

				
	P210 **Bow shackle with screw pin**	**P215** **Bow shackle with bolt, nut, and cotter pin**	**P220** **Dee shackle with screw pin**	**P225** **Dee shackle with bolt, nut, and cotter pin**
WLL Min.	2	2	2	2
WLL Max.	55	85	55	85
Safety Factor	6:1	6:1	6:1	6:1
-20°C / -4°F	✓	✓	✓	✓
-40°C / -40°F	✓	✓	✓	✓
-60°C / -76°F				
Grade 6	✓	✓	✓	✓
Grade 8				
Screw Pin	✓		✓	
BNC		✓		✓
Temporary lifting	✓		✓	
Dynamic Vibration Resistant		✓		✓
Single leg			✓	✓
Multi leg	✓	✓		
EN 13889 [1)]	✓	✓	✓	✓
ASME B30.26	✓	✓	✓	✓
ISO 2415	✓	✓	✓	✓
US Fed. Spec. RR-C-271	✓	✓	✓	✓
Online Certificates	✓	✓	✓	✓

[1)] **applies only up to 25 t**

			
P415 **Bow shackle Plus with bolt, nut, and cotter pin**	**P615** **Bow shackle Star with bolt, nut, and cotter pin**	**P213** **Fishing Bow shackle with screw pin**	**P223** **Fishing Dee shackle with screw pin**
3.3	2	2	2
85	85	25	25
5:1	7:1*	6:1	6:1
✓	✓	✓	✓
	✓	✓	✓
	✓		
		✓	✓
✓	✓		
		✓	✓
✓	✓		
		✓	✓
✓	✓		
			✓
✓	✓	✓	
	✓	✓	✓
✓	✓	✓	✓
	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

* 6:1 for sizes 55/85t

Working Load Limits

Shackle Type		Code	Type	Pin	Grade
Base		P210	Bow	Screw pin	Grade 6
		P215	Bow	BNC	Grade 6
		P220	Dee	Screw pin	Grade 6
		P225	Dee	BNC	Grade 6
Plus		P415	Bow	BNC	Grade 8
Star		P615	Bow	BNC	Grade 8
Fishing		P213	Bow	Screw pin	Grade 6
		P223	Dee	Screw pin	Grade 6

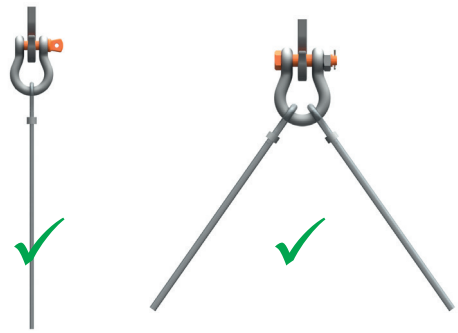
SHACKLE GEOMETRY DIFFERENCES: BOW VS. DEE

Bow Shackle

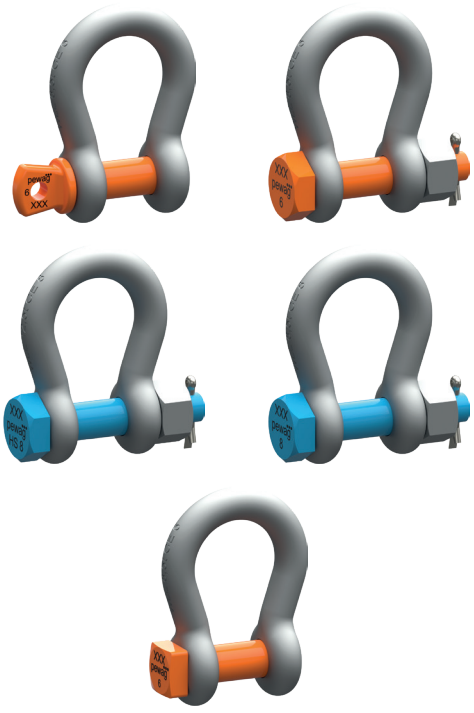
Bow shackles support single and multi-leg attachment.

Applications:
- Marine & Offshore: Towing, anchoring, mooring lines
- Construction: Connecting lifting slings
- Entertainment Rigging: Suspending trusses and lighting equipment

Advantage: The bow design supports multiple connections and accommodates angled loading.



The bow shackle is permitted for use with single-leg or two-leg systems.



WLL [t]													
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	35	42.5	55	-
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	35	42.5	55	85
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	35	42.5	55	-
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	35	42.5	55	85
3.3	5	7	9.5	12.5	15	18	21	30	40	-	55	-	85
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	35	42.5	55	85
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	-	-	-	-
2	3.25	4.75	6.5	8.5	9.5	12	13.5	17	25	-	-	-	-

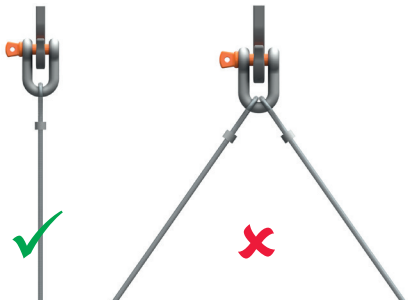
DEE

Dee Shackle

Dee shackles are mainly used in single-leg systems

Applications:
- Industrial Lifting: Single-direction lifting or straight-line pulls
- Transportation: Securing loads on trailers
- Manufacturing Plants: Handling machine parts

Advantage: Optimized for straight-line pulls with minimal side loading, providing greater strength.



The dee shackle is only permitted for use with single-leg systems.

P210

Bow shackle with screw pin (P210)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 55t
- **Safety factor**
  6:1
- **Hot dip galvanized bow and screw pin**
- **Powder coated screw pin**

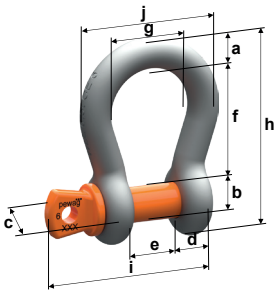
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVA class 2, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.3	0.8
3.25	5/8	16	3/4	19	0.4	1.5
4.75	3/4	19	7/8	22	0.7	2.3
6.5	7/8	22	1	25	1.0	3.4
8.5	1	25	1 1/8	28	1.4	5.0
9.5	1 1/8	28	1 1/4	32	2.0	7.2
12	1 1/4	32	1 3/8	35	2.6	9.8
13.5	1 3/8	35	1 1/2	38	3.6	13.1
17	1 1/2	38	1 5/8	42	4.5	16.9
25	1 3/4	45	2	50	7.9	28.7
35	2	50	2 1/4	57	11.1	38.4
42.5	2 1/4	57	2 1/2	65	15.9	57.5
55	2 1/2	65	2 3/4	70	20.7	82.1



	Dimensions									
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	g [in]	h [in]	i [in]	j [in]
2	0.51	0.63	1.26	0.51	0.87	2.05	1.30	3.50	2.99	2.32
3.25	0.63	0.75	1.57	0.63	1.06	2.56	1.69	4.37	3.58	2.95
4.75	0.75	0.87	1.81	0.75	1.22	3.03	2.01	5.12	4.13	3.50
6.5	0.87	1.00	2.05	0.87	1.42	3.31	2.28	5.69	4.76	4.02
8.5	0.98	1.10	2.32	0.98	1.69	3.78	2.68	6.48	5.43	4.65
9.5	1.10	1.26	2.64	1.10	1.85	4.29	2.95	7.36	6.10	5.16
12	1.26	1.38	2.87	1.26	2.01	4.57	3.27	7.93	6.77	5.79
13.5	1.38	1.50	3.15	1.38	2.24	5.28	3.62	8.98	7.44	6.38
17	1.50	1.65	3.46	1.50	2.36	5.79	3.90	9.84	8.03	6.89
25	1.77	1.97	4.09	1.77	2.91	7.09	4.96	11.87	9.57	8.50
35	1.97	2.25	4.41	1.97	3.27	7.80	5.43	13.09	10.67	9.37
42.5	2.24	2.56	5.12	2.24	3.74	8.86	6.30	14.94	12.20	10.79
55	2.56	2.76	5.71	2.56	4.13	10.31	7.09	17.11	13.50	12.20

[1] applies only up to 25 t


P215

Bow shackle with bolt, nut and cotter pin (P215)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 85t
- **Safety factor**
  6:1
- **Hot dip galvanized bow, bolt and nut**
- **Powder coated bolt**

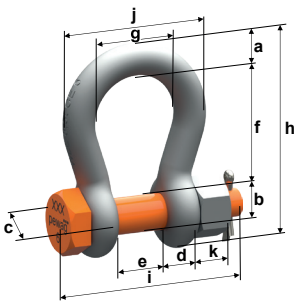
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVA class 3, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.3	0.9
3.25	5/8	16	3/4	19	0.6	1.7
4.75	3/4	19	7/8	22	0.8	2.7
6.5	7/8	22	1	25	1.4	4.2
8.5	1	25	1 1/8	28	2.0	6.2
9.5	1 1/8	28	1 1/4	32	2.7	8.6
12	1 1/4	32	1 3/8	35	3.6	11.7
13.5	1 3/8	35	1 1/2	38	4.7	15.4
17	1 1/2	38	1 5/8	42	5.8	18.9
25	1 3/4	45	2	50	10.1	32.2
35	2	50	2 1/4	57	13.8	42.9
42.5	2 1/4	57	2 1/2	65	19.5	63.8
55	2 1/2	65	2 3/4	70	24.4	89.4
85	3	75	3 1/4	83	37.9	137.5



	Dimensions										
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	g [in]	h [in]	i [in]	j [in]	k [in]
2	0.51	0.63	1.26	0.51	0.87	2.05	1.30	3.50	3.31	2.32	max. 0.56
3.25	0.63	0.75	1.57	0.63	1.06	2.56	1.69	4.37	4.02	2.95	max. 0.76
4.75	0.75	0.87	1.81	0.75	1.22	3.03	2.01	5.12	4.53	3.50	max. 0.78
6.5	0.87	1.00	2.05	0.87	1.42	3.31	2.28	5.69	5.31	4.02	max. 1.01
8.5	0.98	1.10	2.32	0.98	1.69	3.78	2.68	6.48	6.10	4.65	max. 1.14
9.5	1.10	1.26	2.64	1.10	1.85	4.29	2.95	7.36	6.77	5.16	max. 1.25
12	1.26	1.38	2.87	1.26	2.01	4.57	3.27	7.93	7.48	5.79	max. 1.38
13.5	1.38	1.50	3.15	1.38	2.24	5.28	3.62	8.98	8.15	6.38	max. 1.50
17	1.50	1.65	3.46	1.50	2.36	5.79	3.90	9.84	8.23	6.89	max. 0.94
25	1.77	1.97	4.06	1.77	2.91	7.09	4.96	11.87	9.84	8.50	max. 1.14
35	1.97	2.25	4.41	1.97	3.27	7.80	5.43	13.09	10.87	9.37	max. 1.27
42.5	2.24	2.56	5.12	2.24	3.74	8.86	6.30	14.94	12.28	10.79	max. 1.43
55	2.56	2.76	5.71	2.56	4.13	10.31	7.09	17.11	13.50	12.20	max. 1.56
85	2.95	3.27	6.38	2.95	5.00	13.03	7.48	20.83	15.55	13.39	max. 1.81

[1] applies only up to 25 t

P220

Dee shackle with screw pin (P220)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 55t
- **Safety factor**
  6:1
- **Hot dip galvanized bow and screw pin**
- **Powder coated screw pin**

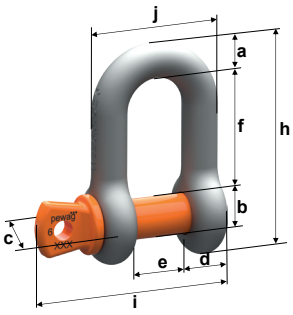
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVB class 2, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.3	0.8
3.25	5/8	16	3/4	19	0.4	1.5
4.75	3/4	19	7/8	22	0.7	2.3
6.5	7/8	22	1	25	1.0	3.4
8.5	1	25	1 1/8	28	1.4	5.0
9.5	1 1/8	28	1 1/4	32	2.0	7.2
12	1 1/4	32	1 3/8	35	2.6	9.8
13.5	1 3/8	35	1 1/2	38	3.6	13.1
17	1 1/2	38	1 5/8	42	4.5	16.9
25	1 3/4	45	2	50	7.9	28.7
35	2	50	2 1/4	57	11.1	38.4
42.5	2 1/4	57	2 1/2	65	15.9	57.5
55	2 1/2	65	2 3/4	70	20.7	82.1



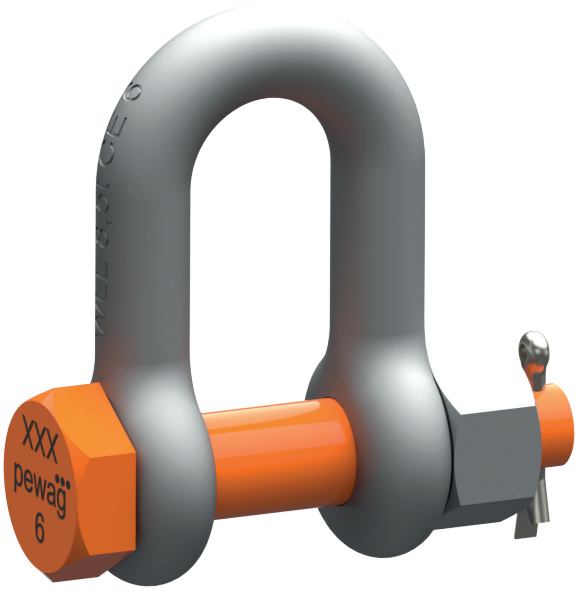
	Dimensions								
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	h [in]	i [in]	j [in]
2	0.51	0.63	1.26	0.51	0.87	1.69	3.15	2.99	1.89
3.25	0.63	0.75	1.57	0.63	1.06	2.01	3.80	3.58	2.32
4.75	0.75	0.87	1.81	0.75	1.22	2.32	4.41	4.13	2.72
6.5	0.87	0.98	2.05	0.87	1.42	2.87	5.26	4.76	3.15
8.5	0.98	1.10	2.32	0.98	1.69	3.35	6.04	5.43	3.66
9.5	1.10	1.26	2.64	1.10	1.85	3.54	6.59	6.10	4.06
12	1.26	1.38	2.87	1.26	2.01	3.74	7.13	6.77	4.53
13.5	1.38	1.50	3.15	1.38	2.24	4.57	8.27	7.44	5.00
17	1.50	1.65	3.46	1.50	2.36	5.04	9.09	8.03	5.35
25	1.77	1.97	4.09	1.77	2.91	5.94	10.75	9.57	6.46
35	1.97	2.24	4.41	1.97	3.27	6.77	12.07	10.67	7.20
42.5	2.24	2.56	5.12	2.24	3.74	7.60	13.68	12.20	8.23
55	2.56	2.76	5.71	2.56	4.13	8.07	14.86	13.50	9.25

[1] applies only up to 25 t


P225

Dee shackle with bolt, nut and cotter pin (P225)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 85t
- **Safety factor**
  6:1
- **Hot dip galvanized bow, bolt and nut**
- **Powder coated bolt**



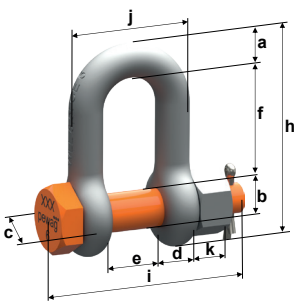
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVB class 3, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.3	0.8
3.25	5/8	16	3/4	19	0.6	1.8
4.75	3/4	19	7/8	22	0.8	2.5
6.5	7/8	22	1	25	1.4	3.7
8.5	1	25	1 1/8	28	2.0	5.7
9.5	1 1/8	28	1 1/4	32	2.7	7.9
12	1 1/4	32	1 3/8	35	3.6	10.8
13.5	1 3/8	35	1 1/2	38	4.7	14.6
17	1 1/2	38	1 5/8	42	5.8	17.6
25	1 3/4	45	2	50	10.1	29.9
35	2	50	2 1/4	57	13.8	39.7
42.5	2 1/4	57	2 1/2	65	19.5	58.8
55	2 1/2	65	2 3/4	70	24.4	79.4
85	3	75	3 1/4	83	37.9	118.9



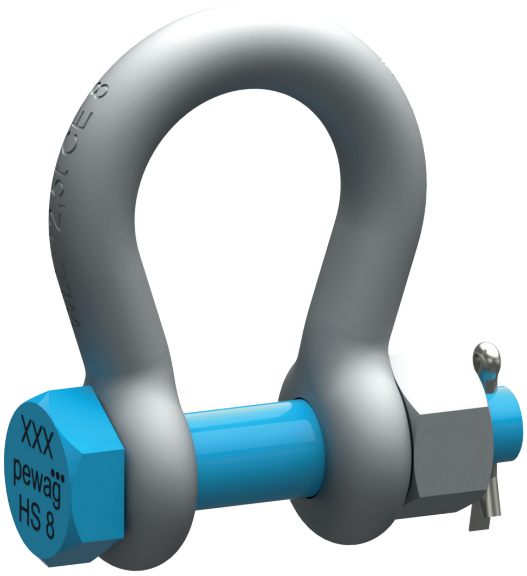
	Dimensions									
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	h [in]	i [in]	j [in]	k [in]
2	0.51	0.63	1.26	0.51	0.87	1.69	3.15	3.31	1.89	max. 0.56
3.25	0.63	0.75	1.57	0.63	1.06	2.01	3.80	4.02	2.32	max. 0.76
4.75	0.75	0.87	1.81	0.75	1.22	2.32	4.41	4.53	2.72	max. 0.78
6.5	0.87	0.98	2.05	0.87	1.42	2.87	5.26	5.31	3.15	max. 1.01
8.5	0.98	1.10	2.32	0.98	1.69	3.35	6.04	6.10	3.66	max. 1.14
9.5	1.10	1.26	2.64	1.10	1.85	3.54	6.59	6.77	4.06	max. 1.25
12	1.26	1.38	2.87	1.26	2.01	3.74	7.13	7.48	4.53	max. 1.38
13.5	1.38	1.50	3.15	1.38	2.24	4.57	8.27	8.15	5.00	max. 1.50
17	1.50	1.65	3.46	1.50	2.36	5.04	9.09	8.23	5.35	max. 0.94
25	1.77	1.97	4.09	1.77	2.91	5.94	10.75	9.84	6.46	max. 1.14
35	1.97	2.24	4.41	1.97	3.27	6.77	12.07	10.87	7.20	max. 1.27
42.5	2.24	2.56	5.12	2.24	3.74	7.60	13.68	12.28	8.23	max. 1.43
55	2.56	2.76	5.71	2.56	4.13	8.07	14.86	13.50	9.25	max. 1.56
85	2.95	3.27	6.38	2.95	5.00	9.06	16.83	15.55	10.91	max. 1.81

[1] applies only up to 25 t


P415

Bow shackle PLUS with bolt, nut and cotter pin (P415)

- **Grade 8**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  3.3t - 85t
- **Safety factor**
  5:1
- **Hot dip galvanized bow, bolt and nut**
- **Powder coated bolt**
- **Higher strength allows smaller dimensions and reduced weight for same WLL**



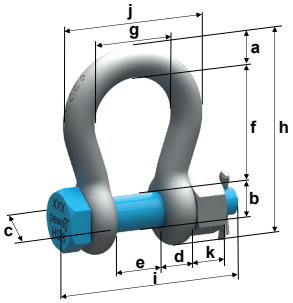
Temperature

°C -20 °C to + 200 °C
°F -4 °F to + 392 °F

Standards

ASME B30.26 | **RR-C**-271 Type IVA class 3, grade B

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
3.3	1/2	13	5/8	16	0.3	0.9
5	5/8	16	3/4	19	0.6	1.8
7	3/4	19	7/8	22	0.8	2.7
9.5	7/8	22	1	25	1.4	4.2
12.5	1	25	1 1/8	28	2.0	5.9
15	1 1/8	28	1 1/4	32	2.7	8.6
18	1 1/4	32	1 3/8	35	3.6	11.8
21	1 3/8	35	1 1/2	38	4.7	15.0
30	1 1/2	38	1 5/8	42	5.8	18.9
40	1 3/4	45	2	50	10.1	32.2
55	2	57	2 1/4	57	14.5	52.5
85	2 1/2	70	2 1/2	70	24.8	97.7

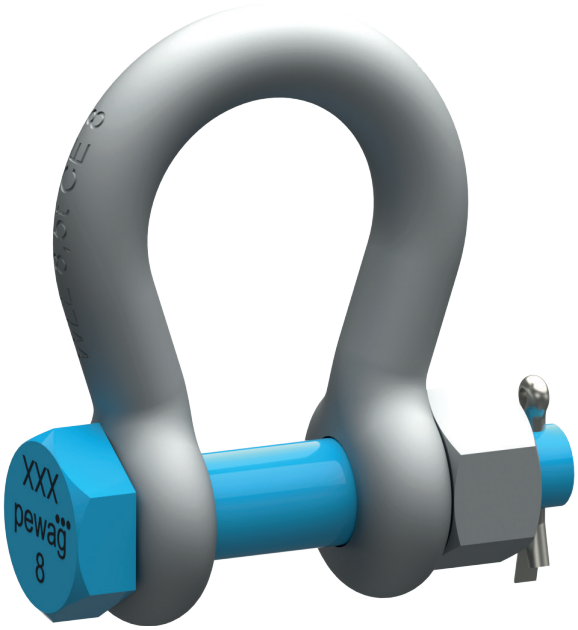


	Dimensions										
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	g [in]	h [in]	i [in]	j [in]	k [in]
3.3	0.51	0.63	1.26	0.51	0.87	2.05	1.30	3.50	3.31	2.32	max. 0.56
5	0.63	0.75	1.57	0.63	1.06	2.56	1.69	4.37	4.02	2.95	max. 0.76
7	0.75	0.87	1.81	0.75	1.22	3.03	2.01	5.12	4.53	3.50	max. 0.78
9.5	0.87	1.00	2.05	0.87	1.42	3.31	2.28	5.69	5.31	4.02	max. 1.01
12.5	0.98	1.10	2.32	0.98	1.69	3.78	2.68	6.48	6.10	4.65	max. 1.14
15	1.10	1.26	2.64	1.10	1.85	4.29	2.95	7.36	6.77	5.16	max. 1.25
18	1.26	1.38	2.87	1.26	2.01	4.57	3.27	7.93	7.48	5.79	max. 1.38
21	1.38	1.50	3.15	1.38	2.24	5.28	3.62	8.98	8.15	6.38	max. 1.5
30	1.50	1.65	3.46	1.50	2.36	5.79	3.90	9.84	8.23	6.89	max. 0.94
40	1.77	1.97	4.06	1.77	2.91	7.09	4.96	11.87	9.84	8.50	max. 1.14
55	2.00	2.24	4.69	2.24	3.27	7.87	5.43	13.58	11.54	9.92	max. 1.27
85	2.76	2.76	5.71	2.76	4.13	10.35	7.09	17.34	13.86	12.60	max. 1.56


P6115

Bow shackle STAR with bolt, nut and cotter pin (P615)

- **Grade 8**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 85t
- **Safety factor**
  7:1 (6:1 for sizes 55/85t)
- **Hot dip galvanized bow, bolt and nut**
- **Powder coated bolt**
- **Suitable for low operating temperature conditions from -60 °C (-76 °F)**



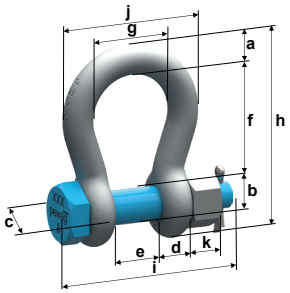
Temperature

°C -60 °C to + 200 °C
°F -76 °F to + 392 °F

Standards

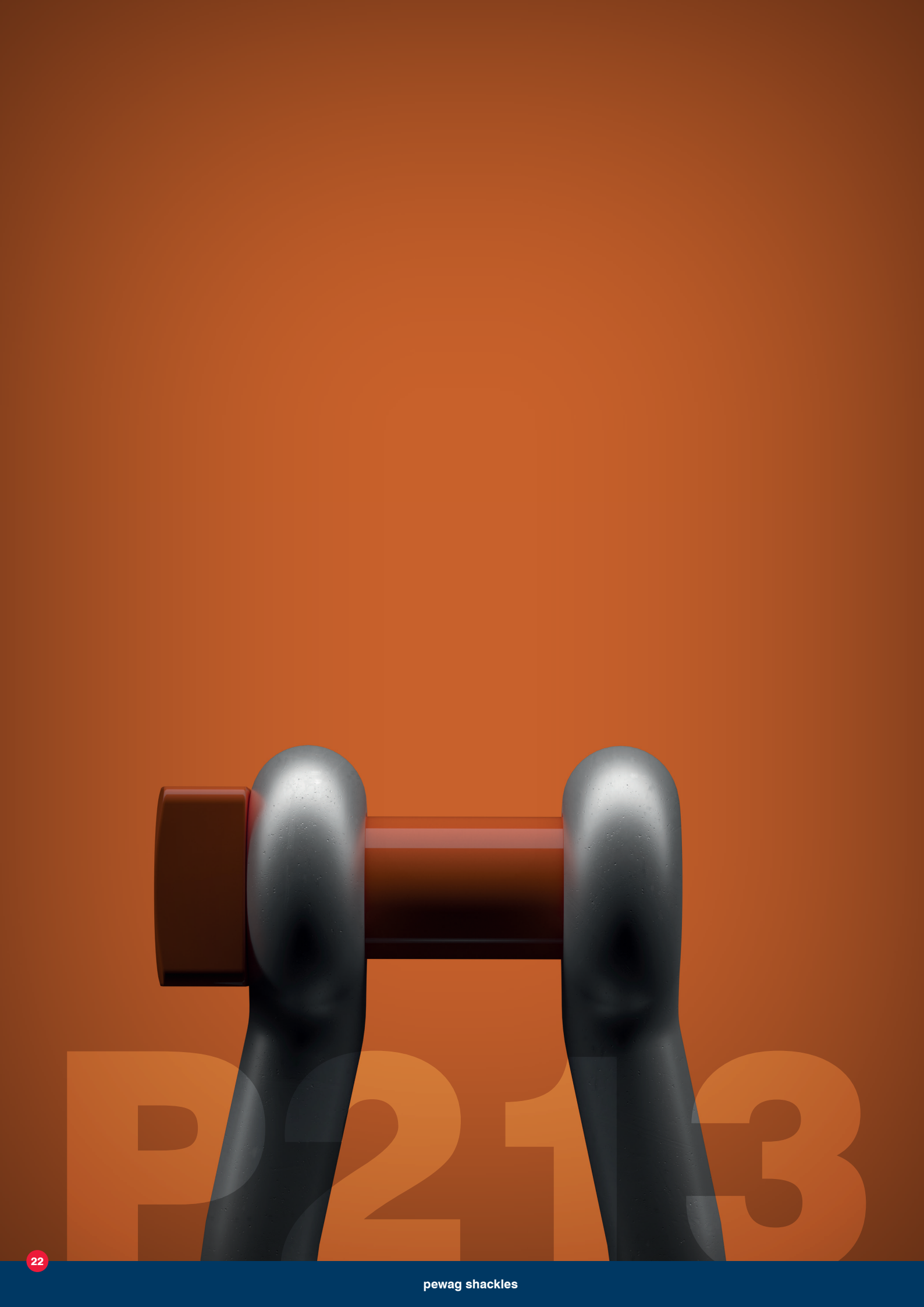
EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVA class 3, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.3	0.9
3.25	5/8	16	3/4	19	0.6	1.7
4.75	3/4	19	7/8	22	0.8	2.7
6.5	7/8	22	1	25	1.4	4.2
8.5	1	25	1 1/8	28	2.0	6.2
9.5	1 1/8	28	1 1/4	32	2.7	8.6
12	1 1/4	32	1 3/8	35	3.6	11.7
13.5	1 3/8	35	1 1/2	38	4.7	15.4
17	1 1/2	38	1 5/8	42	5.8	18.9
25	1 3/4	45	2	50	10.1	32.2
35	2	50	2 1/4	57	13.8	42.9
42.5	2 1/4	57	2 1/2	65	19.5	63.8
55	2 1/2	65	2 3/4	70	24.4	89.4
85	3	75	3 1/4	83	37.9	137.5



	Dimensions										
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	g [in]	h [in]	i [in]	j [in]	k [in]
2	0.51	0.63	1.26	0.51	0.87	2.05	1.30	3.50	3.31	2.32	max. 0.56
3.25	0.63	0.75	1.57	0.63	1.06	2.56	1.69	4.37	4.02	2.95	max. 0.76
4.75	0.75	0.87	1.81	0.75	1.22	3.03	2.01	5.12	4.53	3.50	max. 0.78
6.5	0.87	1.00	2.05	0.87	1.42	3.31	2.28	5.69	5.31	4.02	max. 1.01
8.5	0.98	1.10	2.32	0.98	1.69	3.78	2.68	6.48	6.10	4.65	max. 1.14
9.5	1.10	1.26	2.64	1.10	1.85	4.29	2.95	7.36	6.77	5.16	max. 1.25
12	1.26	1.38	2.87	1.26	2.01	4.57	3.27	7.93	7.48	5.79	max. 1.38
13.5	1.38	1.50	3.15	1.38	2.24	5.28	3.62	8.98	8.15	6.38	max. 1.50
17	1.50	1.65	3.46	1.50	2.36	5.79	3.90	9.84	8.23	6.89	max. 0.94
25	1.77	1.97	4.06	1.77	2.91	7.09	4.96	11.87	9.84	8.50	max. 1.14
35	1.97	2.25	4.41	1.97	3.27	7.80	5.43	13.09	10.87	9.37	max. 1.27
42.5	2.24	2.56	5.12	2.24	3.74	8.86	6.30	14.94	12.28	10.79	max. 1.43
55	2.56	2.76	5.71	2.56	4.13	10.31	7.09	17.11	13.50	12.20	max. 1.56
85	2.95	3.27	6.38	2.95	5.00	13.03	7.48	20.83	15.55	13.39	max. 1.81

[1] applies only up to 25 t


P213

Fishing Bow shackle with screw pin (P213)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 55t
- **Safety factor**
  6:1
- **Hot dip galvanized bow and screw pin**
- **Powder coated screw pin**

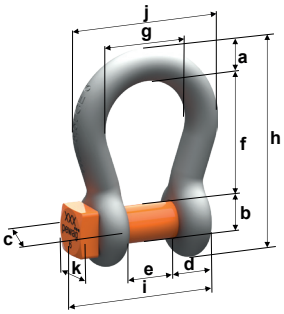
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVA class 2, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.2	0.8
3.25	5/8	16	3/4	19	0.4	1.5
4.75	3/4	19	7/8	22	0.7	2.3
6.5	7/8	22	1	25	0.9	3.3
8.5	1	25	1 1/8	28	1.3	4.9
9.5	1 1/8	28	1 1/4	32	1.9	7.0
12	1 1/4	32	1 3/8	35	2.9	9.9
13.5	1 3/8	35	1 1/2	38	3.4	12.9
17	1 1/2	38	1 3/4	42	5.0	17.3
25	1 3/4	45	2	50	7.5	28.3



	Dimensions										
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	g [in]	h [in]	i [in]	j [in]	k [in]
2	0.51	0.63	1.26	0.51	0.87	2.05	1.30	3.50	2.28	2.32	0.87
3.25	0.63	0.75	1.57	0.63	1.06	2.56	1.69	4.37	2.80	2.95	1.06
4.75	0.75	0.87	1.81	0.75	1.22	3.03	2.01	5.12	3.23	3.50	1.26
6.5	0.87	1.00	2.05	0.87	1.42	3.31	2.28	5.69	3.66	4.02	1.26
8.5	0.98	1.10	2.32	0.98	1.69	3.78	2.68	6.48	4.25	4.65	1.42
9.5	1.10	1.26	2.64	1.10	1.85	4.29	2.95	7.36	4.72	5.16	1.61
12	1.26	1.38	2.87	1.26	2.01	4.57	3.27	7.93	5.39	5.79	1.97
13.5	1.38	1.50	3.15	1.38	2.24	5.28	3.62	8.98	5.87	6.38	1.97
17	1.50	1.65	3.46	1.50	2.36	5.79	3.90	9.84	6.46	6.89	2.36
25	1.77	1.97	4.09	1.77	2.91	7.09	4.96	11.87	7.56	8.50	2.36

[1] applies only up to 25 t

P223

Fishing Dee shackle with screw pin (P223)

- **Grade 6**
- **Certificates**
  EN 10204 Type 3.1
- **Working Load Limit (WLL) Range**
  2t - 25t
- **Safety factor**
  6:1
- **Hot dip galvanized bow and screw pin**
- **Powder coated bolt**

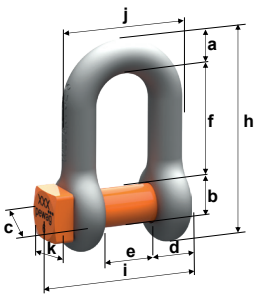
Temperature

°C -40 °C to + 200 °C
°F -40 °F to + 392 °F

Standards

EN 13889 [1] | **ASME** B30.26 | **ISO** 2415
RR-C-271 Type IVB class 2, grade A

Working load limit	Bow diameter		Pin diameter		Weight of pin	Weight
[t]	[in]	[mm]	[in]	[mm]	[lb]	[lb]
2	1/2	13	5/8	16	0.2	0.7
3.25	5/8	16	3/4	19	0.4	1.3
4.75	3/4	19	7/8	22	0.7	2.1
6.5	7/8	22	1	25	0.9	3.1
8.5	1	25	1 1/8	28	1.3	4.5
9.5	1 1/8	28	1 1/4	32	1.9	6.4
12	1 1/4	32	1 3/8	35	2.9	9.0
13.5	1 3/8	35	1 1/2	38	3.4	11.9
17	1 1/2	38	1 3/4	42	5.0	16.0
25	1 3/4	45	2	50	7.5	25.6



	Dimensions									
Working load limit [t]	a [in]	b [in]	c [in]	d [in]	e [in]	f [in]	h [in]	i [in]	j [in]	k [in]
2	0.51	0.63	1.26	0.51	0.87	1.69	3.15	2.28	1.89	0.87
3.25	0.63	0.75	1.57	0.63	1.06	2.01	3.80	2.80	2.32	1.06
4.75	0.75	0.87	1.81	0.75	1.22	2.32	4.41	3.23	2.72	1.26
6.5	0.87	0.98	2.05	0.87	1.42	2.87	5.26	3.66	3.15	1.26
8.5	0.98	1.10	2.32	0.98	1.69	3.35	6.04	4.25	3.66	1.42
9.5	1.10	1.26	2.64	1.10	1.85	3.54	6.59	4.72	4.06	1.61
12	1.26	1.38	2.87	1.26	2.01	3.74	7.13	5.39	4.53	1.97
13.5	1.38	1.50	3.15	1.38	2.24	4.57	8.27	5.87	5.00	1.97
17	1.50	1.65	3.46	1.50	2.36	5.04	9.09	6.46	5.35	2.36
25	1.77	1.97	4.09	1.77	2.91	5.94	10.75	7.56	6.46	2.36

[1] applies only up to 25 t

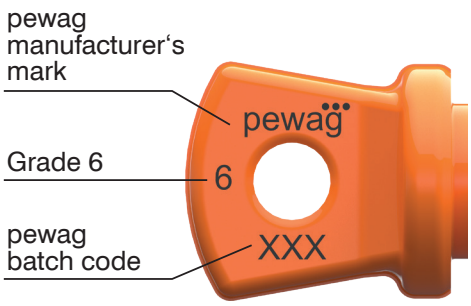
Shackle with Screw Pin

Closure:
Removable screw-threaded pin

Surface:
- Hot dip galvanized screw pin
- Powder coated screw pin

Applications:
- Temporary lifting operations: Quick rigging and de-rigging
- Utility work: Fast field connections
- Entertainment rigging: Rapid setup for trusses and equipment

Advantage:
Simple to use, easy to remove or reposition quickly



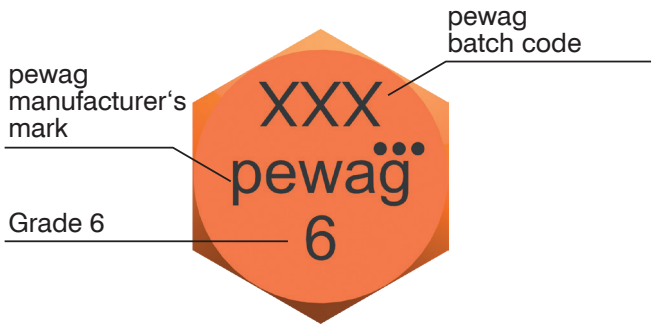
Shackle with BNC

Closure:
Bolt secured with nut and cotter pin

Application:
- Permanent or semi-permanent setups where pin security is critical
- Mining and oil & gas: Heavy-duty operations
- Marine towing: Prevents loosening under vibration

Surface:
- Hot-dip galvanized bolt and nut
- Powder-coated bolt

Advantage:
Exceptional security under vibration and dynamic loads



Fishing Shackle

Fishing Shackles Overview:
Designed for harsh marine environments, fishing shackles are essential for connecting, securing, and bearing heavy loads in commercial and industrial fishing operations. Built for strength and reliability, they are widely used in net rigging, trawl gear, and securing fishing equipment.

Key Feature:
The square-head screw pin fits standard tools on fishing vessels, ensuring a secure fit and reducing the risk of slippage or loosening under tough conditions.

Applications:
- Connecting trawl net components
- Attaching mooring lines, anchor chains, or buoys
- Hoisting nets, catches, or heavy gear with cranes or winches
- Securing buoys, floats, or markers to gear or mooring systems

High Strength

Material:
Crafted from high-strength Grade 8 steel, offering superior strength that allows for smaller dimensions and reduced weight while maintaining the same working load limit.

Applications:
- Lifting large equipment or components in confined spaces (e.g., turbine housings, engine rooms, construction pits)
- Handling heavy yet delicate equipment in restricted or controlled environments
- Hoisting large ship hull sections or engines in narrow bays
- Attaching to vehicles, cranes, or tanks for towing or lifting where connection points are fixed and limited in size

Critical for mobile operations such as crane work, offshore winches, and transport

Low temperature

Shackle P615 is engineered for extreme cold, this shackle performs reliably at operating temperatures down to -60°C.

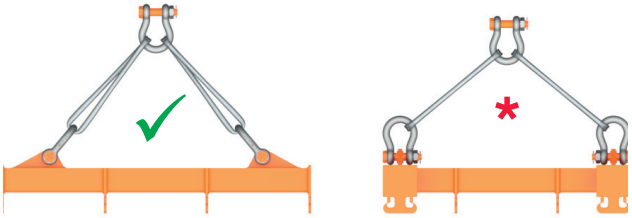
Low-Temperature Toughness maintains impact strength even in severe cold, preventing brittleness and breakage where standard shackles could fail.

Applications:
- Lifting and securing equipment at polar research stations, ice roads, or remote airfields
- Rigging and mooring on offshore platforms in cold regions (North Sea, Alaska, Siberia)
- Handling turbine blades, towers, or nacelles in icy, high-wind environments
- Towing, mooring, or load handling in ports affected by sea ice
- Operations in avalanche zones, frozen terrain, or cold-weather disaster response

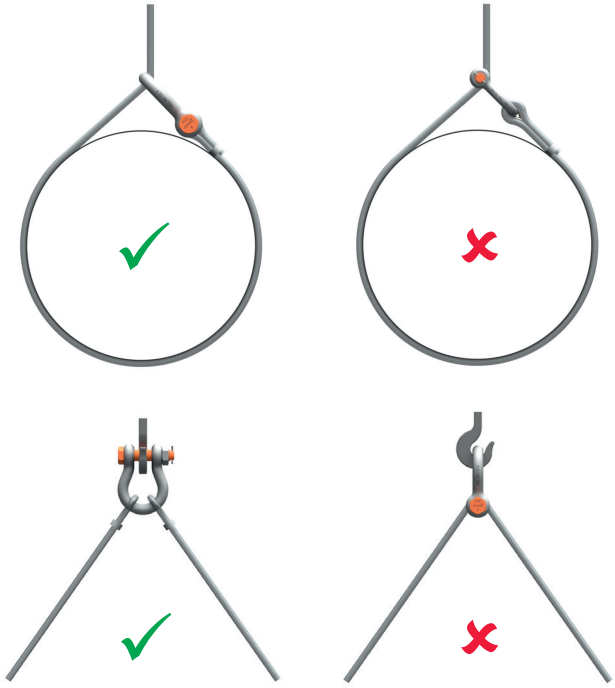
Safety instructions

Instruction for use

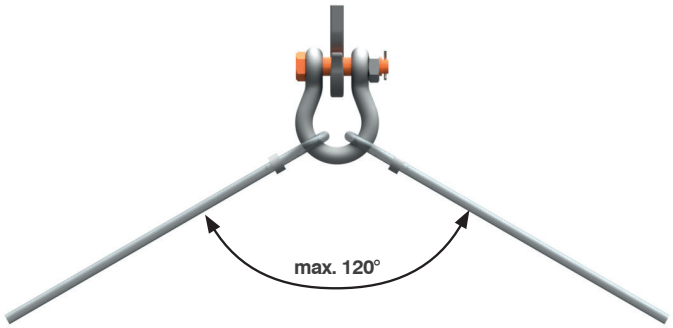
When using the shackle, ensure that it carries the load correctly, i.e., along the axis of the shackle's centerline. Avoid using the shackle in applications where the bolt could rotate due to movement (e.g. movement of the load or the rope) and thus unintentionally loosen. If load movement is unavoidable, if the shackle is to remain mounted for an extended period, or if a particularly high level of bolt retention is required, use a shackle with a bolt, nut, and cotter pin.



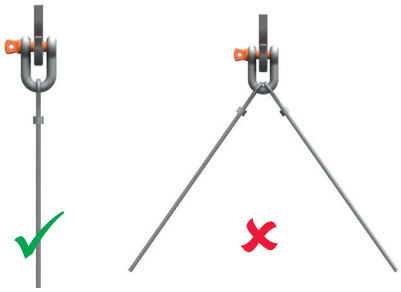
* WLL must be reduced - see table "Reduction of load-bearing capacity depending on the direction of load"



When shackles are used with multiple legs, the angle between the legs must not exceed 120°, and the legs must be positioned within the shackle bow. Furthermore, only bow shackles must be used in such cases.

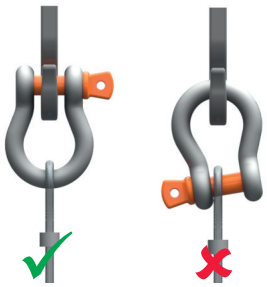


Attaching multi-leg systems to dee shackles is prohibited.



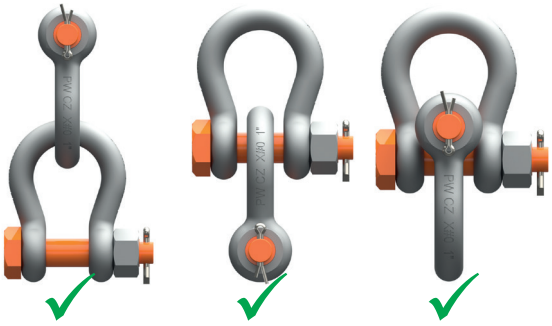
Side Loads

To avoid eccentric loading of the shackle, a loose spacer can be used at both ends of the shackle pin. Reducing the width between the shackle eyes by bending the legs or welding on spacers or washers is not permitted, as this affects the shackle's working load limit.

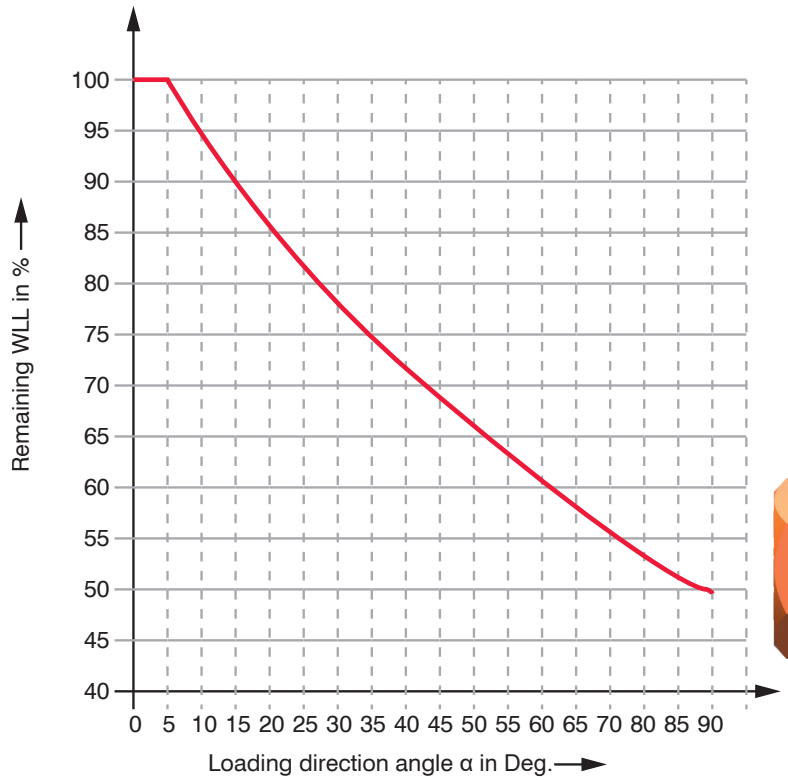


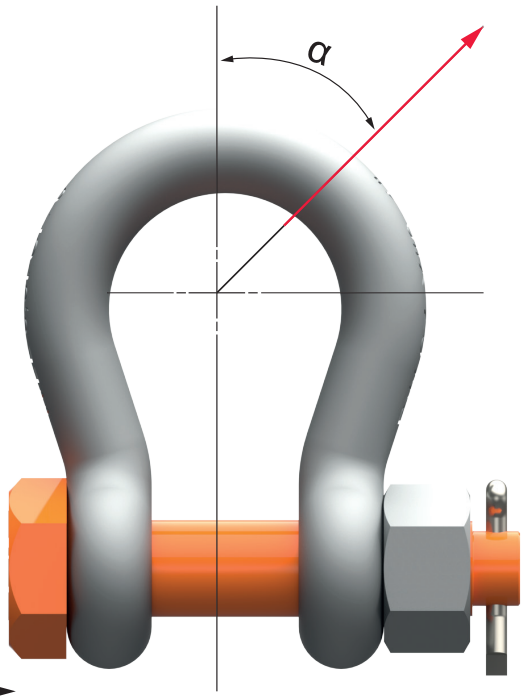
Point loading

Point loading of pewag shackles is permissible as shown below, however the minimum dimension of the rounded component to be lifted should be equal to or larger than the shackle bow diameter of the shackle used.
The maximum load on the configuration is limited by the component with the lowest working load limit. Contact with sharp-edged surfaces is not permitted.



Reduction of working load limit depending on the direction of load



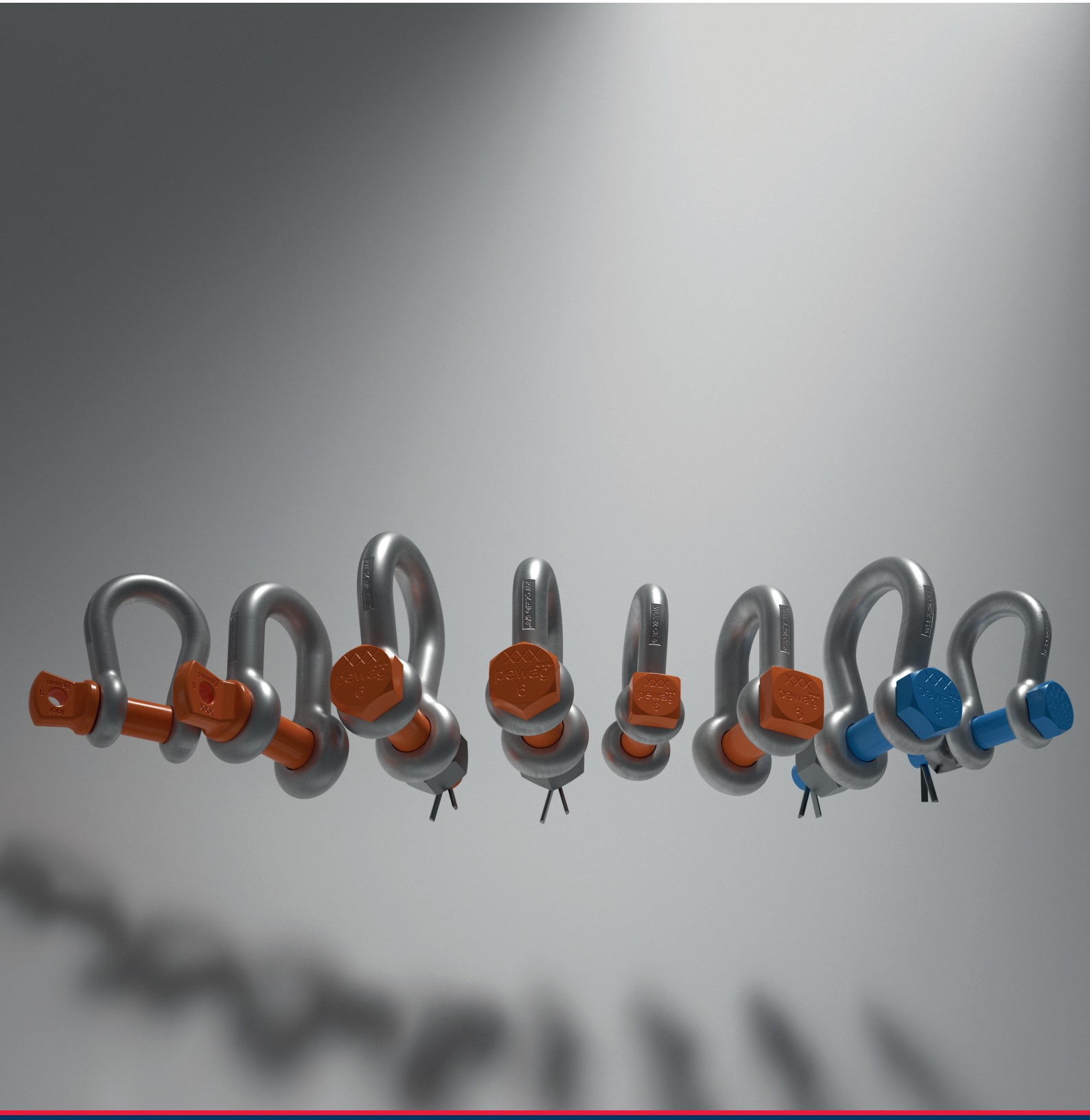


Notes

FO/26/00496

pewag austria GmbH
A-8041 Graz, Gaslaternenweg 4, Phone: +43 316 6070-0, Fax: +43 316 6070-100,
saleinfo@pewag.com, **www.pewag.com**

www.pewag.com



EN English