Pengsheng Forging

Focus on crane hook production for decades

CRANE HOOK

CRANE HOOK

Crane hooks are an important part of hoisting equipment. Various types of crane hooks are used in different industrial fields.

Our crane hooks are designed, manufactured, and tested in strict compliance with the DIN. The use of a sophisticated forging process significantly enhances the metal's plasticity and mechanical properties of the material. With good service life and mechanical properties. Used in a variety of fields, whether working in building construction, warehouses, or manufacturing facilities, our crane hooks can safely and efficiently handle heavy loads, provide stable and reliable support, and make your work easier and more efficient.

Our hooks are made by forging process, by applying pressure to shape the metal billet at high temperature, the workers keep rotating the metal next to it to change its shape and size, so that the organization becomes tight, to ensure the continuity of the metal fiber organization, and the metal flow line integrity can ensure that the hooks have good mechanical properties and service life. Ensure the stable operation of the hook under complex working conditions. It can easily withstand a large weight.

The forging process has good mechanical properties, making the organization dense, improving the strength, and increasing the service life. Compared with other processes, it has many advantages.

All crane hooks are equipped with safety latches of a thickened design.

Every crane hooks undergo strict safety testing, including ultrasonic flaw detection and magnetic particle flaw detection for non-destructive examination, and also mechanical property tests such as tensile test, impact test, and hardness test to ensure the safety and reliability of the hooks.

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As a professional crane hook manufacturer with a wide range of specifications, we offer a wide range of customization options for design services, whether you need to have a specific load capacity, hook shank length, forging method, we can design and manufacture a customized solution that fits your needs and meets the needs of our customers.

We have a full line of hook products, support hook machining to customer specifications, and offer a complete line of accessories, including matching nuts, bearings, and beams, to be assembled into the customer's structure as required. Also, we can provide complete hook block assembly and hook block for any type of crane with many customization options.

DIN 15400 Drive Groups

This table specifies the drive group as a function of hook strength class and the lifting capacity as a function of hook number.

Strength class	Drive Group										Strength class
M ISO/FEM	—	—	—	—	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7	5m/M8	M ISO/FEM
P ISO/FEM	—	—	—	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7	5m/M8	—	P ISO/FEM
S ISO/FEM	—	—	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7	5m/M8	—	—	S ISO/FEM
T ISO/FEM	—	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7	5m/M8	—	—	—	T ISO/FEM
V ISO/FEM	1Bm/M3	1Am/M4	2m/M5	3m/M6	4m/M7	5m/M8	—	—	—	—	V ISO/FEM
Hook number	Lifting capacity，in kg										Hook number
1.6	8.000	6.300	5.000	4.000	3.200	2.500	2.000	1.600	1.250	1.000	1.6
2.5	12.500	10.000	8.000	6.300	5.000	4.000	3.200	2.500	2.000	1.600	2.5
4	20.000	16.000	12.500	10.000	8.000	6.300	5.000	4.000	3.200	2.500	4
5	25.000	20.000	16.000	12.500	10.000	8.000	6.300	5.000	4.000	3.200	5
6	32.000	25.000	20.000	16.000	12.500	10.000	8.000	6.300	5.000	4.000	6
8	40.000	32.000	25.000	20.000	16.000	12.500	10.000	8.000	6.300	5.000	8
10	50.000	40.000	32.000	25.000	20.000	16.000	12.500	10.000	8.000	6.300	10
12	63.000	50.000	40.000	32.000	25.000	20.000	16.000	12.500	10.000	8.000	12
16	80.000	63.000	50.000	40.000	32.000	25.000	20.000	16.000	12.500	10.000	16
20	100.000	80.000	63.000	50.000	40.000	32.000	25.000	20.000	16.000	12.500	20
25	125.000	100.000	80.000	63.000	50.000	40.000	32.000	25.000	20.000	16.000	25
32	160.000	125.000	100.000	80.000	63.000	50.000	40.000	32.000	25.000	20.000	32
40	200.000	160.000	125.000	100.000	80.000	63.000	50.000	40.000	32.000	25.000	40
50	250.000	200.000	160.000	125.000	100.000	80.000	63.000	50.000	40.000	32.000	50
63	320.000	250.000	200.000	160.000	125.000	100.000	80.000	63.000	50.000	40.000	63
80	400.000	320.000	250.000	200.000	160.000	125.000	100.000	80.000	63.000	50.000	80
100	500.000	400.000	320.000	250.000	200.000	160.000	125.000	100.000	80.000	63.000	100
125	—	500.000	400.000	320.000	250.000	200.000	160.000	125.000	100.000	80.000	125
160	—	—	500.000	400.000	320.000	250.000	200.000	160.000	125.000	100.000	160
200	—	—	—	500.000	400.000	320.000	250.000	200.000	160.000	125.000	200
250	—	—	—	—	500.000	400.000	320.000	250.000	200.000	160.000	250

Material Grade Table for Crane Hooks

The corresponding steel grade used for crane hooks.

Hook Number	Shank diameter[1]) d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2]) GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285[3])(DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

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SINGLE CRANE HOOKS

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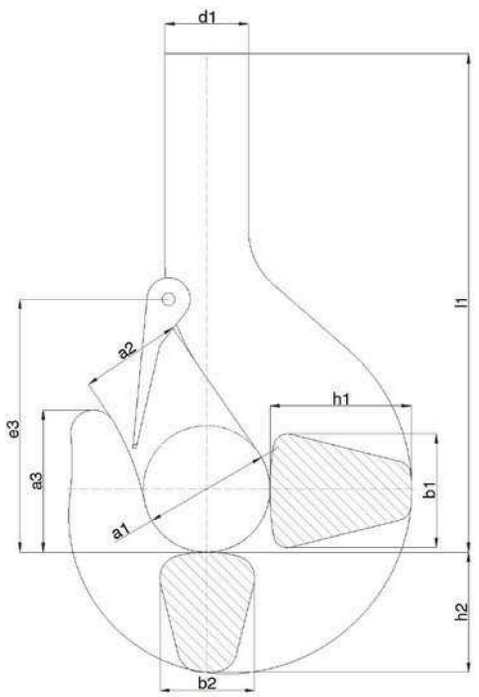
The single crane hook complies with DIN 15401 standards.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285*)(DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 1t-500t.
- Strength class: M,P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)											Weight
No	a1	a2	a3	b1	b2	d1	e3	h1	h2	l1	kg
1.6	56	45	64	45	38	36	118	56	48	224	4.5
2.5	63	50	72	53	45	42	132	67	58	253	6.3
4	71	56	80	63	53	48	148	80	67	285	8.8
5	80	63	90	71	60	53	165	90	75	318	12.3
6	90	71	101	80	67	60	185	100	85	380	17.1
8	100	80	113	90	75	67	210	112	95	418	24
10	112	90	127	100	85	75	221	125	106	460	40
12	125	100	143	112	95	85	252	140	118	525	55
16	140	112	160	125	106	95	280	160	132	595	77
20	160	125	180	140	118	106	330	180	150	665	112
25	180	140	202	160	132	118	360	200	170	735	160
32	200	160	225	180	150	132	400	224	190	810	220
40	224	180	252	200	170	150	447	250	212	905	310
50	250	200	285	224	190	170	485	280	236	990	430
63	280	224	320	250	212	190	550	315	265	1120	600
80	315	250	358	280	236	212	598	355	300	1270	860
100	355	280	402	315	265	236	688	400	335	1415	1220
125	400	315	450	355	300	265	750	450	375	1590	1740
160	450	355	505	400	335	300	825	500	425	1790	2480
200	500	400	565	450	375	335	900	560	475	2048	3420
250	560	450	635	500	425	375	980	630	530	2305	4800

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SINGLE CRANE HOOKS

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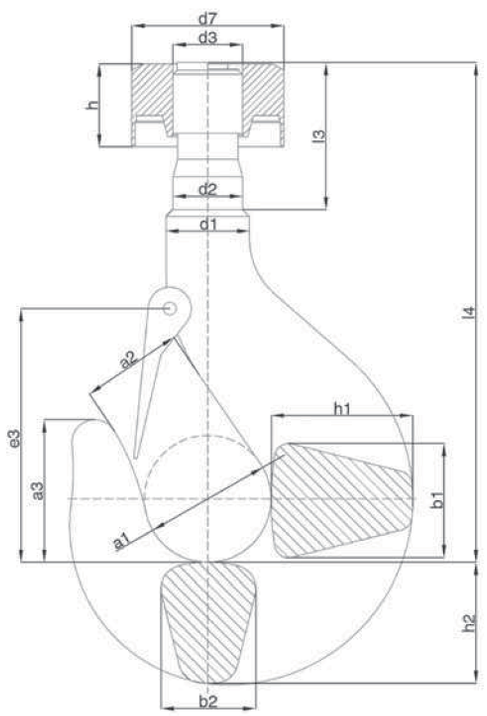
The single crane hook complies with DIN 15401 standards. It is machined and equipped with a crane hook nut.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285[3](DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 1.6t-500t.
- Strength class: M,P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)														DIN15413 Nut		Weight
No	a1	a2	a3	b1	b2	d1	e3	h1	h2	d2 h11	d3	l3	l4	d7	h	kg
2.5	63	50	72	53	45	42	132	67	58	36	M36	83	250	70	44	7.4
4	71	56	80	63	53	48	148	80	67	42	M42	93	281	80	49	10.3
5	80	63	90	71	60	53	165	90	75	45	M45	103	314	95	56	14.4
6	90	71	101	80	67	60	185	100	85	50	Rd50×6	112	375	115	60	20.7
8	100	80	113	90	75	67	210	112	95	56	Rd56×6	122	413	125	67	28.8
10	112	90	127	100	85	75	221	125	106	64	Rd64×8	135	446	145	76	40.9
12	125	100	143	112	95	85	252	140	118	72	Rd72×8	157	504	165	87	65.4
16	140	112	160	125	106	95	280	160	132	80	Rd80×10	170	576	175	91	90
20	160	125	180	140	118	106	330	180	150	90	Rd90×10	187	645	185	102	130
25	180	140	202	160	132	118	360	200	170	100	Rd100×12	207	716	205	113	184
32	200	160	225	180	150	132	400	224	190	110	Rd110×12	232	788	240	131	254
40	224	180	252	200	170	150	447	250	212	125	Rd125×14	257	885	270	144	361
50	250	200	285	224	190	170	485	280	236	140	Rd140×16	280	969	320	153	502
63	280	224	320	250	212	190	550	315	265	160	Rd160×18	322	1100	360	181	700
80	315	250	358	280	236	212	598	355	300	180	Rd180×20	357	1245	400	198	1007
100	355	280	402	315	265	236	688	400	335	200	Rd200×22	402	1388	445	228	1417
125	400	315	450	355	300	265	750	450	375	225	Rd225×24	465	1565	490	246	2026
160	450	355	505	400	335	300	825	500	425	250	Rd250×28	510	1761	530	274	2846
200	500	400	565	450	375	335	900	560	475	280	Rd280×32	613	2012	590	343	3862
250	560	450	635	500	425	375	980	630	530	320	Rd320×36	690	2272	680	383	5411

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SINGLE CRANE HOOKS

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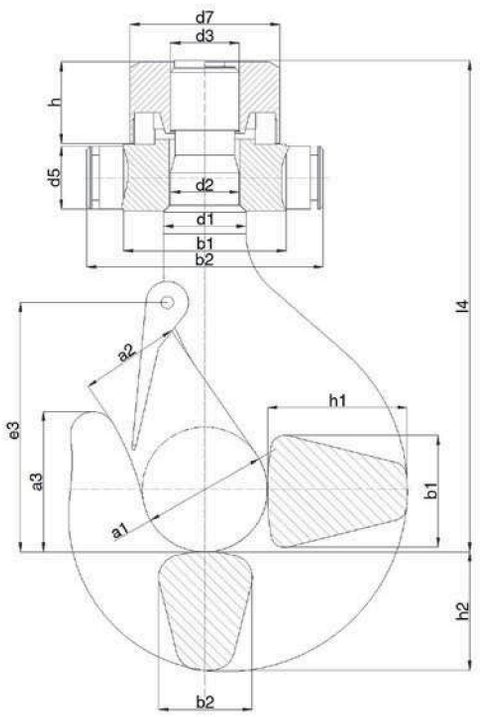
The single crane hook complies with DIN 15401 standards. It is machined and equipped with a crane hook nut and crane hook crosshead.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285*)(DIN) Q345qD/D/G20Mn (GB)	StE-355(DIN) Q345qD/D/G20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/D/G20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 2t-500t.
- Strength class: P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)													DIN15412 Crosshead			DIN15413 Nut		Weight
No	a1	a2	a3	b1	b2	d1	e3	h1	h2	d2 h11	d3	l4	b1	b2	d5 h9	d7	h	kg
2.5	63	50	72	53	45	42	132	67	58	36	M36	250	80	125	30	70	44	9.2
4	71	56	80	63	53	48	148	80	67	42	M42	281	90	140	35	80	49	13
5	80	63	90	71	60	53	165	90	75	45	M45	314	100	155	40	95	56	18.6
6	90	71	101	80	67	60	185	100	85	50	Rd50×6	375	125	185	45	115	60	27.4
8	100	80	113	90	75	67	210	112	95	56	Rd56×6	413	140	210	50	125	67	38
10	112	90	127	100	85	75	221	125	106	64	Rd64×8	446	160	230	55	145	76	54.6
12	125	100	143	112	95	85	252	140	118	72	Rd72×8	504	180	265	60	165	87	85.5
16	140	112	160	125	106	95	280	160	132	80	Rd80×10	576	190	275	70	175	91	114.5
20	160	125	180	140	118	106	330	180	150	90	Rd90×10	645	200	295	80	185	102	158.5
25	180	140	202	160	132	118	360	200	170	100	Rd100×12	716	220	318	90	205	113	222.6
32	200	160	225	180	150	132	400	224	190	110	Rd110×12	788	260	378	100	240	131	315
40	224	180	252	200	170	150	447	250	212	125	Rd125×14	885	285	415	110	270	144	443
50	250	200	285	224	190	170	485	280	236	140	Rd140×16	969	335	465	125	320	153	630
63	280	224	320	250	212	190	550	315	265	160	Rd160×18	1100	380	522	140	360	181	885
80	315	250	358	280	236	212	598	355	300	180	Rd180×20	1245	420	565	160	400	198	1254
100	355	280	402	315	265	236	688	400	335	200	Rd200×22	1388	470	645	180	445	228	1768
125	400	315	450	355	300	265	750	450	375	225	Rd225×24	1565	510	685	200	490	246	2491
160	450	355	505	400	335	300	825	500	425	250	Rd250×28	1761	550	750	220	530	274	3483
200	500	400	565	450	375	335	900	560	475	280	Rd280×32	2012	610	810	240	590	343	4791
250	560	450	635	500	425	375	980	630	530	320	Rd320×36	2272	700	920	260	680	383	6793

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DOUBLE CRANE HOOKS

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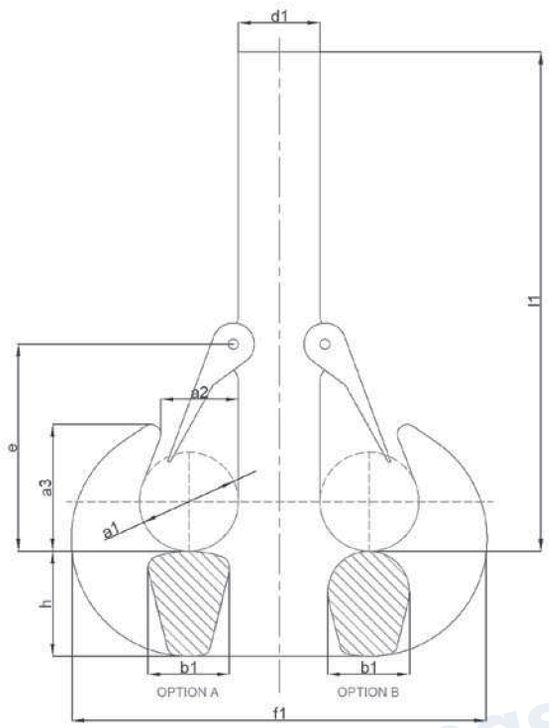
The double crane hook complies with DIN 15402 standards.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285*)(DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 1.25t-500t.
- Strength class: P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)										Weight
No	a1	a2	a3	b1	d1	e	f1	h	l1	kg
1.6	45	36	59	34	36	100	183	43	222	5.3
2.5	50	40	65	40	42	112	208	50	250	6.9
4	56	45	73	48	48	124	238	60	280	9.7
5	63	50	82	53	53	143	266	67	312	13.4
6	71	56	92	60	60	160	301	75	375	16.8
8	80	63	103	67	67	182	337	85	415	25.3
10	90	71	116	75	75	192	377	95	450	36.3
12	100	80	130	85	85	210	421	106	510	50.5
16	112	90	146	95	95	237	471	118	580	71.1
20	125	100	163	106	106	265	531	132	650	99.5
25	140	112	182	118	118	315	598	150	715	138
32	160	125	205	132	132	335	672	170	790	197
40	180	140	230	150	150	375	754	190	885	286
50	200	160	260	170	170	420	842	212	965	394
63	224	180	292	190	190	460	944	236	1090	547
80	250	200	325	212	212	515	1062	265	1235	759
100	280	224	364	236	236	575	1186	300	1375	1060
125	315	250	408	265	265	645	1330	335	1550	1491
160	355	280	458	300	300	725	1505	375	1745	2115
200	400	315	515	335	335	800	1685	425	1998	3015
250	450	355	580	375	375	875	1885	475	2250	4268

pengsheng@pengshengforging.com

DOUBLE CRANE HOOKS

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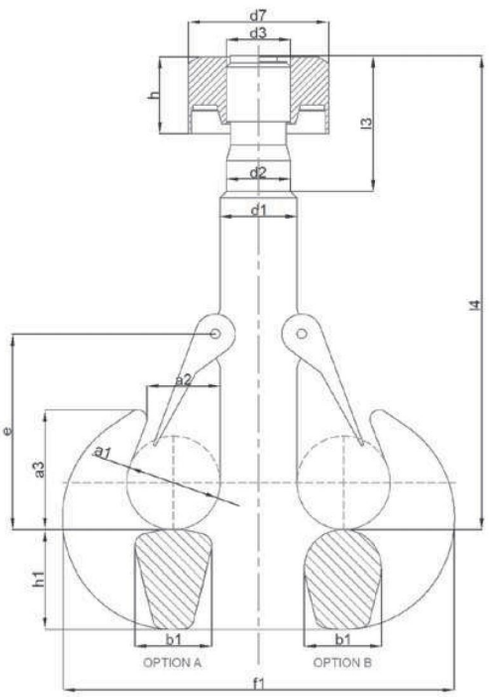
The double crane hook complies with DIN 15402 standards. It is machined and equipped with a crane hook nut.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285*)(DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 2t-500t.
- Strength class: P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)													DIN15413 Nut		Weight
No	a1	a2	a3	b1	d1	e	f1	h	d2 h11	d3	l3	l4	d7	h	kg
2.5	50	40	65	40	42	112	208	50	250	M36	83	243.5	70	44	7.5
4	56	45	73	48	48	124	238	60	280	M42	93	274	80	49	10.6
5	63	50	82	53	53	143	266	67	312	M45	103	306	95	56	14.6
6	71	56	92	60	60	160	301	75	375	Rd50×6	112	365.5	115	60	20.4
8	80	63	103	67	67	182	337	85	415	Rd56×6	122	403	125	67	30.3
10	90	71	116	75	75	192	377	95	450	Rd64×8	135	435	145	76	43.3
12	100	80	130	85	85	210	421	106	510	Rd72×8	157	492	165	87	61
16	112	90	146	95	95	237	471	118	580	Rd80×10	170	562	175	91	84
20	125	100	163	106	106	265	531	132	650	Rd90×10	187	628	185	102	117
25	140	112	182	118	118	315	598	150	715	Rd100×12	207	696	205	113	161
32	160	125	205	132	132	335	672	170	790	Rd110×12	232	768	240	131	230
40	180	140	230	150	150	375	754	190	885	Rd125×14	257	863	270	144	336
50	200	160	260	170	170	420	842	212	965	Rd140×16	280	944	320	153	464
63	224	180	292	190	190	460	944	236	1090	Rd160×18	322	1072	360	181	644
80	250	200	325	212	212	515	1062	265	1235	Rd180×20	357	1212	400	198	901
100	280	224	364	236	236	575	1186	300	1375	Rd200×22	402	1351	445	228	1249
125	315	250	408	265	265	645	1330	335	1550	Rd225×24	465	1522	490	246	1765
160	355	280	458	300	300	725	1505	375	1745	Rd250×28	510	1714	530	274	2463
200	400	315	515	335	335	800	1685	425	1998	Rd280×32	613	1962	590	343	3437
250	450	355	580	375	375	875	1885	475	2250	Rd320×36	690	2217	680	383	4852

psh@pengshengforging.com

DOUBLE CRANE HOOKS

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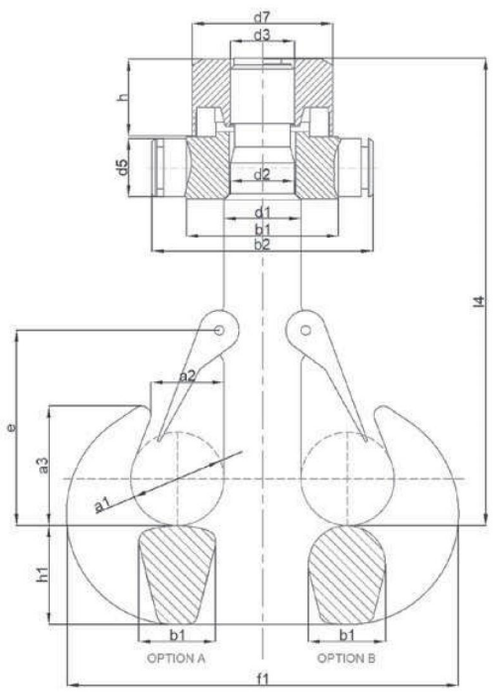
The double crane hook complies with DIN 15402 standards. It is machined and equipped with a crane hook nut and crane hook crosshead.



Hook material reference table

Hook Number	Shank diameter[1]) d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2]) GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285*)(DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 2t-500t.
- Strength class: P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)												DIN15412 Crosshead			DIN15413 Nut		Weight
No	a1	a2	a3	b1	d1	e	f1	h1	d2 h11	d3	l4	b1	b2	d5 h9	d7	h	kg
2.5	50	40	65	40	42	112	208	50	250	M36	244	80	125	30	70	44	9.5
4	56	45	73	48	48	124	238	60	280	M42	274	90	140	35	80	49	13.5
5	63	50	82	53	53	143	266	67	312	M45	306	100	155	40	95	56	20.6
6	71	56	92	60	60	160	301	75	375	Rd50×6	366	125	185	45	115	60	27
8	80	63	103	67	67	182	337	85	415	Rd56×6	403	140	210	50	125	67	39.5
10	90	71	116	75	75	192	377	95	450	Rd64×8	435	160	230	55	145	76	57
12	100	80	130	85	85	210	421	106	510	Rd72×8	492	180	265	60	165	87	81
16	112	90	146	95	95	237	471	118	580	Rd80×10	562	190	275	70	175	91	108
20	125	100	163	106	106	265	531	132	650	Rd90×10	628	200	295	80	185	102	145.5
25	140	112	182	118	118	315	598	150	715	Rd100×12	696	220	318	90	205	113	199.5
32	160	125	205	132	132	335	672	170	790	Rd110×12	768	260	378	100	240	131	291
40	180	140	230	150	150	375	754	190	885	Rd125×14	863	285	415	110	270	144	418
50	200	160	260	170	170	420	842	212	965	Rd140×16	944	335	465	125	320	153	592
63	224	180	292	190	190	460	944	236	1090	Rd160×18	1072	380	522	140	360	181	830
80	250	200	325	212	212	515	1062	265	1235	Rd180×20	1212	420	565	160	400	198	1148
100	280	224	364	236	236	575	1186	300	1375	Rd200×22	1351	470	645	180	445	228	1600
125	315	250	408	265	265	645	1330	335	1550	Rd225×24	1522	510	685	200	490	246	2230
160	355	280	458	300	300	725	1505	375	1745	Rd250×28	1714	550	750	220	530	274	3100
200	400	315	515	335	335	800	1685	425	1998	Rd280×32	1962	610	810	240	590	343	4366
250	450	355	580	375	375	875	1885	475	2250	Rd320×36	2217	700	920	260	680	383	6234

psh@pengshengforging.com

EYE HOOKS

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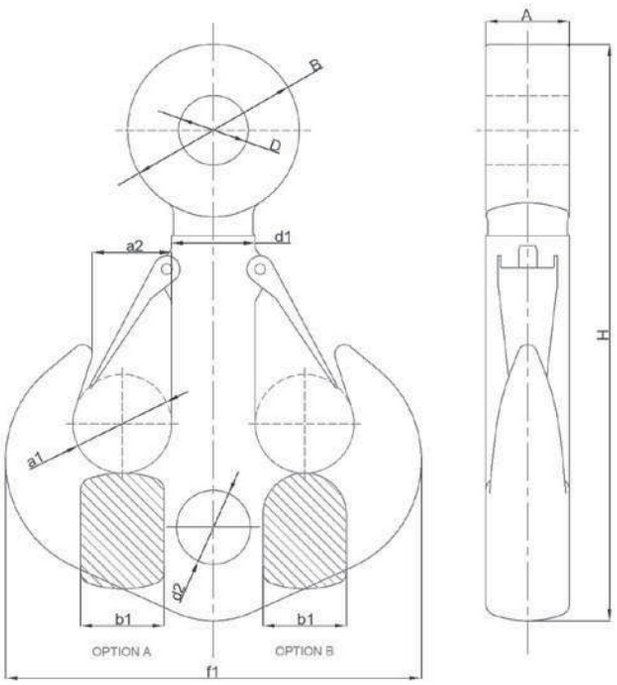
The eye ramshorn hook complies with the DIN 15402-B standard.



Hook material reference table

Hook Number	Shank diameter[1] d1, in mm	Steel as specified in				
		DIN17102 and DIN17103 GB/T714 and JB/T6396		DIN17102, DIN17103 and DIN17200[2] GB/T714 and JB/T6396		
		To be used for hooks of strength class				
		M	P	S	T	V
1.6	36	StE-285[3](DIN) Q345qD/DG20Mn (GB)	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420 34CrMo4(DIN) Q420qD/35CrMo(GB)	34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)
2.5	42					
4	48					
5	53					
6	60					
8	67					
10	75					
12	85					
16	95					
20	106					
25	118					
32	132					
40	150					
50	170	StE-355(DIN) Q345qD/DG20Mn (GB)	StE-420(DIN) Q420qD/35CrMo(GB)	StE-500 34CrMo4(DIN) 35CrMo(GB)	34CrNiMo6(DIN) 34Cr2Ni2Mo(GB)	30CrNiMo8(DIN) 30Cr2Ni2Mo(GB)
63	190					
80	212					
100	236					
125	265					
160	300					
200	335					
250	375					

DIN15400:1990 specifies materials according to DIN17102, DIN17103, and DIN17200
GB10051-2010 specifies materials according to GB/T714 and JB/T6396

- WLL: From 80t-1250t.
- Strength class: P, S, T, V.
- Hooks are forged and heat treated.
- Hooks are equipped with safety latches.

Overall dimensions (mm)													Weight
No	WLL(t)	MBL(t)	a1	a2	b1	d1	d2H15	f1	A	D	B	H	kg
16	80	320	112	90	95	95	86	471	110	87	180	678	84
20	100	400	125	100	106	106	96	531	118	100	210	771	125
25	120	480	140	112	118	118	106	598	134	100	210	862	169
32	150	600	160	125	132	132	116	672	140	114	240	938	236
40	200	800	180	140	150	150	131	754	150	137	290	1080	353
50	250	1000	200	160	170	170	146	842	170	147	310	1201	468
63	300	1200	224	180	190	190	168	944	190	158	330	1308	633
80	400	1600	250	200	212	212	188	1062	205	184	380	1518	898
100	500	2000	280	224	236	236	208	1186	230	194	400	1660	1240
125	600	2400	315	250	265	265	235	1330	280	215	450	1848	1730
160	800	3200	355	280	300	300	260	1505	320	240	500	2034	2442
200	1000	4000	400	315	335	335	282	1685	355	280	580	2300	3490
250	1250	5000	450	355	375	375	312	1885	355	315	650	2553	4855

psh@pengshengforging.com