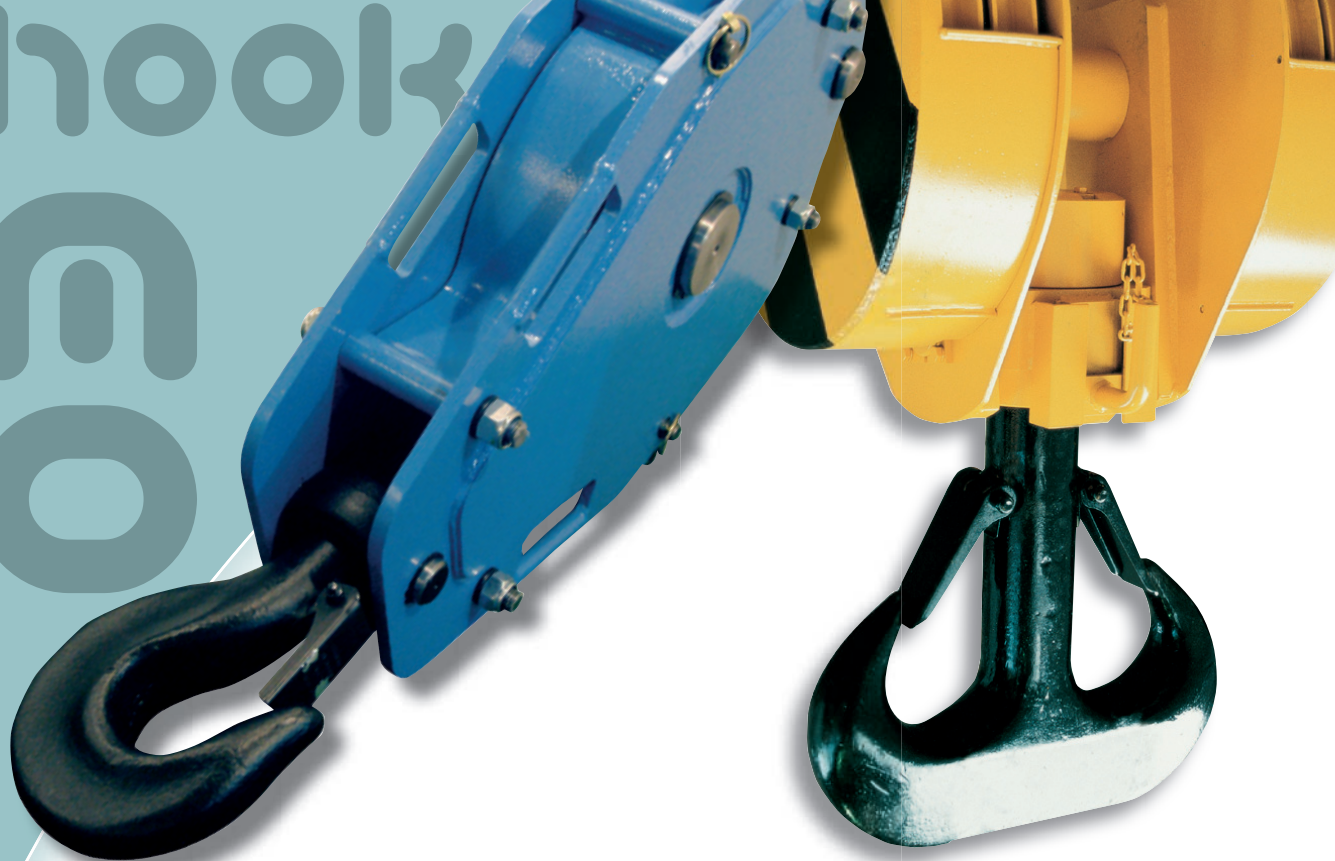




Gosan has developed a new series of blocks and tracks in accordance with the latest requirements and techniques FEM 1001 and DIN STANDARD 15020.

Safety when faced with breakage is in all cases greater than that required by FEM standards.

The suspensions (hook, cross-axle, nut) correspond to DIN standards 15411.

The hooks correspond to DIN standards 15401 and 15402 and are made of forged steel, grade StE355 (class P, regulation DIN STANDARD 15400). Alloy 34CrMo4, 34CrNiMo6 and 30CrNiMo8 (classes S, T, V) can be used if required.

All the hooks are equipped with a safety bolt to prevent their escaping from the sling.

They can be fitted with an anti-spinnig system which is easily attached without the use of tools; this keeps the hook steady. The pulleys are made of rolled steel, designed and built by **GOSAN**, and are fitted with double cylindrical roller bearings, perfectly located with special retainers. These bearings are greased by means of lubricating points, one for every pulley, located on the end of the axle and duly protected from any possible knocks.

Special attention is paid to the shape of the throat when constructing the pulley. The bottom radius (DIN 15601 ($r=0.525 d$)) greatly extend the life of the cable, which will reach its maximum if the cable is properly placed in the pulley throat. Pulleys with the throat tempered will give an additional life extension to the cable and are available upon request.

The distance between pulleys (blocks and tackles of four or more pulleys) is very small due to the type of bearings used.

When calculating the diameter of the compensating pulley and the location of the return-pulleys, one must take into account the fact that the lateral deviation of the cable must be no greater than 4° . The diameter of the cable, as indicated in the tables, has been determined in terms of the composition WS. 6 x 36 + 1 and single resistance 180° kg/mm².

The present tendency to use cables with a greater metallic section and resistance of 200 and 220 kg/mm² can reduce the diameter of the cable and consequently that of the pulleys. This aspect is of particular interest for large loads as it implies a more compact and, therefore, more economic block and tackle.

The pulleys are protected by easily removable safety guards which can be removed even if the block and tackle is suspended from the cables. The output windows for the cables are reinforced and rounded on the edges in order not to damage the cable. The axle of the pulleys may be either grade F.1252 (42CrMo4).

The support mats are very thick and have an outside diameter greater than that of the pulleys. They are reinforced with vertical flatbars between the axle of the pulleys and the cross-axle. They are normally built of rolled steel S355J2.

The blocks and tackles undergo rigorous quality control during the manufacturing process. Certificates of receipt and supervision of the use of hooks, DIN 15404 and 15405, and manufacturing, DIN 50049-3.1, are delivered with the hook block.

The standards which determine the components of the snatch block are indicated below, as a reminder.

CLASSIFICATION OF THE LIFTING DEVICE - FEM 1.001

STATE OF LOAD		LIFE IN REAL WORKING HOURS OF THE DEVICE													
Factor K	SERVICE	800		1.600		3.200		6.300		12.500		25.000		50.000	
0,125	very low frequency of maximum load.					M3	1 Bm	M4	1 Am	M5	2 m	M6	3 m	M7	4 m
0,250	low frequency of maximum load.			M3	1 Bm	M4	1 Am	M5	2 m	M6	3 m	M7	4 m	M8	5 m
0,500	approx same frequency of off-peak, med. & max loads.	M3	1 Bm	M4	1 Am	M5	2 m	M6	3 m	M7	4 m	M8	5 m	M8	5 m
1,000	high frequency of maximum load.	M4	1 Am	M5	2 m	M6	3 m	M7	4 m	M8	5 m	M8	5 m	M8	5 m

DEFINING THE CABLE.

The maximum pull S in the lifting cable is obtained by considering.

P = Maximum nominal load of the device.

Q = Weight of the block and tackle itself of the supporting element of the load.

i = Block and tagle ratio.

η = Block and tagle capacity. (T.2.2).

Fa = Accelerating force if greater than 10% of the load.

α_m = Inclination of the cable at the end of a run if it is greater than 22.5°.

Therefore:

$$S = \frac{P + Q}{i \cdot \eta}$$

$$S = \frac{P + Q}{i \cdot \eta \cdot \cos \alpha_m}$$

$$S = \frac{P + Q + Fa}{i \cdot \eta}$$

In the special case of self-gripping ladles, two cases are considered:

1. A system of elevation that assures load spreading.

Locking lines, S= 66% of the weight of the ladle divided by number of cables.

Stay ropes, S= 66% of the total weight of the ladle divided by number of cables.

2. A system of elevation that does not assure load spreading.

Locking lines, S=100% of the total weight of the ladle divided by number of cables.

Stay ropes, S=66% of the total weight of the ladle divided by number of cables.

Diameter of the cable.

$$\text{FEM safety } Z_p \geq \frac{F_o \text{ (cable breaking stress)}}{S \text{ (maximum pull of the rope)}}$$

$$\text{DIN } d_{\min} = C \sqrt{S} \quad C = \text{coef. Indicated in T-2-1}$$

COEFFICIENTS ZP AND C

TABLE T - 2 - 1

FEM 1001			DIN 15020				
GROUP	MINIMUM SAFETY Zp		GROUP	COEFFICIENT C mm / √ KP			
	CONVEN- TIONAL WIRE ROPE	NON ROTATION WIRE ROPE		CONVENTIONAL WIRE ROPE		NON ROTATION WIRE ROPE	
				180	200	180	200
M3	3,55	4	1 Bm	0,265	0,250	0,250	0,236
M4	4	4,5	1Am	0,300	0,280	0,265	0,265
M5	4,5	5,6	2 m	0,335	0,335	0,300	0,300
M6	5,6	7,1	3 m	0,375	0,375	0,335	0,335
M7	7,1	9	4 m	0,425	0,425	0,375	0,375
M8	9	11,2	5 m	0,475	0,475	0,425	0,425

BLOCK AND TACKLE CAPACITY - DIN 15020

TABLE T - 2 - 2

No of strands		2	3	4	5	6	7	8	9	10	11	12	13	14
pulleys with bearing	η	0,99	0,98	0,97	0,96	0,95	0,94	0,93	0,92	0,91	0,91	0,90	0,89	0,88

PULLEY CABLES

Determining the minimum original diameter in the cable.

$$D \geq d_1 \cdot h_1 \cdot h_2$$

If:

d_1 = diameter of the cable.

h_1 = coefficient depending on the group where the lifting device is classified. This coefficient defined by DIN 15020.

h_2 = increase factor of h_1 , balances the number of bendings in a cable on passing through the pulleys and the drum.

COEFFICIENT H1

GROUP		NORMAL CABLE		NONROTATING CABLE	
FEM	DIN	CABLE PULLEY	COMPENSAT. PULLEY	CABLE PULLEY	COMPENSAT PULLEY
M3	1 Bm	16	12,5	18	14
M4	1 Am	18	14	20	16
M5	2 m	20	14	22,4	16
M6	3 m	22,4	16	25	18
M7	4 m	25	16	28	18
M8	5 m	28	18	31,5	20

COEFFICIENT H2

Disposition of the equipment								
FEM	1		1,12		1,25			

Determinig h2.

W = Bending coefficient on passing through a pulley or drum.

W = 1 –Cable drum.

W = 2 –Cable pulley with bending in the same direction.

W = 4 –Cable pulley with bending in opposite direction.

$h_2 = 1$ –For W_{tot} equal to or lower than 5.

$h_2 = 1,12$ –for W_{tot} between 6 and 9.

$h_2 = 1,25$ –for W_{tot} greater than 10.

CONSULTING DATA.

With an aim to providing a hook block appropriate for the sevice required, the following information should accompany any enquiry:

1. FEM/DIN group of lifting gear or description of the work of the crane of lifting device.
2. Maximum load to be lifted.
3. Diameter of the cable.
4. Number of strands of the block and tackle.
5. Lifting speed.
6. Diameter of the compensating pulley.
7. Arrangement of the upper pulleys.

PROGRAM OF HOOK BLOCKS.

The blocks and tackles listed are the so-called short ones with outside plate pulleys.

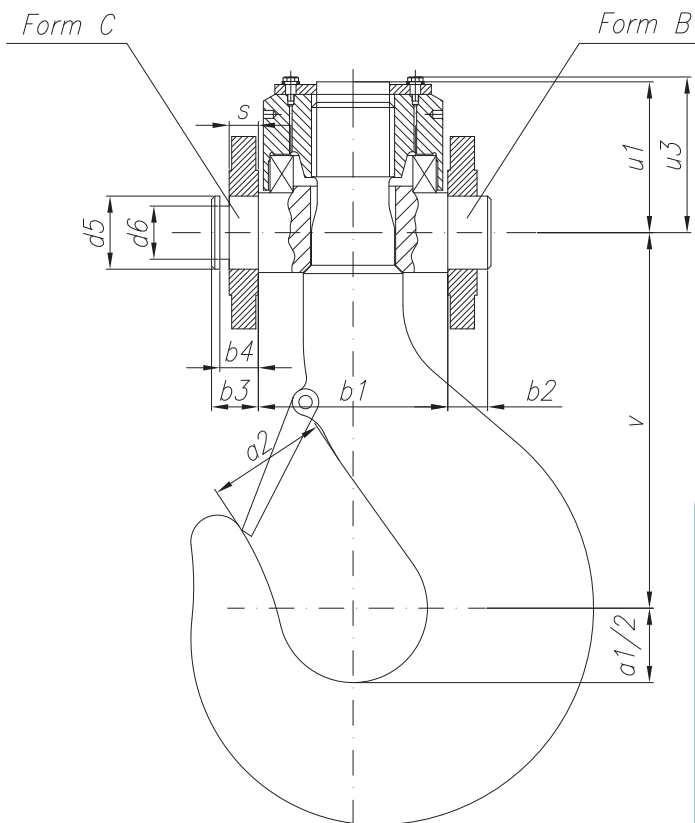
GOSAN designs and builds large blocks and tackles with pulleys arranged on the outside of the plates or some inside and others outside the plates.

We also build blocks and tackles without a hook, with swivel eyes or another system suitable for lifting devices.



hook blocks-suspensions

SUSPENSIONS WITH SINGLE HOOK FOR CRANES



Hooks in accordance with DIN15411 standards (with DIN15401 hooks).

Material:

The hooks are made of forged steel, (class P).

We can use alloy steel if required (class V).

All the hooks are equipped with a safety latch to prevent their escaping from the sling.

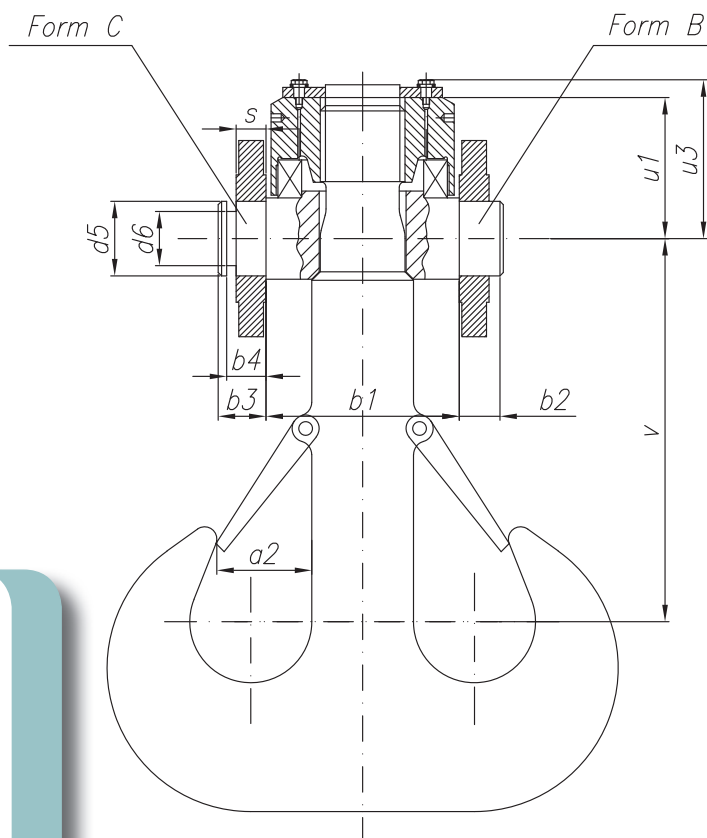
They can be fitted with an anti-turning system which is easily attached without the use of tools, this keeps the hook steady.

DESCRIPTION

REF.: 020.101

Nº HOOK	a1	a2	b1	b2	b3	b4	d5	d6	s	u1	u3	v	BEARING
1	50	40	50	17,5	-	-	25	-	10	39	-	130	51.106
1,6	56	45	65	17,5	-	-	25	-	10	53	-	140	51.107
2,5	63	50	80	20	22,5	17	30	19	10	63,5	-	155	51.108
4	71	56	90	22,5	25	19	35	23	12	71	-	175	51.110
5	80	63	100	25	27,5	22	40	27	15	79,5	-	195	51.112
6	90	71	125	27,5	30	24	45	32	15	90	95	240	51.214
8	100	80	140	30	35	29	50	36	20	98	104	265	51.216
10	112	90	160	30	35	29	55	40	20	110	116	280	51.218
12	125	100	180	35	42,5	34	60	42	25	127	133	315	51.220
16	140	112	190	35	42,5	36	70	50	25	136	143	370	51.222
20	160	175	200	-	47,5	41	80	56	30	150	157	415	51.224
25	180	140	220	-	49	41	90	64	30	166	173	460	51.226
32	200	160	260	-	59	51	100	72	40	188	195	500	51.232
40	224	180	285	-	65	58	110	80	45	208	215	565	51.236
50	250	200	335	-	65	58	125	92	45	224	232	620	51.244
63	280	224	380	-	71	63	140	104	50	260	267	700	51.248
80	315	250	420	-	72,5	63	160	120	50	287	294	800	51.256
100	355	280	470	-	87,5	77	180	136	60	326	333	885	51.260
125	400	315	510	-	87,5	77	200	150	60	365	374	1.000	51.268
160	450	355	550	-	100	87	220	164	70	406	416	1.130	51.272
200	500	400	610	-	100	87	240	184	70	492	501	1.270	51.372
250	560	450	700	-	110	97	260	200	80	552	561	1.440	51.384

TECHNICAL DATA



Hooks in accordance with DIN15411 standards (with DIN15402 hooks)

Material:

The hooks are made of forged steel, (class P). We can use alloy steel if required (class V).

All the hooks are equipped with a safety latch to prevent their escaping from the sling.

They can be fitted with an anti-turning system which is easily attached without the use of tools, this keeps the hook steady.

DESCRIPTION

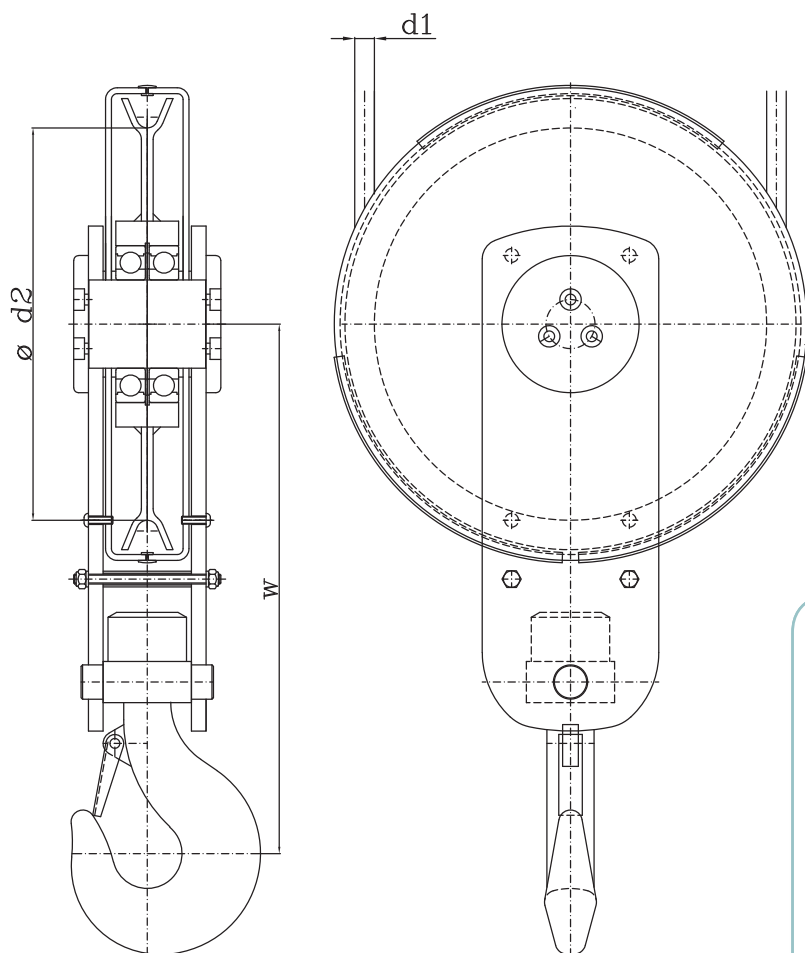
REF.: 020.102

Nº HOOK	a2	b1	b2	b3	b4	d5	d6	s	u1	u3	v	BEARING
1	32	50	17,5	-	-	25	-	10	39	-	130	51.106
1,6	36	65	17,5	-	-	25	-	10	53	-	140	51.107
2,5	40	80	20	22,5	17	30	19	10	63,5	-	155	51.108
4	45	90	22,5	25	19	35	23	12	71	-	175	51.110
5	50	100	25	27,5	22	40	27	15	79,5	-	195	51.112
6	56	125	27,5	30	24	45	32	15	90	95	240	51.214
8	63	140	30	35	29	50	36	20	98	104	265	51.216
10	71	160	30	35	29	55	40	20	110	116	280	51.218
12	80	180	35	42,5	34	60	42	25	127	133	315	51.220
16	90	190	35	42,5	36	70	50	25	136	143	370	51.222
20	100	200	-	47,5	41	80	56	30	150	157	415	51.224
25	112	220	-	49	41	90	64	30	166	173	460	51.226
32	125	260	-	59	51	100	72	40	188	195	500	51.232
40	140	285	-	65	58	110	80	45	208	215	565	51.236
50	160	335	-	65	58	125	92	45	224	232	620	51.244
63	180	380	-	71	63	140	104	50	260	267	700	51.248
80	200	420	-	72,5	63	160	120	50	287	294	800	51.256
100	224	470	-	87,5	77	180	136	60	326	333	885	51.260
125	250	510	-	87,5	77	200	150	60	365	374	1.000	51.268
160	280	550	-	100	87	220	164	70	406	416	1.130	51.272
200	315	610	-	100	87	240	184	70	492	501	1.270	51.372
250	355	700	-	110	97	260	200	80	552	561	1.440	51.384

TECHNICAL DATA

hook blocks-for hoist

HOOK BLOCKS FOR HOIST "1 Sheave"



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

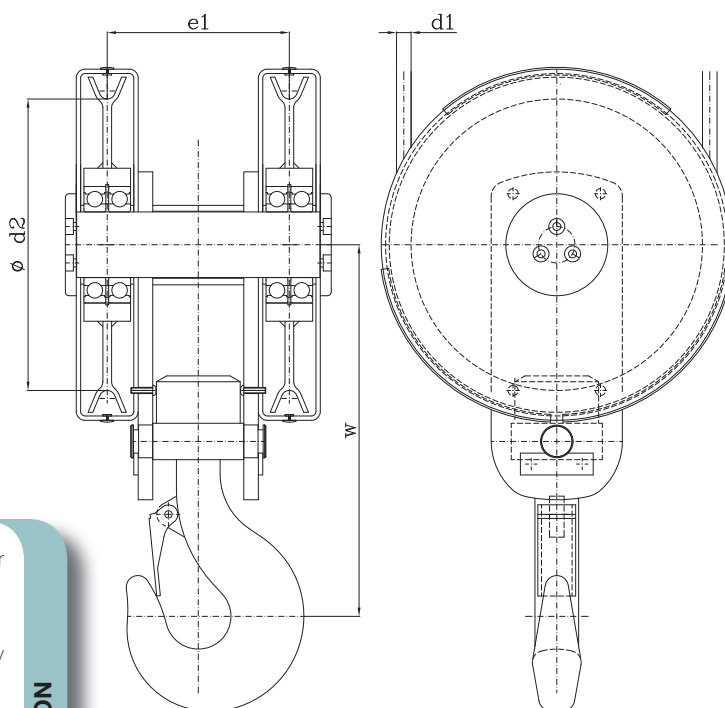
- suspension: class V (other qualities if requested)
- shaft: 42CrMo4.
- supports: S355J2.

DESCRIPTION

REF.: 021.111

Nº	GROUP	LOAD	d1	d2	w	WEIGHT	REFERENCES
1	M4	3,2	9-10	180	320	16	011.1.M456
1	M5	2,5	9-10	180	320	16	011.1.M456
1	M6	2	9-10	180	320	16	011.1.M456
1,6	M4	5	13	240	390	29	011.1,6.M456
1,6	M5	4	13	240	390	29	011.1,6.M456
1,6	M6	3,2	13	240	390	29	011.1,6.M456
2,5	M4	8	16	290	450	45	011.2,5.M456
2,5	M5	6,3	16	290	450	45	011.2,5.M456
2,5	M6	---	16	290	450	45	011.2,5.M456
4	M4	12,5	20-21-22	400	560	90	011.4.M456
4	M5	10	20-21-22	400	560	90	011.4.M456
4	M6	8	20-21-22	400	560	90	011.4.M456
5	M4	16	24	430	600	115	011.5.M456
5	M5	12,5	24	430	600	115	011.5.M456
5	M6	10	24	430	600	115	011.5.M456
6	M4	20	26	470	680	142	011.6.M456
6	M5	16	26	470	680	142	011.6.M456
6	M6	12,5	26	470	680	142	011.6.M456
8	M4	25	29	520	750	192	011.8.M456
8	M5	20	29	520	750	192	011.8.M456
8	M6	16	29	520	750	192	011.8.M456

TECHNICAL DATA



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

- suspension: class V
(other qualities if requested)
- shaft: 42CrMo4
- supports: S355J2.

DESCRIPTION

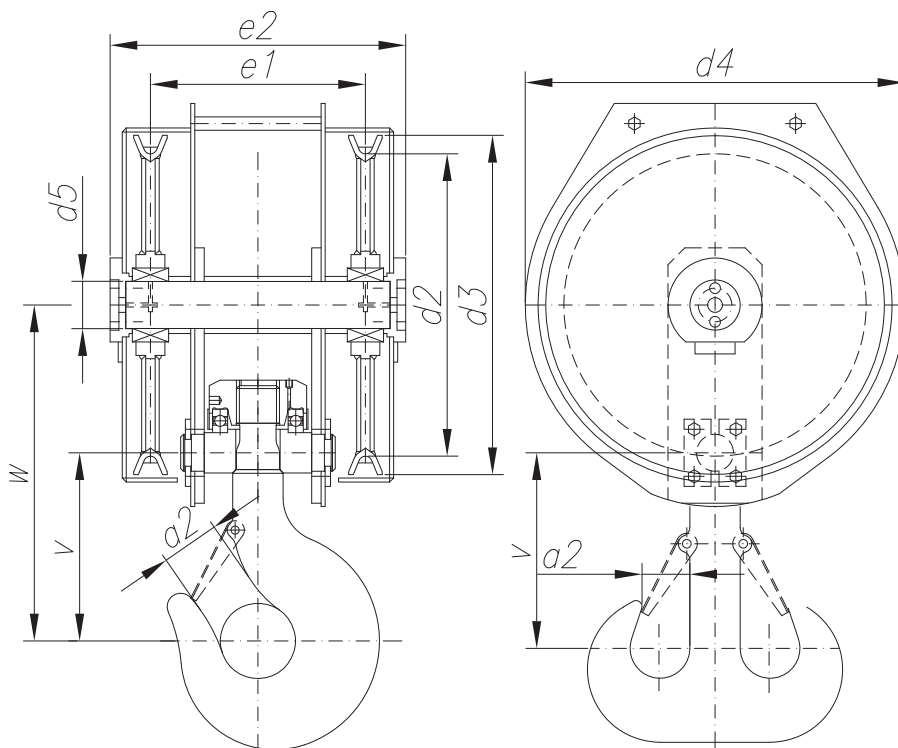
REF.: 021.023

TECHNICAL DATA

Nº	GROUP	LOAD	d1	d2	e1	W	WEIGHT	REF.
1,6	M4	5	9-10	180	135	280	26	023.1.6.M456
1,6	M5	4	9-10	180	135	280	26	023.1.6.M456
1,6	M6	3,2	9-10	180	135	280	26	023.1.6.M456
2,5	M4	8	13	240	165	335	47	023.2.5.M456
2,5	M5	6,3	13	240	165	335	47	023.2.5.M456
2,5	M6	5	13	240	165	335	47	023.2.5.M456
4	M4	10	13	240	185	350	56	023.4.M456-1
4	M5	8	13	240	185	350	56	023.4.M456-1
4	M6	6,3	13	240	185	350	56	023.4.M456-1
4	M4	12,5	16	290	200	380	81	023.4.M456-2
4	M5	10	16	290	200	380	81	023.4.M456-2
4	M6	8	16	290	200	380	81	023.4.M456-2
5	M4	16	16	290	210	405	87	023.5.M456
5	M5	12,5	16	290	210	405	87	023.5.M456
5	M6	10	16	290	210	405	87	023.5.M456
6	M4	20	20-21-22	400	250	510	170	023.6.M456
6	M5	16	20-21-22	400	250	510	170	023.6.M456
6	M6	12,5	20-21-22	400	250	510	170	023.6.M456
8	M4	25	20-21-22	400	265	535	181	023.8.M456
8	M5	20	20-21-22	400	265	535	181	023.8.M456
8	M6	16	20-21-22	400	265	535	181	023.8.M456
10	M4	32	24	430	300	580	240	023.10.M456
10	M5	25	24	430	300	580	240	023.10.M456
10	M6	20	24	430	300	580	240	023.10.M456
12	M4	40	26	470	355	655	312	023.12.M456
12	M5	32	26	470	355	655	312	023.12.M456
12	M6	25	26	470	355	655	312	023.12.M456
16	M4	50	29	520	380	750	407	023.16.M456
16	M5	40	29	520	380	750	407	023.16.M456
16	M6	32	29	520	380	750	407	023.16.M456

hook block and tackle

HOOK BLOCK AND TACKLE "2 Sheaves"



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

- Suspension: class P.
(other qualities if requested)
- Shaft: 42CrMo4.
- Supports: S355J2.

Distance between sheaves is very small, due to the bearing used.

DESCRIPTION

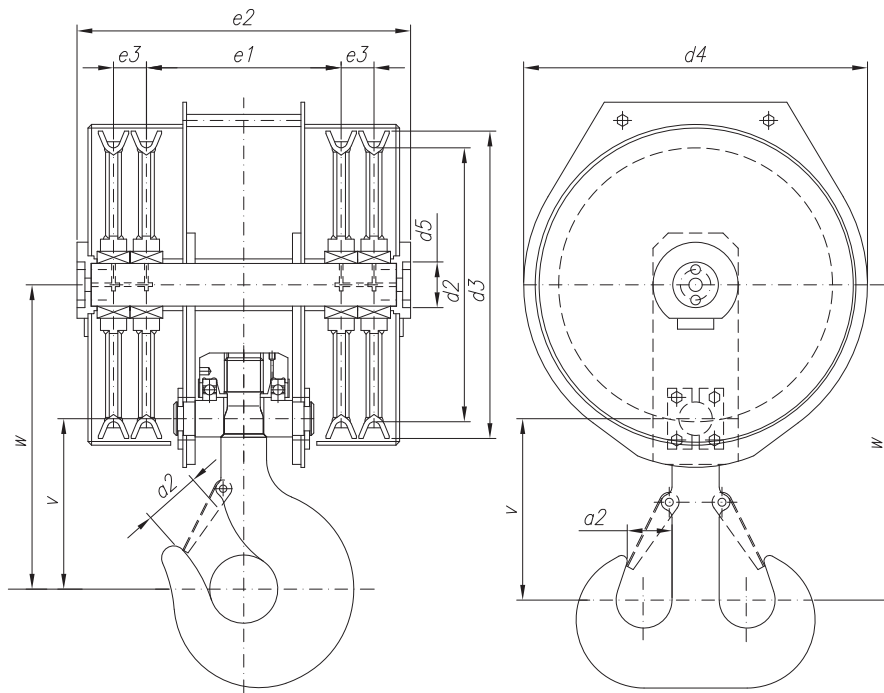
REF.: 020.022

N°	Group		Load	Life	Wire	Dimensions										Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	v	w	Single a2	Doub.		
2,5	M3	1 Bm	6,3	1.600	10	180	210	255	40	160	250	170	285	50	40	40	022.2.5.M3
2,5	M4	1 Am	5	3.200	10	180	210	255	40	160	250	170	285	50	40	40	022.2.5.M4
2,5	M5	2 m	4	6.300	9	180	210	255	40	160	250	170	285	50	40	40	022.2.5.M5
2,5	M6	3 m	3,2	12.500	9	200	230	275	40	160	250	170	285	50	40	40	022.2.5.M6
2,5	M7	4 m	2,5	25.000	9	250	280	325	40	160	250	170	285	50	40	44	022.2.5.M7
2,5	M8	5 m	2	50.000	9	250	280	325	40	160	250	170	285	50	40	44	022.2.5.M8
4	M3	1 Bm	10	1.600	12	190	230	280	50	180	280	190	320	56	45	55	022.4.M3
4	M4	1 Am	8	3.200	12	190	230	280	50	180	280	190	320	56	45	55	022.4.M4
4	M5	2 m	6,3	6.300	11	225	260	310	50	180	280	190	320	56	45	58	022.4.M5
4	M6	3 m	5	12.500	11	245	280	330	50	180	280	190	320	56	45	58	022.4.M6
4	M7	4 m	4	25.000	11	280	315	365	40	190	280	190	320	56	45	62	022.4.M7
4	M8	5 m	3,2	50.000	11	280	315	365	40	190	280	190	320	56	45	62	022.4.M8

TECHNICAL DATA

N°	Group		Load	Life	Wire	Dimensions										Weight kgs.	REF.
	ISO FEM	DIN				t	h	d1	d2	d3	d4	d5	e1	e2	v		
			a2														
5	M3	1 Bm	12,5	1.600	14	235	280	335	60	200	310	210	360	63	50	75	022.5.M3
5	M4	1 Am	10	3.200	14	235	280	335	60	200	310	210	360	63	50	75	022.5.M4
5	M5	2 m	8	6.300	12	240	280	335	50	200	297	210	360	63	50	75	022.5.M5
5	M6	3 m	6,3	12.500	12	275	315	370	50	200	297	210	360	63	50	75	022.5.M6
5	M7	4 m	5	25.000	12	315	355	410	50	210	307	210	360	63	50	80	022.5.M7
5	M8	5 m	4	50.000	12	315	355	410	50	210	307	210	360	63	50	80	022.5.M8
6	M3	1 Bm	16	1.600	16	265	315	370	60	240	350	240	420	71	56	102	022.6.M3
6	M4	1 Am	12,5	3.200	16	265	315	370	60	240	350	240	420	71	56	102	022.6.M4
6	M5	2 m	10	6.300	14	270	315	370	60	240	350	240	420	71	56	106	022.6.M5
6	M6	3 m	8	12.500	14	310	355	410	60	240	350	240	420	71	56	106	022.6.M6
6	M7	4 m	6,3	25.000	14	360	405	460	50	250	350	240	410	71	56	110	022.6.M7
6	M8	5 m	5	50.000	14	360	405	460	50	250	350	240	410	71	56	110	022.6.M8
8	M3	1 Bm	20	1.600	18	300	355	410	70	270	400	265	465	80	63	150	022.8.M3
8	M4	1 Am	16	3.200	18	300	355	410	70	270	400	265	465	80	63	150	022.8.M4
8	M5	2 m	12,5	6.300	16	305	355	410	60	270	380	265	465	80	63	152	022.8.M5
8	M6	3 m	10	12.500	16	355	405	460	60	270	380	265	465	80	63	152	022.8.M6
8	M7	4 m	8	25.000	16	405	455	510	60	280	390	265	455	80	63	155	022.8.M7
8	M8	5 m	6,3	50.000	16	405	455	510	60	280	390	265	455	80	63	155	022.8.M8
10	M3	1 Bm	25	1.600	20	295	355	565	80	290	430	280	500	90	71	178	022.10.M3
10	M4	1 Am	20	3.200	20	295	355	565	80	290	430	280	500	90	71	178	022.10.M4
10	M5	2 m	16	6.300	18	350	405	460	70	290	410	280	500	90	71	180	022.10.M5
10	M6	3 m	12,5	12.500	18	400	455	510	70	290	410	280	500	90	71	180	022.10.M6
10	M7	4 m	10	25.000	18	455	510	565	70	320	440	280	500	90	71	185	022.10.M7
10	M8	5 m	8	50.000	18	455	510	565	70	320	440	280	500	90	71	185	022.10.M8
12	M3	1 Bm	32	1.600	22	340	405	460	80	330	470	315	565	100	80	230	022.12.M3
12	M4	1 Am	25	3.200	22	340	405	460	80	330	470	315	565	100	80	230	022.12.M4
12	M5	2 m	20	6.300	20	395	455	510	80	330	470	315	565	100	80	235	022.12.M5
12	M6	3 m	16	12.500	20	450	510	570	80	330	470	315	565	100	80	235	022.12.M6
12	M7	4 m	12,5	25.000	20	500	570	630	80	360	500	315	565	100	80	240	022.12.M7
12	M8	5 m	10	50.000	20	500	570	630	80	360	500	315	565	100	80	240	022.12.M8
16	M3	1 Bm	40	1.600	24	380	455	510	90	350	500	370	645	112	90	335	022.16.M3
16	M4	1 Am	32	3.200	24	380	455	510	90	350	500	370	645	112	90	335	022.16.M4
16	M5	2 m	25	6.300	22	445	510	565	80	350	490	370	635	112	90	340	022.16.M5
16	M6	3 m	20	12.500	22	505	570	625	80	350	490	370	635	112	90	340	022.16.M6
16	M7	4 m	16	25.000	22	560	630	685	80	390	530	370	635	112	90	345	022.16.M7
16	M8	5 m	12,5	50.000	22	560	630	685	80	390	530	370	635	112	90	345	022.16.M8
20	M3	1 Bm	50	1.600	28	425	510	575	100	380	530	415	710	125	100	480	022.20.M3
20	M4	1 Am	40	3.200	28	425	510	575	100	380	530	415	710	125	100	480	022.20.M4
20	M5	2 m	32	6.300	26	490	570	635	90	380	530	415	700	125	100	485	022.20.M5
20	M6	3 m	25	12.500	26	550	630	695	90	380	530	415	700	125	100	485	022.20.M6
20	M7	4 m	20	25.000	26	630	710	775	90	420	570	415	705	125	100	490	022.20.M7
20	M8	5 m	16	50.000	26	630	710	775	90	420	570	415	705	125	100	490	022.20.M8
25	M3	1 Bm	63	1.600	30	480	570	635	110	420	590	460	775	140	112	635	022.25.M3
25	M4	1 Am	50	3.200	30	480	570	635	110	420	590	460	775	140	112	635	022.25.M4
25	M5	2 m	40	6.300	28	545	630	695	100	420	570	460	770	140	112	640	022.25.M5
25	M6	3 m	32	12.500	28	625	710	775	100	420	570	460	770	140	112	640	022.25.M6
25	M7	4 m	25	25.000	28	710	795	860	100	440	590	460	770	140	112	645	022.25.M7
25	M8	5 m	20	50.000	28	710	795	860	100	440	590	460	770	140	112	645	022.25.M8
32	M3	1 Bm	80	1600	34	525	630	695	120	480	660	500	850	160	125	800	022.32.M3
32	M4	1 Am	63	3.200	34	525	630	695	120	480	660	500	850	160	125	800	022.32.M4
32	M5	2 m	50	6.300	32	610	710	775	110	470	640	500	845	160	125	805	022.32.M5
32	M6	3 m	40	12.500	32	695	795	860	110	470	640	500	845	160	125	805	022.32.M6
32	M7	4 m	32	25.000	32	800	900	965	110	480	650	500	840	160	125	810	022.32.M7
32	M8	5 m	25	50.000	32	800	900	965	110	480	650	500	840	160	125	810	022.32.M8
40	M3	1 Bm	100	1.600	38	595	710	775	130	530	740	565	935	180	140	975	022.40.M3
40	M4	1 Am	80	3.200	38	595	710	775	130	530	740	565	935	180	140	975	022.40.M4
40	M5	2 m	63	6.300	36	685	795	860	120	520	700	565	930	180	140	985	022.40.M5
40	M6	3 m	50	12.500	36	790	900	965	120	520	700	565	930	180	140	985	022.40.M6
40	M7	4 m	40	25.000	36	900	1.010	1.075	120	520	700	565	930	180	140	990	022.40.M7
40	M8	5 m	32	50.000	36	900	1.010	1.075	120	520	700	565	930	180	140	990	022.40.M8

HOOK BLOCK AND TACKLE "4 Sheaves"



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

- Suspension: class P.
(other qualities if requested)
- Shaft: 42CrMo4.
- Supports: S355J2.

Distance between sheaves is very small, due to the bearing used.

DESCRIPTION

REF.: 020.041

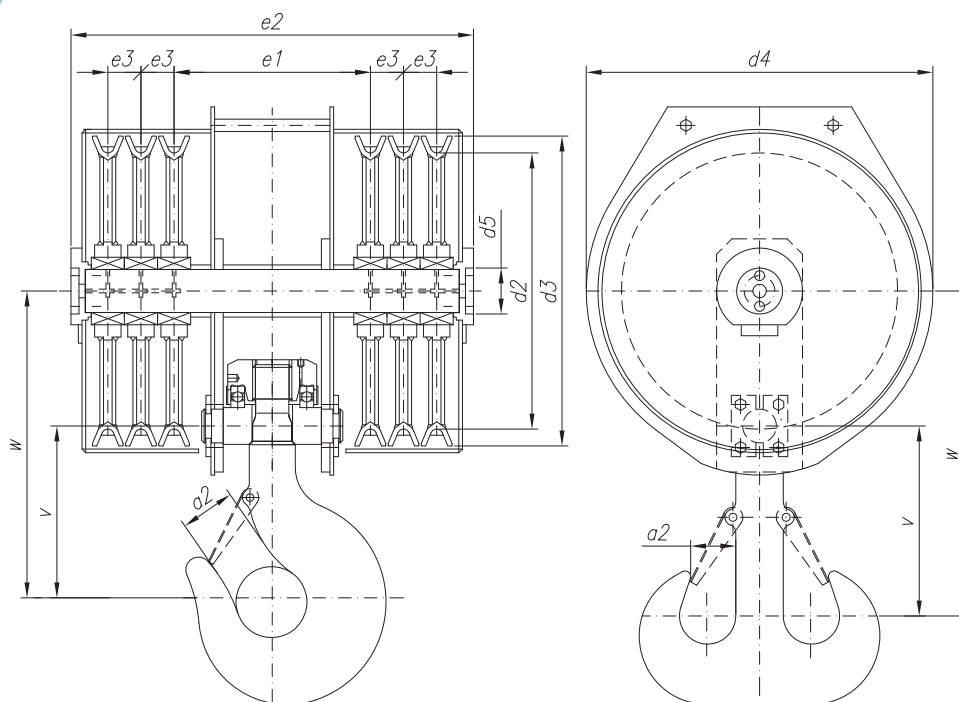
N°	Group		Load	Life	Wire	Dimensions										Single a2	Doub.	Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w					
TECHNICAL DATA	12	M3	1 Bm	32	1.600	16	305	355	410	80	320	580	60	315	565	100	80	300	041.12.M3
	12	M4	1 Am	25	3.200	16	305	355	410	80	320	580	60	315	565	100	80	300	041.12.M4
	12	M5	2 m	20	6.300	14	310	355	410	80	310	570	60	315	565	100	80	305	041.12.M5
	12	M6	3 m	16	12.500	14	360	405	460	80	310	570	60	315	565	100	80	305	041.12.M6
	12	M7	4 m	12,5	25.000	14	410	455	510	70	310	538	54	315	565	100	80	310	041.12.M7
	12	M8	5 m	10	50.000	14	410	455	510	70	310	538	54	315	565	100	80	310	041.12.M8
	16	M3	1 Bm	40	1.600	18	300	355	410	90	340	624	67	370	640	112	90	435	041.16.M3
	16	M4	1 Am	32	3.200	18	300	355	410	90	340	624	67	370	640	112	90	435	041.16.M4
	16	M5	2 m	25	6.300	16	355	405	460	80	330	590	60	370	640	112	90	440	041.16.M5
	16	M6	3 m	20	12.500	16	405	455	510	80	330	590	60	370	640	112	90	440	041.16.M6
	16	M7	4 m	16	25.000	16	460	510	565	80	330	590	60	370	640	112	90	445	041.16.M7
	16	M8	5 m	12,5	50.000	16	460	510	565	80	330	590	60	370	640	112	90	445	041.16.M8

TECHNICAL DATA

N°	Group		Load	Life	Wire	Dimensions											Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w	Single	Doub.		
															a2			
20	M3	1 Bm	50	1.600	20	345	405	470	100	360	644	67	415	710	125	100	640	041.20.M3
20	M4	1 Am	40	3.200	20	345	405	470	100	360	644	67	415	710	125	100	640	041.20.M4
20	M5	2 m	32	6.300	18	400	455	520	90	350	634	67	415	710	125	100	645	041.20.M5
20	M6	3 m	25	12.500	18	455	510	575	90	350	634	67	415	710	125	100	645	041.20.M6
20	M7	4 m	20	25.000	18	515	570	635	80	350	610	60	415	700	125	100	650	041.20.M7
20	M8	5 m	16	50.000	18	515	570	635	80	350	610	60	415	700	125	100	650	041.20.M8
25	M3	1 Bm	63	1.600	22	385	455	520	110	390	720	80	460	775	140	112	810	041.25.M3
25	M4	1 Am	50	3.200	22	385	455	520	110	390	720	80	460	775	140	112	810	041.25.M4
25	M5	2 m	40	6.300	20	450	510	575	100	380	665	67	460	775	140	112	815	041.25.M5
25	M6	3 m	32	12.500	20	510	570	635	100	380	665	67	460	785	140	112	815	041.25.M6
25	M7	4 m	25	25.000	20	570	630	695	90	380	665	67	460	765	140	112	820	041.25.M7
25	M8	5 m	20	50.000	20	570	630	695	90	380	665	67	460	765	140	112	820	041.25.M8
32	M3	1 Bm	80	1.600	24	435	510	575	120	450	790	80	500	850	160	125	1.050	041.32.M3
32	M4	1 Am	63	3.200	24	435	510	575	120	450	790	80	500	850	160	125	1.050	041.32.M4
32	M5	2 m	50	6.300	22	500	570	635	110	450	780	80	500	840	160	125	1.060	041.32.M5
32	M6	3 m	40	12.500	22	560	630	695	110	450	780	80	500	840	160	125	1.060	041.32.M6
32	M7	4 m	32	25.000	22	640	710	775	100	450	734	67	500	840	160	125	1.070	041.32.M7
32	M8	5 m	25	50.000	22	640	710	775	100	450	734	67	500	840	160	125	1.070	041.32.M8
40	M3	1 Bm	100	1.600	28	485	570	635	130	500	850	95	565	940	180	140	1.260	041.40.M3
40	M4	1 Am	80	3.200	28	485	570	635	130	500	850	95	565	940	180	140	1.260	041.40.M4
40	M5	2 m	63	6.300	26	550	630	695	120	490	830	80	565	940	180	140	1.270	041.40.M5
40	M6	3 m	50	12.500	26	630	710	775	120	490	830	80	565	940	180	140	1.270	041.40.M6
40	M7	4 m	40	25.000	26	715	795	860	110	490	820	80	565	930	180	140	1.280	041.40.M7
40	M8	5 m	32	50.000	26	715	795	860	110	490	820	80	565	930	180	140	1.280	041.40.M8
50	M3	1 Bm	125	1.600	30	540	630	695	150	560	930	100	620	1.035	200	160	1.640	041.50.M3
50	M4	1 Am	100	3.200	30	540	630	695	150	560	930	100	620	1.035	200	160	1.640	041.50.M4
50	M5	2 m	80	6.300	28	625	710	775	130	550	890	95	620	1.035	200	160	1.650	041.50.M5
50	M6	3 m	63	12.500	28	710	795	860	130	550	890	95	620	1.035	200	160	1.650	041.50.M6
50	M7	4 m	50	25.000	28	815	900	965	120	550	890	80	620	1.020	200	160	1.660	041.50.M7
50	M8	5 m	40	50.000	28	815	900	965	120	550	890	80	620	1.020	200	160	1.660	041.50.M8
63	M3	1 Bm	160	1.600	34	605	710	780	160	620	1.067	109	700	1.160	224	180	2.180	041.63.M3
63	M4	1 Am	125	3.200	34	605	710	780	160	620	1.067	109	700	1.160	224	180	2.180	041.63.M4
63	M5	2 m	100	6.300	32	695	795	865	140	620	980	95	700	1.150	224	180	2.190	041.63.M5
63	M6	3 m	80	12.500	32	800	900	970	140	620	980	95	700	1.150	224	180	2.190	041.63.M6
63	M7	4 m	63	25.000	32	910	1.010	1.080	130	620	995	95	700	1.140	224	180	2.200	041.63.M7
63	M8	5 m	50	50.000	32	910	1.010	1.080	130	620	995	95	700	1.140	224	180	2.200	041.63.M8
80	M3	1 Bm	200	1.600	38	680	795	875	180	680	1.178	136	800	1.300	250	200	2.890	041.80.M3
80	M4	1 Am	160	3.200	38	680	795	875	180	680	1.178	136	800	1.300	250	200	2.890	041.80.M4
80	M5	2 m	125	6.300	36	790	900	980	160	670	1.080	109	800	1.290	250	200	2.900	041.80.M5
80	M6	3 m	100	12.500	36	900	1.010	1.090	160	670	1.080	109	800	1.290	250	200	2.900	041.80.M6
80	M7	4 m	80	25.000	36	1.000	1.110	1.190	150	670	1.070	100	800	1.280	250	200	2.910	041.80.M7
80	M8	5 m	63	50.000	36	1.000	1.110	1.190	150	670	1.070	100	800	1.280	250	200	2.910	041.80.M8
100	M3	1 Bm	250	1.600	42	770	900	955	200	770	1.270	150	885	1.435	280	224	3.810	041.100.M3
100	M4	1 Am	200	3.200	42	770	900	955	200	770	1.270	150	885	1.435	280	224	3.810	041.100.M4
100	M5	2 m	160	6.300	40	890	1.010	1.080	180	760	1.240	136	885	1.425	280	224	3.830	041.100.M5
100	M6	3 m	125	12.500	40	990	1.110	1.180	180	760	1.240	136	885	1.425	280	224	3.830	041.100.M6
100	M7	4 m	100	25.000	40	1.120	1.240	1.310	160	760	1.180	109	885	1.410	280	224	3.850	041.100.M7
100	M8	5 m	80	50.000	40	1.120	1.240	1.310	160	760	1.180	109	885	1.410	280	224	3.850	041.100.M8
125	M3	1 Bm	320	1.600	46	870	1.010	1.080	220	810	1.340	160	1.000	1.625	315	250	4.860	041.125.M3
125	M4	1 Am	250	3.200	46	870	1.010	1.080	220	810	1.340	160	1.000	1.625	315	250	4.860	041.125.M4
125	M5	2 m	200	6.300	44	970	1.110	1.180	200	800	1.320	150	1.000	1.610	315	250	4.880	041.125.M5
125	M6	3 m	160	12.500	44	1.100	1.240	1.310	200	800	1.320	150	1.000	1.610	315	250	4.880	041.125.M6
125	M7	4 m	125	25.000	44	1.240	1.380	1.470	180	800	1.280	136	1.000	1.590	315	250	4.900	041.125.M7
125	M8	5 m	100	50.000	44	1.240	1.380	1.470	180	800	1.280	136	1.000	1.590	315	250	4.900	041.125.M8
160	M3	1 Bm	400	1.600	52	950	1.110	1.180	240	900	1.440	160	1.130	1.790	355	280	6.520	041.160.M3
160	M4	1 Am	320	3.200	52	950	1.110	1.180	240	900	1.440	160	1.130	1.790	355	280	6.520	041.160.M4
160	M5	2 m	250	6.300	50	1.090	1.240	1.310	220	880	1.420	160	1.130	1.780	355	280	6.560	041.160.M5
160	M6	3 m	200	12.500	50	1.230	1.380	1.470	220	880	1.420	160	1.130	1.780	355	280	6.560	041.160.M6
160	M7	4 m	160	25.000	50	1.400	1.550	1.640	200	880	1.420	150	1.130	1.780	355	280	6.580	041.160.M7
160	M8	5 m	125	50.000	50	1.400	1.550	1.640	200	880	1.420	150	1.130	1.780	355	280	6.580	041.160.M8

hook block and tackle

HOOK BLOCK AND TACKLE "6 Sheaves"



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

- Suspension: class P.
(other qualities if requested)
- Shaft: 42CrMo4.
- Supports: S355J2.

Distance between sheaves is very small, due to the bearing used.

DESCRIPTION

REF.: 020.060

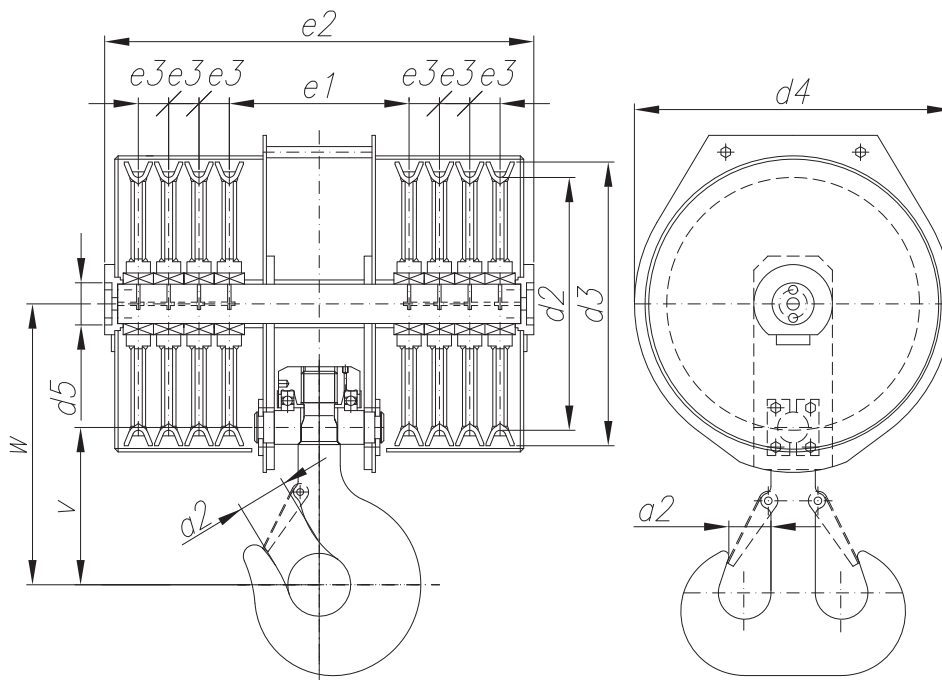
N°	Group		Load	Life	Wire	Dimensions											Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w	Single	Doub.		
															a2			
20	M3	1 Bm	50	1.600	16	355	405	450	110	360	843	80	415	720	125	100	830	060.20.M3
20	M4	1 Am	40	3.200	16	355	405	450	110	360	843	80	415	720	125	100	830	060.20.M4
20	M5	2 m	32	6.300	15	360	405	450	100	360	778	67	415	720	125	100	840	060.20.M5
20	M6	3 m	25	12.500	15	410	455	500	100	360	778	67	415	720	125	100	840	060.20.M6
20	M7	4 m	20	25.000	15	465	510	555	90	360	778	67	415	720	125	100	850	060.20.M7
20	M8	5 m	16	50.000	15	465	510	555	90	360	778	67	415	720	125	100	850	060.20.M8
25	M3	1 Bm	63	1.600	18	400	455	500	120	390	890	80	460	775	140	112	1.040	060.25.M3
25	M4	1 Am	50	3.200	18	400	455	500	120	390	890	80	460	775	140	112	1.040	060.25.M4
25	M5	2 m	40	6.300	16	405	455	500	110	390	880	80	460	775	140	112	1.050	060.25.M5
25	M6	3 m	32	12.500	16	460	510	555	110	390	880	80	460	775	140	112	1.050	060.25.M6
25	M7	4 m	25	25.000	16	520	570	620	100	390	808	67	460	775	140	112	1.060	060.25.M7
25	M8	5 m	20	50.000	16	520	570	620	100	390	808	67	460	775	140	112	1.060	060.25.M8

TECHNICAL DATA

N°	Group		Load	Life	Wire	Dimensions											Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w	Single	Doub.		
															a2			
32	M3	1 Bm	80	1.600	21	445	510	555	140	450	1.020	95	500	860	160	125	1.350	060.32.M3
32	M4	1 Am	63	3.200	21	445	510	555	140	450	1.020	95	500	860	160	125	1.350	060.32.M4
32	M5	2 m	50	6.300	19	450	510	555	120	450	950	80	500	845	160	125	1.360	060.32.M5
32	M6	3 m	40	12.500	19	510	570	620	120	450	950	80	500	845	160	125	1.360	060.32.M6
32	M7	4 m	32	25.000	19	570	630	680	110	450	940	80	500	845	160	125	1.370	060.32.M7
32	M8	5 m	25	50.000	19	570	630	680	110	450	940	80	500	845	160	125	1.370	060.32.M8
40	M3	1 Bm	100	1.600	22	440	510	555	150	500	1.080	100	565	945	180	140	1.610	060.40.M3
40	M4	1 Am	80	3.200	22	440	510	555	150	500	1.080	100	565	945	180	140	1.610	060.40.M4
40	M5	2 m	63	6.300	21	505	570	620	130	500	1.050	95	565	935	180	140	1.620	060.40.M5
40	M6	3 m	50	12.500	21	565	630	680	130	500	1.050	95	565	935	180	140	1.620	060.40.M6
40	M7	4 m	40	25.000	21	645	710	765	120	500	1.000	80	565	935	180	140	1.630	060.40.M7
40	M8	5 m	32	50.000	21	645	710	765	120	500	1.000	80	565	935	180	140	1.630	060.40.M8
50	M3	1 Bm	125	1.600	26	550	630	680	160	570	1.180	109	620	1.030	200	160	2.040	060.50.M3
50	M4	1 Am	100	3.200	26	550	630	680	160	570	1.180	109	620	1.030	200	160	2.040	060.50.M4
50	M5	2 m	80	6.300	24	635	710	765	140	570	1.120	95	620	1.020	200	160	2.060	060.50.M5
50	M6	3 m	63	12.500	24	635	710	765	140	570	1.120	95	620	1.020	200	160	2.060	060.50.M6
50	M7	4 m	50	25.000	24	720	795	850	130	570	1.120	95	620	1.020	200	160	2.080	060.50.M7
50	M8	5 m	40	50.000	24	720	795	850	130	570	1.120	95	620	1.020	200	160	2.080	060.50.M8
63	M3	1 Bm	160	1.600	28	625	710	765	180	640	1.380	136	700	1.170	224	180	2.680	060.63.M3
63	M4	1 Am	125	3.200	28	625	710	765	180	640	1.380	136	700	1.170	224	180	2.680	060.63.M4
63	M5	2 m	100	6.300	26	630	710	765	160	620	1.230	109	700	1.160	224	180	2.695	060.63.M5
63	M6	3 m	80	12.500	26	715	795	850	160	620	1.230	109	700	1.160	224	180	2.695	060.63.M6
63	M7	4 m	63	25.000	26	820	900	955	150	620	1.180	100	700	1.160	224	180	2.710	060.63.M7
63	M8	5 m	50	50.000	26	820	900	955	150	620	1.180	100	700	1.160	224	180	2.710	060.63.M8
80	M3	1 Bm	200	1.600	32	695	795	850	200	690	1.520	150	800	1.320	250	200	3.390	060.80.M3
80	M4	1 Am	160	3.200	32	695	795	850	200	690	1.520	150	800	1.320	250	200	3.390	060.80.M4
80	M5	2 m	125	6.300	30	705	795	850	180	670	1.440	136	800	1.320	250	200	3.410	060.80.M5
80	M6	3 m	100	12.500	30	810	900	955	180	670	1.440	136	800	1.320	250	200	3.410	060.80.M6
80	M7	4 m	80	25.000	30	920	1.010	1.080	160	670	1.300	109	800	1.300	250	200	3.430	060.80.M7
80	M8	5 m	63	50.000	30	920	1.010	1.080	160	670	1.300	109	800	1.300	250	200	3.430	060.80.M8
100	M3	1 Bm	250	1.600	36	790	900	955	240	770	1.650	160	885	1.430	280	224	4.400	060.100.M3
100	M4	1 Am	200	3.200	36	790	900	955	240	770	1.650	160	885	1.430	280	224	4.400	060.100.M4
100	M5	2 m	160	6.300	34	795	900	955	200	750	1.580	150	885	1.410	280	224	4.420	060.100.M5
100	M6	3 m	125	12.500	34	905	1.010	1.080	200	750	1.580	150	885	1.410	280	224	4.420	060.100.M6
100	M7	4 m	100	25.000	34	1.005	1.110	1.180	180	750	1.510	136	885	1.410	280	224	4.440	060.100.M7
100	M8	5 m	80	50.000	34	1.005	1.110	1.180	180	750	1.510	136	885	1.410	280	224	4.440	060.100.M8
125	M3	1 Bm	320	1.600	40	780	900	955	260	840	1.870	190	1.000	1.650	315	250	5.440	060.125.M3
125	M4	1 Am	250	3.200	40	780	900	955	260	840	1.870	190	1.000	1.650	315	250	5.440	060.125.M4
125	M5	2 m	200	6.300	38	895	1.010	1.080	220	820	1.690	160	1.000	1.620	315	250	5.470	060.125.M5
125	M6	3 m	160	12.500	38	995	1.110	1.180	220	820	1.690	160	1.000	1.620	315	250	5.470	060.125.M6
125	M7	4 m	125	25.000	38	1.125	1.240	1.310	200	820	1.640	150	1.000	1.620	315	250	5.490	060.125.M7
125	M8	5 m	100	50.000	38	1.125	1.240	1.310	200	820	1.640	150	1.000	1.620	315	250	5.490	060.125.M8
160	M3	1 Bm	400	1.600	44	875	1.010	1.080	280	900	1.930	190	1.130	1.810	355	280	7.250	060.160.M3
160	M4	1 Am	320	3.200	44	875	1.010	1.080	280	900	1.930	190	1.130	1.810	355	280	7.250	060.160.M4
160	M5	2 m	250	6.300	42	980	1.110	1.180	240	870	1.760	160	1.130	1.780	355	280	7.270	060.160.M5
160	M6	3 m	200	12.500	42	1.110	1.240	1.310	240	870	1.760	160	1.130	1.780	355	280	7.270	060.160.M6
160	M7	4 m	160	25.000	42	1.250	1.380	1.470	220	870	1.760	160	1.130	1.780	355	280	7.290	060.160.M7
160	M8	5 m	125	50.000	42	1.250	1.380	1.470	220	870	1.760	160	1.130	1.780	355	280	7.290	060.160.M8

hook block and tackle

HOOK BLOCK AND TACKLE "8 Sheaves"



State-of-the-art hook block, designed for very demanding conditions.

It complies with the FEM/DIN standards.

Suspensions follow DIN15411 and they are supplied with safety latch.

Material:

- Suspension: class P.
(other qualities if requested)
- Shaft: 42CrMo4.
- Supports: S355J2.

Distance between sheaves is very small, due to the bearing used.

DESCRIPTION

REF.: 020.080

TECHNICAL DATA	N°	Group		Load	Life	Wire	Dimensions										Single	Doub.	Weight kgs.	REF.
		ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w					
																a2				
40	M3	1 Bm	100	1.600	20	450	510	555	160	500	1.330	109	565	950	180	140	1.950	080.40.M3		
40	M4	1 Am	80	3.200	20	450	510	555	160	500	1.330	109	565	950	180	140	1.950	080.40.M4		
40	M5	2 m	63	6.300	18	455	510	555	140	500	1.230	95	565	950	180	140	1.970	080.40.M5		
40	M6	3 m	50	12.500	18	455	510	555	140	500	1.230	95	565	950	180	140	1.970	080.40.M6		
40	M7	4 m	40	25.000	18	515	570	620	130	500	1.230	95	565	950	180	140	1.990	080.40.M7		
40	M8	5 m	32	50.000	18	515	570	620	130	500	1.230	95	565	950	180	140	1.990	080.40.M8		
50	M3	1 Bm	125	1.600	22	440	510	555	180	580	1.600	136	620	1.050	200	160	2.620	080.50.M3		
50	M4	1 Am	100	3.200	22	440	510	555	180	580	1.600	136	620	1.050	200	160	2.620	080.50.M4		
50	M5	2 m	80	6.300	20	510	570	620	160	560	1.400	109	620	1.050	200	160	2.640	080.50.M5		
50	M6	3 m	63	12.500	20	510	570	620	160	560	1.400	109	620	1.050	200	160	2.640	080.50.M6		
50	M7	4 m	50	25.000	20	570	630	680	140	560	1.310	95	620	1.050	200	160	2.660	080.50.M7		
50	M8	5 m	40	50.000	20	570	630	680	140	560	1.310	95	620	1.050	200	160	2.660	080.50.M8		

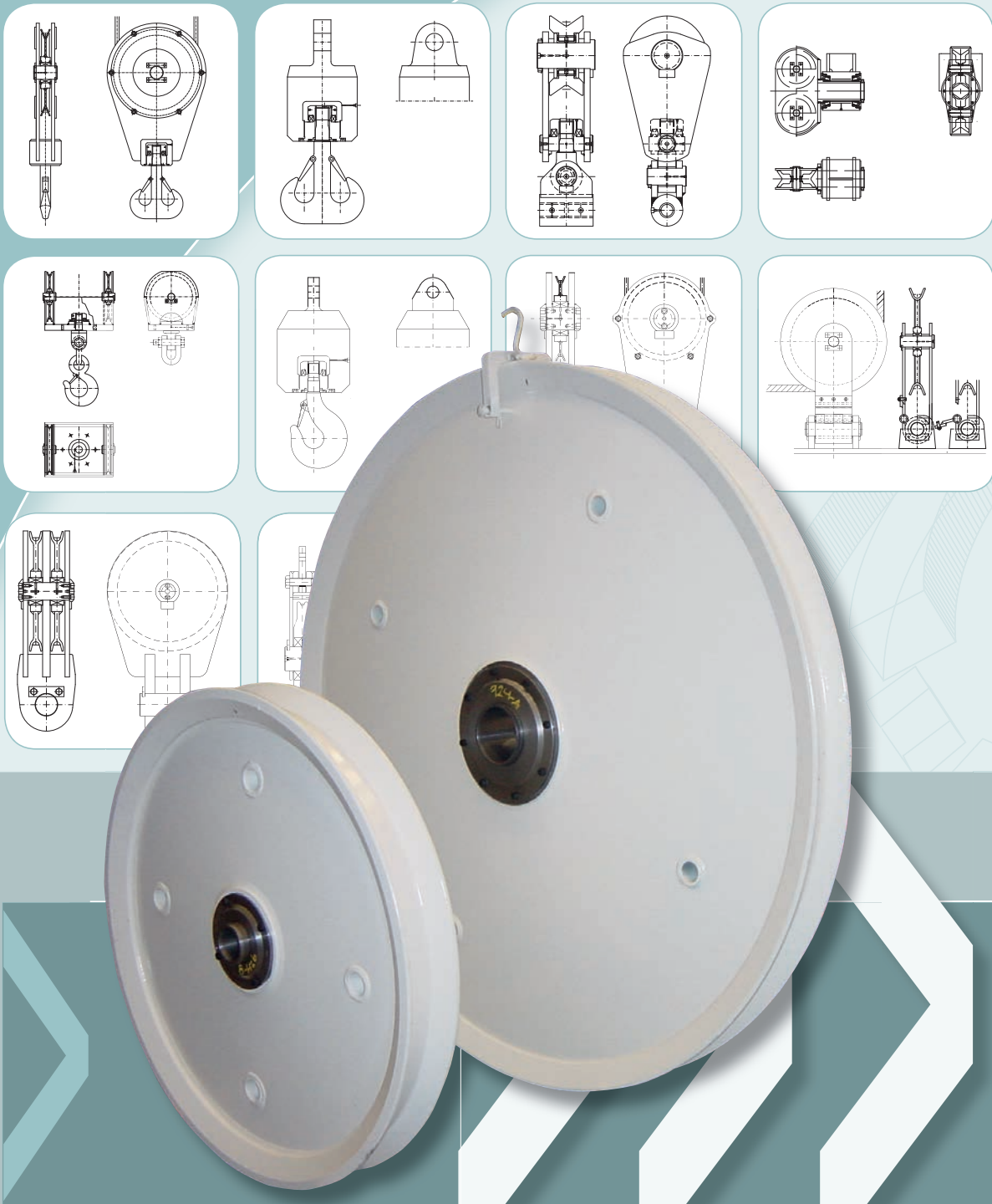
TECHNICAL DATA

TECHNICAL DATA

N°	Group		Load	Life	Wire	Dimensions											Weight kgs.	REF.
	ISO FEM	DIN	t	h	d1	d2	d3	d4	d5	e1	e2	e3	v	w	Single	Doub.		
															a2			
63	M3	1 Bm	160	1.600	24	495	570	620	220	660	1.850	160	700	1.200	224	180	3.180	080.63.M3
63	M4	1 Am	125	3.200	24	495	570	620	220	660	1.850	160	700	1.200	224	180	3.180	080.63.M4
63	M5	2 m	100	6.300	22	560	630	680	180	640	1.660	136	700	1.200	224	180	3.195	080.63.M5
63	M6	3 m	80	12.500	22	560	630	680	180	640	1.660	136	700	1.200	224	180	3.195	080.63.M6
63	M7	4 m	63	25.000	22	640	710	765	160	610	1.450	109	700	1.200	224	180	3.210	080.63.M7
63	M8	5 m	50	50.000	22	640	710	795	160	610	1.450	109	700	1.200	224	180	3.210	080.63.M8
80	M3	1 Bm	200	1.600	28	545	630	680	240	700	1.890	160	800	1.330	250	200	3.940	080.80.M3
80	M4	1 Am	160	3.200	28	545	630	680	240	700	1.890	160	800	1.330	250	200	3.940	080.80.M4
80	M5	2 m	125	6.300	26	715	795	850	200	690	1.810	150	800	1.330	250	200	3.960	080.80.M5
80	M6	3 m	100	12.500	26	715	795	850	200	690	1.810	150	800	1.330	250	200	3.960	080.80.M6
80	M7	4 m	80	25.000	26	820	900	955	180	680	1.710	136	800	1.330	250	200	3.990	080.80.M7
80	M8	5 m	63	50.000	26	820	900	955	180	680	1.710	136	800	1.330	250	200	3.990	080.80.M8
100	M3	1 Bm	250	1.600	32	695	795	850	260	800	2.200	190	885	1.440	280	224	5.200	080.100.M3
100	M4	1 Am	200	3.200	32	695	795	850	260	800	2.200	190	885	1.440	280	224	5.200	080.100.M4
100	M5	2 m	160	6.300	30	810	900	955	220	770	1.960	160	885	1.440	280	224	5.230	080.100.M5
100	M6	3 m	125	12.500	30	810	900	955	220	770	1.960	160	885	1.440	280	224	5.230	080.100.M6
100	M7	4 m	100	25.000	30	920	1.010	1.080	200	760	1.880	150	885	1.440	280	224	5.260	080.100.M7
100	M8	5 m	80	50.000	30	920	1.010	1.080	200	760	1.880	150	885	1.440	280	224	5.260	080.100.M8
125	M3	1 Bm	320	1.600	34	690	795	850	280	840	2.240	190	1.000	1.660	315	250	6.240	080.125.M3
125	M4	1 Am	250	3.200	34	690	795	850	280	840	2.240	190	1.000	1.660	315	250	6.240	080.125.M4
125	M5	2 m	200	6.300	32	800	900	955	240	810	2.000	160	1.000	1.660	315	250	6.260	080.125.M5
125	M6	3 m	160	12.500	32	800	900	955	240	810	2.000	160	1.000	1.660	315	250	6.260	080.125.M6
125	M7	4 m	125	25.000	32	1.010	1.110	1.180	220	810	2.000	160	1.000	1.660	315	250	6.290	080.125.M7
125	M8	5 m	100	50.000	32	1.010	1.110	1.180	220	810	2.000	160	1.000	1.660	315	250	6.290	080.125.M8
160	M3	1 Bm	400	1.600	38	785	900	955	300	930	2.550	218	1.130	1.820	355	280	7.910	080.160.M3
160	M4	1 Am	320	3.200	38	785	900	955	300	930	2.550	218	1.130	1.820	355	280	7.910	080.160.M4
160	M5	2 m	250	6.300	36	900	1.010	1.080	280	900	2.320	190	1.130	1.820	355	280	7.940	080.160.M5
160	M6	3 m	200	12.500	36	1.000	1.110	1.180	260	900	2.320	190	1.130	1.820	355	280	7.940	080.160.M6
160	M7	4 m	160	25.000	36	1.130	1.240	1.310	240	870	2.080	160	1.130	1.820	355	280	7.980	080.160.M7
160	M8	5 m	125	50.000	36	1.130	1.240	1.310	240	870	2.080	160	1.130	1.820	355	280	7.980	080.160.M8
200	M3	1 Bm	500	1.600	44	870	1.010	1.080	*200	940	2.150	150	1.270	1.960	400	315	9.710	080.200.M3
200	M4	1 Am	400	3.200	44	870	1.010	1.080	*180	940	2.050	136	1.270	1.960	400	315	9.710	080.200.M4
200	M5	2 m	320	6.300	42	985	1.110	1.180	300	990	2.620	218	1.270	1.960	400	315	9.810	080.200.M5
200	M6	3 m	250	12.500	42	1.115	1.240	1.310	280	960	2.390	190	1.270	1.960	400	315	9.810	080.200.M6
200	M7	4 m	200	25.000	42	1.255	1.380	1.470	280	960	2.390	190	1.270	1.960	400	315	9.850	080.200.M7
200	M8	5 m	160	50.000	42	1.255	1.380	1.470	260	960	2.390	190	1.270	1.960	400	315	9.850	080.200.M8
250	M3	1 Bm	500	1.600	48	965	1.110	1.180	*200	1.050	2.230	150	1.440	2.130	450	355	11.700	080.250.M3
250	M4	1 Am	500	3.200	48	965	1.110	1.180	*200	1.050	2.230	150	1.440	2.130	450	355	11.700	080.250.M4
250	M5	2 m	400	6.300	46	1.100	1.240	1.310	*180	1.050	2.130	136	1.440	2.130	450	355	11.740	080.250.M5
250	M6	3 m	320	12.500	46	1.240	1.380	1.470	*160	1.050	1.940	109	1.440	2.130	450	355	11.740	080.250.M6
250	M7	4 m	250	25.000	46	1.410	1.550	1.640	300	1.100	2.750	218	1.440	2.130	450	355	11.920	080.250.M7
250	M8	5 m	200	50.000	46	1.410	1.550	1.640	280	1.080	2.560	190	1.440	2.130	450	355	11.920	080.250.M8

OTHER PRODUCTS

offshore



We at Gosan have gone beyond our historical markets and now we have a presence in offshore projects within the North Sea, where a large and complex offshore industry is located, as well as, in the Rest of the World.

Gosan has invested in R&D projects so as to manufacture products economically and in the most expeditious manner. Due to the nature of the oil industry, optimum delivery is critical.

To this end Gosan has developed a system to make sure orders are ready on time. We have an excellent team of Highly Qualified Engineers who work to make continuous improvements using CAD/CAM systems.

At Gosan we manufacture a wide range of;

Sheaves, Hook blocks, Wheels for Offshore applications suitable for:

Oil and Gas Platforms, Cargo Handling, Pipe Laying and Supply Vessels, ROV operations, Sub-sea Operations, etc.

- According to International Design and Quality Standards.

- According to Customer Designs, we manufacture any lifting element according to customer specifications thanks to the Know-How which we have developed as a competitive advantage over decades of service

- Using Gosan's Application Engineering team, applying the latest and most advanced hardware systems and calculation software.

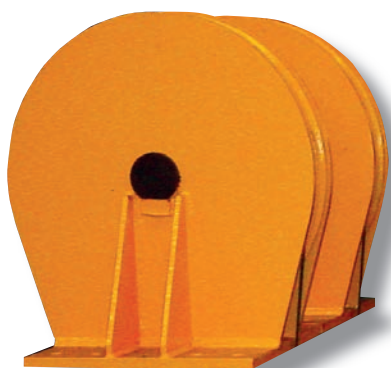
All Gosan production is submitted to rigorous and exhaustive Quality Assurance procedures and to customer's individual requirements:

- Standard Testing according to International Standards including ultrasonic, magnetic particle, Charpy impact, mechanical properties, proof load...

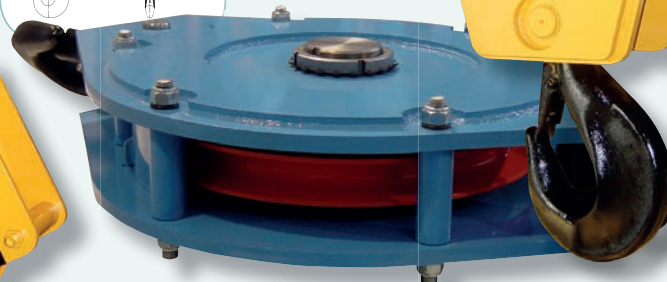
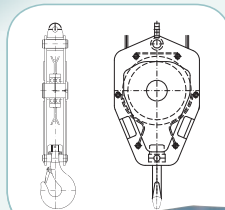
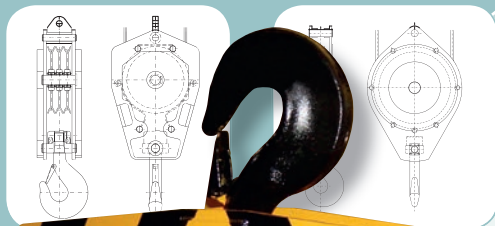
- Custom Testing according to customer specifications.

With the option, in all cases, of product being inspected by internationally recognized Certifying Organizations or by the customer's quality assurance personnel.

offshore



mobile crane



industry

