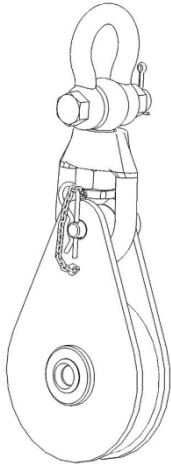
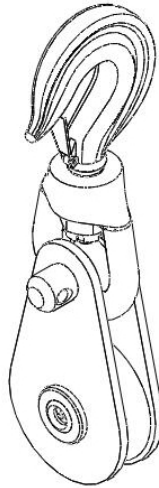


APPLICATIONS

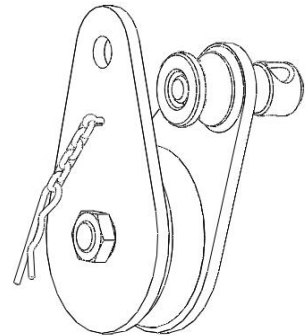
The snatch blocks of the ETA/ETC/ETM's range are mainly used for temporary applications for pulling and lifting, when quick assemblies and/or dismantlings are required. They can be suspended to a fixed or mobile anchorage point with the right strength corresponding to the required load. Thanks to an easy instalment, a light weight and attached locking parts, these snatch blocks are most often used on vessels and off-shore platforms.



ETM – snatch block with shackle



ETC – snatch block with hook



ETA – snatch block with axle

DESCRIPTION

The snatch blocks are available in 3 models with 3 different types of anchorage:

- ETC model with a hook with safety latch for a quick transfer,
- ETM model with a swivel shackle for an optimised and secured anchorage,
- ETA model with an axle suitable for tiny spaces.

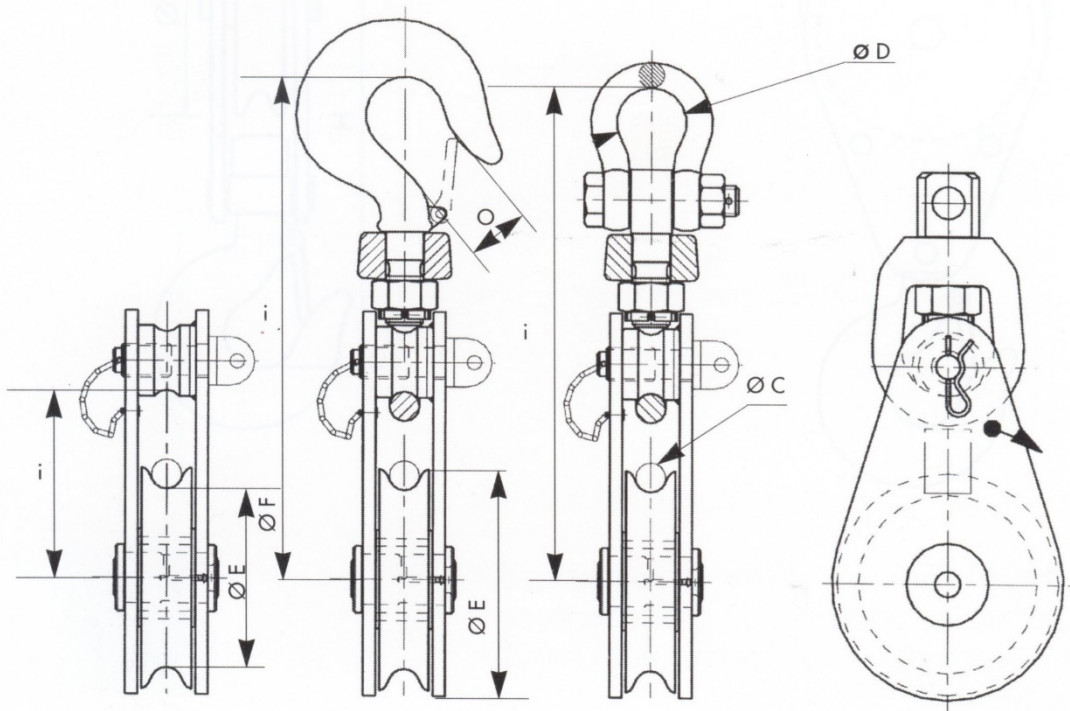
The ETC and ETM models can easily be transformed in an axle model (ETA) by using standard tools. Once the snatch block is not under tension, the opening, operated by turning one bearing flange around the sheave axle, makes the introducing of the wire rope in the groove possible, while the block remains suspended. All the parts stay interdependent during the flange opening and the wire rope introduction. The locking axle is secured by a safety pin which prevents any unscrewing or uncontrolled movement.

TECHNICAL CHARACTERISTICS

- Ultimate load is 4 times the working load limit (WLL).
- Zinc bichromated coating for capacities up to 8 tons. Above yellow painted in Ral 1004.
- The sheaves are fitted either on bronze bush or on ball or roller bearing (Please refer to the enclosed table)
- Pressure axial lubrication on all the models, except the 2 tons model with a self lubricated bush.

DIMENSIONAL CHARACTERISTICS

WLL ¹	sheave Ø		rope Ø	height			Cotes hors tout				O	D	weight		bearing
	F	E	C	I			H	T	W	hook/ shackle			pin		
	BOGØ (2)	ETXØ	min.max Ø	hook	shackle	axle	mm						kg		
2	60	79	9/10	218	219	92	285	92	84	30	33	2.7	1.6	Bba ²	
5	90	114	12/14	318	327	142	424	125	124	39	51	8	4.5	Bb ³	
5	140	165	12/14	369	378	167	475	125	175	39	51	10.5	7	Bb	
8	112	142	17/19	397	400	182	529	162	152	48	58	15	8.5	Bb	
8	177	209	17/19	431	434	216	567	162	220	48	58	20	13.5	Bb	
8	221	262	17/19	457	460	245	649	162	272	48	58	25	18	Ro ⁴	
8	275	326	20/23	495	498	283	718	162	336	48	58	29	23	Ro	
12.5	112	145	20/23	453	444	201	584	192	155	57	68	30	24	Bb	
12.5	174	216	20/23	488	479	236	655	192	226	57	68	35	28	Ro	
12.5	174	216	26/29	497	488	245	664	192	226	57	68	35	28	Bb	
15	221	262	20/23	560	574	270	765	220	272	57	83	38	30	Ro	
15	275	326	20/23	592	607	302	828	220	336	57	83	45	36	Ro	
15	355	420	20/23	639	653	349	896	220	430	57	83	65	52	Ro	
20	174	216	26/29	553	576	260	664	192	226	44	89	39	31	Ro	
20	224	268	35/38	583	606	260	789	192	278	44	89	56	45	Ro	
20	349	410	35/38	653	676	360	930	192	420	44	89	70	56	Ro	
25	221	262	26/29	648	665	296	865	218	272	52	98	62	48	Ro	
25	270	326	26/29	680	697	628	929	218	336	52	98	85	63	Ro	
32	270	334	42/46	713	761	359	798	245	344	59	110	95	70	Ro	
32	443	518	42/46	805	853	451	900	245	528	59	110	135	100	Ro	



- 1 Working Load Limit
- 2 Bottom Of Groove
- 3 Self lubricated bush
- 4 Bronze bush
- 5 Ball or roller bearing

REFERENCES

WLL (1)	hook		hook	Reference					
	F	E	C	hook	Group code	shackle	Group code	axle	Group code
	BOGØ (2)	ETXØ	min.max Ø						
mm									
2	60	79	9/10	ETC2-79E10	81429	ETM2-79E10	81439	ETA2-79E10	81449
5	90	114	12/14	ETC5-114E14	81399	ETM5-114E14	81409	ETA5-114E14	81419
5	140	165	12/14	ETC5-165E14	81459	ETM5-165E14	81469	ETA5-165E14	81479
8	112	142	17/19	ETC8-142E19	81489	ETM8-142E19	81499	ETA8-142E19	81509
8	177	209	17/19	ETC8-209E19	81519	ETM8-209E19	81529	ETA8-209E19	81539
8	221	262	17/19	ETC8-262E19	81549	ETM8-262E19	81559	ETA8-262E19	81569
8	275	326	20/23	ETC8-326E23	81579	ETM8-326E23	81589	ETA8-326E23	81599
12.5	112	145	20/23	ETC12-145E23	81608	ETM12-145E23	81619	ETA12-145E23	81629
12.5	174	216	20/23	ETC12-216E23	81669	ETM12-216E23	81679	ETA12-216E23	81689
12.5	174	216	26/29	ETC12-216E29	81639	ETM12-216E29	81649	ETA12-216E29	81659
15	221	262	20/23	ETC15-262E23	81699	ETM15-262E23	81709	ETA15-262E23	81719
15	275	326	20/23	ETC15-326E23	81759	ETM15-326E23	81769	ETA15-326E23	81779
15	355	420	20/23	ETC15-420E23	81819	ETM15-420E23	81829	ETA15-420E23	81839
20	174	216	26/29	ETC20-216E29	81729	ETM20-216E29	81739	ETA20-216E29	81749
20	224	268	35/38	ETC20-268E38	81789	ETM20-268E38	81799	ETA20-268E38	81809
20	349	410	35/38	ETC20-410E38	81849	ETM20-410E38	81859	ETA20-410E38	81869
25	221	262	26/29	ETC25-262E29	81879	ETM25-262E29	81889	ETA25-262E29	81899
25	270	326	26/29	ETC25-326E29	81939	ETM25-326E29	81949	ETA25-326E29	81959
32	270	334	42/46	ETC32-334E46	81909	ETM32-334E46	81919	ETA32-334E46	81929
32	443	518	42/46	ETC32-518E46	81969	ETM32-518E46	81979	ETA32-518E46	81989

NON-CONFORM USES

- **NEVER USE FOR PERSONNEL LIFTING.**
- Strictly forbidden to either be under or to walk under the load.
- The block should be regularly inspected (priority checking parts correctly assembled, no excessive movement, no excessive wearing or corrosion, no deformation, no weld corrosion or cracking, free rotating sheave).
- Prior to using the block, check for proper position and locking of the axles. Threaded axle head should be visible after application of nuts.
- Never use a block with a hook as headfitting without ensuring that the safety latch is correctly operated and free from deformation.
- For lifting operations, the user must refer to the safety rules and regulations applicable to this use.

WIRE ROPE STRENGTH REDUCTION

The ratio $\frac{\text{Pitch } \varnothing (= \text{BOG } \varnothing + 1 \text{ w/r } \varnothing)}{\text{Wire rope } \varnothing}$ between the pitch diameter of the sheave and the wire rope diameter, called the winding ratio, alters the tensile strength in the wire rope as hereafter:

Winding ratio	Reduction
6	21%
8	17%
10	14%
15	11%
20	9%

Above values are given for information only, depending on the construction of the wire rope.
For more information, please ask your wire rope supplier.

MAXIMAL EFFORT APPLIED ON THE HEADFITTING OF THE BLOCK

The maximal effort applied on the suspension depends on the load and on the α angle formed between the fall of the load and the fall on which this effort is applied.

The resultant value must be strictly lower to the working load limit of the block and the resistance of the anchorage point where the block is fitted.

Please refer to the table and sketch hereunder indicated:

α angle	Effort applied on the suspension
0°	Winch WLL x 2
15°	Winch WLL x 1.98
30°	Winch WLL x 1.95
45°	Winch WLL x 1.85
60°	Winch WLL x 1.73
90°	Winch WLL x 1.41
120°	Winch WLL x 1
150°	Winch WLL x 0.52
180°	0

Suspension effort

