

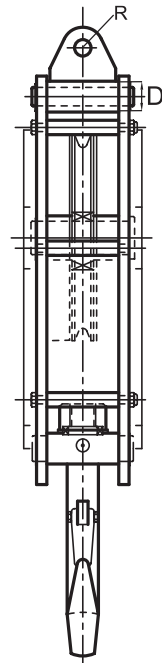
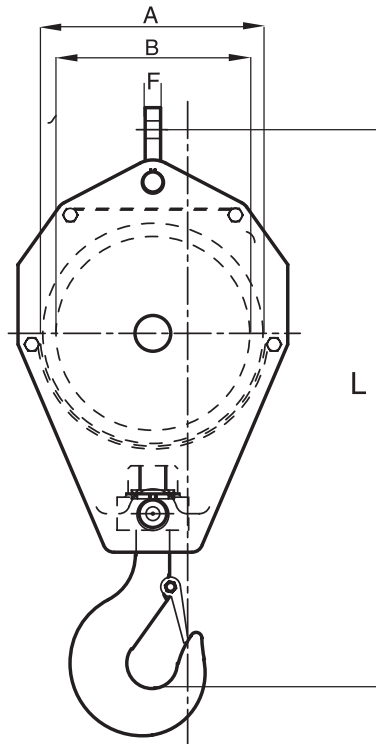
## ⚠ WARNING

DO NOT EXCEED WORKING LOAD LIMIT.

USE ONLY G80 & G100 COMPATIBLE COMPONENTS FOR OVERHEAD LIFTING.



## Crane Blocks



S.W.L on hook tons	No. of Sheaves	A mm	B mm	For Dia. Wire Rope mm	D mm	±L mm	F mm	R mm	Approx Weight. Per Pc. kg.
10	1	350	300	20	55	720	30	35	175
13	1	350	300	20	70	790	35	40	190
17	1	450	400	22	75	960	40	50	210
12	2	300	250	18	40	750	28	30	130
12	2	350	300	20	40	800	28	30	170
27	2	400	250	22	70	1060	40	42	220
27	2	450	400	22	70	1110	40	42	260
35	2	450	400	22	80	1220	45	50	280
15	3	300	250	18	45	750	25	30	145
18	3	350	300	20	50	850	28	30	190
30	3	400	350	22	60	1050	35	40	315
35	3	400	350	22	70	1125	35	40	315
20	4	350	300	20	55	870	28	30	290
27	4	350	300	20	55	980	28	30	290
32	4	350	300	20	60	1075	30	33	310
45	4	450	400	22	70	1300	35	40	475
45	4	500	450	26	70	1300	35	40	500

Specifications given are indicative and are subject to change.

### NOTE

- More and larger Sheaves: on request
- Hooks: plain or with thrust bearing
- Bearing type of sheaves: Roller / Ball Bearing
- Safety latch: on request

- Also available with Ramshorn hook.
- Weight: can be varied on request.
- Crane blocks of smaller & larger capacities are available on order.

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## Snatch Blocks



SINGLE SHEAVE  
WITH HOOK



SINGLE SHEAVE  
WITH SHACKLE

Sheave Size Inch	Wire Rope Size Inch	Capacity at F. OF S. 4:1 US Tons	Capacity at F. OF S. 2:1 US Tons
4 1/2	3/8 - 1/2	2 1/2	5
6	3/4	8	16
6	3/4	12	24
8	3/4	8	16
8	3/4	12	24
8	1 1/8	22	44
10	5/8 - 3/4	8	16
10	3/4	12	24
10	1 1/8	22	44
12	5/8 - 3/4	8	16
12	3/4	12	24
12	1 1/8	22	44
14	3/4	12	24
14	1 1/8	12	44

Specifications given are indicative and are subject to change.

Heavy Duty High Load Blocks supplied as per customers requirements.

### Bearings

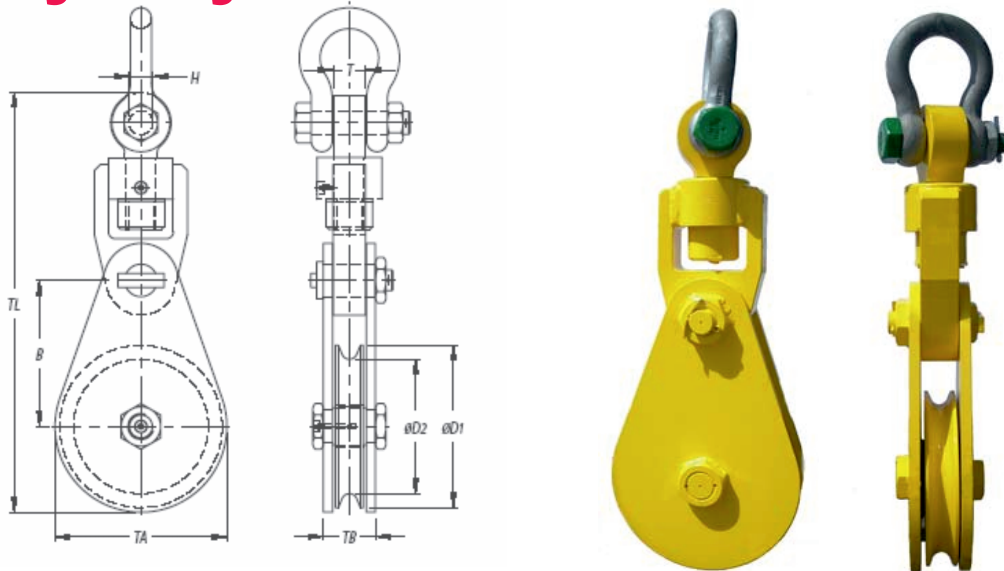
The 4½” Block is fitted with special bronze bush but can be fitted with taper roller bearings with special bronze bush if requested.

### Capacity

The 4:1 capacity load given in the table are the maximum head fitting loads that should be applied to the blocks. These capacity loads are based on a factor of safety of 4:1 and the blocks are proof tested to twice this capacity load. The table also details a comparative capacity load at factor of safety 2:1 so that the users may compare the ‘High Load’ blocks with alternative makes based on this Lower Safety Factor.



## Heavy Duty Snatch Block



SWL - Tons	Sheave Size - Nominal	For Wire Rope	D1	D2	B	H	T	TA	TB	TL	Weight (lbs.)
22 tons	12"	1" - 1-1/8"	11-13/16"	9-1/2"	10-1/16"	1-7/16"	2"	12-1/4"	3-1/4"	28-1/2"	120
22 tons	14"	1" - 1-1/8"	14-3/8"	11-13/16"	11-15/16"	1-7/16"	2"	14-3/4"	3-1/4"	31-1/4"	130
27.5 tons	12"	1" - 1-1/8"	11-13/16"	9-1/2"	10-1/16"	1-7/16"	2-1/8"	12-1/4"	3-5/16"	28-5/8"	125
27.5 tons	14"	1" - 1-1/4"	14-3/8"	11-13/16"	11-15/16"	1-9/16"	2-1/4"	14-3/4"	3-5/16"	31-1/4"	140
35 tons	16"	1" - 1-1/4"	15-3/4"	13-9/16"	12-3/4"	2-1/16"	2-3/4"	16-1/8"	4-7/16"	37-5/16"	265
35 tons	16"	1-1/8" - 1-3/8"	15-3/4"	13-9/16"	12-3/4"	2-1/16"	2-3/4"	16-1/8"	4-7/16"	37-5/16"	265
35 tons	18"	1" - 1-1/4"	17-11/16"	15-1/4"	13-3/4"	2-1/16"	2-3/4"	18-1/2"	4-7/16"	39-1/2"	310
35 tons	18"	1-1/4" - 1-3/8"	17-11/16"	15-1/4"	13-3/4"	2-1/16"	2-3/4"	18-1/2"	4-7/16"	39-1/2"	310
35 tons	20"	1" - 1-1/4"	19-1/2"	17"	14-3/4"	2-1/8"	2-3/4"	20"	4-7/16"	41-1/4"	330
35 tons	20"	1-1/4" - 1-1/2"	19-1/2"	17"	14-3/4"	2-1/8"	2-3/4"	20"	4-7/16"	41-1/4"	330
40 tons	20"	1-1/8" - 1-1/4"	19-1/2"	16-15/16"	15-3/4"	2-1/16"	2-3/4"	20"	4-13/16"	42-11/16"	440
40 tons	20"	1-1/8" - 1-1/2"	19-1/2"	16-15/16"	15-3/4"	2-1/16"	2-3/4"	20"	4-13/16"	42-11/16"	440
60 tons	24"	1-1/2"	23-1/2"	20-1/2"	18-1/8"	2-5/16"	3-1/8"	24"	5-9/16"	50-3/8"	680
60 tons	24"	1-3/4"	23-1/2"	20-1/2"	18-1/8"	2-5/16"	3-1/8"	24"	5-9/16"	50-3/8"	680

Specifications given are indicative and are subject to change.

- ♦ Blocks designed with 4:1 safety factor.
- ♦ All blocks individually proof load tested and stamped with certification number, model number, proof load and working load limit.
- ♦ Manufactured from high tensile alloy steel.
- ♦ Sheaves fitted with bronze bushing and grease nipple.
- ♦ Open type swivel with bronze thrust bearing. Lubricated through countersunk grease nipple fitting.

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# Safe Lifters

ESTD.1986

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## Wire Rope Pulley Block



(BS: 4018-1966)

A General Idea Indicating The Safe Working Loads Of Our Blocks

Dia of Sheave Circf. of Rope		6"	7"	8"	10"	12"	14"	16"	18"
		1"-1¼"	1¼"-1½"	1½"-1¾"	1¾"-2¼"	2¼"-2½"	2½"-3"	3"-3½"	3½"-4"
S.W.L. Tons	Single Sheave	0.75	1.5	2	3	5	6	7	10
	Double Sheave	1	2	3	5	8	10	15	20
	Triple Sheave	1.5	2.5	5	10	12	15	20	25

### Safe Working Loads (S.W.L.) Of Rigs B.S.: 4018-1966

Dia. of Sheave		Dia. of Rope		S.W.L. per Single part of rope Ton	Safe Working Loads of Rigs				
					1/1 Rig	2/1 Rig	2/2 Rig	3/2 Rig	3/3 Rig
inch	mm	inch	mm		Ton	Ton	Ton	Ton	Ton
5	127	3/8	9	0.75	1.5	2.25	3.0	3.75	4.5
6	152	7/16	11	1.0	2.0	3.0	4.0	5.0	6
7	177	1/2	13	1.25	2.5	3.75	5.0	6.25	7.5
8	203	9/16	14	1.50	3.0	4.50	6.0	7.40	9.0
9	228	5/8	16	2.0	4.0	6.0	8.0	10.0	12.0
11	279	3/4	19	3.0	6.0	9.0	12.0	15.0	18.0
12	304	7/8	22	4.0	8.0	12.0	16.0	20.0	24.0

Specifications given are indicative and are subject to change.

### Selection Criteria: Sheave Dia = At least 12 Rope Dia

The safe working load per single part of rope is approximately one sixth of the nominal breaking load of ropes as specified in B.S.302 621 in the 6 x 37 group of tensile strength 100/110 ton / inch<sup>2</sup> (160/175 kgf/mm<sup>2</sup>). This is the nominal breaking load on which the design of blocks to this standard is based.

The manner of test laid down in schedule II of DOCK Workers (Safety, Health, and Welfare) Regulations, 1990, is as follows:

ARTICLE OF GEAR	PROOF LOAD
Single sheave pulley block	Four times the safe working load
Multiple sheave block with safe working load up to and including 20 tons	Twice the safe working load
Multiple sheave block with safe working load over 20 tons up to and including 40 tons	20 tons in excess of the safe working load
Multiple sheave block with safe working load over 40 tons	One and a half times the safe working load

**Note:** Higher capacity pulley blocks manufactured against order.

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## Manila Rope Pulley Block



SINGLE SHEAVE



DOUBLE SHEAVE



THREE SHEAVE

Dia. of Sheave ( inches )	Dia. of Rope ( inches )	S.W.L ( Kgs )	No. of Sheave
3 1/2 "	1 / 2 "	100	Single
3 1/2 "	1 / 2 "	150	Double
3 1/2 "	1 / 2 "	250	Triple
4 "	5 / 8 "	150	Single
4 "	5 / 8 "	200	Double
4 "	5 / 8 "	300	Triple
4 3/4 "	3 / 4 "	200	Single
4 3/4 "	3 / 4 "	400	Double
4 3/4 "	3 / 4 "	500	Triple
6 "	1 "	500	Single
6 "	1 "	1000	Double
6 "	1 "	1500	Triple
7 "	1 1/4 "	600	Single
7 "	1 1/4 "	1500	Double
7 "	1 1/4 "	2000	Triple
8 "	1 1/2 "	1000	Single
8 "	1 1/2 "	2000	Double
8 "	1 1/2 "	2500	Triple
10 "	2 "	1500	Single
10 "	2 "	2500	Double
10 "	2 "	4000	Triple

Specifications given are indicative and are subject to change.