

Wire Rope Pulley Blocks

(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

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 / inch² (160/175 kgf/mm²). 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.

Specifications given are indicative and are subject to change.