

HARKEN®

INSTRUCTION SHEET

Black Magic Footblocks

N15W24983 Bluemound Rd., Pewaukee, WI 53072-4974 USA

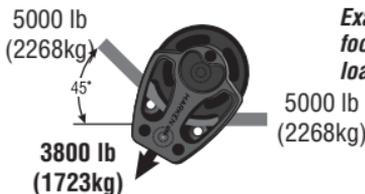
Tel: 262-691-3320, Fax: 262-701-5780 • Web: www.harken.com, Email: harken@harken.com



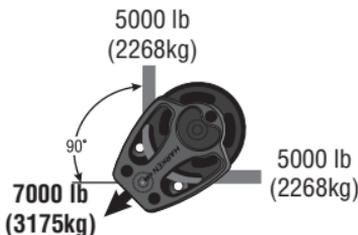
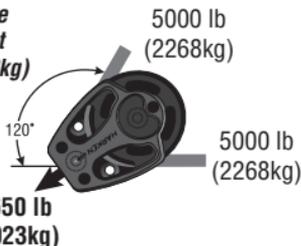
WARNING! Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury or death.
See www.harken.com/manuals for additional safety information.

Block Loading vs Angle of Deflection

Block load increases when the line turns at a greater angle. Block loads double when the line turns 180 degrees. See example below. Select blocks carefully.



Example shows single footblock with a sheet load of 5000 lb (2268kg)



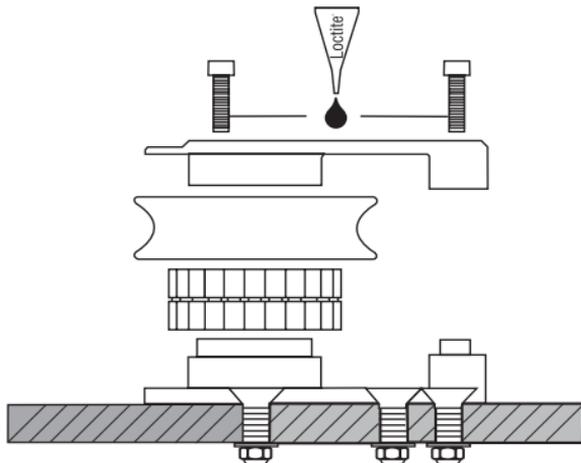
Angle of deflection	Load factor	Angle of deflection	Load factor	Angle of deflection	Load factor
30°	52%	90°	141%	150°	193%
45°	76%	105°	159%	160°	197%
60°	100%	120°	173%	180°	200%
75°	122%	135°	185%	—	—

Installing Block

Make sure block bisects the angle as shown in block loading images on first page. Take block apart, secure base to deck and assemble block per diagram.



WARNING! You must mount to solid deck construction using specified fasteners in all mounting holes and nuts, washers or backing plates to achieve correct maximum working load to avoid a failure leading to an accident.



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Maintenance

Keep your equipment clean and free-running by frequently flushing with fresh water. Periodically clean with mild detergent and water solution. Spin sheaves to distribute soap solution evenly. Occasionally disassemble and clean rollers and balls with detergent and water solution. Assemble using Blue Loctite® on screws.

IMPORTANT! Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.

Warranty

For additional safety, maintenance and warranty information see www.harken.com/ manuals or the Harken® catalog.