

HARKEN**INSTRUCTION SHEET****Black Magic Footblocks**

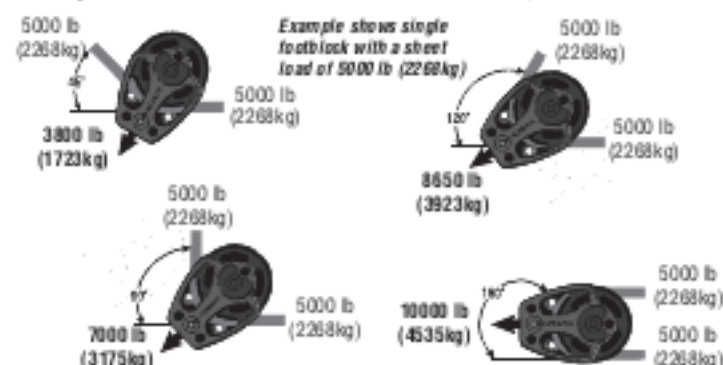
N 19W2-4933 Bluemound Rd., Pewaukee, WI 53072-4974 USA
 Tel: 262-691-3320, Fax: 262-701-5780 • Web: www.harken.com, Email: harken@harken.com



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.



Angle of deflection	Load factor	Angle of deflection	Load factor	Angle of deflection	Load factor
30°	62%	90°	141%	150°	193%
45°	76%	105°	159%	160°	197%
60°	100%	120°	173%	180°	200%
75°	122%	135°	185%	—	—

HARKEN**INSTRUCTION SHEET****Black Magic Footblocks**

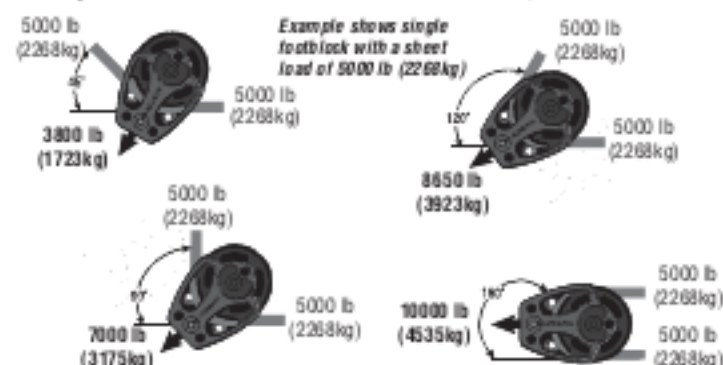
N 19W2-4933 Bluemound Rd., Pewaukee, WI 53072-4974 USA
 Tel: 262-691-3320, Fax: 262-701-5780 • Web: www.harken.com, Email: harken@harken.com



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.



Angle of deflection	Load factor	Angle of deflection	Load factor	Angle of deflection	Load factor
30°	62%	90°	141%	150°	193%
45°	76%	105°	159%	160°	197%
60°	100%	120°	173%	180°	200%
75°	122%	135°	185%	—	—

HARKEN**INSTRUCTION SHEET****Black Magic Footblocks**

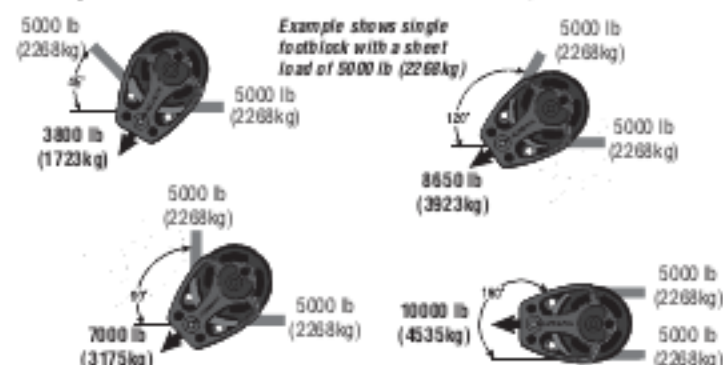
N 19W2-4933 Bluemound Rd., Pewaukee, WI 53072-4974 USA
 Tel: 262-691-3320, Fax: 262-701-5780 • Web: www.harken.com, Email: harken@harken.com



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.



Angle of deflection	Load factor	Angle of deflection	Load factor	Angle of deflection	Load factor
30°	62%	90°	141%	150°	193%
45°	76%	105°	159%	160°	197%
60°	100%	120°	173%	180°	200%
75°	122%	135°	185%	—	—

HARKEN**INSTRUCTION SHEET****Black Magic Footblocks**

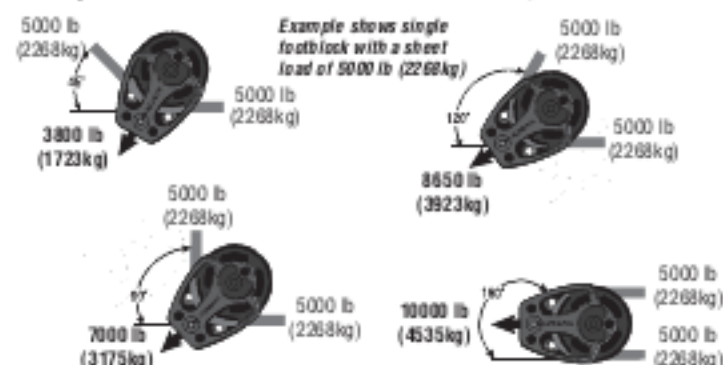
N 19W2-4933 Bluemound Rd., Pewaukee, WI 53072-4974 USA
 Tel: 262-691-3320, Fax: 262-701-5780 • Web: www.harken.com, Email: harken@harken.com



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.



Angle of deflection	Load factor	Angle of deflection	Load factor	Angle of deflection	Load factor
30°	62%	90°	141%	150°	193%
45°	76%	105°	159%	160°	197%
60°	100%	120°	173%	180°	200%
75°	122%	135°	185%	—	—