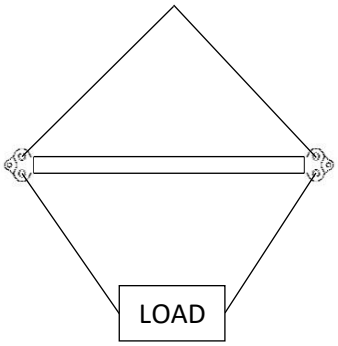
Manual edition: Jan, 22, 2020
TECH SPECS: www.tracers.ru/en/techspecs

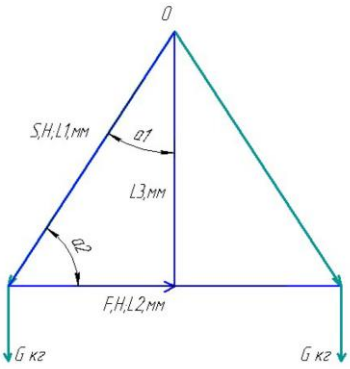
CARBON SPREADER BAR #SBC002

60cm, 80cm, 100cm, 120cm



WLL (Working Load Limit): 400kg
MBS (Minimum Breaking Strength): 22kN

Force applied on tube with different rope length:



$G := 200$ kg

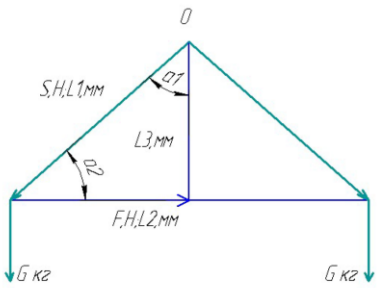
$g := 9,81$

$L1 := 1100$ мм

$L2 := 1200$ мм

$L3 := L1 \cdot \cos(a1) = 921,9544$ мм

$F := \frac{G \cdot L2}{2 \cdot L3} = 130,1583$ kg



$G := 200$ kg

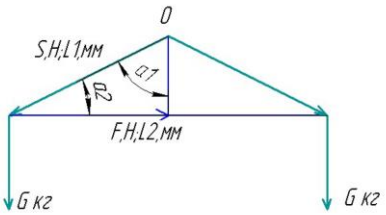
$g := 9,81$

$L1 := 800$ мм

$L2 := 1200$ мм

$L3 := L1 \cdot \cos(a1) = 529,1503$ мм

$F := \frac{G \cdot L2}{2 \cdot L3} = 226,7787$ kg



$G := 200$ kg

$g := 9,81$

$L1 := 650$ мм

$L2 := 1200$ мм

$L3 := L1 \cdot \cos(a1) = 250$ мм

$F := \frac{G \cdot L2}{2 \cdot L3} = 480$ kg

* spreader bar carbon tube MBS (F) is 22kN (2200kg)

Contact us: TEL: +7-495-155-6451 E-MAIL: mail@tracers.ru

PARTS:

Carbon tube

ID (Inner Diameter): 19mm
OD (Outer Diameter): 25mm
Material: Japanese raw carbon fiber
Carbon tube wall thickness: 3mm

Details on the ends

Material: Russian highest grade aluminum В95ОЧТ2 or В95ОЧТ3 (7075T6 analog)
Main holes are intended for shackles: 8mm (5/16in)
Secondary task holes are intended for shackles: 5mm (1/4in)