

Digging the sustainable Twaron gold

Deep mining ropes (1000 – 3000 meters)

Steel rope

Total rope weight:

15-30 ton/rope

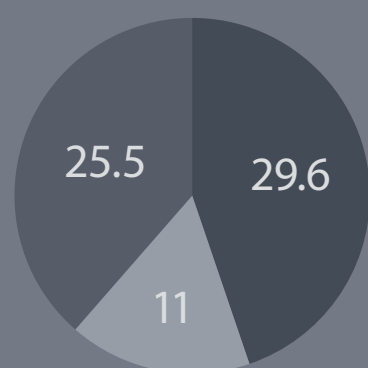
Strength / mass ration:

~ 200 kN per kg/m

CO2 per ton ore:

100% kN per kg/m

Case Study Suspended Loads



Skip mass:

11 ton

Skip payload:

25.5 ton

Rope mass:

29.6 ton

Power consumption:

~ 160 kW / ton ore

Twaron rope

Total rope weight:

3-6 ton/rope

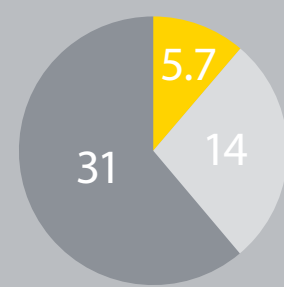
Strength / mass ration:

~ 1000 kN per kg/m

CO2 per ton ore:

60 – 80% kN per kg/m

Case Study Suspended Loads



Skip mass:

14 ton

Skip payload:

31 ton

Rope mass:

5.7 ton

Power consumption:

~ 120 kW / ton ore

Twaron is an intrinsic sustainable material: light, strong, low maintenance, high temperature area, chemical resistant.

For more information: www.teijinaramid.com

Twaron®

The power of Aramid