Lifting Solutions Group
Axel Johnson International

Flat Braided Wire Sling Powertex - FWS

Product information



The Powertex Flat Braided Wire Sling FWS is a flexible, cut-resistant steel wire lifting sling designed for controlled, stable load handling in industrial environments. It is manufactured from 10 galvanized 6x19M-WSC steel wire ropes braided together to create a flat lifting surface. This construction provides high flexibility combined with a wide contact area, helping distribute the load more evenly.

The FWS is suited for advanced lifting operations that require flexible yet cut-resistant slings. Each lot is break-tested before delivery and is fully traceable to its raw materials.

When to choose this product

- When you need a flexible steel wire sling that adapts well to loads
- When you want improved load contact compared to traditional round wire rope slings
- When your operation requires cut-resistant slings

It operates from -40°C to +150°C, making it suitable for both cold outdoor sites and hot industrial environments.

Product Benefits

- **Flat braided construction made from 10 steel wire ropes**
  Provides greater flexibility and a wider load contact surface than standard wire rope slings, helping improve load stability and reduce pressure points on the lifted object.
- **Made from robust and galvanized steel wire ropes**
  The wire ropes offer higher safety against abrasion and cutting compared to textile slings. They also deliver predictable strength and durability, while galvanization helps protect against corrosion in everyday industrial environments.
- **Equipped with an aluminium conical ferrule with an inspection hole**
  Conical ferrules prevent the sling from getting caught, while the insp... *Read more*

Rope construction: 10 x 6x19M-WSC steel wire ropes braided together
Marking: CE-mark, PX or POWERTEX, ID number, WLL, Type, Length, Date of manufacturing (On one ferrule)
Temperature range: -40°C up to +150°C
Finish: Galvanized

Safety factor: 5:1

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Technical data

Part code	Code	WLL ton	EWL m	Choke Hitch ton	Basket Hitch 0° ton	Basket Hitch 0-45° ton	Basket Hitch 45°-60° ton	Sling width mm	Weight kg
161500100100040	FWS0950	0.95	1	0.76	1.9	1.33	0.95	18	0.43
161500100200040	FWS0950	0.95	2	0.76	1.9	1.33	0.95	18	0.7
161500100300040	FWS0950	0.95	3	0.76	1.9	1.33	0.95	18	0.95
161500100400040	FWS0950	0.95	4	0.76	1.9	1.33	0.95	18	1.21
161500100500040	FWS0950	0.95	5	0.76	1.9	1.33	0.95	18	1.48
161500100600040	FWS0950	0.95	6	0.76	1.9	1.33	0.95	18	1.73
161500100800040	FWS0950	0.95	8	0.76	1.9	1.33	0.95	18	2.25
161500160100040	FWS1600	1.6	1	1.2	3.2	2.2	1.6	25	1.04
161500160200040	FWS1600	1.6	2	1.2	3.2	2.2	1.6	25	1.57
161500160300040	FWS1600	1.6	3	1.2	3.2	2.2	1.6	25	2.1
161500160400040	FWS1600	1.6	4	1.2	3.2	2.2	1.6	25	2.61
161500160500040	FWS1600	1.6	5	1.2	3.2	2.2	1.6	25	3.13
161500160600040	FWS1600	1.6	6	1.2	3.2	2.2	1.6	25	3.67
161500160800040	FWS1600	1.6	8	1.2	3.2	2.2	1.6	25	4.75
161500250100040	FWS2500	2.5	1	2	5	3.5	2.5	30	1.64
161500250200040	FWS2500	2.5	2	2	5	3.5	2.5	30	2.3
161500250300040	FWS2500	2.5	3	2	5	3.5	2.5	30	3
161500250400040	FWS2500	2.5	4	2	5	3.5	2.5	30	3.6
161500250500040	FWS2500	2.5	5	2	5	3.5	2.5	30	4.37
161500250600040	FWS2500	2.5	6	2	5	3.5	2.5	30	4.95
161500250800040	FWS2500	2.5	8	2	5	3.5	2.5	30	6.34
161500320120040	FWS3200	3.2	1.2	2.5	6.4	4.4	3.2	34	2.73
161500320200040	FWS3200	3.2	2	2.5	6.4	4.4	3.2	34	3.51
161500320300040	FWS3200	3.2	3	2.5	6.4	4.4	3.2	34	4.5
161500320400040	FWS3200	3.2	4	2.5	6.4	4.4	3.2	34	5.51
161500320500040	FWS3200	3.2	5	2.5	6.4	4.4	3.2	34	6.48
161500320600040	FWS3200	3.2	6	2.5	6.4	4.4	3.2	34	7.23
161500320800040	FWS3200	3.2	8	2.5	6.4	4.4	3.2	34	9.23

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