

WRD-FN9 / SYNTHETIC CARRIER POLYMER LINE

Spider Line FN9 Series

Apex High-Tensile Semi-Flat Extraction Line

Engineered for high-torque applications and dense, aged structural adhesives. The FN9 features a proprietary high-density carrier braid with a semi-flat profile that significantly reduces drag, heat buildup, and friction during long windshield extractions.



515 lbs BREAKING STRENGTH	1.05 mm (Semi-flat) DIAMETER PROFILE	Semi-flat carrier BRAID GEOMETRY
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Semi-flat carrier braid

Lays flatter against pinchweld surfaces to distribute torque, minimize drag, and smoothly shear hardened urethanes.

Highest tensile rating

Delivers a massive 515 lbs of breaking strength, providing the highest reliability and break-resistance in the WRD catalog.

Advanced abrasion barrier

Coated with a heavy-duty polymer protection layer to resist degradation from glass edges and pinchweld friction.

Outstanding reusability

Retains structural integrity across multiple extraction cycles, yielding up to 12 windshield cuts per standard length.

TECHNICAL SPECIFICATIONS

Diameter range	1.05 mm
Breaking strength	515 lbs
Braid geometry	Semi-flat carrier braid
Standard spool size	96 meters (315 ft)
Length markings	Unmarked continuous line
Reusability rating	Up to 12 cuts
Salvage rating	Moderate (molding preservation depends on clearance)

COMPATIBLE SYSTEMS

Spider 3 / 3M (WRD-S3 / S3M)	Spider 4 / 4M (WRD-S4 / S4M)
Orange Bat (WRD-OB)	Bison (WRD-BN)

FIELD OPERATION NOTES

- **Tension management;** If the line catches on a hidden clip or alignment pin, back off drill torque completely and utilize pick tools to work past the snag manually.
- **Warranty warning;** Strictly deploy synthetic polymer lines. Traditional steel wire is prohibited and will score spools and void tool warranties.
- **Dispenser routing;** Feed the line through the Cutting Line Dispenser 2.0 (WRD-LD2) to introduce controlled friction and prevent source spool tangling.

CUT PRO PERFORMANCE LINE SELECTION GUIDE

LINE SERIES	SKU	PROFILE & BRAID	DIAMETER	STRENGTH	REUSABILITY	SALVAGE RATE	BEST FIT APPLICATION
FN9 Series	WRD-FN9	Semi-flat carrier braid	1.05 mm (Semi-flat)	515 lbs	Up to 12 cuts	Moderate	Apex line; high-torque shear on tough, aged adhesives.
P10 Series	WRD-P10	Thick solid braid	1.20 mm	468 lbs	Up to 12 cuts	Low	Commercial buses, trucks, and heavy machinery.
P8 Series	WRD-P8	Standard solid braid	1.00 mm	410 lbs	Up to 10 cuts	Moderate	General passenger sedans & light trucks (workhorse).
X Series	WRD-X	Slim solid braid	0.85 mm	371 lbs	Up to 7 cuts	Good	Optimal mid-gauge balance; preserves encapsulations.
SF 301	WRD-SF301	Flat braid	0.85 mm (Flat)	270 lbs	Up to 5 cuts	Good	Zero-clearance paths; slides between panels.
P6 Series	WRD-P6	Ultra-thin precision braid	0.65 mm	279 lbs	Up to 4 cuts	Great	Luxury European imports with zero-tolerance gaps.