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Milbar SafetyTwist — safety wire twisters, 6 to 19 in

Milbar SafetyTwist wire twisters, from the maker's catalog: dimensions, wire capacity and every part number.

Specification

Item	Value
Type	Safety wire twister
Material	High carbon alloy steel forgings
Maker	Milbar, a brand of Stride Tool (Imperial)
Nominal sizes	6, 9 and 12 in; 19 in long reach
Standard quoted	ASME B107.500-2010, printed on the reversible, automatic return and manual return tables

Dimensions by size

Dimension, in	25W, 30W, 45W	Other 6 in	26W, 41W	Other 9 in	42W	Other 12 in
Wire capacity, in dia. (mm)	0.041 (1.04)	0.041 (1.04)	0.060 (1.52)	0.060 (1.52)	0.060 (1.52)	0.060 (1.52)
A — Overall length	8-3/4 (222.25)	8-3/8 (212.73)	11 (279.4)	10-1/2 (266.7)	12-1/4 (311.15)	11-7/8 (301.63)
B — Across the handles	1-3/8 (34.93)	1-3/8 (34.93)	1-3/4 (44.45)	1-3/4 (44.45)	2 (50.8)	2 (50.8)
C — Jaw length	1-1/8 (28.58)	1-1/8 (28.58)	1-9/16 (39.69)	1-9/16 (39.69)	1-9/16 (39.69)	1-9/16 (39.69)
D — Jaw width	5/8 (15.88)	5/8 (15.88)	13/16 (20.64)	13/16 (20.64)	13/16 (20.64)	13/16 (20.64)
E — Nose, side view	3/8 (9.53)	3/8 (9.53)	7/16 (11.11)	7/16 (11.11)	7/16 (11.11)	7/16 (11.11)
Weight, oz	9.7	8.3	14.0	12.9	14.6	14.0

A to E as lettered on the maker's drawing. Inches are the maker's figures and are official; millimetres in brackets are converted (inches × 25.4) and are not official. The 19 in 13W is not in this table.

Part numbers

6 in 4 part numbers

Part no.	Return	Twist	Nose	Jaw	Wire capacity, in (mm)
11W	Auto	Right	Diagonal	Standard	0.041 (1.04)
25W	Auto	Reversible	Diagonal	Cushion throat	0.041 (1.04)
30W	Manual	Right	Diagonal	Standard	0.041 (1.04)
45W	Auto	Reversible	Diagonal	Standard	0.041 (1.04)

9 in 8 part numbers

Part no.	Return	Twist	Nose	Jaw	Wire capacity, in (mm)
1W	Manual	Right	Diagonal	Standard	0.060 (1.52)
1W393	Auto	Right	Diagonal	Standard	0.060 (1.52)
3W5	Manual	Right	Diagonal	Cushion throat	0.060 (1.52)
3W6	Auto	Right	Diagonal	Cushion throat	0.060 (1.52)
41W	Auto	Reversible	Diagonal	Standard	0.060 (1.52)
5W4	Auto	Left	Diagonal	Standard	0.060 (1.52)
5W6	Manual	Left	Diagonal	Standard	0.060 (1.52)
26W	Auto	Reversible	Diagonal	Cushion throat	0.060 (1.52)

12 in 5 part numbers

Part no.	Return	Twist	Nose	Jaw	Wire capacity, in (mm)
2W	Manual	Right	Diagonal	Standard	0.060 (1.52)
2W393	Auto	Right	Diagonal	Standard	0.060 (1.52)
42W	Auto	Reversible	Diagonal	Standard	0.060 (1.52)
6W4	Auto	Left	Diagonal	Standard	0.060 (1.52)
6W6	Manual	Left	Diagonal	Standard	0.060 (1.52)

19 in 1 part number

Part no.	Return	Twist	Nose	Jaw	Wire capacity, in (mm)
13W	Manual	Right	—	—	—

Notes

- Cushion throat catches clipped wire ends, preventing foreign object damage. Spring return retracts the twist rod automatically.
- Kit 105W: 9 in automatic 1W393, 6 in mini 11W, 19 in long reach 13W, three 1/4 lb spools of stainless wire (.020, .032, .041 in), plastic case; 4 lb. NSN 5180-90-986-8939.
- Kit 109W: 6 in mini 11W, 19 in long reach 13W, the same three spools, plastic case; 2 lb 12 oz. NSN 5180-01-337-9841.
- Double twist method, as the maker summarizes AS567: maximum span between tension points 6 in (152 mm); maximum wire in one application 24 in (609 mm).
- Twists per inch by wire diameter, where one twist is half a complete turn: .020 to .025 in, 8 to 14; .032 to .041 in, 6 to 11; .051 to .060 in, 4 to 9. Pigtail no more than 3/4 in with at least four twists. Your manual governs.
- From the maker's 2016 catalog: check current availability before you order.
- The catalog listings linked to this sheet (6 in and 9 in reversible pliers) do not name the maker. They are the same type, not confirmed Milbar parts, and the figures here apply only to the part numbers on this sheet.

SOURCES · Imperial Professional Tools Catalog 2016, Milbar Wire Twisters, pp. 69-73 · Imperial Tools, Milbar wire twisters

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theaviationpoint.com/parts/tools/milbar-41w/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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