

UNIVERSAL BRACKETING SYSTEM

523-24 SERIES

PowerBar™

SPECIFICATION

Sioux Chief 523 Series PowerBar universal bracketing system shall be used where necessary for supporting tube or stub outs in residential and commercial applications. Bracket shall be corrosion resistant and adjust telescopically from 14"–26", and have dual fastening tabs on each end. Pilot holes shall be provided on three sides of the bracket measuring .1". Bracket shall include UV-resistant adjustable Touchdown™ clamps with elastomer inserts for securing and supporting tube, pipe, plastic or steel conduit. Bracketing system shall be compatible with copper, PEX and CPVC and IAPMO certified.

INSTALLATION

Adjust bracket telescopically to fit between studs/joists and maintain a minimum overlap of 2" in center. Fasten all four tabs to building member. Slide Touchdown clamps to desired position. Place tube between clamp posts. Ratchet bridge evenly over both posts. Bow the bridge to prevent lateral movement. Fastening one bracket section directly to the building structure as a pipe organizer is acceptable.

MATERIALS

Bracket: 20-ga. galvanized steel

Channel clamp and bridge (black): nylon 66, UL-94 V2

Channel clamp and bridge (orange): polyvinylidene fluoride (PVDF), meets ASTM E84 25/50 & UL-94 V0

Clamp insert: TPE (black clamp), PVDF (orange clamp)

Screws: #8 × 1" Phillips, pan head, drill-tip, zinc-plated

SAFE WORKING LOAD*

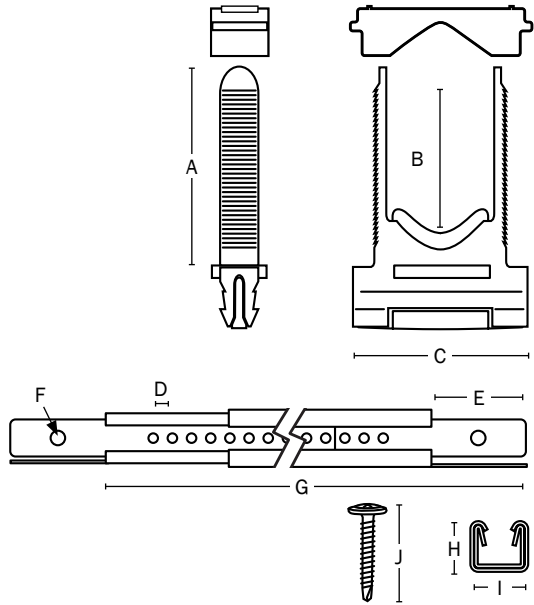
Bracket		Nylon clamps		E84 (PVDF) clamps	
Span	Safe load	Temp.	Safe load	Temp.	Safe load
14"	150 lbs.	-10°–130°F	70 lbs.	-10°–130°F	50 lbs.
17"	115 lbs.	131°–179°F	38 lbs.	131°–179°F	35 lbs.
21"	80 lbs.	180°–220°F	12 lbs.	180°–220°F	25 lbs.
24"	45 lbs.	220°F +	—	220°F +	—

*Safe working load = one-half failure of centrally hung load

DIMENSIONS

A: channel clamp post	1 ⁷ / ₈ "
B: clamping range	¼"-1 ¹ / ₈ "
C: channel clamp base	1 ⁷ / ₈ "
D: pilot hole centerline	0.203"
E: tab length	1"
F: tab hole diameter	0.15"
G: outer/inner bracket length	14"
H: bracket height	0.529"
I: bracket width	0.602"
J: screw length	1"

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG



Made in USA

Create Item Number

523A

e.g. **523-2424**: 14"–26" adjustable steel bracket with two nylon clamps and four screws.

BRACKET CONFIGURATION A

- 24 = no clamps; no screws
- 2414 = one clamp; four screws
- 2424 = two clamps; four screws
- F2424 = two E84 clamps; four screws
- 2404 = no clamps; six screws
- 2434 = three clamps; four screws