

SuitCase® X-TREME™ 8VS & 12VS **Voltage-Sensing Wire Feeder**



Quick Specs

Industrial Applications

Shipbuilding
Construction
Heavy manufacturing
Rental

Processes

MIG (GMAW)
Flux-cored (FCAW)
Pulsed MIG (GMAW-P)

Input Power 14–48 VDC operating voltage
110 VDC maximum OCV

Wire Feed Speed 50–780 ipm (1.3–19.8 m/min.)

Weight 8VS: 28 lb. (13 kg) 12VS: 35 lb. (15.9 kg)

Portable wire feeding at its best

Voltage-sensing, portable feeders designed to run off of arc voltage from almost any welding power source, provide extreme reliability for construction and fabrication.



SuitCase® X-TREME™ 8VS with optional meters

SuitCase® X-TREME™ 12VS



Built to last in harsh industrial environments



Integrated tachometer improves weld quality



Wire feeder is warranted for three years, parts and labor.



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SuitCase® X-TREME™ Features

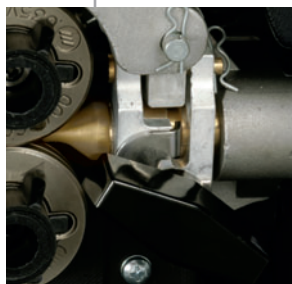


Ultra-low drag inlet guide pins make loading the wire easy and do not deform the wire on the way into the drive rolls. Simply thread the wire through the pins and into drive rolls. There are two ways to advance the wire through the drive roll and into the gun. Either open the pressure arm and thread the wire into the grooves in the drive roll and on into the gun inlet **or** place the wire between the pins and use the jog/purge switch to advance the wire through the drive roll.

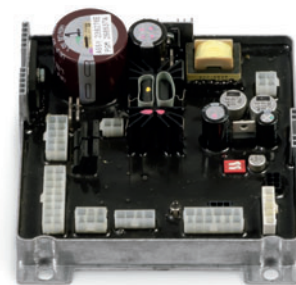


Scaled wire pressure knob provides easy adjustment and consistent pressure on the drive rolls and wire. **Wire drive and motor assembly** is specifically designed for mobile welding applications to provide smooth and consistent wire delivery. Improved motor torque and drive roll system are designed to feed small-diameter solid wire (.023 inch) to large-diameter cored wire (5/64 inch).

Electronic wire feed speed control with integrated tachometer ensures wire feed speed accuracy and consistency that rivals the best benchtop feeders — making it easier to produce quality welds.



Gun locking tab works with guns having corresponding locking grooves to prevent gun from being pulled out if the feeder is dragged by the gun.



Potted and trayed main printed circuit board for the harshest environments adds exceptional reliability. Board has full-trigger isolation so a shorted gun trigger will not affect feeder operation.

Digital meters with SunVision™ technology can display voltage and wire speed, and also amperage if desired. Meters can be seen clearly even in direct sunlight. (8VS: Meters optional).

Front panel has trigger hold, wire jog, and gas purge all located on front panel.

Polypropylene case with built-in slide rails and the ability to open the door to change wire with feeder in vertical position.

Wire speed dual schedule reduces wire speed to 87.5 percent of standard speed. Requires a dual schedule gun or dual schedule switch (sold separately).



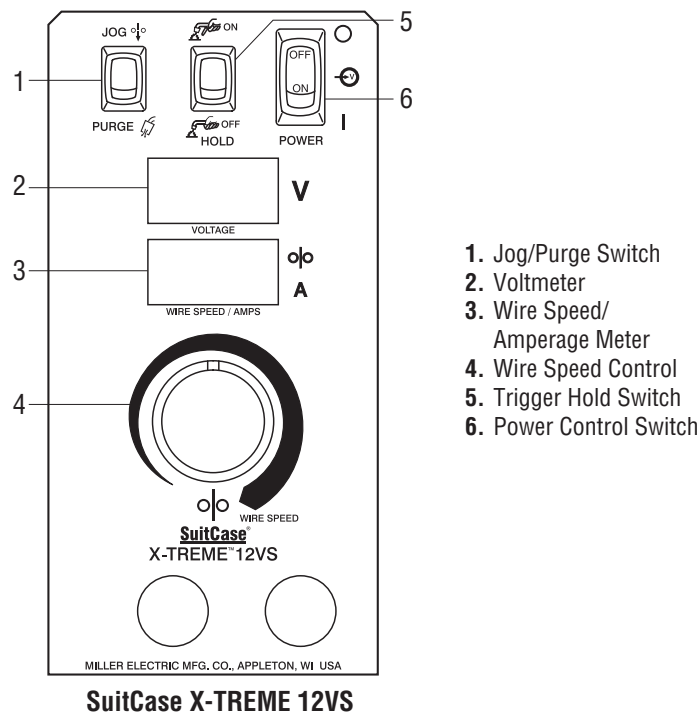
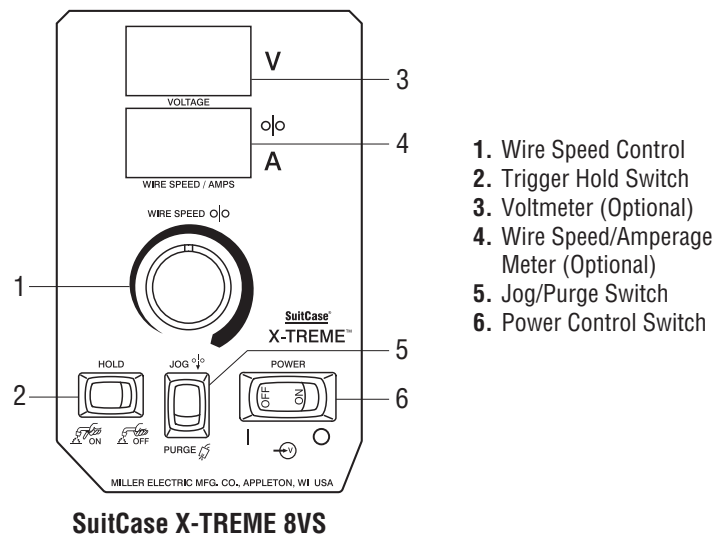
Gas inlet recessed into back of case is protected from incidental contact by the weld cable, ensuring consistent and contaminant-free shielding gas delivery to the gun. **Double-filtered gas valve** helps keep dirt from clogging and affecting gas flow.

Specifications (Subject to change without notice.)







Model	Input Power	Welding Power Source Type	Input Welding Circuit Rating	Wire Speed	Electrode Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
8VS	Operates on open-circuit voltage and arc voltage: 14–48 VDC/ 110 max OCV	CC or CV DC power sources. AC type not recommended.	330 A at 60% duty cycle	50–780 ipm (1.3–19.8 m/min.)	Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	8 in. (203 mm) 14 lb. (6.4 kg)	H: 12.75 in. (324 mm) W: 7.25 in. (184 mm) D: 18 in. (457 mm)	28 lb. (13 kg)
12VS			425 A at 60% duty cycle	dependent on arc voltage.	Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	12 in. (305 mm) Up to 45 lb. (20 kg)	H: 15.5 in. (394 mm) W: 9 in. (229 mm) D: 21 in. (533 mm)	35 lb. (15.9 kg)

Control Panel



Drive Rolls (Two required. Order from Miller Service Parts.)

Select drive rolls from chart below according to type and wire size being used. Wire inlet guide comes installed on this wire feeder.

Wire Size	 "V" groove for hard wire	 "U" groove for soft wire or soft-shelled cored wires	 "V" knurled for hard-shelled cored wires	 "U" cogged for extremely soft wire or soft-shelled cored wires (i.e., hard facing types)
.023/.025 in. (0.6 mm)	087130	—	—	—
.030 in. (0.8 mm)	053695	—	—	—
.035 in. (0.9 mm)	053700	072000	132958	—
.040 in. (1.0 mm)	053696	—	—	—
.045 in. (1.1/1.2 mm)	053697	053701	132957	083489
.052 in. (1.3/1.4 mm)	053698	053702	132956	083490
1/16 in. (1.6 mm)	053699	053706	132955	053708
.068/.072 in. (1.8 mm)	—	—	132959	—
5/64 in. (2.0 mm)	—	053704	132960	053710

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
SuitCase® X-TREME™ 8VS	951582	With Bernard™ BTB Gun 300 A		
	951583	With Bernard™ BTB Gun 300 A (without meters)		
SuitCase® X-TREME™ 12VS	951543	With Bernard™ BTB Gun 300 A		
	951544	With Bernard™ Dura-Flux™ gun		
Flowmeter Kit	300343			
Inline Filter	195189			
Spool Adapter	047141	For 14 lb. spools		
Dual Schedule Switch DSS-9-15	071833			
International Gun Adapter	164902	Adapter is required to connect SuitCase X-TREME to a Euro-style gun		
Guns				
Bernard™ BTB Gun 300 A (GMAW)		See Bernard literature SP-BTB		
Bernard™ Dura-Flux™ (FCAW)		See Bernard literature SP-DF		
Bernard™ PipePro® Dura-Flux™ (FCAW)		Dura-Flux gun with built-in dual schedule switch. See Bernard literature SP-DFPXC		
Power Sources				
XMT® 350 Series and 450 Series		See literature DC/18.93 and DC/18.94		
Dimension™ Series		See literature DC/19.2		
Gold Star® Series		See literature DC/8.1		
Big Blue® 400 Pro and 400 PipePro®		See literature ED/5.7 and ED/5.8		
Big Blue® 500 Pro		See literature ED/11.0		
Big Blue® 600 Series		See literature ED/11.5		
Big Blue® 800 Series		See literature ED/14.0		
Bobcat™ Series		See literature ED/4.4		
Trailblazer® Series		See literature ED/4.75, ED/4.78 and ED/4.8		
Consumables				
Drive Rolls				
Wire				

Date:

Total Quoted Price:

Distributed by:

