Issued Feb. 2011 • Index No. DC/18.82

CST™ 280 4-Pack and 8-Pack Rack

Multioperator Welding Systems

Quick Specs

Heavy Industrial Applications
- Construction
- Turnarounds
- Maintenance
- Shipbuilding
- Rental Fleets

Processes
- Stick (SMAW)
- TIG (GTAW)
- Air Carbon Arc (CAC-A) Cutting and Gouging

Input Power: 220–230/460–575 V, 50/60 Hz, 3-Phase

Dimensions:

4-Pack	8-Pack
H: 50-3/4 in (1289 mm)	H: 50-3/4 in (1289 mm)
W: 25-1/2 in (648 mm)	W: 46 in (1165 mm)
D: 26-1/2 in (673 mm)	D: 26-1/2 in (673 mm)

Rack Weight with Power Sources:
4-Pack 355 lb (161 kg) **8-Pack** 640 lb (290 kg)

The Power of Blue.®

CST Rack Benefits

Arc Performance—Excellent weld performance is provided in both Stick and TIG. Superior Stick arc performance even on the difficult-to-run electrodes like E6010.

Simplicity—Minimum operator controls require no training. Adaptive Hot Start™ automatically sets optimum starting conditions for stick electrode. Process selector switch automatically sets the optimum volt-amp curve and DIG for Stick welding based on electrode type.

Durability—Individual power source and rack enclosure designed to meet the needs of field construction.

Portability—Smallest and lightest 8-pack rack available. Both racks include lift truck fork pockets and lift eye(s).

WIRELESS REMOTE COMPATIBLE

Shown with optional running gear.

The small size and weight of the 4-pack rack makes it ideal for applications where a high degree of portability is required, such as elevators.

The CST 280 Racks are designed to perform Lift-Arc™ TIG, and Stick welding with electrodes up to 3/16 in diameter. The CSTs can also provide for Air Carbon Arc gouging by paralleling two power sources in the rack.

TRUE BLUE® 3 YR. WARRANTY

Warranted for 3 years parts and labor.

MADE IN USA APPLETON, WI

Miller®

Miller Electric Mfg. Co.
An Illinois Tool Works Company
1635 West Spencer Street
Appleton, WI 54914 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

Web Site
www.MillerWelds.com

ISO 9001:2000 REGISTERED QUALITY SYSTEM

CST™ 280 Rack Additional Features

Common output ground connection (for same polarity use only).

Meets NEC requirements when properly installed and utilizing recommended primary circuit protection and proper fuse breakers selection for primary power applied to rack.

Meets IP23S and more stringent IP23M.

Junction box with fuses for each machine. Equipped with fuses for 460 V operation. Fuses must be ordered separately for 220–230 or 575 V primary power.

Optional Running Gear available for all racks. The large 5 in diameter wheels enable the rack to be moved over grating and driveway gravel.

Air Carbon Arc Electrode Size

Power Source	Single Power Source	Parallel Power Source
CST 280	Up to 3/16 in	Up to 5/16 in

Specifications (Subject to change without notice.)

CC DC 3 Phase

Model	Input Power to Rack	Amps Input at Rated Load Output, 50/60 Hz 220 V	230 V	400 V	440 V	460 V	575 V	KVA	KW	Dimensions	Net Weight
CST 280 4-Pack Rack	220–230/460–575 VAC, 50/60 Hz, 3-Phase	137	134	79	72	70	57	58.4	40.8	H: 50-3/4 in (1289 mm) 4-Pack W: 25-1/2 in (648 mm) 8-Pack W: 46 in (1165 mm) D: 26-1/2 in (673 mm)	355 lb (161 kg)
CST 280 8-Pack Rack	220–230/460–575 VAC, 50/60 Hz, 3-Phase	274	268	158	145	140	114	116.8	81.6		640 lb (290 kg)

Ordering Information

**The Dinse version of the CST 280 includes one set of male connectors. The Tweco version does not.*

Power Source Racks and Options	Stock No.	Description	Qty.	Price
CST™ 280 Rack w/ Dinse-style connectors*	**#907 245**	Rack with 4 CST 280, 220–230/460–575 VAC (Includes 25 A fuses for 460 V)		
CST™ 280 Rack w/ Tweco-style connectors*	**#907 247**	Rack with 4 CST 280, 220–230/460–575 VAC (Includes 25 A fuses for 460 V)		
CST™ 280 Rack w/ Tweco-style connectors*	**#907 365**	Rack with 8 CST 280, 220–230/460–575 VAC (Includes 25 A fuses for 460 V)		
CST™ 280 Rack w/ Dinse-style connectors, VRD*	**#907 246**	Rack with 4 CST 280, 220–230/400–460 VAC, with VRD capability		
Running Gear for Rack	**#195 114** **#195 436**	For 4-pack rack For 8-pack rack		
Fuse	**#199 795** **#212 541**	30 amp fuse for 220 or 230 V input (Order 12 per 4-pack rack or 24 per 8-pack rack) 20 amp fuse for 575 V input (Order 12 per 4-pack rack or 24 per 8-pack rack)		
Weldcraft® TIG Torches				
These two-cable TIG torches require the installation of a Dinse-Style Connector (#042 418) or Tweco-Style Connector (#191 981) depending on CST model connector type.	**WP-17V-12-2** **WP-17V-25-2** **WP-26V-12-2** **WP-26V-25-2**	150 A, 12 ft (3.7 m), air-cooled TIG torch with valve, two-piece cable 150 A, 25 ft (7.6 m), TIG torch with valve, two-piece cable 200 A, 12 ft (3.7 m), air-cooled TIG torch with valve 200 A, 25 ft (7.6 m), air-cooled TIG torch with valve		
Remote Controls				
RCC-14	**#151 086**	Remote current side-to-side rotary control		
RCCS-14	**#043 688**	Remote current up and down rotary control		
RHC-14	**#242 211 025** **#242 211 050** **#242 211 100**	25 ft (7.6 m). Remote current hand control 50 ft (15.2 m). Remote current hand control 100 ft (30.5 m). Remote current hand control		
RPBS-14	**#300 666**	TIG welding on/off remote switch		
RFCS-14	**#043 554**	Remote current foot control		
RFCS-14 HD	**#194 744**	Heavy-duty remote current foot pedal control		
Wireless Remote Foot Control	**#300 429**	Remote current foot control with wireless 90 ft (27.4 m) operating range		
Wireless Remote Hand Control	**#300 430**	Remote current hand control with wireless 300 ft (91.4 m) operating range		
Extension Cables for 14-Pin Remote Controls	**#242 208 025** **#242 208 050** **#242 208 080**	25 ft (7.6 m) 50 ft (15.2 m) 80 ft (24.4 m)		
Cable Connectors and Adapters				
Dinse-Style Connector	**#042 418**	#4 AWG to #1/0 cable size		
Extension Kit for Dinse-Style Connector	**#042 419**	#4 AWG to #1/0 cable size		
Dinse/Tweco® Adapter	**#042 465**	One-piece adapter with Dinse-style male plug and Tweco-style female receptacle		
Dinse/Cam-Lok Adapter	**#042 466**	One-piece adapter with Dinse-style male plug and Cam-Lok receptacle		
Tweco/Dinse Adapter	**#210 061**	One-piece adapter with Tweco-style male plug and Dinse-style female receptacle		
Tweco-Style Connector	**#191 981**	1/0 to 2/0 cable size		

Date: **Total Quoted Price:**

Distributed by:

Miller®

Litho in USA