

Flawless implementation. Expert support.

Davis-Standard is recognized globally as the leader in high-performance converting and extrusion systems. But our capabilities go far beyond our equipment. They extend to our professional training experts, laboratory personnel, design engineers, and hands-on field engineers who work with you every step of the way. Your success is our success.

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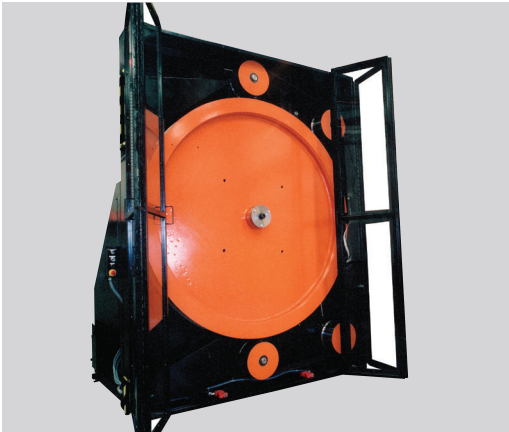
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Capstans



Multi-pass, linear and belt wrap capstans are custom engineered for the full range of wire and cable applications. Capstans include single wheel belt wrap type from 24 to 84 inches in diameter. Linear CatTrak capstans with gripping lengths to 80 inches with 2500 lbs. of traction force. Dual wheel multi-pass wet capstans from 12 to 32 inches in diameter with lengths up to 60 feet for increased cooling capacity in both flood and spray configurations. Over/under arrangements can be provided in either flood or spray depending on application. Speeds up to 9,500 fpm are available based on product range and requirements.

Features

- Quiet, balanced operation
- Design specific to fit the application
- Interlocked operator access doors

MULTIPASS CAPSTANS

Dual drum capstans provide greater cable cooling capacity in limited floor space and are available in side-by-side, extended multipass and split over/under configurations. High speed and precision multipass dual drum capstans are available for specific applications.

Advantages

- Quiet balanced operation
- Increased cooling in a limited amount of space
- Efficient evaporative cooling technique
- Easy to install, operate and maintain

CATTRAK CAPSTANS

Linear CatTrak capstans range in size from 14 to 80 inch traction length, and accept product to 6 inches in diameter with an available traction force up to 3,500 pounds. All CatTrak capstans feature the exclusive Traverse-Trak system which allows the traction belts to be indexed across the pass line for extended belt life. Special SRL types for critical applications are also available.

Advantages

- Equipped with two ½-inch (12mm) thick endless Poly V belts, neoprene covered, with a Durometer rating of 60-65
- Pneumatically adjustable gripping pressure
- Belts driven in unison
- Upper track is articularly mounted on joints to ease passing non-uniform areas
- Totally enclosed with front access

Options

- Adjustable wire-line height
- Heavy duty SRL and CATV cats
- Foamed belts
- AC and DC drive options
- Low backlash reduction

BELT WRAP CAPSTANS

Belt wrap capstans are supplied in vertical, horizontal, or tilted arrangements. Capstan wheels range in size from 24 to 84-inches, with traction forces exceeding 5,000 pounds. All include precision air tensioning, inlet/outlet roller guides. Special SRL types for critical applications are also available.

Advantages

- Rugged construction
- Independent and coordinated operation of lifting arms
- Rubber lagged for both metering and pull-out applications
- Horizontal, vertical and “straight-thru” arrangements
- Belt tension adjustable via pneumatically operated idler pulley

Options

- Subbase – raise or tilt
- Load cell for pull-out capstan
- Drive and transmission

MULTIPASS CAPSTANS MACHINE DESIGN PARAMETERS

Model #	Type and Size	Product Range	Installed Length	Cooling Capacity	Speed (Maximum)
DC-16	Dual Drum	*	55 in.	*	5000 SPM
DC-24	Dual Drum	*	70 in.	*	2500 SPM
DC-32	Dual Drum	*	97 in.	*	2500 SPM
MPC-18-8	Multipass - 8 groove	*	30 - 60 ft.	240 - 1200 ft.	*
MPC-18-4	Multipass - 4 groove	*	30 - 60 ft.	240 - 1200 ft.	*
MPC-18-10	Multipass - 10 groove	*	30 - 60 ft.	240 - 1200 ft.	*
MPC-12 HS	Multipass High Speed	28 - 16 AWG	10 ft.	250 ft.	9500 SPM
MPC-12 HSP	Multipass Precision HS Split	28 - 16 28 AWG	10 ft.	250 ft.	8200 SPM
DC-32 WCT	Dual Split	1.375"	30 ft.	320 ft.	2500 SPM
DC-32 WCT-N (High Tension)	Dual Split	1.375"	30 ft.	320 ft.	External Capstan Required

CATTRACK CAPSTANS MACHINE DESIGN PARAMETERS

Model #	Traction Length	Cable Size Diameter (Maximum)	Rated Pull Weight (Maximum)
MER-27	14"	0.55"	100 lbs.
MER-37	27"	1.00"	250 lbs.
MER-52	42"	3.50"	1000 lbs.
MER-80	60"	5.00"	2500 lbs.
MER-100	80"	5.00"	3500 lbs.

BELT WRAP CAPSTANS MACHINE DESIGN PARAMETERS

Model #	Cable Size Diameter (Maximum)	Rated Pull Weight (Maximum)
BWC-24	1.25"	500 lbs.
BWC-36	1.75"	1000 lbs.
BWC-48	2.75"	1800 lbs.
BWC-60	3.75"	2500 lbs.
BWC-72	5.00"	3000 lbs.
BWC-84	6.50"	5000 lbs.