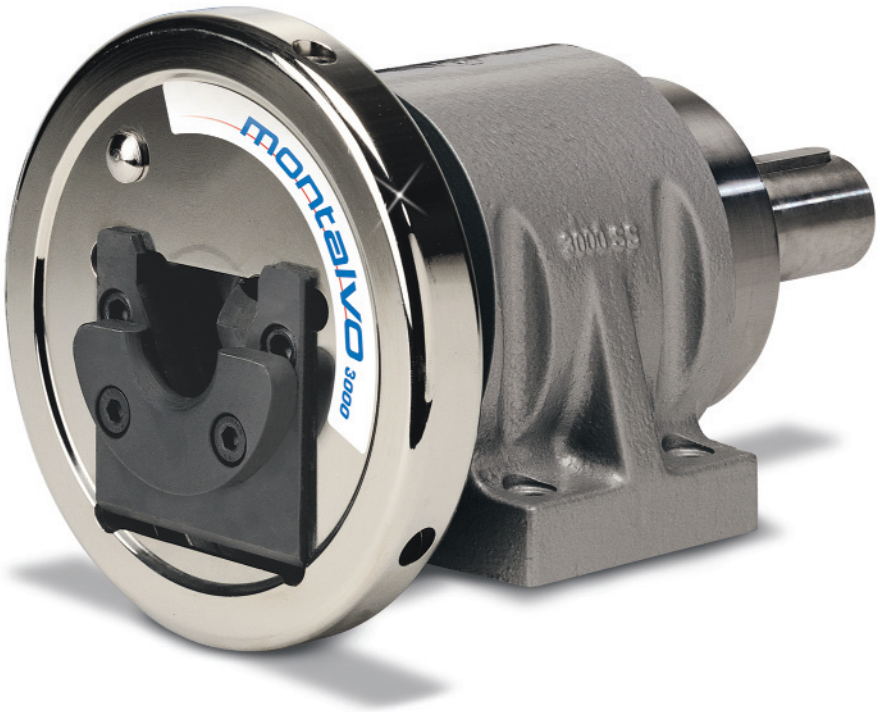


Nickel-plated hand wheel
Hardened chuck journal seat
Variety of journal profiles available
Available with pre-installed Montalvo brake
Simple and quick journal seat / wheel assembly replacement

Montalvo Safety Chucks

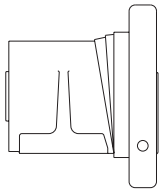
Montalvo Safety Chucks

Montalvo's line of Safety Chucks were designed for easy installation and long service life. They provide a safe and effective way of coupling torque devices to shafted unwinds or rewinds. Heavy duty bearing design ensures maximum load and speed capacities for most converting applications. The easily replaceable journal seat / wheel assembly supports a variety of shaft journal configurations without modification. Tightly held journal seat insert tolerances also provide superior roll winding/unwinding concentricity. Fixed or sliding shaft models combined with numerous options offer a wide range of features. Montalvo's reliable and cost effective safety chucks are available individually or as part of a complete Montalvo web control system.

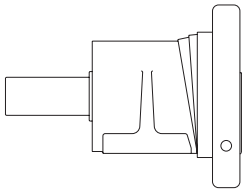
Normal Chucks - *Flexible, Modular, Adaptable*

Pedestal Mount (SN)

Available for all models (3000 shown)



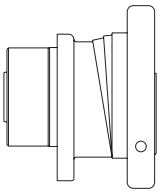
Without Shaft End



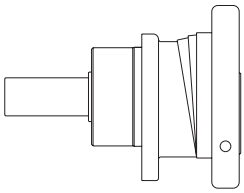
With Shaft End

Flange Mount (FN)

Available for all models (3000 shown)



Without Shaft End



With Shaft End

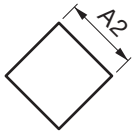
Journal Seats - *Types & Advantages*

Available for all models

Square:

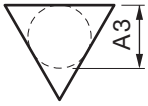
Max. reel weight capacity
Max. torque capacity
Cost effective

V-Type Square:



Less vibration
Easy loading

Triangle:

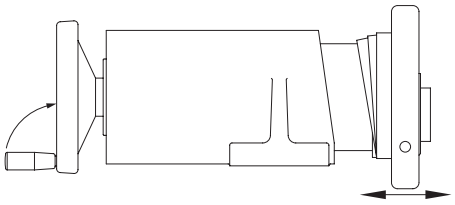


Max. reel weight capacity
Optimal at higher rpm
Max. torque capacity
Less vibration
Easy loading

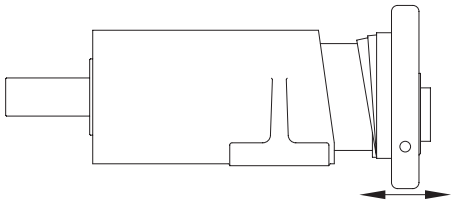
Sliding Chucks - *Cost effective axial adjustment in a 50mm or 100mm range*

Pedestal Mount (SS)

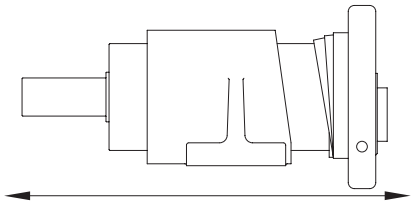
Available for all models except 8000 (3000 shown)



Hand Wheel Drive



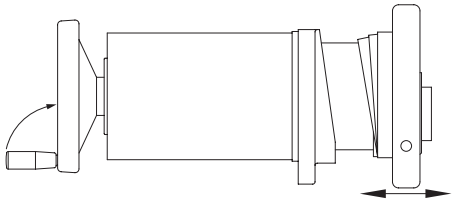
Stationary Shaft End



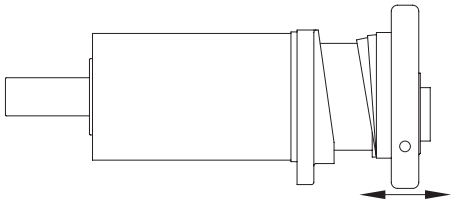
Sliding Shaft End

Flange Mount (FS)

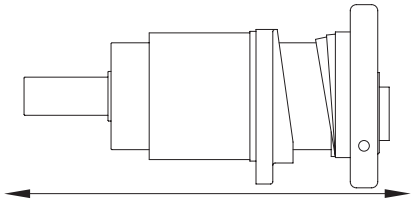
Available for all models except 8000 (3000 shown)



Hand Wheel Drive



Stationary Shaft End



Sliding Shaft End

Represents 50 or 100 mm *Axial Adjustment*

Options

Hand Wheel Safety Lock
Prevents unintentional opening of the hand wheel.

Axial Carrier
Maintains precise shaft positioning and axial adjustment.

Conical Chuck Journal Seat
Allows use of simple journals without the risk of excessive stress and wear. This is a cost effective alternative to machining journals with difficult and expensive undercuts.

Hand Wheel Open/Closed Indication
Indicates whether hand wheel is open or closed via an electronic sensor.

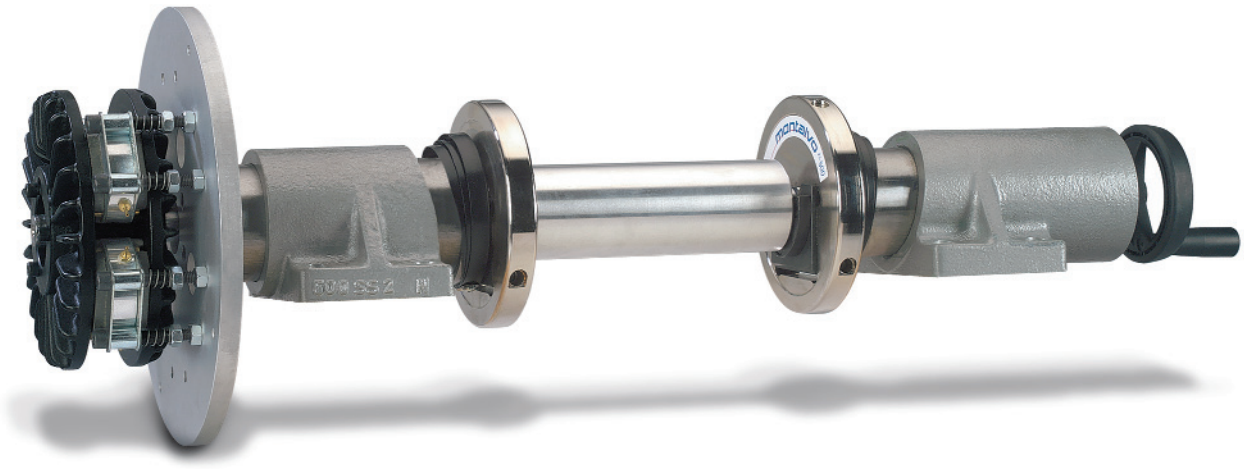
Hand Wheel Opening Position Indication
Indicates when hand wheel is in precise open position via an electronic sensor.

High Speed Safety Chuck
Handles web speeds in excess of 300 m (980 ft.) per minute. This is achieved by balancing the hand wheel (with safety lock) and shaft.

Long Housing Design
Extends shaft position up to 100mm away from standard for mount clearance and/or coupling alignment.

Integrated Connection For Direct Inflation Of Winding Shafts
Offers ease and convenience of automatically inflating winding shafts while shafts are installed in the chuck. This is important in applications requiring differential winding shafts or for automated shaft and roll handling.

Radial Adjusting Slide
Allows up to 30mm of horizontal adjustment perpendicular to the shaft axis.



Montalvo Safety Chucks sold to North and South American / Asian / Pacific Rim markets are built by Montalvo (USA).
Safety Chucks sold to the European market are provided by Danarota Technic/AS (Denmark), a division of Montalvo.

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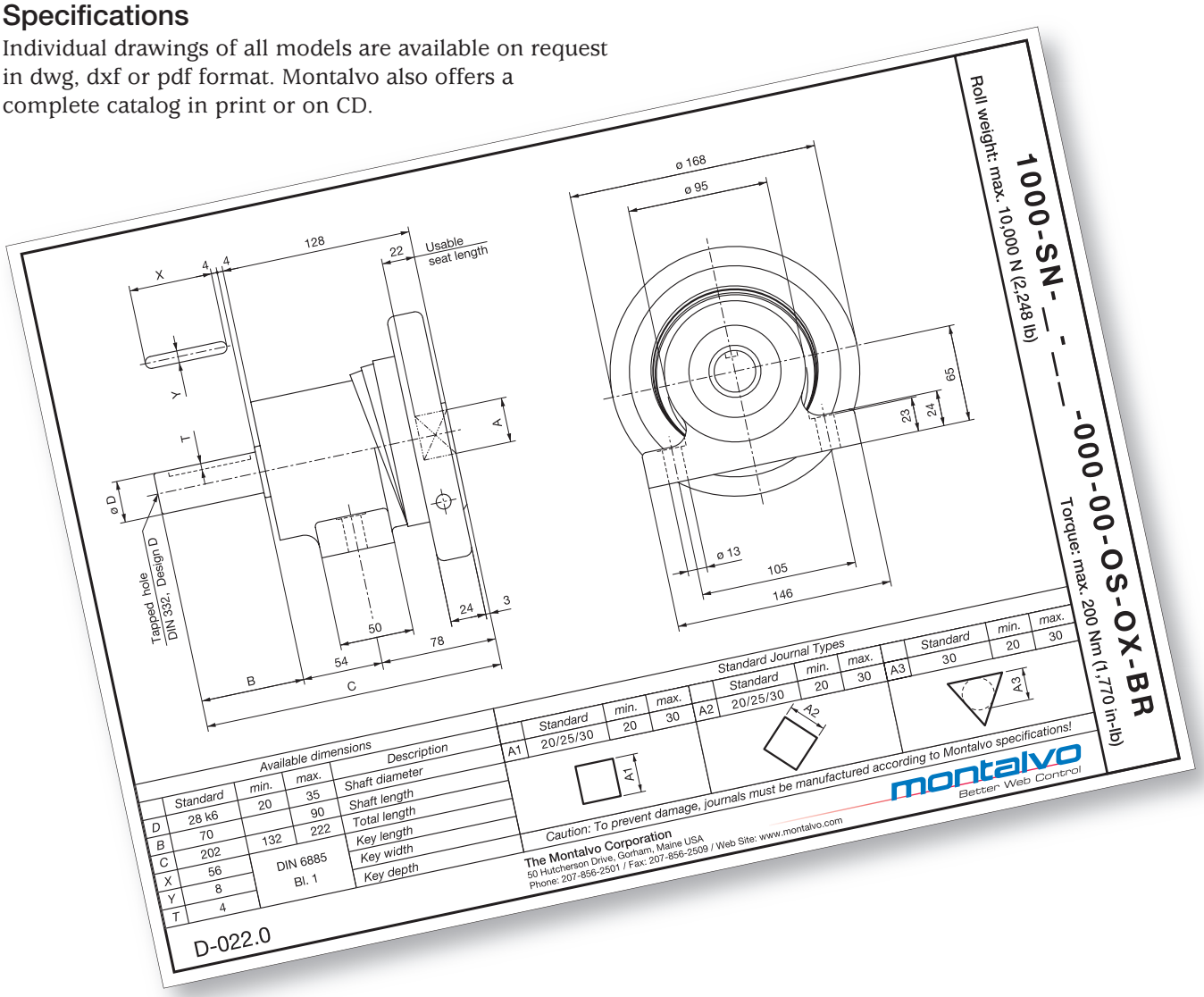
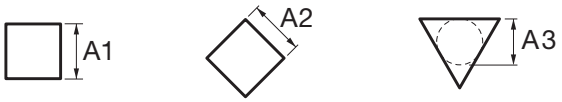
Specifications

Individual drawings of all models are available on request in dwg, dxf or pdf format. Montalvo also offers a complete catalog in print or on CD.



Chuck Capacity & Journal Dimensions



Model	Max. Roll Weight* N (lb)	Max. Torque** Nm (in-lb)	Max. Shaft Extension mm (in.)	Normal Square Journal Seat A1 = mm (in.)	V-Type Square Journal Seat A2 = mm (in.)	Triangle Journal Seat A3 = mm (in.)
180	1,800 (405)	45 (398)	Ø17k6 x 40 (1.57)	10-20 (0.394-0.787)	10-20 (0.394-0.787)	15 (0.591)
500	5,000 (1,124)	130 (1,151)	Ø30k6 x 70 (2.75)	19-25 (0.784-0.984)	19-25 (0.784-0.984)	22 (0.866)
1000	10,000 (2,248)	200 (1,770)	Ø35k6 x 90 (3.54)	20-30 (0.787-1.181)	20-30 (0.787-1.181)	20-30 (0.787-1.181)
1800	18,000 (4,047)	380 (3,363)	Ø50k6 x 100 (3.94)	30-40 (1.181-1.575)	30-40 (1.181-1.575)	32-38 (1.260-1.496)
3000	30,000 (6,744)	1,200 (10,621)	Ø65k6 x 140 (5.51)	40-50 (1.574-1.968)	40-50 (1.574-1.968)	40-47 (1.575-1.850)
8000†	80,000 (17,894)	2,000 (17,702)	Ø85k6 x 160 (6.30)	50-80 (1.968-3.150)	50-80 (1.968-3.150)	52-72 (2.047-2.835)

* Max. Roll Weight must be reduced for V-Type Square Journal Seat (**A2**) by 25 to 30% depending on torque, speed and deflection of winding shaft.

** Max. Torque must be reduced for V-Type Square Journal Seat (**A2**) by 40 to 50% depending on torque, speed & deflection of winding shaft.

† 8000 not available in "SLIDING" series.