KL 500
Safety Chuck

Montalvo KL 500 Safety Chuck

Montalvo's KL Safety Chuck was designed for easy installation and long service life. It provides a safe and effective way of coupling torque devices to shafted unwinds or rewinds. Features include a heavy duty bearing design to maximum load and speed capacity and an easily replaceable journal seat / wheel assembly. The tightly held journal seat insert tolerances provide superior roll winding/unwinding concentricity. Montalvo's reliable and cost effective, fixed shaft KL500 is available in a range of options, individually or as part of a complete Montalvo web control system.

Features

- Heavy duty bearing
- Hardened chuck journal seat
- Available with pre-installed Montalvo brake or clutch
- Simple and quick journal seat / wheel assembly replacement

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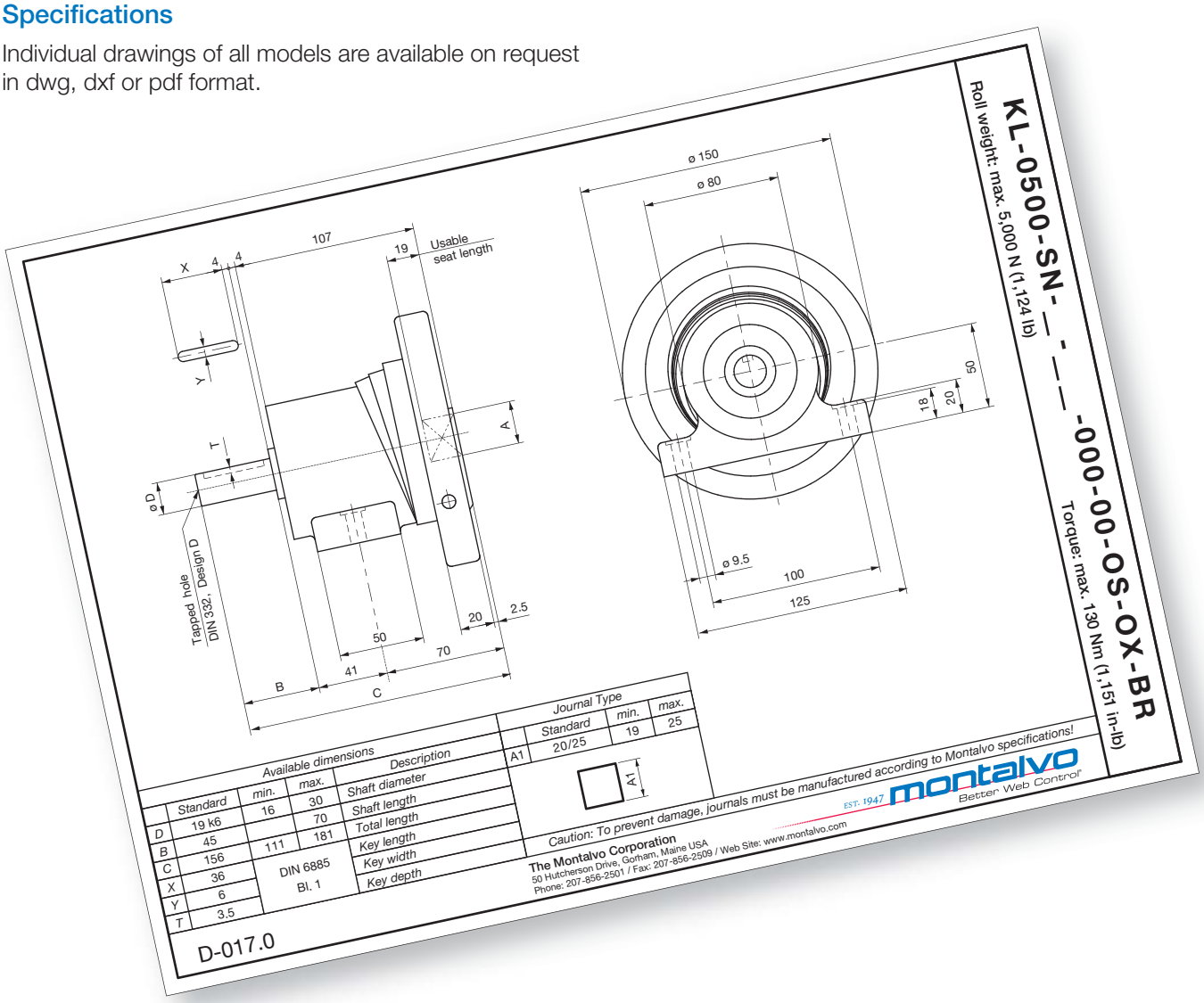
Specifications

Individual drawings of all models are available on request in dwg, dxf or pdf format.



mm (INCH)

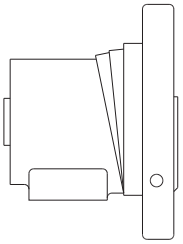
Chuck Capacity & Journal Dimensions

A1

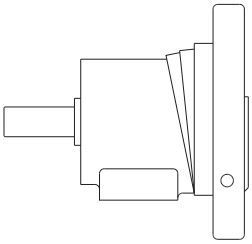
Model	Max. Roll Weight N (lb)	Max. Torque Nm (in-lb)	Max. Shaft Extension mm (in.)	Normal Square Journal Seat A1 = mm (in.)
500	5,000 (1,124)	130 (1,151)	Ø30k6 x 70 (2.75)	19-25 (0.75-1.000)

Mounts

Pedestal (SN)

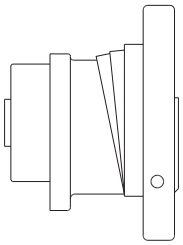


Without Shaft End

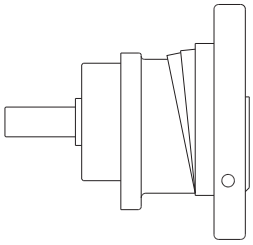


With Shaft End

Flange (FN)



Without Shaft End



With Shaft End

Journal Seat

Advantages of SQUARE Type

Max. reel weight capacity
Max. torque capacity
Cost effective

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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 300m (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.

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