

**KL 500**  
Safety Chuck**Montalvo KL 500 Safety Chuck**

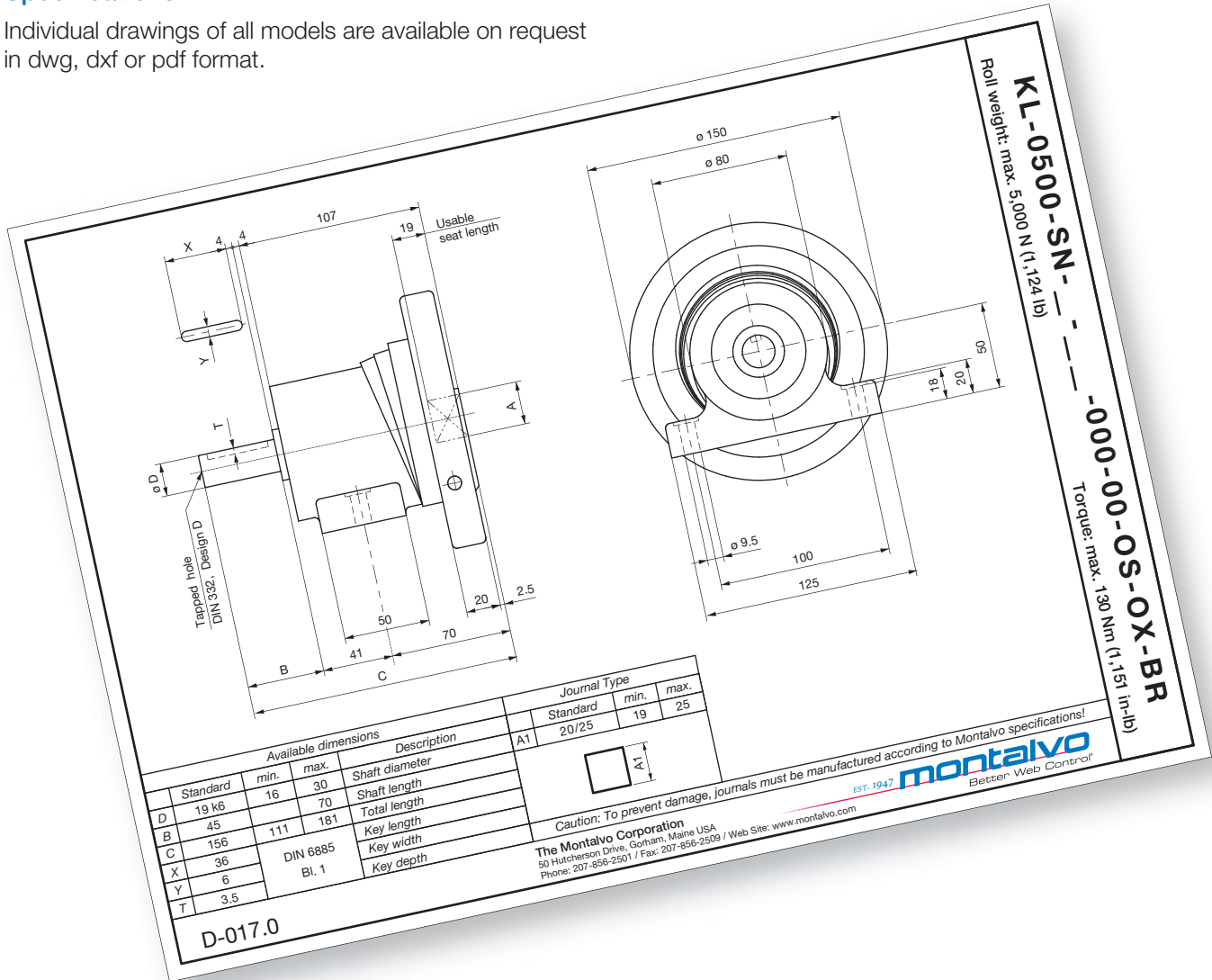
Montalvo's KL Safety Chuck was designed for easy installation and long service life. It provides a safe and effective way of coupling torque devices to shafted unwinds or rewinds. Features include a heavy duty bearing design to maximum load and speed capacity and an easily replaceable journal seat / 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

**Specifications**

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



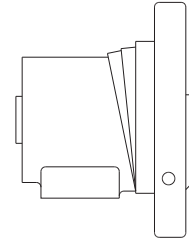
**Chuck Capacity & Journal Dimensions**



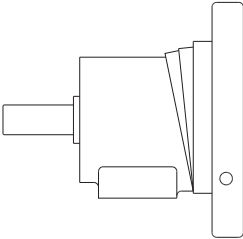
Model	Max. Roll Weight N (lb)	Max. Torque Nm (in-lb)	Max. Shaft Extension mm (in.)	Normal Square Journal Seat A1 = mm (in.)
500	5,000 (1,124)	130 (1,151)	Ø30k6 x 70 (2.75)	19-25 (0.75-1.00)

**Mounts**

**Pedestal (SN)**

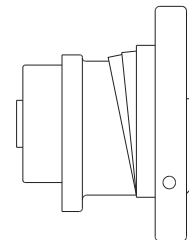


Without Shaft End

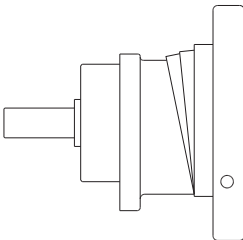


With Shaft End

**Flange (FN)**



Without Shaft End



With Shaft End

**Journal Seat**

**Advantages of SQUARE Type**



- Max. reel weight capacity
- Max. torque capacity
- Cost effective



## 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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