

## Straight-Bore Clutch LSCC-32

Nexen's air-engaged, straight-bore clutch offers high torque in a small package. The latest model in a growing family, the LSCC-32 is ideal for soft starts in accumulating, chain-driven live-roller, or in-line conveyor applications. With a maximum torque rating of 85 Nm [750 in-lb] and a bore range from 15.88 to 22.22 mm [0.625-0.875 in], this clutch can outperform the competition at a lower cost.

All of Nexen's LSCC clutches come standard with a pilot for sprocket mounting or can be configured for a variety of mounting applications (timing belt sprocket, v-belt sheave, plate, or double-single sprocket). Contact Nexen for alternate sizes and torque capacities.

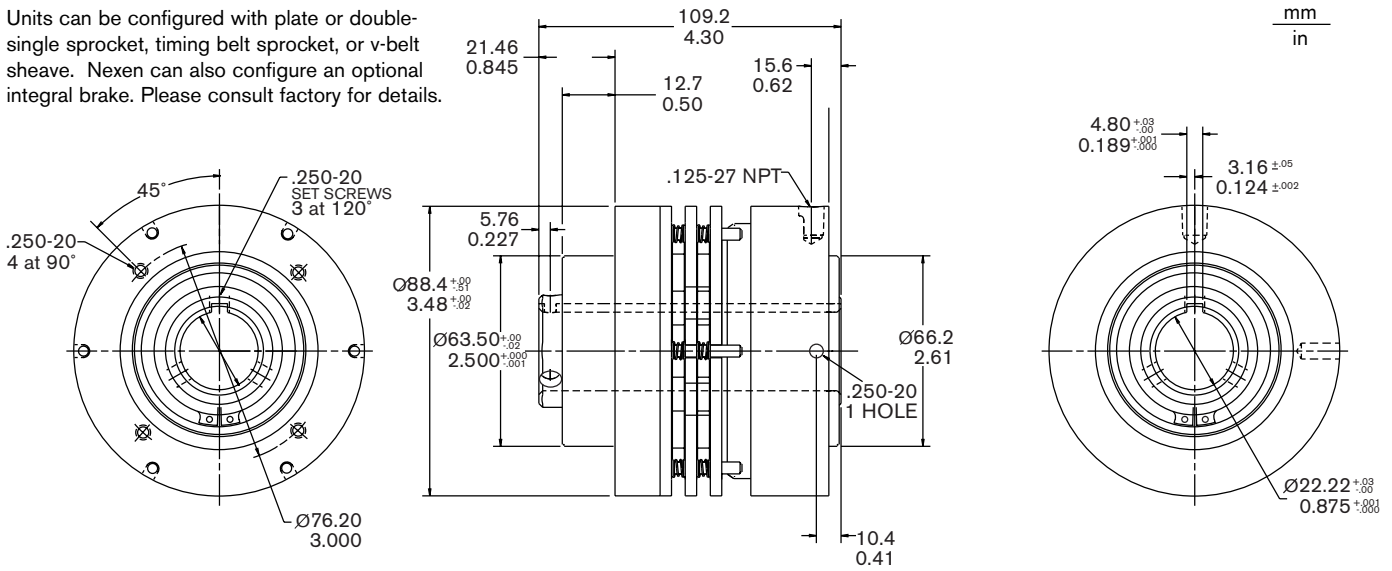


LSCC-32 Clutch

- High torque: 85 Nm [750 in-lb] torque at 5.5 bar [80 psi]
- Bore range: 15.88 - 22.22 mm [0.625 - 0.875 in]
- Through-shaft design with set screws for easy mounting
- Variable mounting configurations: customer supplied sprocket or can be configured for sheave, plate or double-single sprocket or timing belt sprocket
- Open design, improved airflow, high thermal horsepower
- Internal spline drive for trouble-free disengagement performance
- Shielded ball bearings standard, for low disengagement drag -sealed bearings also available
- No rotary air union required
- Compact size: ø88.4 mm [ø3.48 in], 109.2 mm [4.30 in] long
- Spring biased for complete disengagement
- Field repairable o-rings, facings and springs

# LSCC-32, Approximate Dimensions

Units can be configured with plate or double-single sprocket, timing belt sprocket, or v-belt sheave. Nexen can also configure an optional integral brake. Please consult factory for details.

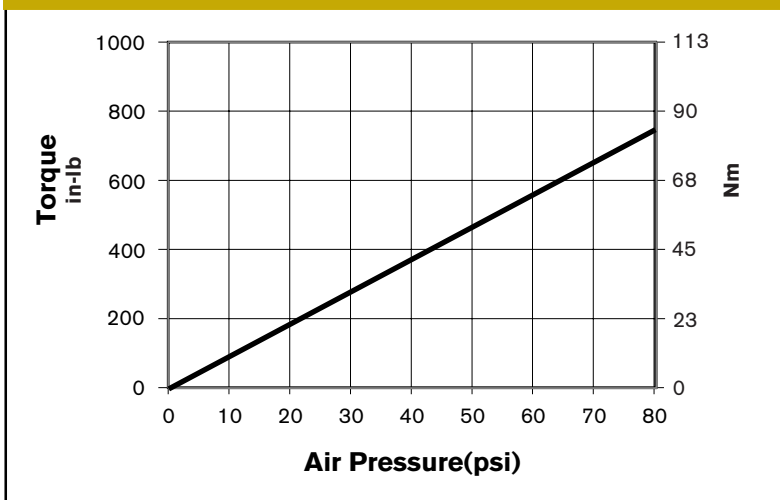


## Specifications

Model	Product Number	Torque at 80 psi	Bore	Inertia <sup>1</sup> Rotating with drive	Inertia <sup>1</sup> Rotating with shaft	Shipping Weight
LSCC-32	923553	85 Nm [750 in-lb]	22.22 mm [0.875 in]	0.000196 kg-m <sup>2</sup> [0.67 lb-in <sup>2</sup> ]	0.000184 kg-m <sup>2</sup> [0.62 lb-in <sup>2</sup> ]	1.92 kg [4.27 lb]
LSCC-32	Consult Factory	85 Nm [750 in-lb]	15.88 - 22.22 mm [0.625 - 0.875 in]	0.000196 kg-m <sup>2</sup> [0.67 lb-in <sup>2</sup> ]	0.000184 kg-m <sup>2</sup> [0.62 lb-in <sup>2</sup> ]	1.92 kg [4.27 lb]

<sup>1</sup>This is a calculated value.

## Clutch Torque vs. Air Pressure



### SINGLE - TYPE 'A' SPROCKET SIZES (using standard single strand roller chain)

Pilot Diameter	Sprocket Number					
	25	35	40-41	50	60	80
H	Minimum # of Teeth					
63.5 mm [2.500 in]	48	33	26	21	18	--

In accordance with Nexen's established policy of constant product improvement, the specifications contained in this document are subject to change without notice. Technical data listed in this document are based on the latest information available at the time of printing and are also subject to change without notice. For current information, please consult: [www.nexengroup.com](http://www.nexengroup.com)

**nexen**

Nexen Group, Inc.  
560 Oak Grove Parkway  
Vadnais Heights, MN 55127

800.843.7445  
Fax: 651.286.1099  
[www.nexengroup.com](http://www.nexengroup.com)