

## Straight-Bore Conveyor Clutch

### LSCC-44

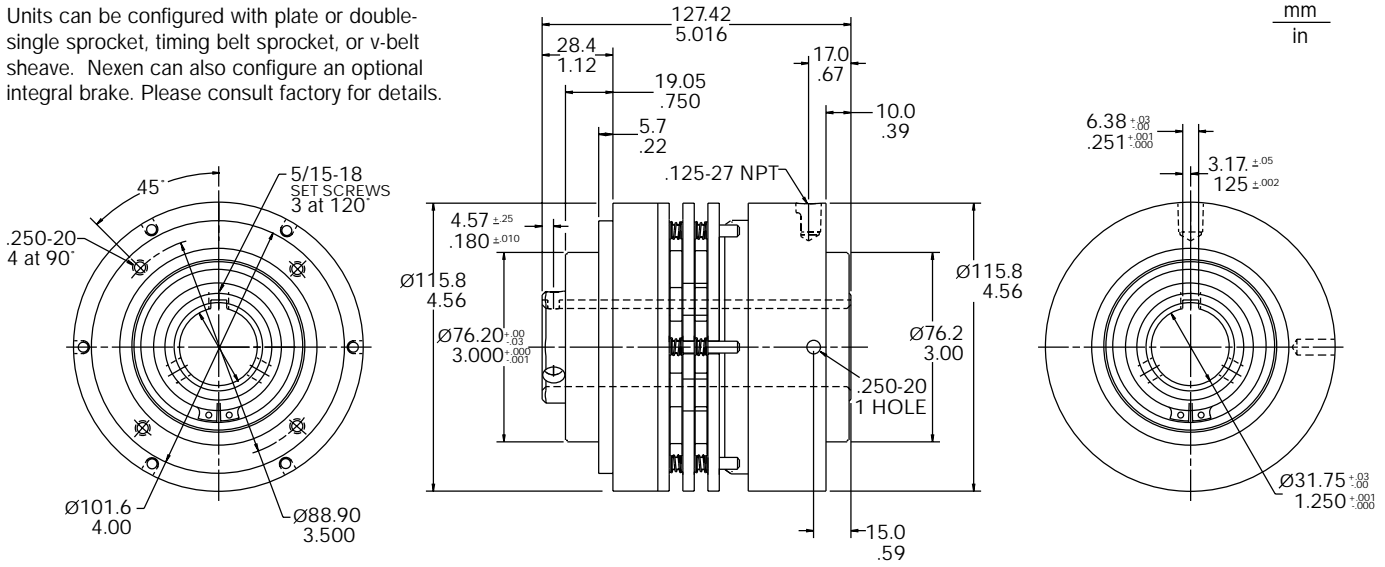
Nexen's air engaged straight bore conveyor clutch offers high torque in a small package. The LSCC is ideal for soft starts in accumulating, chain-driven live-roller, or in-line conveyor applications. With a maximum torque rating of 238 Nm [2110 in-lb] and a bore range from 12 to 32 mm [0.500-1.250 in], this clutch can outperform the competition at a lower cost. Nexen's LSCC clutch comes standard with a pilot for mounting customer supplied sprocket or can be configured for a variety of mounting applications (timing belt sprocket, v-belt sheave, plate or double-single sprocket, etc.).



- High torque: 238 Nm [2110 in-lb] torque at 5.5 bar [80 psi]
- Bore range: 12-32 mm [0.500-1.250 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:  $\varnothing 115.8$  [ $\varnothing 4.56$  in], 127.4 mm [5.02 in] long
- Spring biased for complete disengagement
- Field repairable o-rings, facings and springs

# LSCC-44, 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.

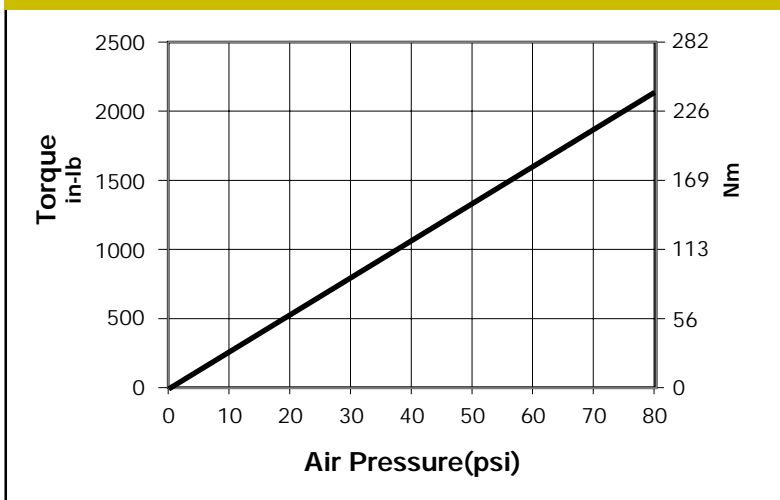


## Specifications

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-44	923550	238 Nm [2110 in-lb]	31.75 mm [1.250 in]	0.00189 kg-m <sup>2</sup> [6.46 lb-in <sup>2</sup> ]	0.000746 kg-m <sup>2</sup> [2.54 lb-in <sup>2</sup> ]	3.6 kg [8 lb]
LSCC-44	923557	238 Nm [2110 in-lb]	25.4 mm [1.00 in]	0.00189 kg-m <sup>2</sup> [6.46 lb-in <sup>2</sup> ]	0.000746 kg-m <sup>2</sup> [2.54 lb-in <sup>2</sup> ]	3.6 kg [8 lb]
LSCC-44	Consult Factory	238 Nm [2110 in-lb]	12-32 mm [0.500-1.250 in]	0.00189 kg-m <sup>2</sup> [6.46 lb-in <sup>2</sup> ]	0.000746 kg-m <sup>2</sup> [2.54 lb-in <sup>2</sup> ]	3.6 kg [8 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					
76.2 mm [3.000 in]	60	40	31	25	22	--

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)

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