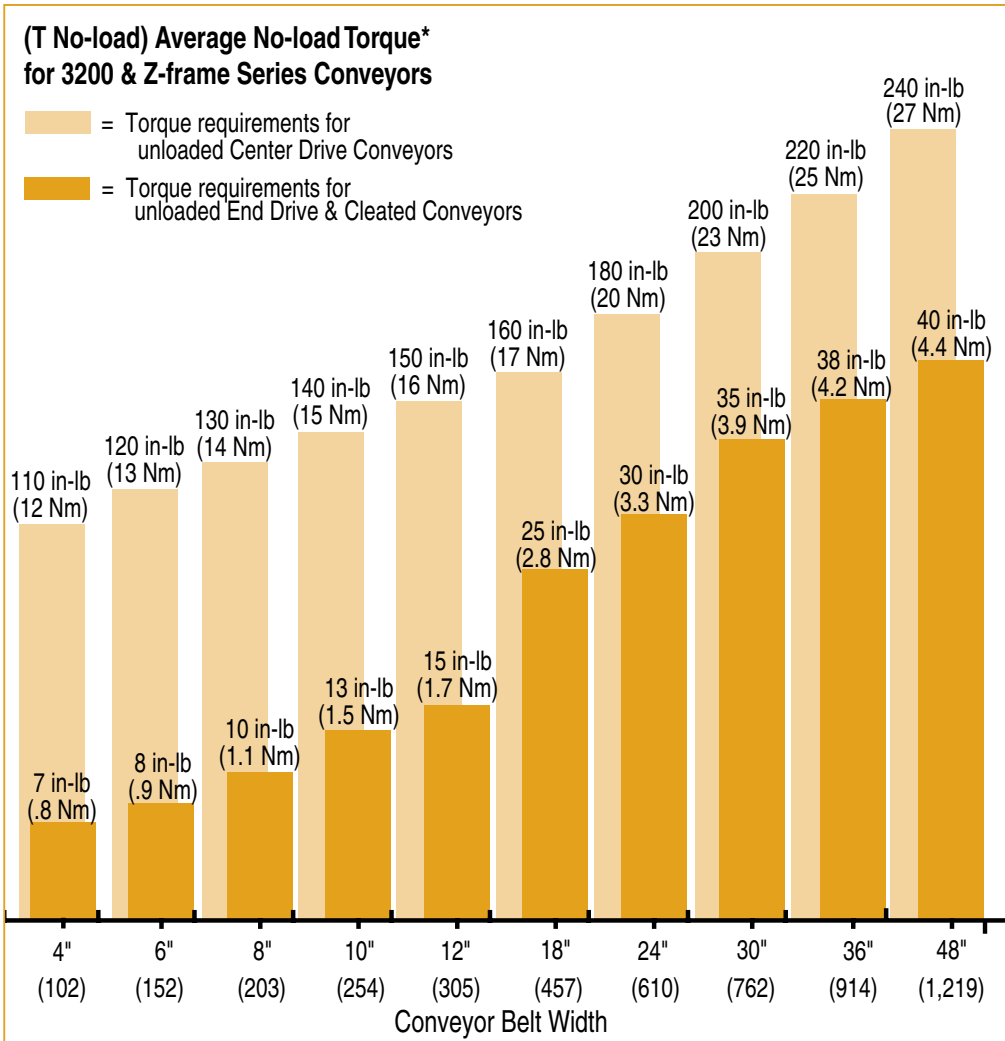


3200 SERIES: PERFORMANCE CHARTS / DATA

CONVEYOR NO-LOAD TORQUES



Note: The torque required to overcome the conveyor's initial startup inertia may temporarily exceed the average "no-load" torque by a factor of 2-3 times.

* Stated torques are average values based on Dorner standard belts running at 50 feet (15 meters) per minute.

MAXIMUM CONVEYOR LOAD CHARTS

Z-frame Load to Incline

| Angle of Incline | Belt Tension (Torque) | | Maximum Conveyor Load Direction A & D | | Maximum Conveyor Load Direction B & C | |
|------------------|-----------------------|-----|---------------------------------------|------|---------------------------------------|----|
| | in.-lbs. | Nm | lb | kg | lb | kg |
| 25° | 50 | 5.6 | 75 | 34 | 25 | 11 |
| 30° | 60 | 6.8 | 100 | 45.4 | 33 | 15 |
| 35° | 70 | 7.9 | 100 | 45.4 | 33 | 15 |
| 40° | 80 | 9.0 | 100 | 45.4 | 33 | 15 |
| 45° | 80 | 9.0 | 100 | 45.4 | 33 | 15 |
| 50° | 80 | 9.0 | 100 | 45.4 | 33 | 15 |
| 55° | 80 | 9.0 | 100 | 45.4 | 33 | 15 |
| 60° | 80 | 9.0 | 100 | 45.4 | 33 | 15 |

This chart provides maximum recommended belt tension torque and maximum conveyor loads for different angles.

