

Drive Engineer™ Web App

A Powerful Solution for Belt Drive Design & Analysis

Drive Engineer – Now in the palm of your hand!

New Drive Engineer web app from Timken delivers robust belt drive design and analysis to your desktop or mobile device!

- Comprehensive belt, pulley and drive details
- Part numbers and pricing information
- Easy to save and share results
- PowerMiser™ energy savings calculator
- Resources, news and documentation

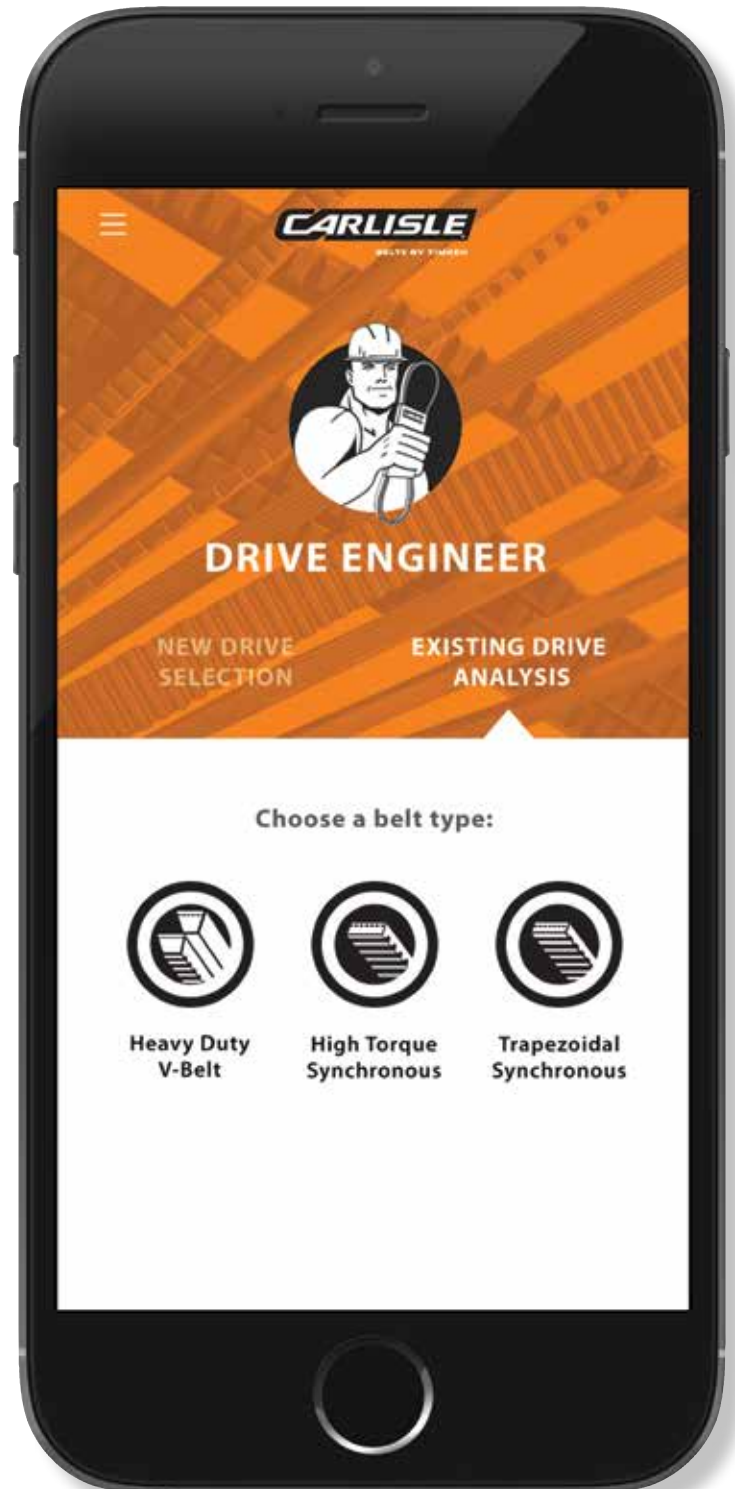


www.driveengineer.com

Desktop: Save to "Favorites"

Mobile Applications: "Add to Home Screen"

Drive Engineer is a free web application and is not available from the App store.



Comprehensive Data for New Belt Drive Design:

Drive Design Features:

- V-belt and synchronous drives
- Individual or banded belts
- Complete details on belts, pulleys, drive outputs and tensioning
- Part numbers and MSRP pricing
- Lookup tools for motor, service factor and cross-section
- Drop-down HP and RPM menus
- Extensive list of recommended drives and data
- Filter results by header
- Conflict detection and warnings
- Customer library function and saved drive history for registered users
- Share and save link or PDF file
- Pop-up drive design tips
- Data for multiple tensioning methods

WELCOME
Please login to access your saved data. Registration is free if you do not have an account.
LOGIN REGISTER

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HIGH TORQUE SYNCHRONOUS

Drive Inputs
CLICK TO CHANGE

DRIVE SELECTED: 18

Drive HP: 25
Driver RPM: 1750
Driven RPM: 1200
Target Service Factor: 1.5

Min Center Distance: 30
Max Center Distance: 35
Cross Section: 1 Selected: Panther XT

LOOKUP TOOL SECTION CRITERIA RUN SELECTION

Part No.	Driver Pulley Dia.	Driven Pulley Dia.	Driver RPM	Driven RPM	Service Factor	MSRP
8P0K1200-1	76.48A	33.23 in.	8P0K051	1610	8P0K021	2012 1.000 42.36 1.69 1.63 \$583.44
8P0K1200-2	76.48A	32.81 in.	8P0K051	1610	8P0K021	2012 1.078 45.2 1.81 1.76 \$511.12
8P0K1200-3	76.48A	32.75 in.	8P0K051	1610	8P0K021	2012 1.517 46.54 1.86 1.79 \$514.57
8P0K1200-12	76.48A	30.23 in.	8P0K3512	2012	8P0K3512	2012 1.472 38.76 1.53 2.04 \$528.43
8P0K1200-12	76.48A	34.17 in.	8P0K3512	2012	8P0K3512	2012 1.472 40.03 1.60 2.04 \$543.18
8P0K1240-12	76.48A	34.96 in.	8P0K3512	2012	8P0K3512	2012 1.472 40.03 1.60 2.04 \$344.34
8P0K1200-31	76.48A	32.26 in.	8P0K1021	2012	8P0K021	2012 1.495 49.97 2.00 1.82 \$568.55
8P0K1200-12	76.48A	32.99 in.	8P0K0512	2012	8P0K1512	2012 1.479 46.43 1.86 2.76 \$387.69
8P0K1240-12	76.48A	33.78 in.	8P0K0512	2012	8P0K1512	2012 1.479 46.43 1.86 2.76 \$388.85
8P0K1200-12	76.48A	32.44 in.	8P0K3512	2012	8P0K3512	2012 1.470 49.23 1.87 2.89 \$391.87
8P0K1240-12	76.48A	33.22 in.	8P0K3512	2012	8P0K3512	2012 1.470 49.23 1.87 2.89 \$393.81

Thorough Analysis of Existing Belt Drives:

Drive Analysis Features:

- V-belt and synchronous drives
- Individual or banded belts
- Complete analysis and details for belts, pulleys, drive outputs, tensioning, and list pricing
- Lookup tools for motor, driver and driven pulleys, belts, service factor
- Normal or extreme duty drives
- Numerous drop-down menus
- Conflict detection and warnings
- Customer library function and saved drive history for registered users
- Share and save link or PDF file
- Pop-up tips and definitions
- Data for multiple tensioning methods

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HEAVY DUTY V-BELT

Drive Inputs
CLICK TO CHANGE

LIST PRICE: \$9,048

PULLEY DETAILS

DRIVER

Pulley RPM: 2.5V 670 SK
Pulley Price: \$230.00
Boring: SK
Boring Price: \$53.00
Shaft Size: 1/2 in. — 2.58 in.
Effective Diameter: 6.7 in.
Pitch Diameter: 6.7 in.
RPM: 1,750

DRIVEN

Pulley RPM: 2.5V 1250 SF
Pulley Price: \$336.00

BELT DETAILS

Belt RPM: 8P0B60
HP Capacity per Belt: 78.117
Design Life: 34

DRIVE OUTPUT DETAILS

DEFLECTION TENSIONING

HEAVY DUTY V-BELT

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BELT DETAILS

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings and related mechanical power transmission products and services.

Stronger. By Design.

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