

DRIVE ENGINEER® WEB APP

A Powerful Solution for Belt Drive Design & Analysis

Robust Drive Design & Analysis in the Palm of Your Hand!

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

- For v-belt or synchronous drives
- Comprehensive belt, pulley and drive details
- Easily filter results
- Lookup tools and drop-down menus
- Conflict detection and warnings
- Pop-up drive design tips
- Easy to save and share results
- PowerMiser™ energy savings calculator
- Imperial or metric data input
- Belt tensioning training videos
- Literature and other resources

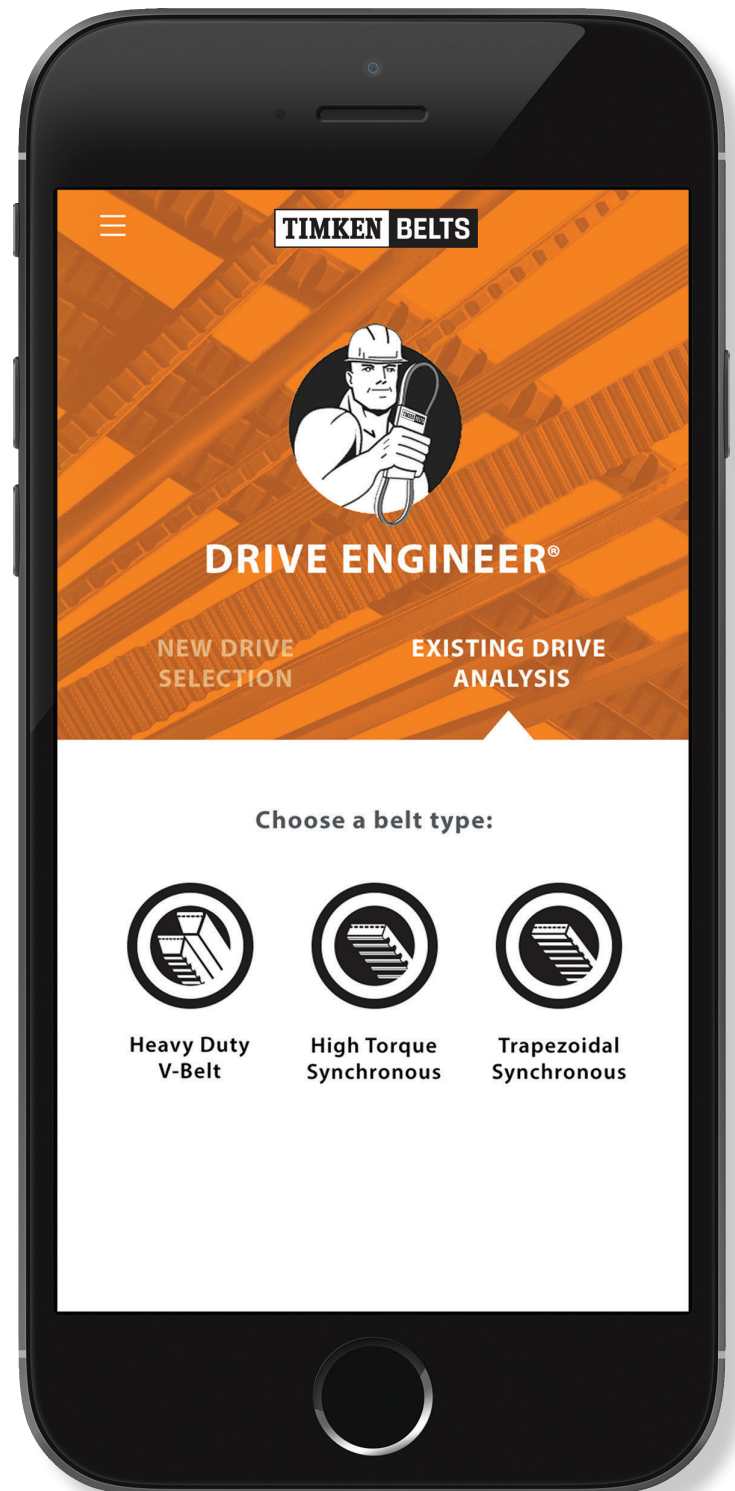


www.driveengineer.com

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:

- V-belt and synchronous drives
- Individual or banded belts
- Complete details on belts, pulleys, drive outputs and tensioning
- 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, sort by most economical drive
- 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

| HIGH TORQUE SYNCHRONOUS | | | | | | | | | |
|-------------------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|------------|-------------|--|
| Drive Inputs | | | | | | | | | |
| CLICK TO CHANGE | | | | | | | | | |
| BELT PART NUMBER | ESTIMATED NOISE | CENTER DISTANCE | DRIVER SPROCKET | DRIVER BUSHING | DRIVEN SPROCKET | DRIVEN BUSHING | DRIVEN RPM | HP CAPACITY | |
| 2240-14M-40 | 80 dBA | 30.858 in. | P4414M40 | E | P5214M40 | E | 1,481 | 44.32 | |
| 2310-14M-40 | 80 dBA | 32.236 in. | P4414M40 | E | P5214M40 | E | 1,481 | 44.32 | |
| 2450-14M-40 | 80 dBA | 34.993 in. | P4414M40 | E | P5214M40 | E | 1,481 | 44.32 | |
| 2310-14M-40 | 80 dBA | 31.134 in. | P4814M40 | E | P5614M40 | E | 1,500 | 47.02 | |
| 2450-14M-40 | 80 dBA | 33.890 in. | P4814M40 | E | P5614M40 | E | 1,500 | 47.02 | |
| 2310-14M-40 | 80 dBA | 30.031 in. | P5214M40 | E | P6014M40 | E | 1,517 | 49.42 | |
| 2450-14M-40 | 80 dBA | 32.788 in. | P5214M40 | E | P6014M40 | E | 1,517 | 49.42 | |
| 1840-8M-85 | 81 dBA | 30.392 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1856-8M-85 | 81 dBA | 30.707 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1896-8M-85 | 81 dBA | 31.495 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1904-8M-85 | 81 dBA | 31.652 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1920-8M-85 | 81 dBA | 31.967 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1928-8M-85 | 81 dBA | 32.125 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1936-8M-85 | 81 dBA | 32.282 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1952-8M-85 | 81 dBA | 32.597 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1992-8M-85 | 81 dBA | 33.384 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 2000-8M-85 | 81 dBA | 33.542 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 2056-8M-85 | 81 dBA | 34.644 in. | P348M85 | SH | P408M85 | MPB | 1,488 | 40.68 | |
| 1856-8M-85 | 81 dBA | 30.077 in. | P388M85 | SH | P448M85 | MPB | 1,511 | 46.69 | |
| 1896-8M-85 | 81 dBA | 30.865 in. | P388M85 | SH | P448M85 | MPB | 1,511 | 46.69 | |
| 1904-8M-85 | 81 dBA | 31.022 in. | P388M85 | SH | P448M85 | MPB | 1,511 | 46.69 | |
| 1920-8M-85 | 81 dBA | 31.337 in. | P388M85 | SH | P448M85 | MPB | 1,511 | 46.69 | |

Thorough Analysis of Existing Belt Drives:

- V-belt and synchronous drives
- Individual or banded belts
- Complete analysis and details for belts, pulleys, drive outputs, tensioning
- 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

WELCOME

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

LOGIN REGISTER

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PowerMiser

Chain Engineer

Resources

About

TIMKEN BELTS

www.timkenbelts.com

HEAVY DUTY V-BELT

Drive Inputs

CLICK TO CHANGE

PULLEY DETAILS

DRIVER

Pulley P/N: I B 44 SH

Bushing: SH

Shaft Size: 1/2 in. — 1 11/16 in.

Datum Diameter: 4.400 in.

Pitch Diameter: 4.750 in.

RPM: 1,750

DRIVEN

Pulley P/N: I B 44 SH

Bushing: SH

Shaft Size: 1/2 in. — 1 11/16 in.

Datum Diameter: 4.400 in.

Pitch Diameter: 4.750 in.

RPM: 1,750

BELT DETAILS

Belt P/N: BX63

HP Capacity per Belt: 6.8

Design HP: 6.5

DRIVE OUTPUT DETAILS

Center Distance: 25.488 in.

Drive Motor: 8.7 hp

HEAVY DUTY V-BELT

Drive Inputs

CLICK TO CHANGE

PULLEY DETAILS

DRIVER

Pulley P/N: I B 44 SH

Bushing: SH

Shaft Size: 1/2 in. — 1 11/16 in.

Datum Diameter: 4.400 in.

Pitch Diameter: 4.750 in.

RPM: 1,750

DRIVEN

Pulley P/N: I B 44 SH

Bushing: SH

Shaft Size: 1/2 in. — 1 11/16 in.

Datum Diameter: 4.400 in.

Pitch Diameter: 4.750 in.

RPM: 1,750

BELT DETAILS

Belt P/N: BX63

Actual SF: 1.35

HP Capacity per Belt: 6.8

Drive HP Capacity: 6.8

Design HP: 6.5

DRIVE OUTPUT DETAILS

Center Distance: 25.488 in.

Drive Motor: 8.7 hp

TIMKEN BELTS

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

Performance Driven. **Performance Proven.**

www.timkenbelts.com