

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

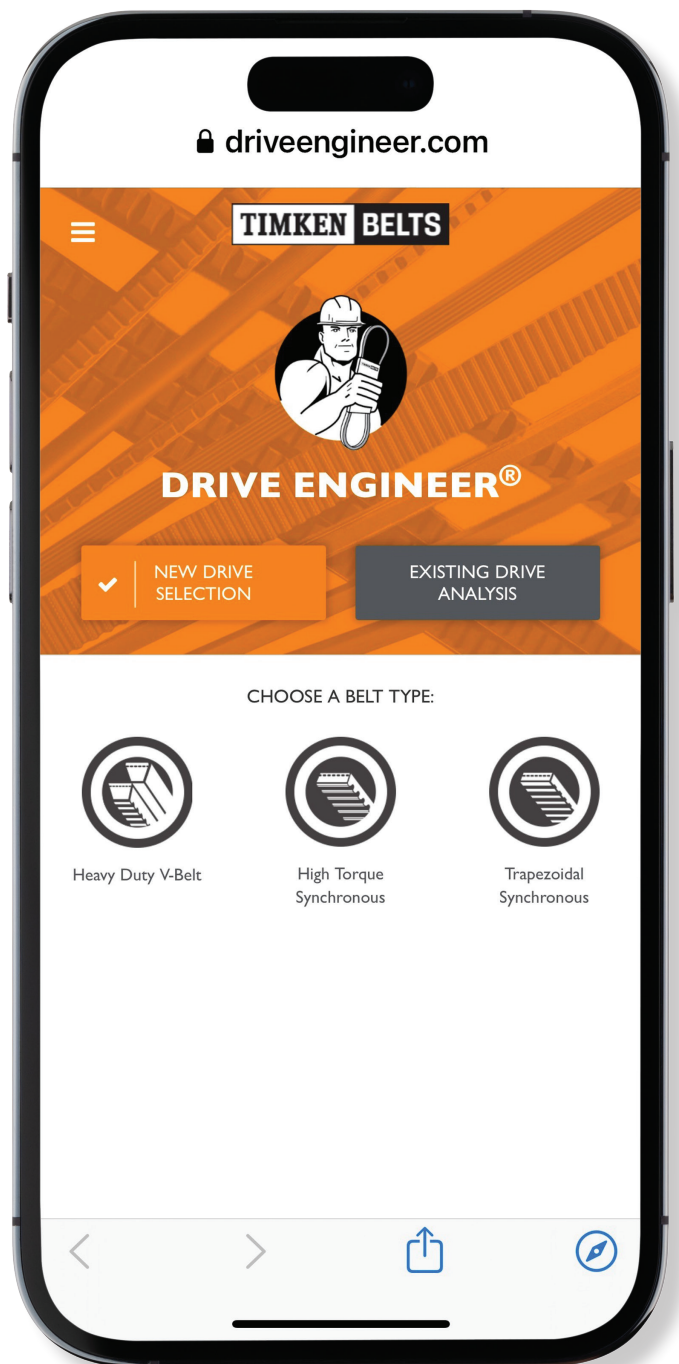


www.driveengineer.com

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									
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	
2036-8M-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.
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HEAVY DUTY V-BELT

Drive Inputs
CLICK TO CHANGE

PULLEY DETAILS

DRIVER		DRIVEN	
Pulley P/N:	I B 44 SH	Pulley P/N:	I B 44 SH
Bushing:	SH	Bushing:	SH
Shaft Size:	1/2 in. - 1 11/16 in.	Shaft Size:	1/2 in. - 1 11/16 in.
Datum Diameter:	4.400 in.	Datum Diameter:	4.400 in.
Pitch Diameter:	4.750 in.	Pitch Diameter:	4.750 in.
RPM:	1,750	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.



Timken® belts are part of The Timken Company's growing portfolio of engineered bearings and power transmission products. Timken Belts manufactures premium-performance power transmission belts that help keep industry in motion and the world more productive.

Performance Driven. Performance Proven.

www.timkenbelts.com