

Series 45 Fixed Center Distance Drive Set 406/5116

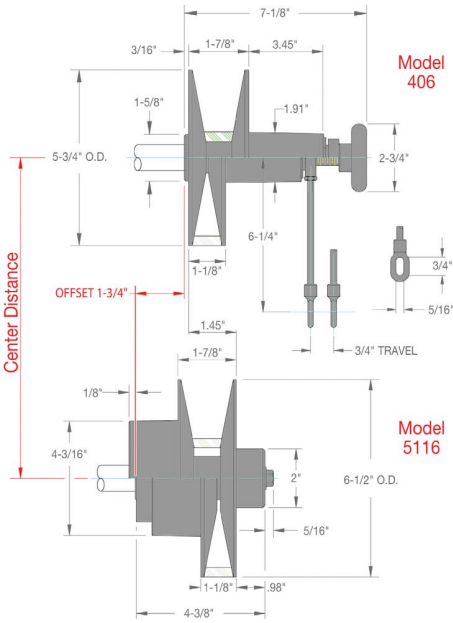


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Series 45 | Series 80

406-5116 | 407-5128 | 409-5151 | 411-5112 | 414-5122 | 414-5133 | 417-518 | 419-520

Drive System Dimensional Data



Model 406 Controllable Pulley

- Standard Bore Sizes: 5/8", 3/4", 7/8", 19mm
- Bore Depth: 2-1/4"
- Maximum Bore Size: 1"
- Approximate Pitch Diameters:
 - Maximum: 5.55"
 - Minimum: 1.77"
- Weight: 2.8 lbs.
- Handwheel Turns for Full Range: 13

[Click Here for Pulley Mounting Details](#)

Model 5116 Spring-Loaded Pulley with 7707C Mounting Collet

- Standard Bore Sizes: 1/2", 5/8", 3/4", 7/8", 19mm
- Bore Depth: 2-1/2"
- Maximum Bore Size: 7/8"
- Approximate Pitch Diameters:
 - Maximum: 6.30"
 - Minimum: 2.10"
- Weight: 3.1 lbs.
- Collet Weight: .1 lbs

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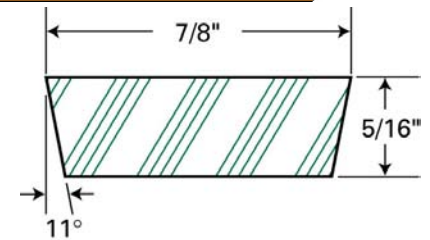
Power Ratings

HORSEPOWER RATINGS

1, 3/4, 1/2 H.P.	with 1750 RPM Driver
3/4, 1/2 H.P.	with 1150 RPM Driver
2, 1-1/2, 1 H.P.	with 3500 RPM Driver

Model **406** Controllable Up to 7.66 : 1 Speed Ratio Model **5116** Spring Loaded

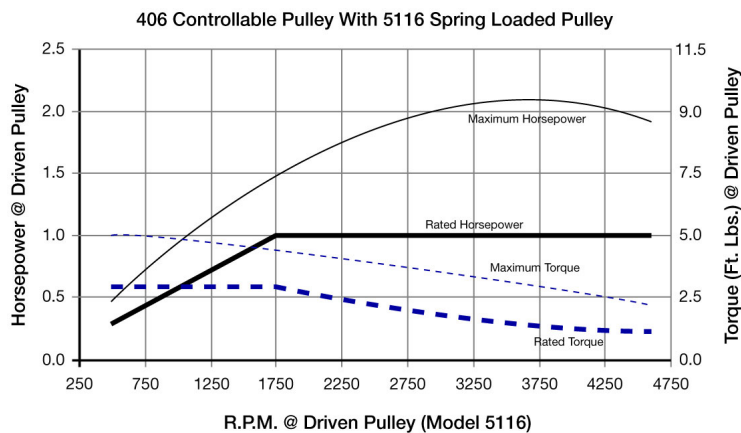
Belt Dimensions



Belt	Center Distance
1422V270	6.79
1422V290	7.84
1422V300	8.36
1422V330	9.91
1422V340	10.42
1422V360	11.44
1422V400	13.47
1422V420	14.49

[More Belt Choices](#)

Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 407/5128

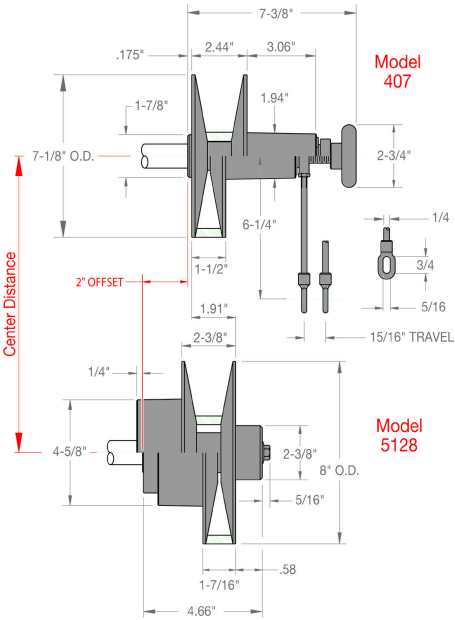


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Series 45 | Series 80

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Drive System Dimensional Data



Model 407 Controllable Pulley

- Standard Bore Sizes: 5/8", 3/4", 7/8", 19mm
- Bore Depth: 2-1/4"
- Maximum Bore Size: 1"
- Approximate Pitch Diameters:
 - Maximum: 6.90"
 - Minimum: 1.88"
- Weight: 4.2 lbs.
- Handwheel Turns for Full Range: 17

[Click Here for Pulley Mounting Details](#)

Model 5128 Spring-Loaded Pulley with 508C Mounting Collet

- Standard Bore Sizes: 5/8", 3/4", 7/8", 1, 1-1/8", 19mm, 24mm, 28mm
- Bore Depth: 3"
- Maximum Bore Size: 1-1/8"
- Approximate Pitch Diameters:
 - Maximum: 7.78"
 - Minimum: 2.92"
- Weight: 5.25 lbs.
- Collet Weight: .25 lbs.

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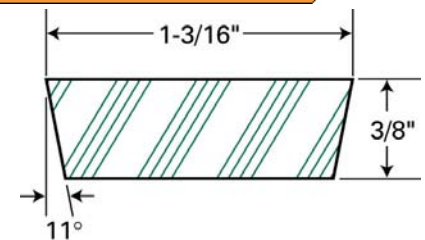
Power Ratings

HORSEPOWER RATINGS

2, 1-1/2 H.P.	with 1750 RPM Driver
1-1/2, 1 H.P.	with 1150 RPM Driver
3, 2 H.P.	with 3500 RPM Driver

Model **407** Controllable | Up to 9.8 : 1 Speed Ratio | Model **5128** Spring Loaded

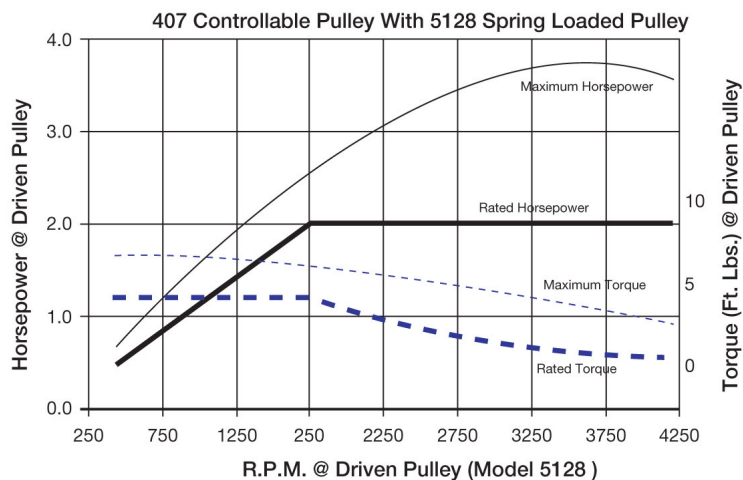
Belt Dimensions



Belt	Center Distance
1922V321	7.92
1922V332	8.51
1922V338	8.82
1922V363	10.14
1922V381	11.07
1922V386	11.33

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Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 409/5151

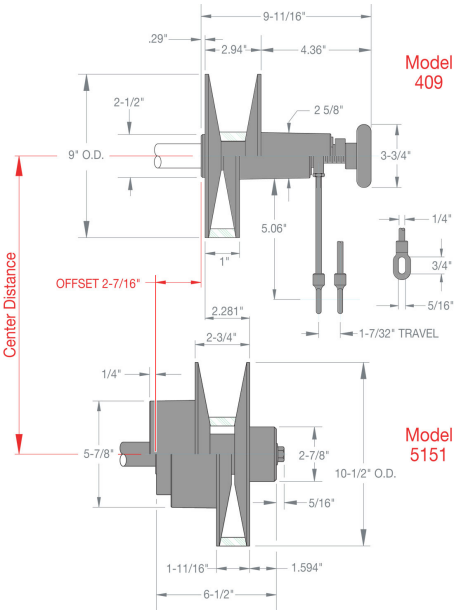


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Series 45 | Series 80

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Drive System Dimensional Data



Model 409 Controllable Pulley

- Standard Bore Sizes: 7/8", 1-1/8" 1-3/8", 19mm
- Bore Depth: 2-3/4"
- Maximum Bore Size: 1-3/8"
- Approximate Pitch Diameters:
 - Maximum: 8.75"
 - Minimum: 2.53"
- Weight: 9.5 lbs.
- Handwheel Turns for Full Range: 17

[Click Here for Pulley Mounting Details](#)

Model 5151 Spring-Loaded Pulley with 7710C Mounting Collet

- Standard Bore Sizes: 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 28mm, 38mm
- Bore Depth: 3-5/8"
- Maximum Bore Size: 1-1/2"
- Approximate Pitch Diameters:
 - Maximum: 10.25"
 - Minimum: 3.79"
- Weight: 9.7 lbs.
- Collet Weight: .5 lbs.

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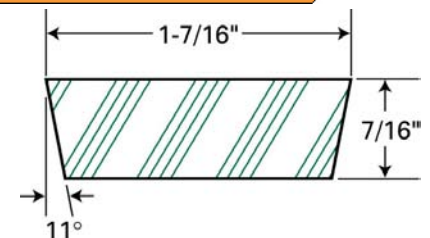
Power Ratings

HORSEPOWER RATINGS

5, 3 H.P.	with 1750 RPM Driver
3, 2, 1-1/2 H.P.	with 1150 RPM Driver
7-1/2, 5, 3 H.P.	with 3500 RPM Driver

Model **409** Controllable Up to 8.49 : 1 Speed Ratio Model **5151** Spring Loaded

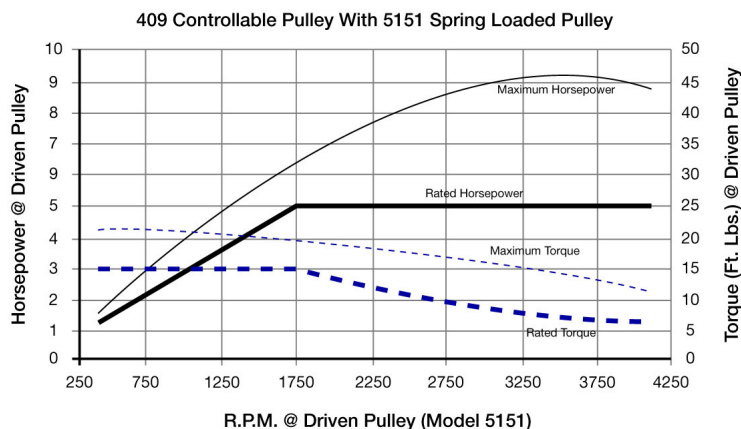
Belt Dimensions



Belt	Center Distance
2322V421	10.29
2322V434	10.99
2322V441	11.36
2322V461	12.42
2322V481	13.46
2322V521	15.54

[More Belt Choices](#)

Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 411/5112

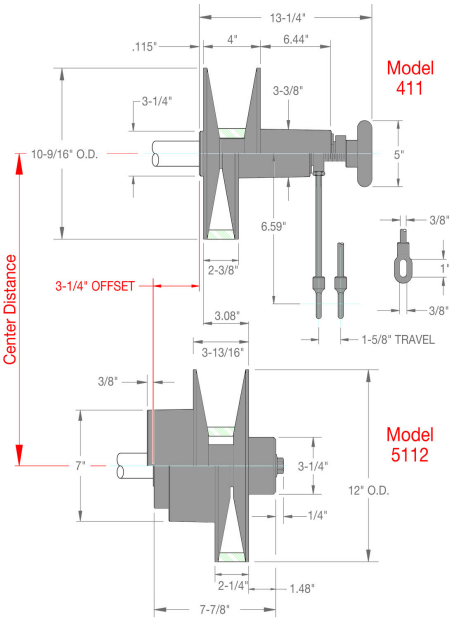


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Series 45 | Series 80

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Drive System Dimensional Data



Model 411 Controllable Pulley

- Standard Bore Sizes: 1-1/8", 1-3/8", 1-5/8", 38mm
- Bore Depth: 4"
- Maximum Bore Size: 1-3/4"
- Approximate Pitch Diameters:
 - Maximum: 10.26"
 - Minimum: 3.22"
- Weight: 14.4 lbs.
- Handwheel Turns for Full Range: 23

[Click Here for Pulley Mounting Details](#)

Model 5112 Spring-Loaded Pulley with 512C Mounting Collet

- Standard Bore Sizes: 1, 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 28mm, 38mm
- Bore Depth: 3-7/8"
- Maximum Bore Size: 1-5/8"
- Approximate Pitch Diameters:
 - Maximum: 11.70"
 - Minimum: 4.90"
- Weight: 16 lbs.
- Collet Weight: .7 lbs.

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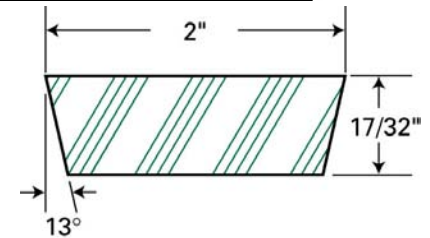
Power Ratings

HORSEPOWER RATINGS

10, 7-1/2 H.P.	with 1750 RPM Driver
7-1/2, 5 H.P.	with 1150 RPM Driver



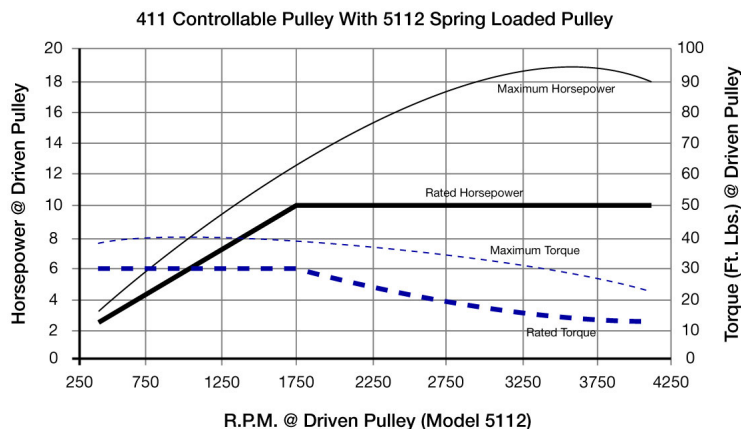
Belt Dimensions



Belt	Center Distance
3226V505	12.84
3226V514	13.31
3226V545	14.94
3226V585	17.01
3226V603	17.94
3226V650	20.35
3226V663	21.01
3226V723	24.06

[More Belt Choices](#)

Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 414/5122

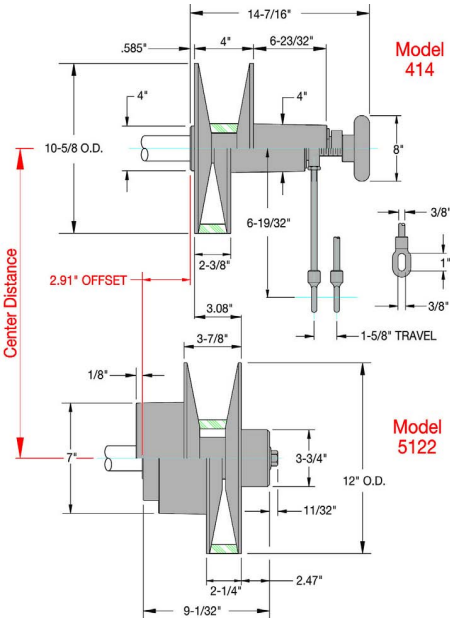


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Series 45 | Series 80

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Drive System Dimensional Data



Model 414 Controllable Pulley

- Standard Bore Sizes: 1-3/8", 1-5/8", 1-7/8", 42mm, 48mm
- Bore Depth: 4-5/8"
- Maximum Bore Size: 2-1/8"
- Approximate Pitch Diameters:
 - Maximum: 10.26"
 - Minimum: 4.06"
- Weight: 23.25 lbs.
- Handwheel Turns for Full Range: 23

[Click Here for Pulley Mounting Details](#)

Model 5122 Spring-Loaded Pulley with 7713C Mounting Collet

- Standard Bore Sizes: 1-1/8", 1-1/4", 1-3/8", 1-5/8", 1-3/4", 1-7/8", 42mm, 48mm
- Bore Depth: 4-7/8"
- Maximum Bore Size: 2"
- Approximate Pitch Diameters:
 - Maximum: 11.60"
 - Minimum: 5.50"
- Weight: 19.6 lbs.
- Collet Weight: 1.1 lbs.

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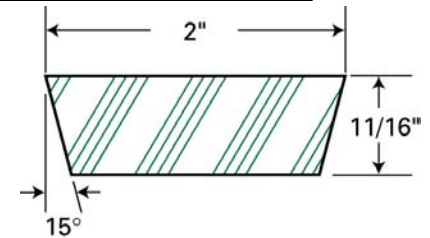
Power Ratings

HORSEPOWER RATINGS

20, 15 H.P.	with 1750 RPM Driver
15, 10 H.P.	with 1150 RPM Driver

Model **414** Controllable Up to 5.28 : 1 Speed Ratio Model **5122** Spring Loaded

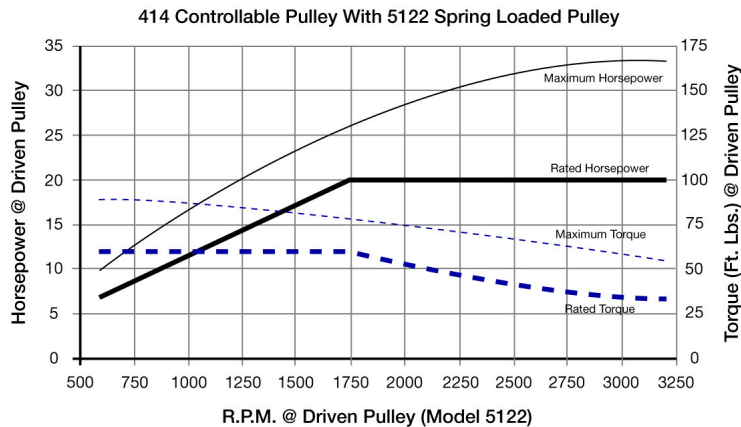
Belt Dimensions



Belt	Center Distance
3230HV528	13.58
3230HV546	14.52
3230HV553	14.88
3230HV570	15.76
3230HV585	16.53
3230HV603	17.45

[More Belt Choices](#)

Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 414/5133



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Drive System Dimensional Data

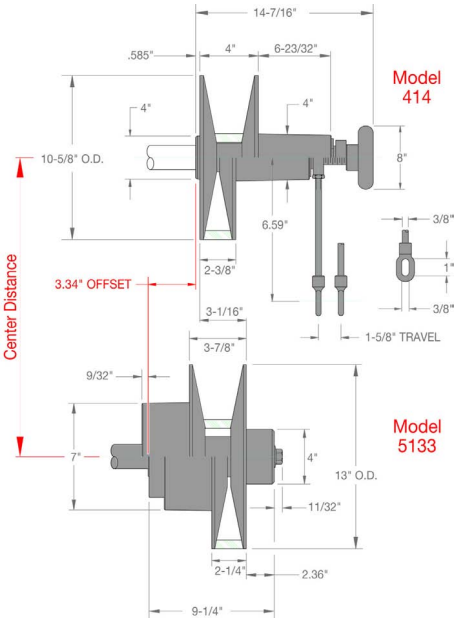
Model 414 Controllable Pulley

- Standard Bore Sizes: 1-3/8", 1-5/8", 1-7/8", 42mm, 48mm
- Bore Depth: 4-5/8"
- Maximum Bore Size: 2-1/8"
- Approximate Pitch Diameters:
 - Maximum: 10.26"
 - Minimum: 4.06"
- Weight: 23.25 lbs.
- Handwheel Turns for Full Range: 23

[Click Here for Pulley Mounting Details](#)

Model 5133 Spring-Loaded Pulley with 7713C Mounting Collet

- Standard Bore Sizes: 1-1/8", 1-1/4", 1-3/8", 1-5/8", 1-3/4", 1-7/8", 42mm, 48mm
- Bore Depth: 4-7/8"
- Maximum Bore Size: 2"
- Approximate Pitch Diameters:
 - Maximum: 12.60"
 - Minimum: 6.50"
- Weight: 24.8 lbs.
- Collet Weight: 1.1 lbs.



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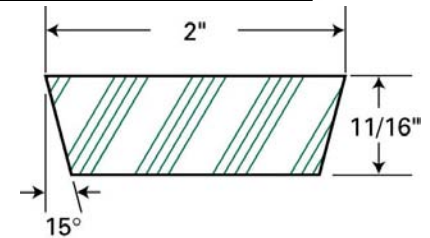
Power Ratings

HORSEPOWER RATINGS

30, 25 H.P.	with 1750 RPM Driver
20, 15 H.P.	with 1150 RPM Driver

Model **414** Controllable Up to 4.78 : 1 Speed Ratio Model **5133** Spring Loaded

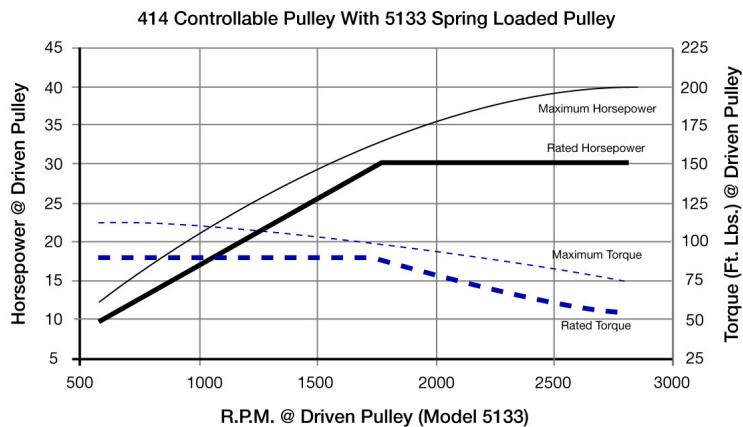
Belt Dimensions



Belt	Center Distance
3230HV528	12.60
3230HV546	13.55
3230HV553	13.92
3230HV570	14.81
3230HV585	15.59
3230HV603	16.52

[More Belt Choices](#)

Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 417/518

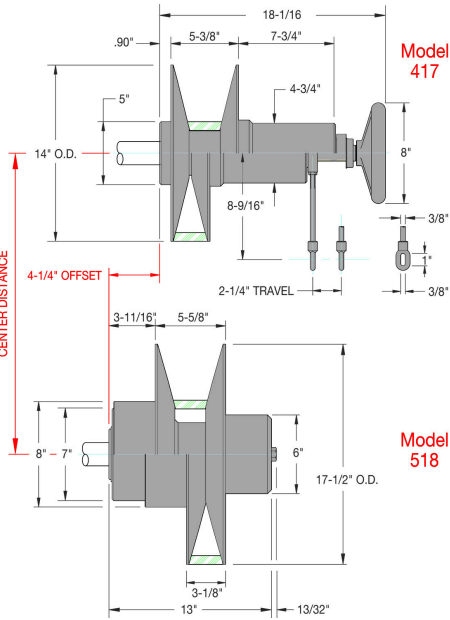


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Series 45 | Series 80

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Drive System Dimensional Data



Model 417 Controllable Pulley

- Standard Bore Sizes: None. The bore size is made to order.
- Bore Depth: 5-3/4"
- Maximum Bore Size: 2-3/8"
- Approximate Pitch Diameters:
 - Maximum: 13.60"
 - Minimum: 4.59"
- Weight: 45 lbs.
- Handwheel Turns for Full Range: 27

[Click Here for Pulley Mounting Details](#)

Model 518 Spring-Loaded Pulley with 518C Mounting Collet

- Standard Bore Sizes: None. The bore size is made to order.
- Bore Depth: 6-1/4"
- Maximum Bore Size: 2-3/4"
- Approximate Pitch Diameters:
 - Maximum: 17.10"
 - Minimum: 8.09"
- Weight: 58 lbs.
- Collet Weight: 2.5 lbs.

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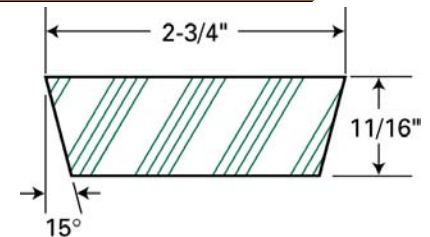
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Power Ratings

518-40 HORSEPOWER RATINGS	
40 H.P.	with 1750 RPM Driver
25 H.P.	with 1150 RPM Driver
518-60 HORSEPOWER RATINGS	
60, 50 H.P.	with 1750 RPM Driver
40, 30 H.P.	with 1150 RPM Driver

Model **417** Controllable Up to 6.02 : 1 Speed Ratio Model **518** Spring Loaded

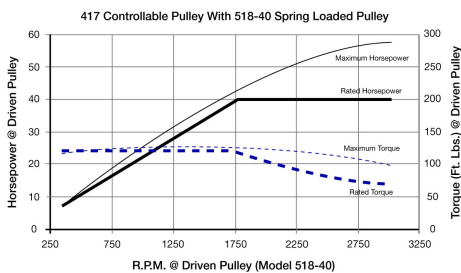
Belt Dimensions



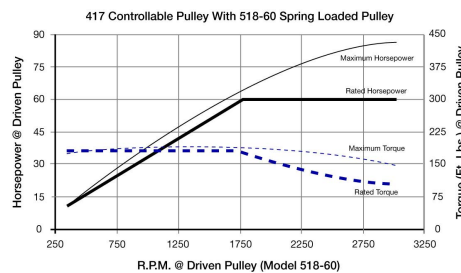
Belt	Center Distance
4430V690	16.27
4430V700	16.81
4430V710	17.35

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Power Curves vs Driven Speed



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Series 45 Fixed Center Distance Drive Set 419/520

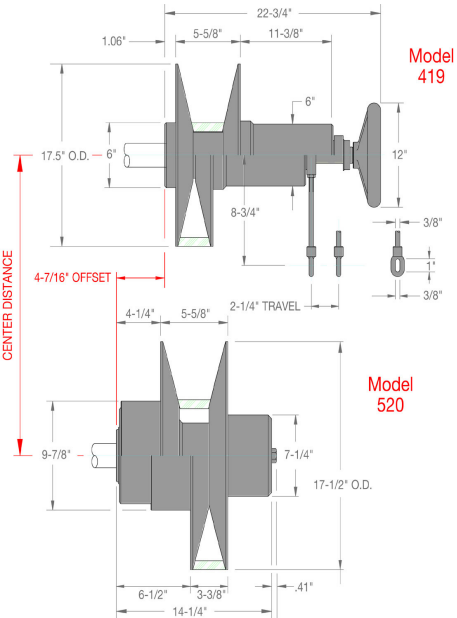


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Series 45 | Series 80

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Drive System Dimensional Data



Model 419 Controllable Pulley

- Standard Bore Sizes: None. The bore size is made to order.
- Bore Depth: 7"
- Maximum Bore Size: 2-7/8"
- Approximate Pitch Diameters:
 - Maximum: 17.05"
 - Minimum: 9.85"
- Weight: 88 lbs.
- Handwheel Turns for Full Range: 27

[Click Here for Pulley Mounting Details](#)

Model 520 Spring-Loaded Pulley with 520C Mounting Collet

- Standard Bore Sizes: None. The bore size is made to order.
- Bore Depth: 6-3/4"
- Maximum Bore Size: 3-1/8"
- Approximate Pitch Diameters:
 - Maximum: 17.05"
 - Minimum: 9.85"
- Weight: 71 lbs.
- Collet Weight: 4 lbs.

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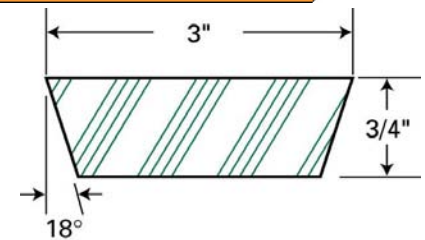
Power Ratings

HORSEPOWER RATINGS

100, 75 H.P.	with 1750 RPM Driver
60, 50 H.P.	with 1150 RPM Driver

Model **419** Controllable Up to 3 : 1 Speed Ratio Model **520** Spring Loaded

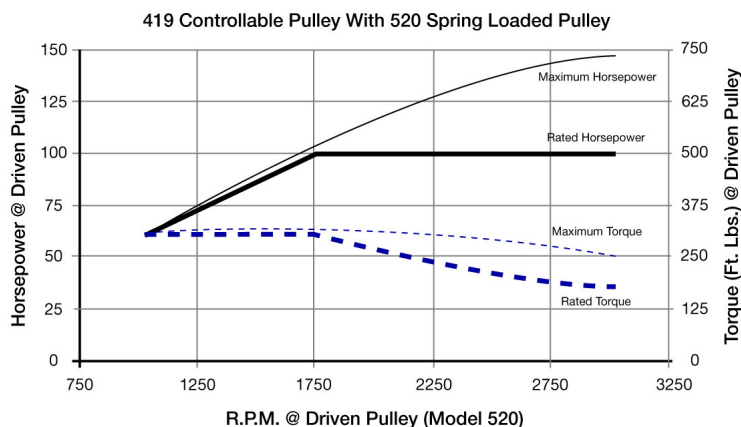
Belt Dimensions



Belt	Center Distance
8033	18.54
8034	21.08
8035	23.62
8036	26.14
8037	28.66
8038	31.69
8039	34.70

[More Belt Choices](#)

Power Curves vs Driven Speed



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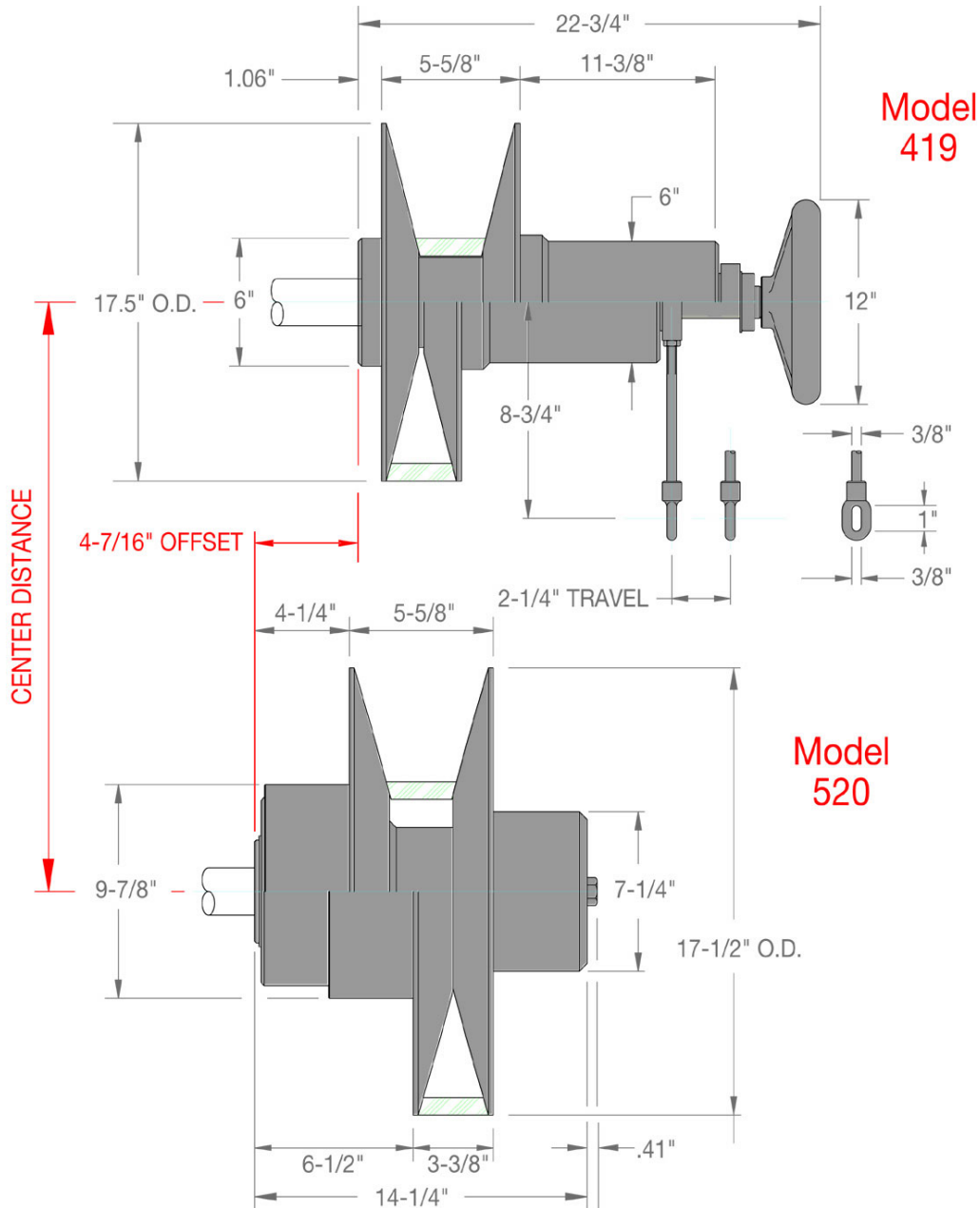


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Drive System Dimensional Data



All belt drives must be adequately guarded for personal safety during operation.

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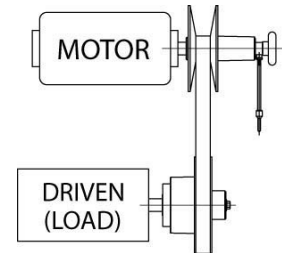


Installation Alternatives

Standard "C Flow" Configuration:

All dimensional and driven data presented on this page assumes a standard "C Flow" configuration, where the motor shaft and driven shaft are on the same side.

Additionally, we are assuming that the controllable (mechanical) pulley is mounted on the motor shaft, and the spring-loaded pulley is mounted on the driven shaft.

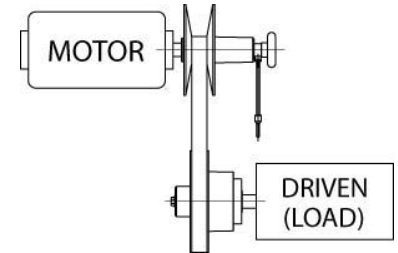


"Z Flow" Configuration:

"Z Flow" configurations, where the motor shaft and driven shaft are on opposite sides, are also common.

While the driven data does not change i.e. output speeds, horsepower ratings, etc., the spring loaded driven pulley must be ordered as a **reverse bore**.

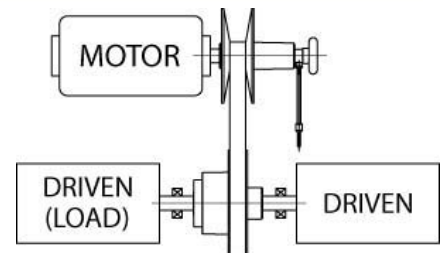
Dimensional data does change, but we can provide a layout drawing of the configuration upon request.



"Thru-Bore" Configuration:

Some applications require that the driven shaft pass all the way through the spring-loaded driven pulley.

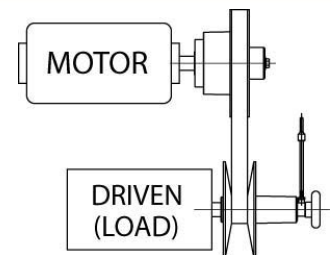
Dimensional and driven data relative to our standard configuration do not change, but the spring-loaded driven pulley must be ordered as a **through bore**.



"Reverse" Installation:

Not to be confused with a reverse bore, this configuration calls for the spring-loaded pulley to be mounted on the motor, and the controllable (mechanical) pulley to be mounted on the driven shaft.

Dimensional and driven data change significantly relative to our standard configuration, but we can provide dimensional and driven data for such an installation upon request.





Pulley Mounting

A. Controllable (mechanical) Pulley:

The standard controllable pulley is bored to size with a NEMA standard keyway.

These pulleys are affixed to the shaft by means of two setscrews located 120 degrees apart, with one of the setscrews located over the keyway.

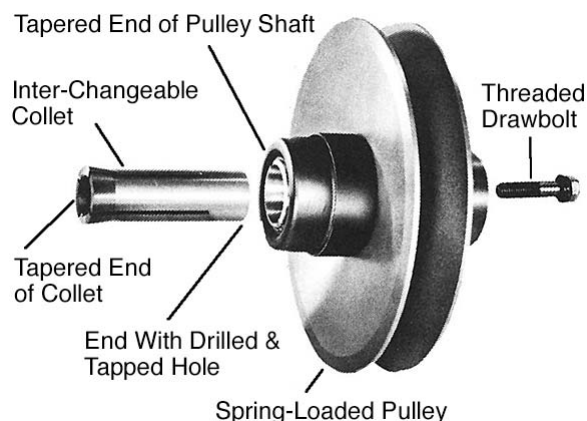
B. Spring-Loaded Driven Pulley:

Our standard spring-loaded driven pulley is affixed to the shaft via our interchangeable collet, as illustrated to the right.

One end of the collet is tapered to match the tapered pulley shaft, and the opposite end of the collet features a drilled and tapped hole.

The drawbolt is inserted through the pulley, and threads into the back end of the collet.

As the collet is drawn into the pulley shaft, the tapers of the collet and pulley shaft engage, and the collet locks down with a 360 degree grip on the driven shaft, and results in a truer running pulley.



Eliminating the use of setscrews, and in most instances keyway and key, pulley installation can be accomplished in minutes.

Absent the primary sources of fretting corrosion, pulley removal can likewise be accomplished swiftly, even after years of service in the field.

C. Non-Standard Bores:

Always **contact the engineering department** in the event that you anticipate using a **non-standard bore**, or **non-standard size**.

By way of example, if you require a **through bore** in the spring loaded pulley, the I.C. collet cannot be utilized.

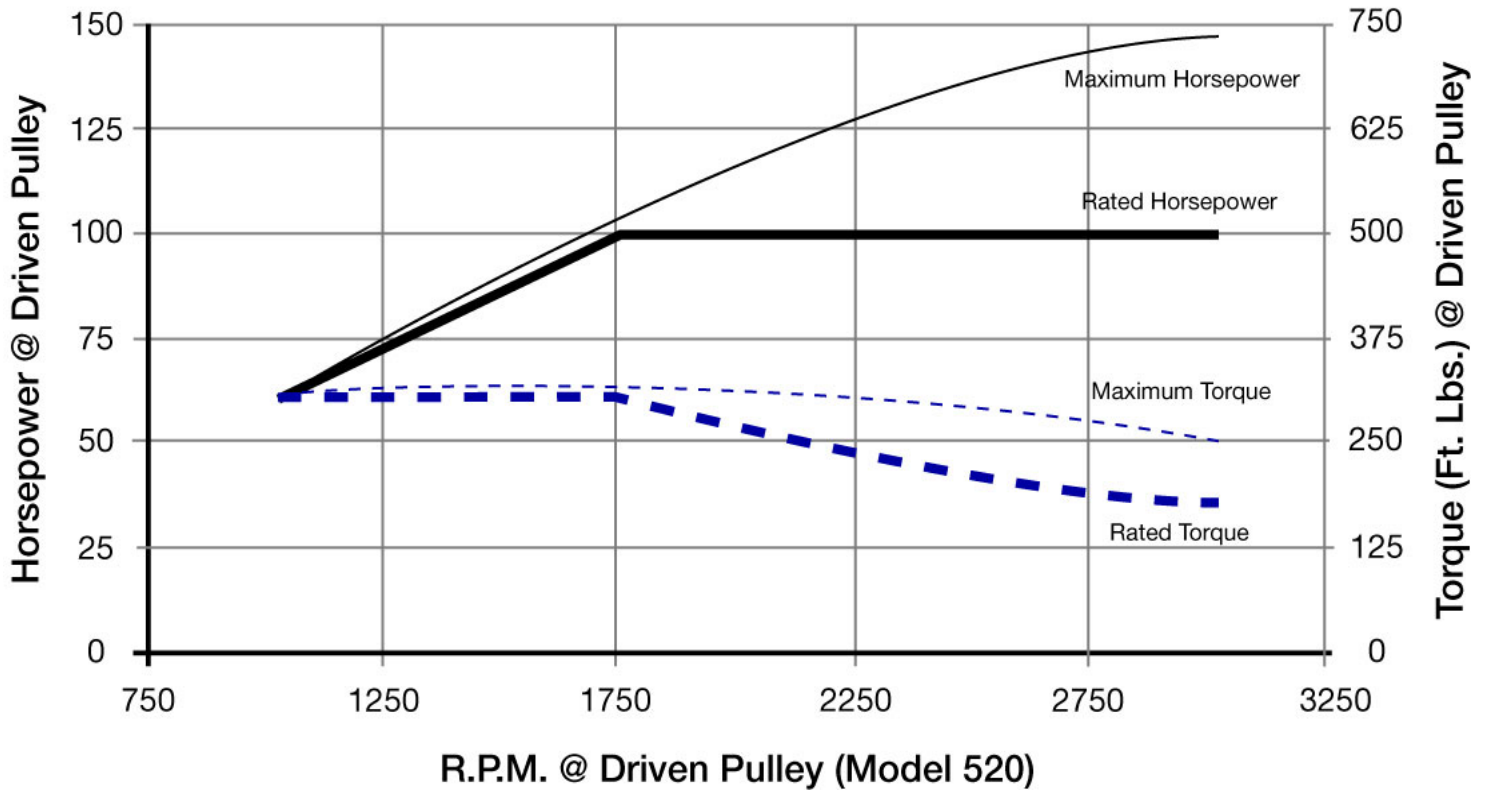
In this instance, we would bore the pulley shaft to size, but a discussion of keyway size and length as well as setscrew locations would be in order.

Likewise, **non-standard bore sizes** may warrant a discussion on attending keyway dimensions, and one time tooling charges to accommodate your special bore size request.



Power Curves vs Driven Speed

419 Controllable Pulley With 520 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed..

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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
8033	18.54	1010	3032	3.00
8034	21.08	1010	3032	3.00
8035	23.62	1010	3032	3.00
8036	26.14	1010	3032	3.00
8037	28.66	1010	3032	3.00
8038	31.69	1010	3032	3.00
8039	34.70	1010	3032	3.00
8040	37.72	1010	3032	3.00
8041	41.23	1010	3032	3.00

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Series 45 Fixed Center Distance Drive Set 417/518

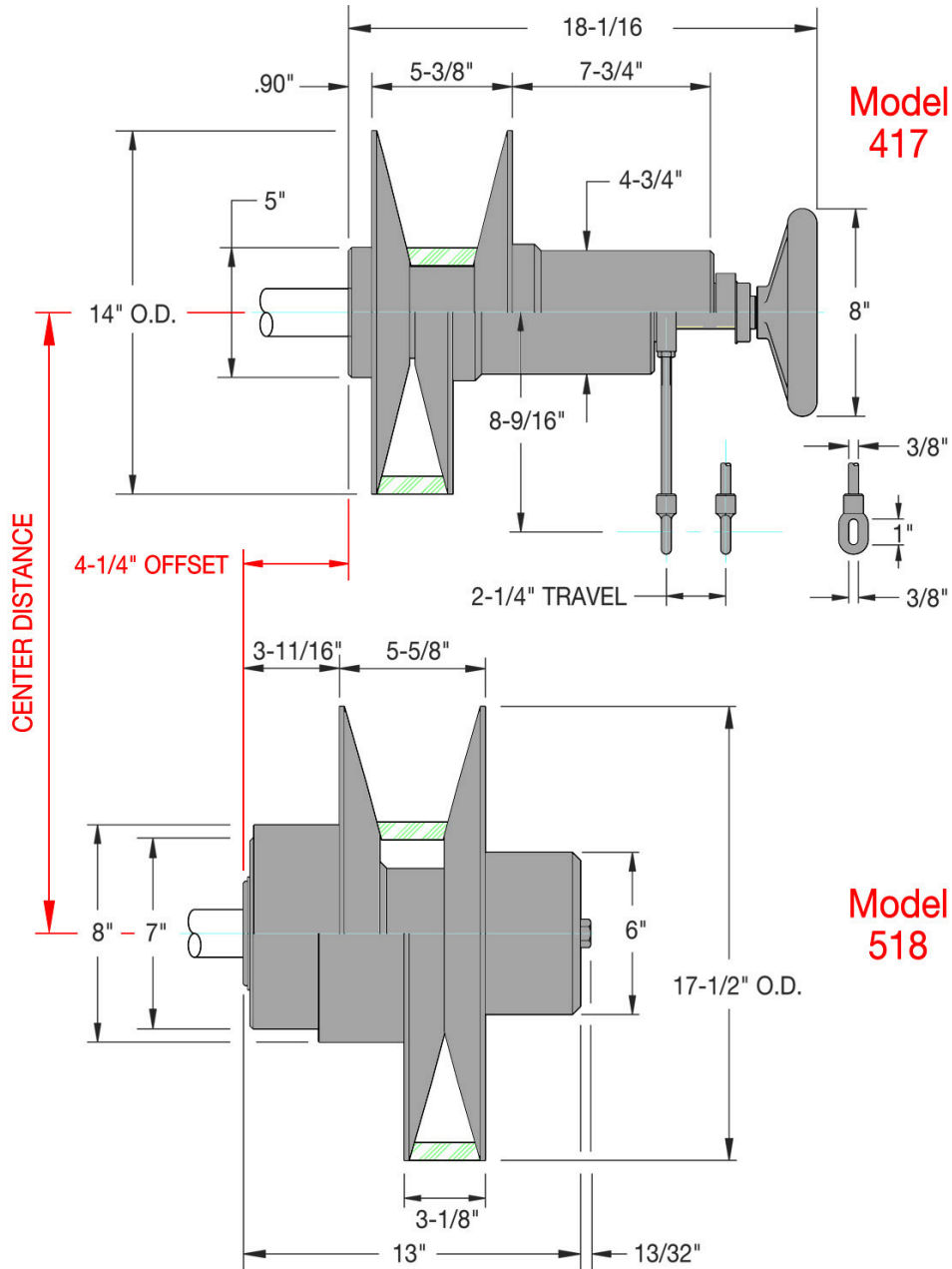


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Drive System Dimensional Data



All belt drives must be adequately guarded for personal safety during operation.

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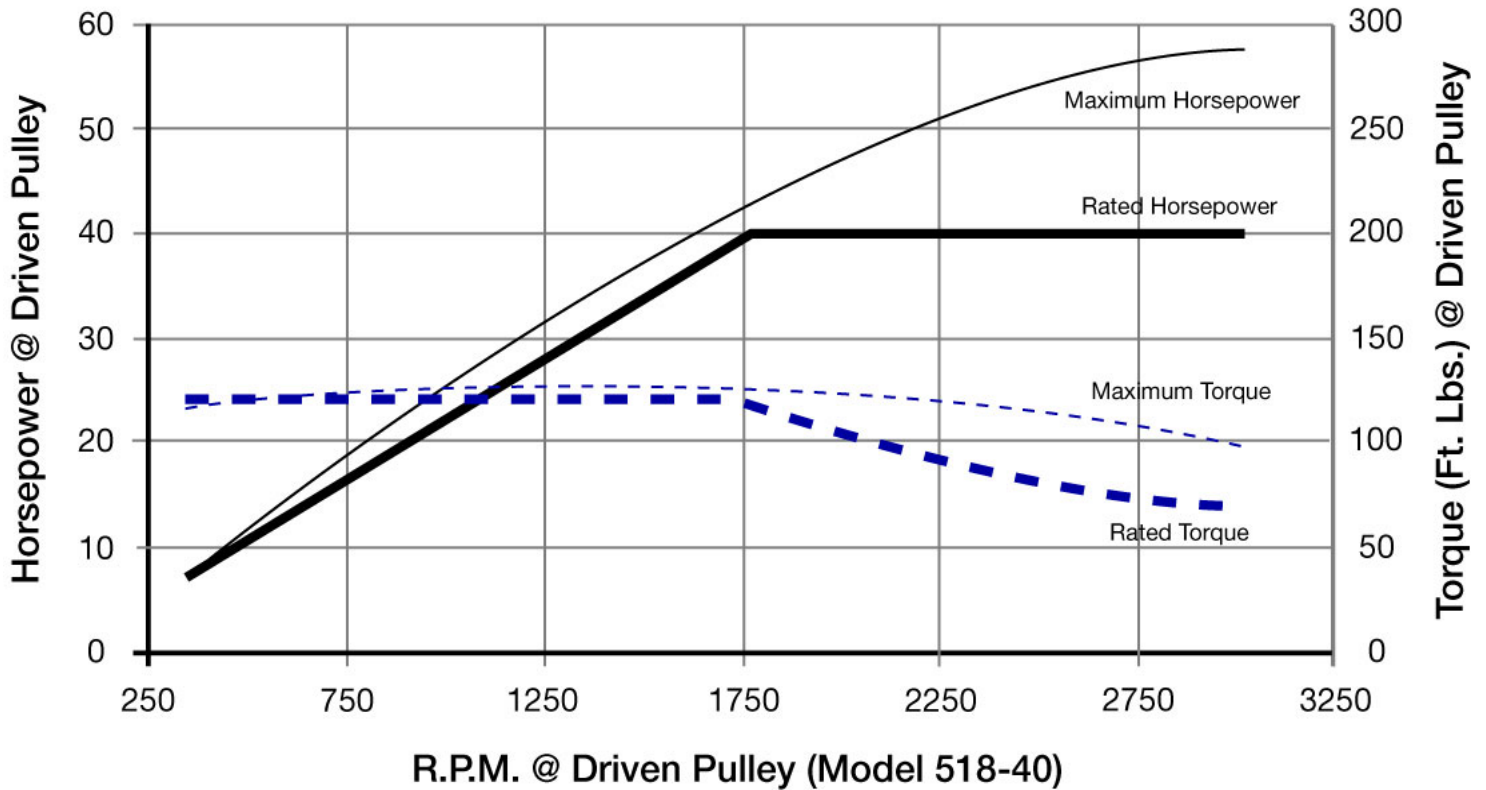
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Power Curves vs Driven Speed

417 Controllable Pulley With 518-40 Spring Loaded Pulley



Important Notes:

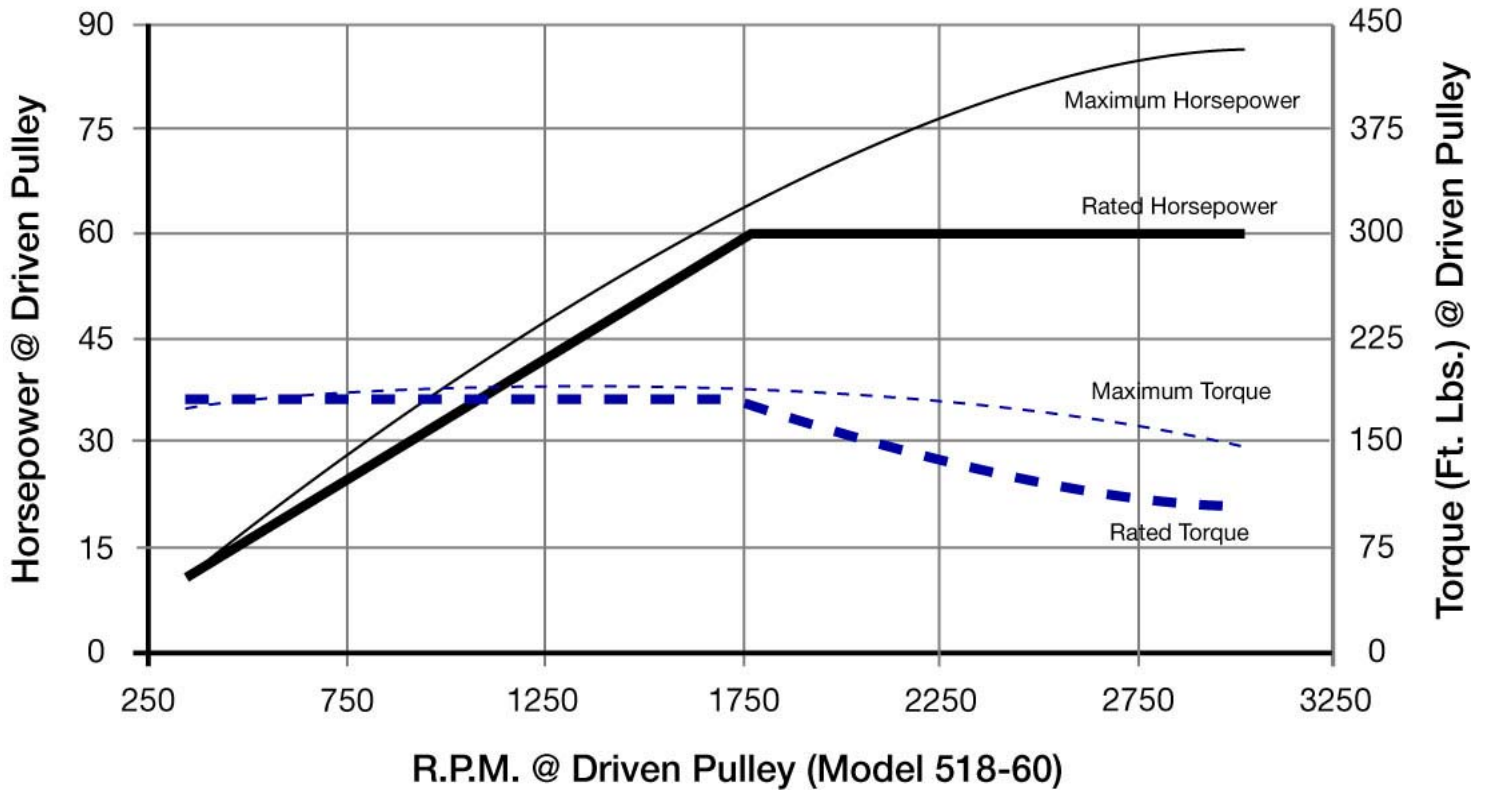
1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Power Curves vs Driven Speed

417 Controllable Pulley With 518-60 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Series 45 Fixed Center Distance Drive Set 417/518



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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
4430V690	16.27	470	2518	5.36
4430V700	16.81	470	2530	5.39
4430V710	17.35	470	2542	5.41
4430V718	17.77	470	2551	5.43
4430V730	18.41	470	2564	5.46
4430V740	18.94	470	2574	5.48
4430V750	19.47	470	2583	5.50
4430V760	19.99	470	2592	5.52
4430V780	21.04	470	2609	5.55
4430V790	21.57	470	2617	5.57
4430V800	22.09	470	2624	5.59
4430V850	24.68	470	2656	5.65
4430V900	27.26	470	2682	5.71
4430V910	27.77	470	2687	5.72
4430V930	28.79	470	2695	5.74
4430V950	29.82	470	2704	5.76
4430V970	30.84	470	2711	5.77
4430V1000	32.37	470	2722	5.79
4430V1030	33.90	470	2732	5.82
4430V1060	35.42	470	2740	5.83
4430V1090	36.94	470	2748	5.85
4430V1120	38.46	470	2756	5.87
4430V1150	39.98	470	2763	5.88
4430V1180	41.50	470	2769	5.90
4430V1250	45.04	470	2783	5.92
4430V1320	48.57	470	2794	5.95
4430V1410	53.10	470	2806	5.97
4430V1460	55.62	470	2812	5.99
4430V1610	63.16	470	2828	6.02

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Series 45 Fixed Center Distance Drive Set 414/5133

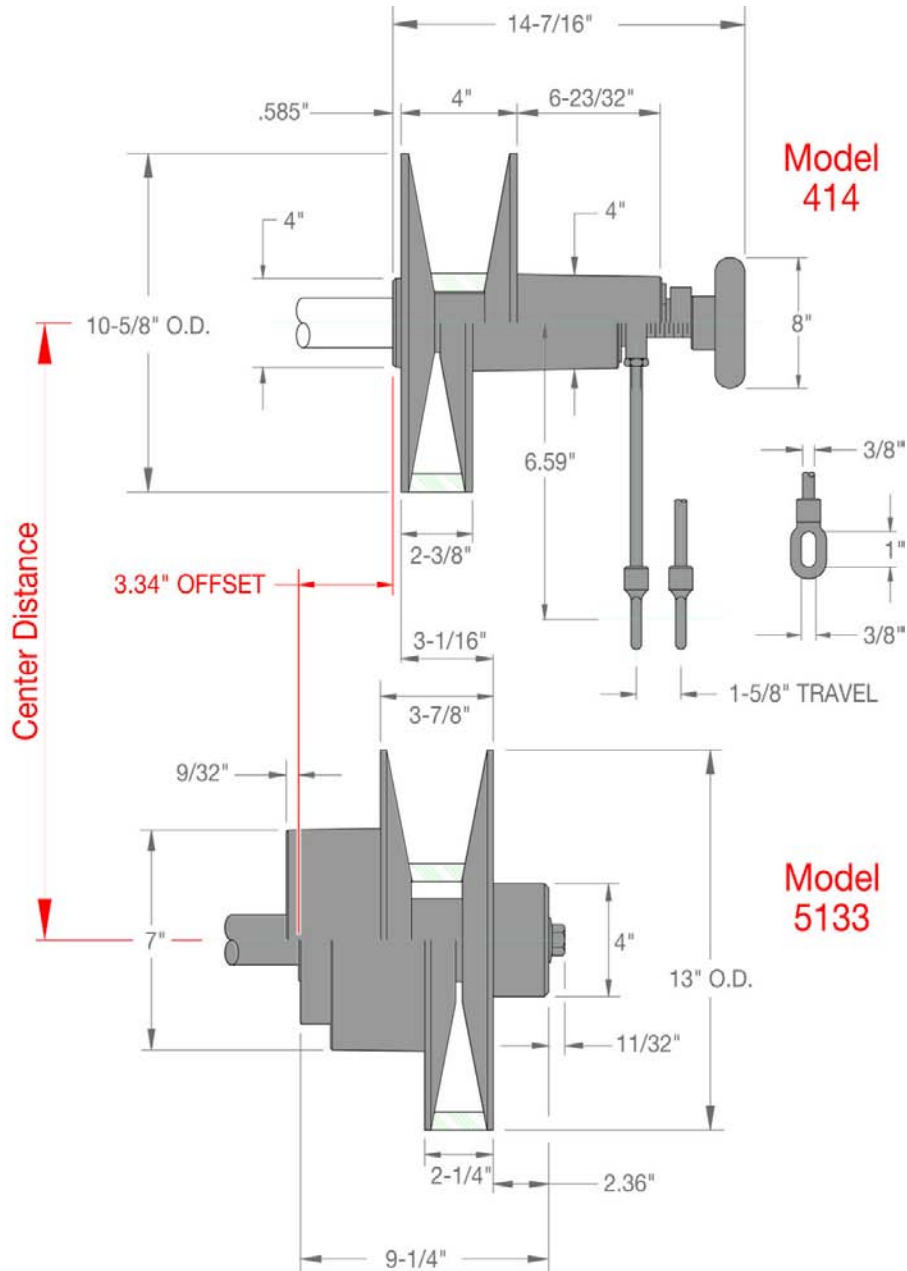


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Drive System Dimensional Data



All belt drives must be adequately guarded for personal safety during operation.

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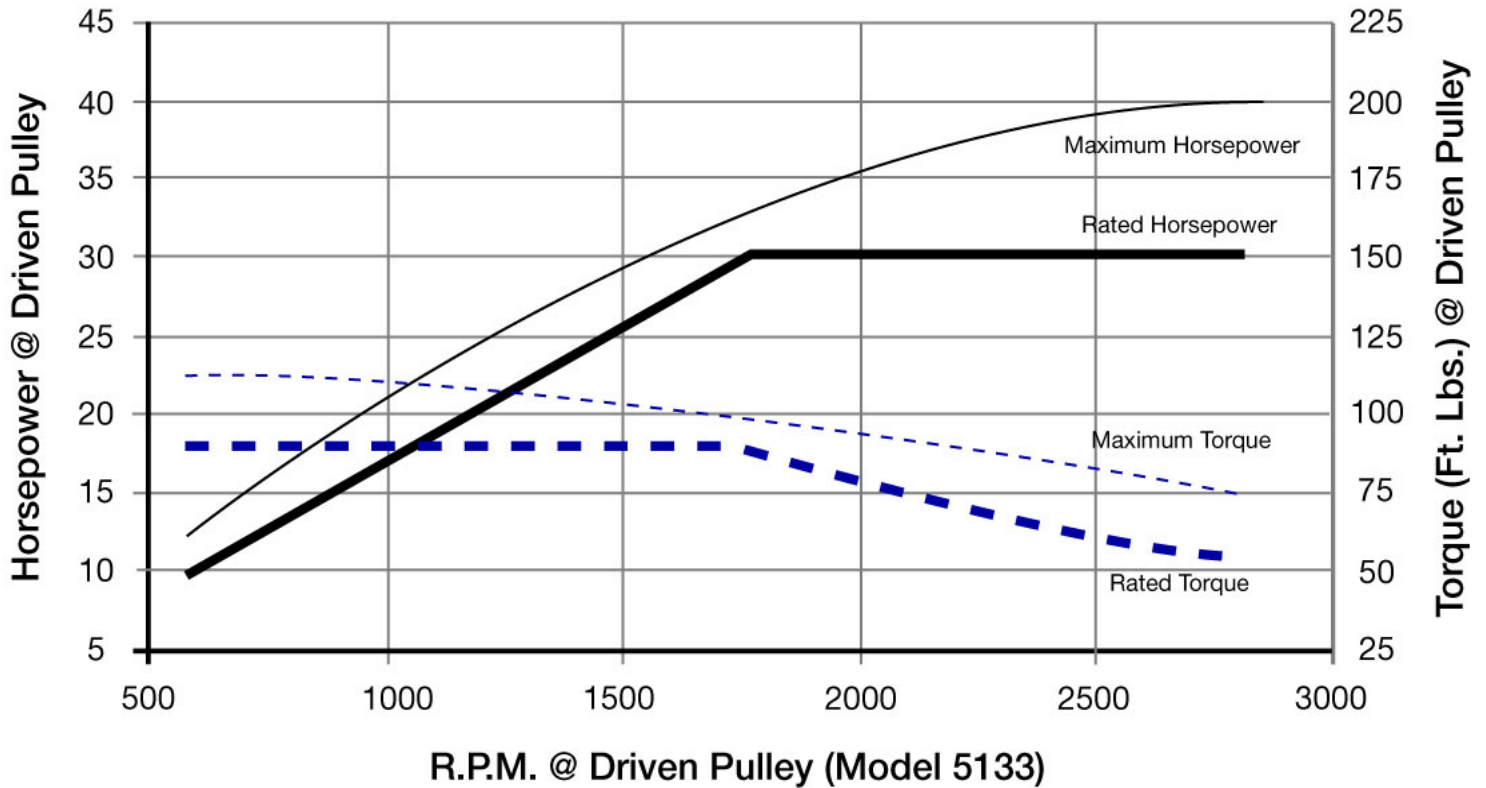
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Power Curves vs Driven Speed

414 Controllable Pulley With 5133 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
3230HV528	12.60	564	2486	4.41
3230HV546	13.55	564	2507	4.45
3230HV553	13.92	564	2515	4.46
3230HV570	14.81	564	2531	4.49
3230HV585	15.59	564	2544	4.51
3230HV603	16.52	564	2558	4.54
3230HV613	17.04	564	2565	4.55
3230HV620	17.40	564	2570	4.56
3230HV626	17.71	564	2574	4.56
3230HV644	18.63	564	2585	4.58
3230HV685	20.73	564	2606	4.62
3230HV702	21.60	564	2614	4.63
3230HV723	22.67	564	2622	4.65
3230HV783	25.72	564	2643	4.69
3230HV821	27.64	564	2653	4.71
3230HV856	29.41	564	2662	4.72
3230HV931	33.20	564	2677	4.75
3230HV960	34.66	564	2683	4.76
3230HV1060	39.69	564	2697	4.78

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Series 45 Fixed Center Distance Drive Set 414/5122

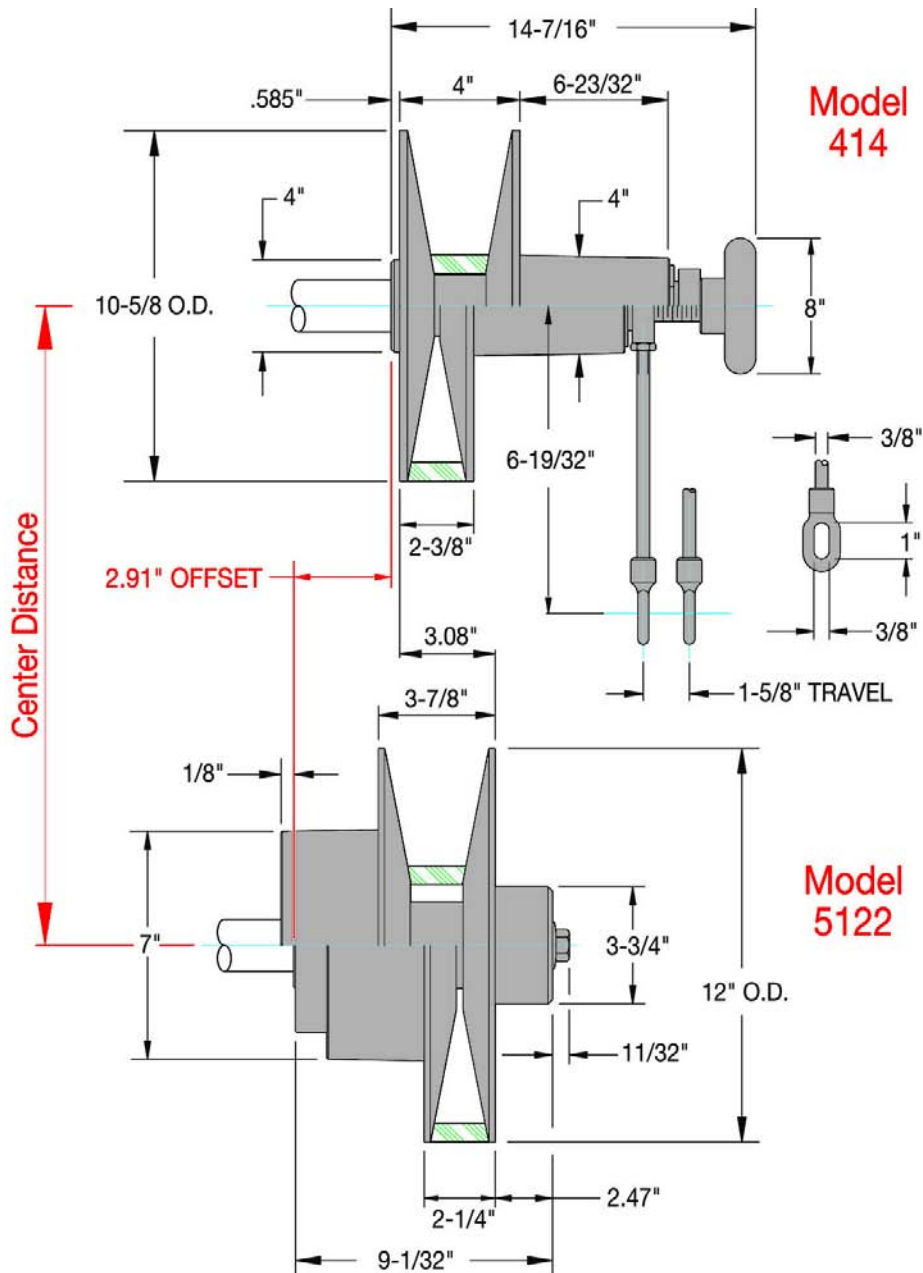


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Drive System Dimensional Data



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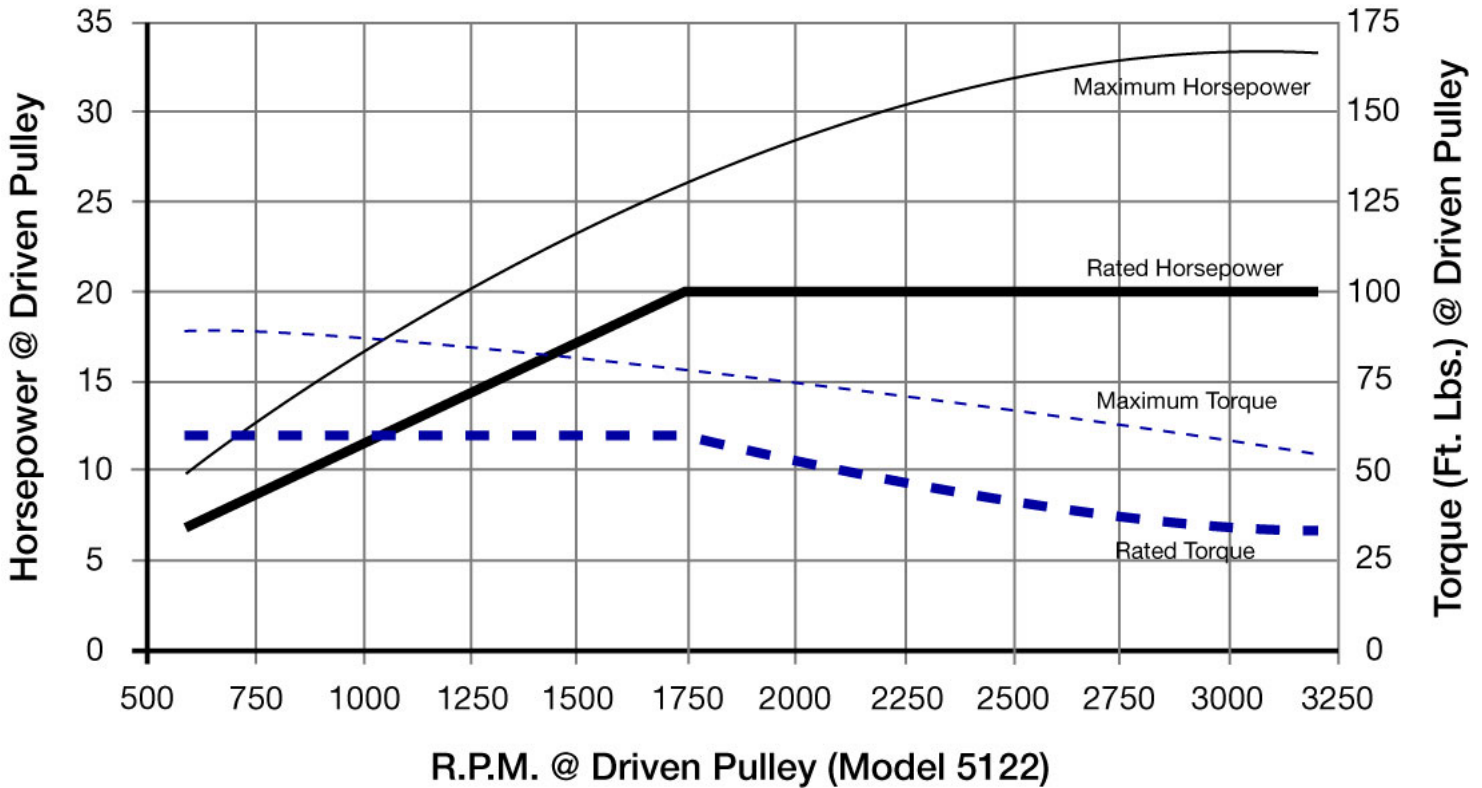
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Power Curves vs Driven Speed

414 Controllable Pulley With 5122 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
3230HV528	13.58	613	3067	5.01
3230HV546	14.52	613	3083	5.03
3230HV553	14.88	613	3089	5.04
3230HV570	15.76	613	3102	5.06
3230HV585	16.53	613	3112	5.08
3230HV603	17.45	613	3123	5.10
3230HV613	17.96	613	3129	5.11
3230HV620	18.32	613	3132	5.11
3230HV626	18.63	613	3136	5.12
3230HV644	19.54	613	3144	5.13
3230HV685	21.63	613	3161	5.16
3230HV702	22.49	613	3167	5.17
3230HV723	23.56	613	3174	5.18
3230HV783	26.59	613	3190	5.21
3230HV821	28.51	613	3199	5.22
3230HV856	30.27	613	3206	5.23
3230HV931	34.05	613	3218	5.25
3230HV960	35.51	613	3222	5.26
3230HV1060	40.53	613	3234	5.28

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Series 45 Fixed Center Distance Drive Set 411/5112

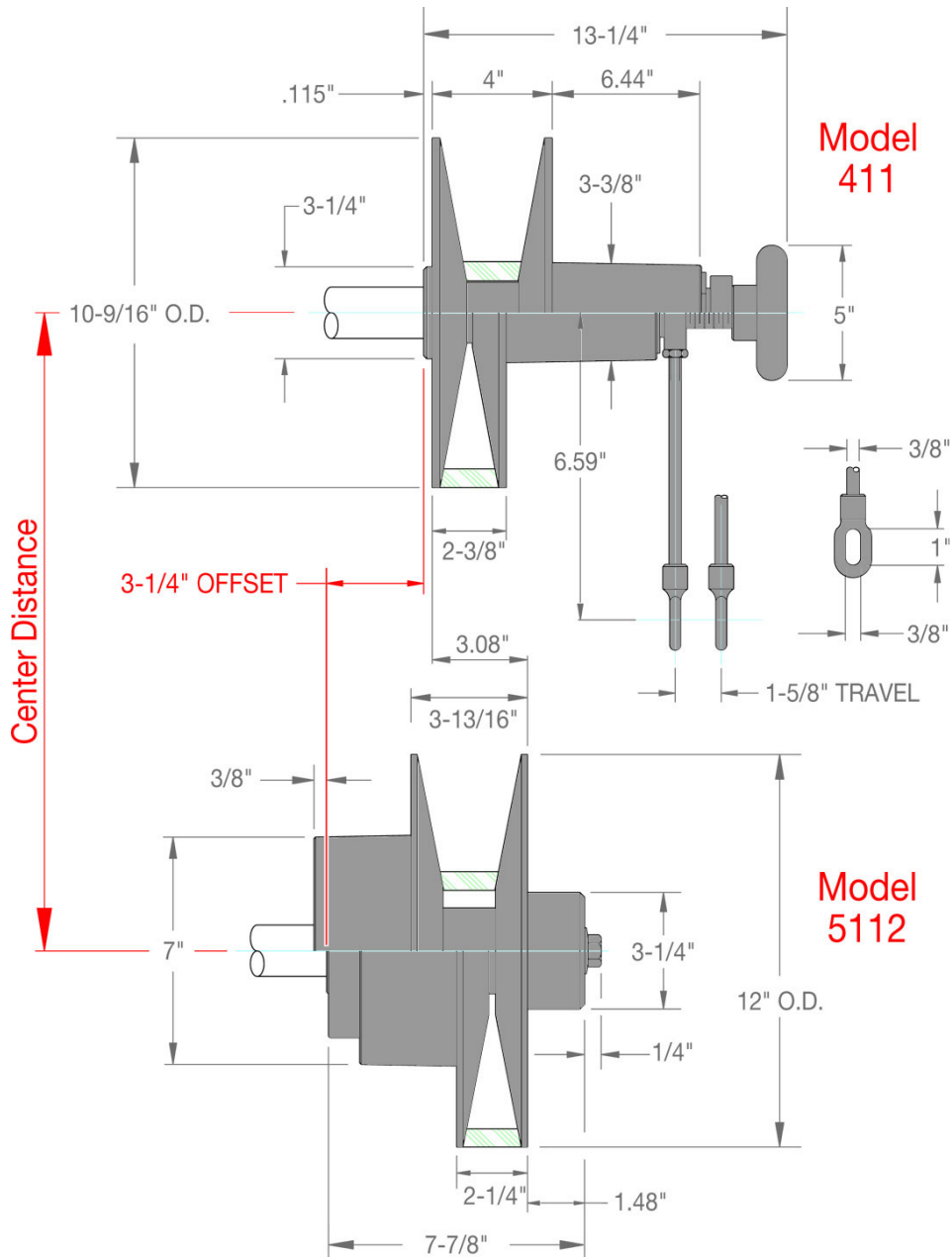


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Drive System Dimensional Data



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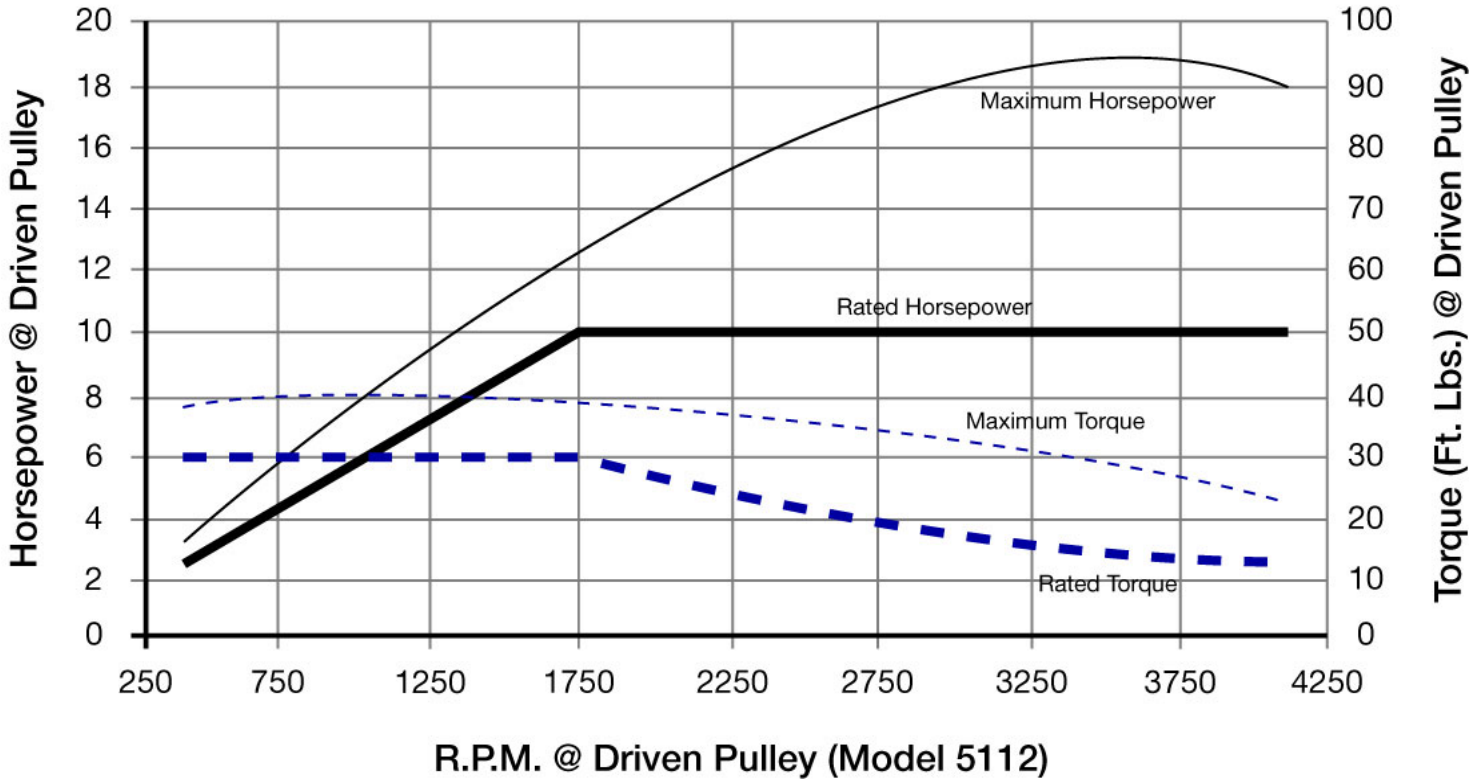
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Power Curves vs Driven Speed

411 Controllable Pulley With 5112 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
3226V505	12.84	482	3427	7.12
3226V514	13.31	482	3442	7.15
3226V545	14.94	482	3488	7.24
3226V585	17.01	482	3533	7.34
3226V603	17.94	482	3550	7.37
3226V650	20.35	482	3586	7.45
3226V663	21.01	482	3595	7.46
3226V723	24.06	482	3628	7.53
3226V783	27.11	482	3653	7.59
3226V843	30.14	482	3663	7.60
3226V903	33.17	482	3663	7.60
3226V963	36.19	482	3663	7.60
3226V1023	39.21	482	3663	7.60
3226V1083	42.22	482	3663	7.60

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Series 45 Fixed Center Distance Drive Set 409/5151

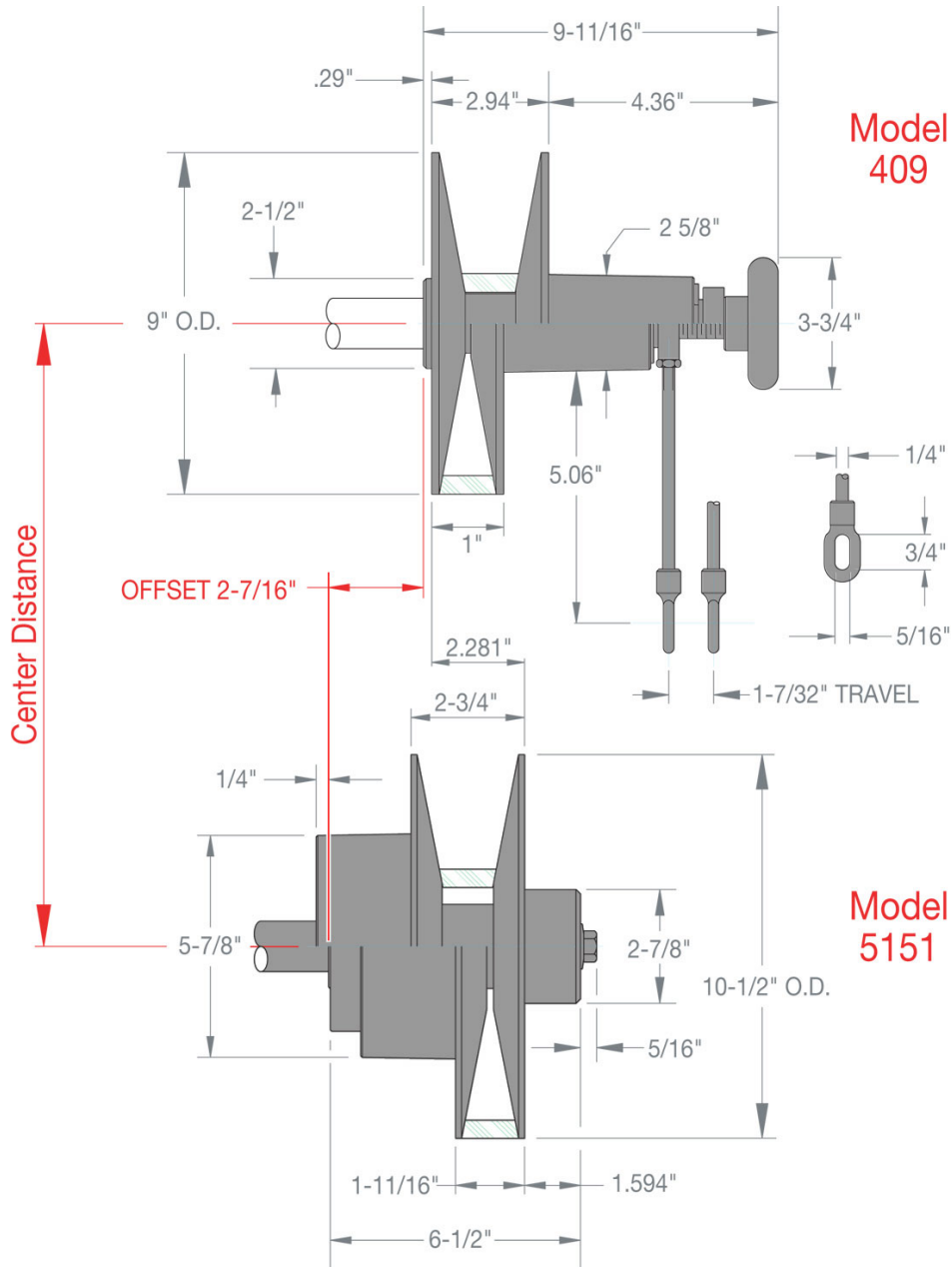


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Drive System Dimensional Data



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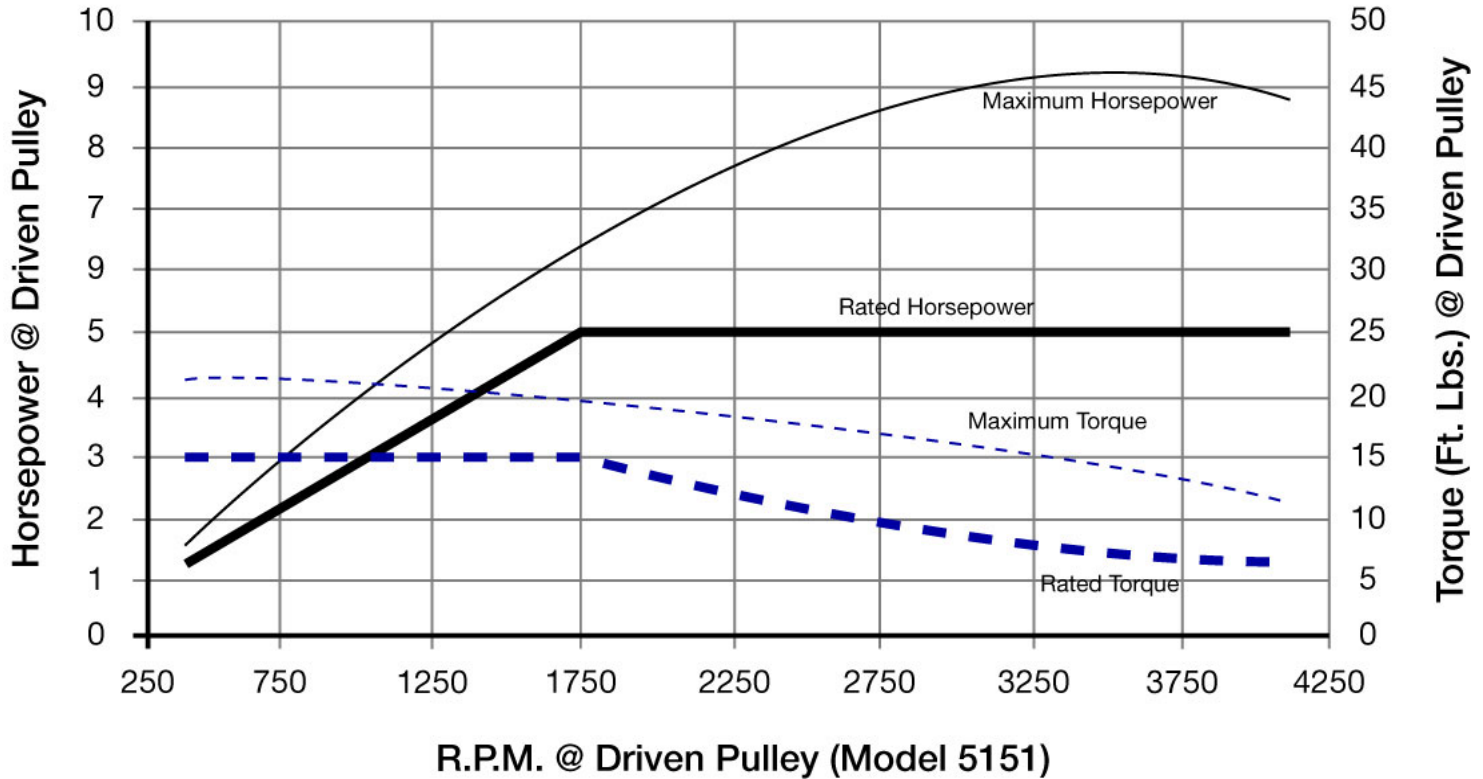
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Power Curves vs Driven Speed

409 Controllable Pulley With 5151 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Series 45 Fixed Center Distance Drive Set 409/5151



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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
2322V421	10.29	432	3259	7.55
2322V434	10.99	432	3293	7.62
2322V441	11.36	432	3309	7.66
2322V461	12.42	432	3350	7.76
2322V481	13.46	432	3385	7.84
2322V521	15.54	432	3440	7.96
2322V541	16.57	432	3462	8.02
2322V601	19.64	432	3515	8.14
2322V621	20.66	432	3529	8.17
2322V661	22.69	432	3553	8.23
2322V681	23.70	432	3563	8.25
2322V701	24.72	432	3573	8.27
2322V721	25.73	432	3582	8.29
2322V801	29.77	432	3611	8.36
2322V826	31.03	432	3619	8.38
2322V846	32.04	432	3625	8.39
2322V886	34.05	432	3635	8.42
2322V921	35.81	432	3643	8.43
2322V1001	39.83	432	3659	8.47
2322V1061	42.84	432	3669	8.49

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Series 45 Fixed Center Distance Drive Set 407/5128

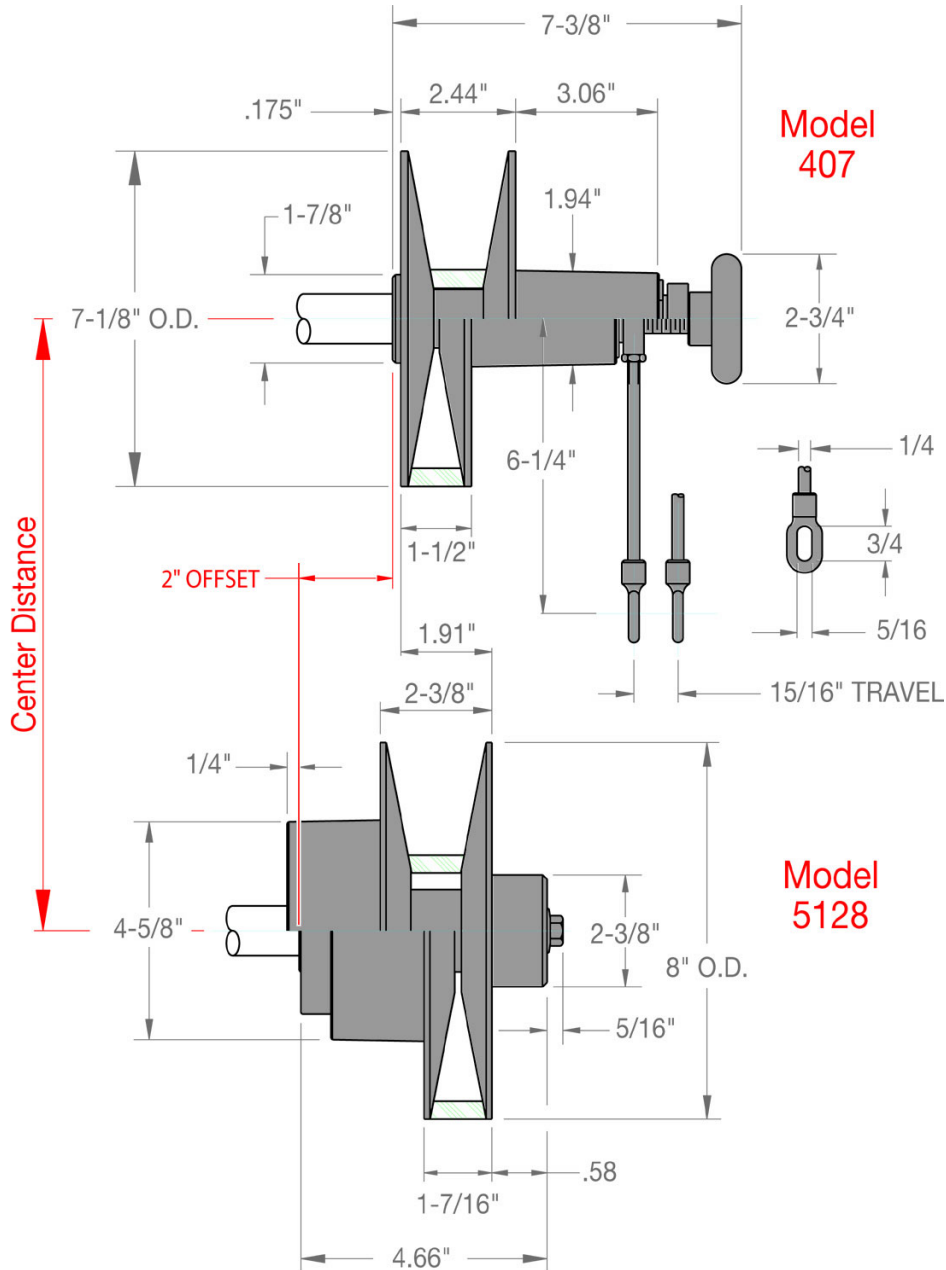


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Drive System Dimensional Data



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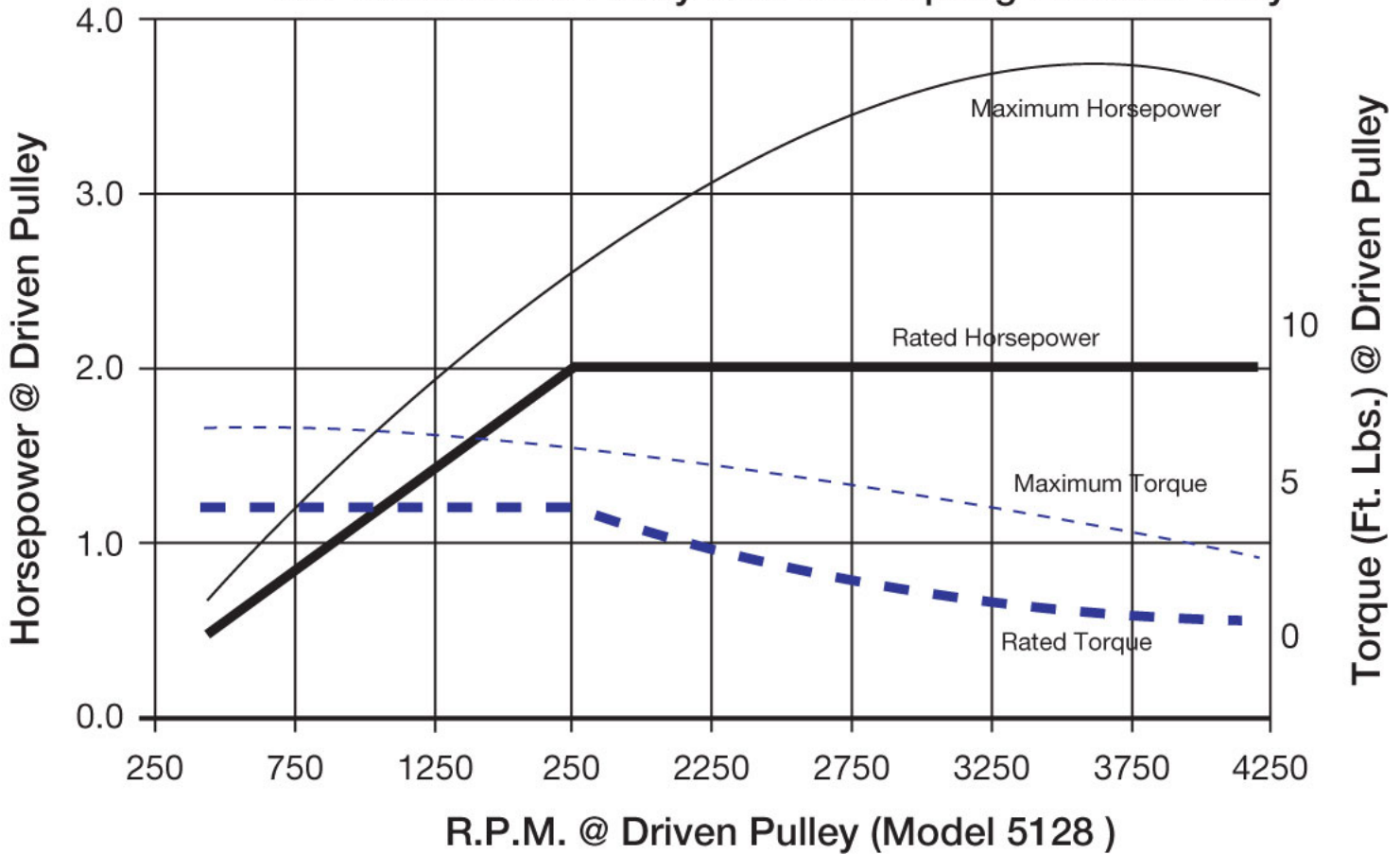
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Power Curves vs Driven Speed

407 Controllable Pulley With 5128 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Series 45 Fixed Center Distance Drive Set 407/5128



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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
1922V321	7.92	423	3795	8.97
1922V332	8.51	423	3836	9.07
1922V338	8.82	423	3855	9.12
1922V363	10.14	423	3924	9.28
1922V381	11.07	423	3963	9.37
1922V386	11.33	423	3972	9.39
1922V403	12.21	423	4002	9.46
1922V417	12.93	423	4023	9.51
1922V426	13.39	423	4035	9.54
1922V443	14.26	423	4056	9.59
1922V454	14.82	423	4069	9.62
1922V460	15.13	423	4075	9.64
1922V484	16.35	423	4098	9.69
1922V526	18.48	423	4130	9.77
1922V544	19.39	423	4142	9.79
1922V604	22.42	423	4145	9.80
1922V630	23.73	423	4145	9.80
1922V646	24.54	423	4145	9.80
1922V666	25.55	423	4145	9.80
1922V686	26.55	423	4145	9.80
1922V706	27.56	423	4145	9.80
1922V721	28.31	423	4145	9.80
1922V726	28.56	423	4145	9.80
1922V751	29.82	423	4145	9.80
1922V756	30.07	423	4145	9.80
1922V806	32.58	423	4145	9.80
1922V846	34.59	423	4145	9.80
1922V891	36.85	423	4145	9.80
1922V966	40.61	423	4145	9.80
1922V1146	49.63	423	4145	9.80

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Series 45 Fixed Center Distance Drive Set 406/5116

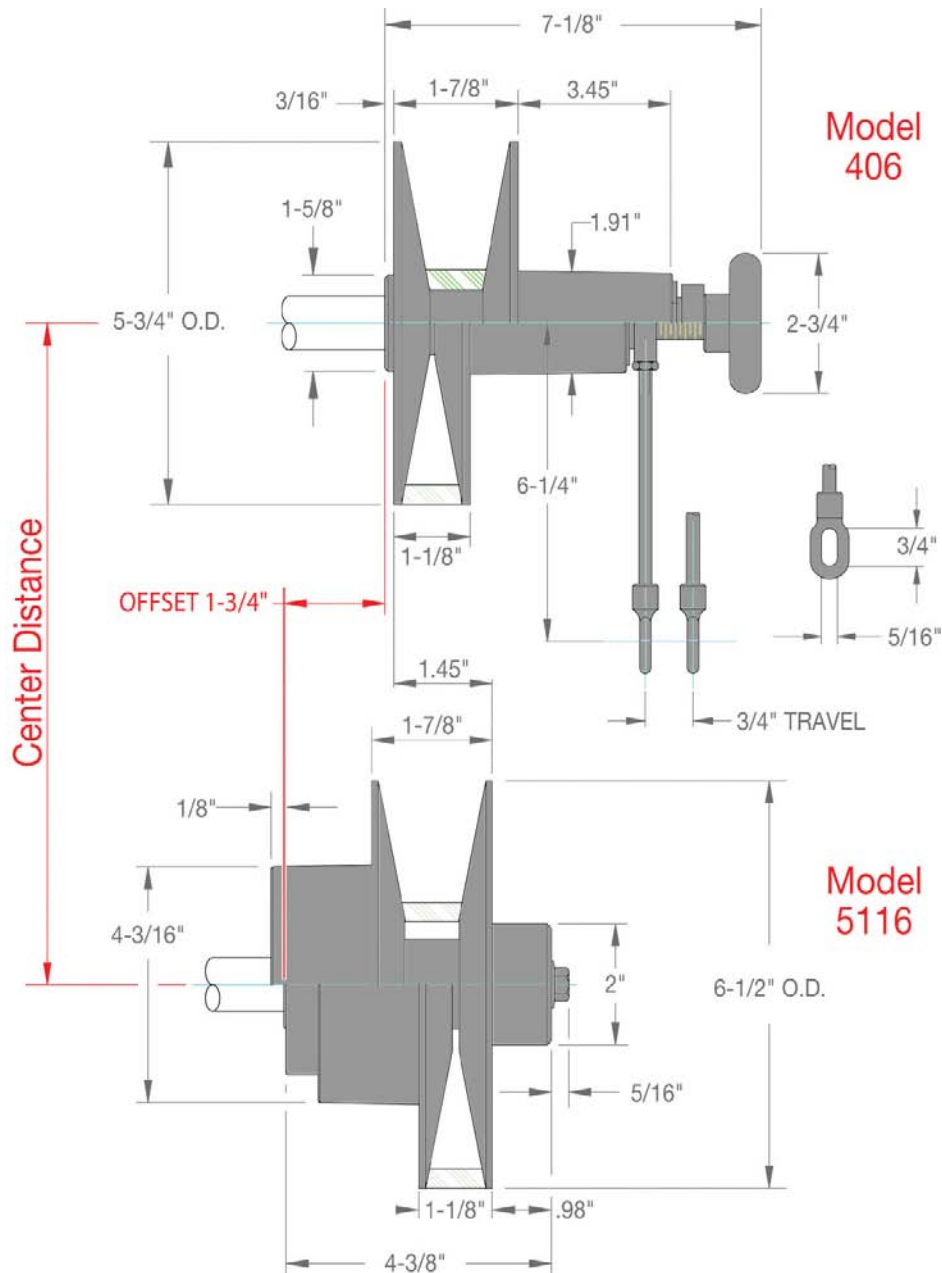


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Drive System Dimensional Data



All belt drives must be adequately guarded for personal safety during operation.

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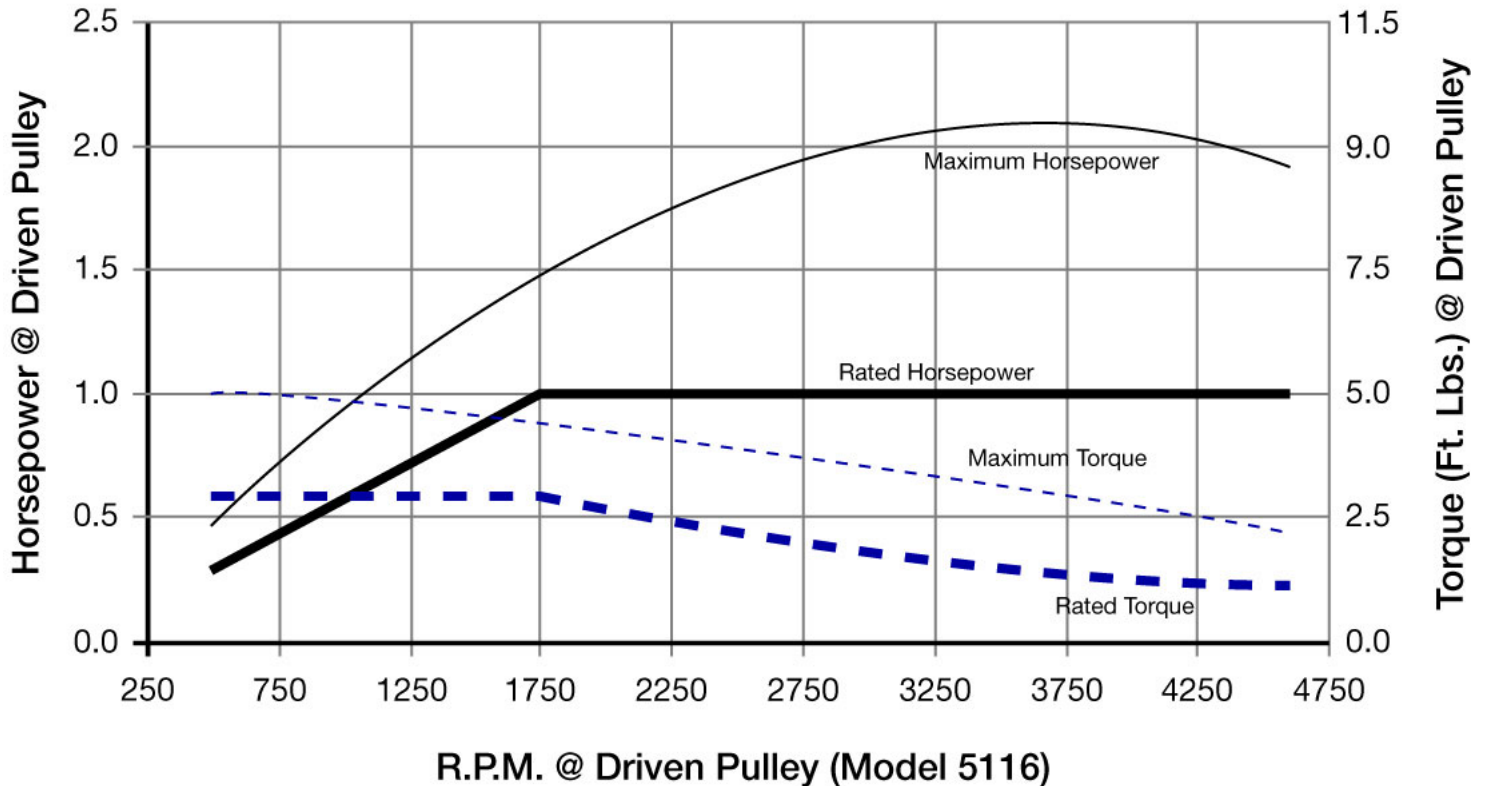
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Power Curves vs Driven Speed

406 Controllable Pulley With 5116 Spring Loaded Pulley



Important Notes:

1. Drive selection should be based upon **RATED** horsepower and torque capacities. Maximum horsepower and torque capacities are theoretical, and are illustrated to show the drives ability to handle an unintended overload.
2. All driven data presented on this page is based upon a 1750 RPM input speed.

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Series 45 Fixed Center Distance Drive Set 406/5116



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Belt Selection Chart

Belt vs. Center Distance		Driven Speed with 1750 RPM Driver		Speed Ratio
Belt	Center Distance	Min RPM	Max RPM	
1422V270	6.79	492	3435	6.99
1422V290	7.84	492	3492	7.10
1422V300	8.36	492	3515	7.15
1422V330	9.91	492	3569	7.26
1422V340	10.42	492	3583	7.29
1422V360	11.44	492	3608	7.34
1422V400	13.47	492	3646	7.42
1422V420	14.49	492	3661	7.45
1422V440	15.50	492	3673	7.47
1422V460	16.51	492	3685	7.49
1422V466	16.81	492	3688	7.50
1422V470	17.01	492	3690	7.50
1422V480	17.52	492	3694	7.51
1422V540	20.54	492	3718	7.56
1422V600	23.56	492	3736	7.60
1422V660	26.57	492	3749	7.63
1422V720	29.58	492	3760	7.65
1422V780	32.59	492	3769	7.66

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