

Dual Synchro-Cog® Timing Belt

Synchronous Drive Belt



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Recommended Sprockets:
Timing Pulleys – MPB, QD, Taper Bushed (XL, L, H)

Double-sided
trapezoidal tooth profile

100% load capacity from
both sides of the belt

Greater flexibility in
drive design

Optimum drive
efficiency

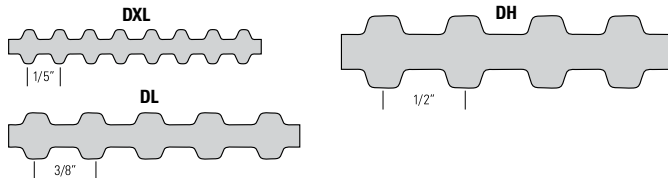
Maintenance-free,
clean and quiet

Applications:

Machine tools
Packaging equipment
Industrial Machinery
& More

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Double-sided timing belt with a trapezoidal tooth profile provides synchronization and 100% load capacity from both sides of the belt

Trapezoidal tooth profile provides maintenance-free synchronization with equal load capacity from both sides of the belt. This feature is not found in every dual-sided belt on the market.

The Synchro-Cog Dual Timing Belt allows greater flexibility and efficiency in drive design. The freedom to use a single belt for a series of pulleys results in a more efficient use of available space with decreased overall drive weight and cost. The non-slip positive drive provides smooth, clean, quiet performance with optimum efficiency.

The belt features an advanced polymer construction with molded teeth that are sheer resistant and designed to assure smooth, positive meshing with the sprocket. A tough nylon tooth facing is wear resistant. High quality fiberglass cords are specially treated to provide strength, flex life and resistance to stretching. The belt resists oil, heat, ozone, grease, and moisture for maximum belt life.

Part Number Example: **D-770-XL-025 =**

D - **770** - **XL** - **025**
 Dual Sided Pitch Length (in Tenths of an Inch) Tooth Pitch 1/4-Inch Belt Width

Dual Synchro-Cog® Timing Belt Part Numbers

Part Number	Number of Teeth	Pitch Length (in)	Weight (lbs)
Dual Sided XL (1/5" pitch)			
Recommended Pulleys: – MPB, QD, Taper Bushed (XL)			
D130XL037	65	13.0	0.02
D170XL037	85	17.0	0.02
D180XL025	90	18.0	0.03
D210XL037	105	21.0	0.03
D260XL037	130	26.0	0.04
D280XL037	140	28.0	1.65
D380XL037	190	38.0	0.19
Dual Sided L (3/8" pitch)			
Recommended Pulleys: – MPB, QD, Taper Bushed (L)			
D150L050	40	15.0	0.04
D187L050	50	18.8	0.56
D210L050	56	21.0	0.05
D225L050	60	22.5	0.05
D240L050	64	24.0	0.06
D240L100	64	24.0	0.11
D270L050	72	27.0	0.06
D270L100	72	27.0	0.11
D322L050	86	32.2	0.69
D322L100	86	32.2	0.23
D345L100	92	34.5	0.16
D390L050	104	39.0	0.15
D390L075	104	39.0	0.26
D420L050	112	42.0	0.10
D420L100	112	42.0	0.19
D450L050	120	45.0	0.10
D450L100	120	45.0	0.21
D480L050	128	48.0	0.11
D480L100	128	48.0	0.22
D510L050	136	51.0	0.12
D510L075	136	51.0	0.02

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Part Number	Number of Teeth	Pitch Length (in)	Weight (lbs)
Dual Sided L (3/8" pitch)			
Recommended Pulleys: – MPB, QD, Taper Bushed (L)			
D510L100	136	51.0	0.24
D540L050	144	54.0	0.13
D540L100	144	54.0	0.25
D600L050	160	60.0	0.14
D600L075	160	60.0	0.21
D600L100	160	60.0	0.28
Dual Sided H (1/2" pitch)			
Recommended Pulleys: – MPB, QD, Taper Bushed (H)			
D240H150	48	24.0	0.80
D270H100	54	27.0	0.20
D270H200	54	27.0	0.39
D390H100	78	39.0	0.28
D420H100	84	42.0	0.30
D450H075	90	45.0	0.24
D450H100	90	45.0	0.33
D450H300	90	45.0	2.54
D480H075	96	48.0	0.03
D480H100	96	48.0	0.35
D480H150	96	48.0	0.52
D480H200	96	48.0	3.05
D480H300	96	48.0	0.33
D510H100	102	51.0	0.37
D510H150	102	51.0	0.55
D510H300	102	51.0	2.72
D540H100	108	54.0	0.39
D540H150	108	54.0	0.58
D540H300	108	54.0	2.46
D570H075	114	57.0	0.03
D570H100	114	57.0	0.41
D570H150	114	57.0	0.62
D600H100	120	60.0	0.43
D600H150	120	60.0	0.65
D600H200	120	60.0	0.87
D600H300	120	60.0	1.30

Part Number	Number of Teeth	Pitch Length (in)	Weight (lbs)
Dual Sided H (1/2" pitch)			
Recommended Pulleys: – MPB, QD, Taper Bushed (H)			
D630H100	126	63.0	0.45
D630H150	126	63.0	0.68
D660H075	132	66.0	0.69
D660H100	132	66.0	0.48
D660H200	132	66.0	0.95
D660H300	132	66.0	1.43
D700H100	140	70.0	0.51
D700H150	140	70.0	0.70
D700H200	140	70.0	0.85
D700H300	140	70.0	0.62
D750H100	150	75.0	0.54
D750H150	150	75.0	0.77
D750H200	150	75.0	1.08
D750H300	150	75.0	1.12
D800H075	160	80.0	0.04
D800H100	160	80.0	0.78
D800H150	160	80.0	0.80
D800H200	160	80.0	1.15
D800H300	160	80.0	0.45
D850H075	170	85.0	0.67
D850H100	170	85.0	0.61
D850H200	170	85.0	1.23
D850H300	170	85.0	1.13
D900H100	180	90.0	0.65
D900H150	180	90.0	0.82
D900H200	180	90.0	0.13
D900H300	180	90.0	0.70
D1000H100	200	100.0	0.66
D1000H200	200	100.0	1.44
D1000H300	200	100.0	0.81
D1100H100	220	110.0	0.79
D1100H150	220	110.0	0.98
D1100H200	220	110.0	1.59
D1100H300	220	110.0	0.47

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Dual Synchro-Cog® Timing Belt Part Numbers

Part Number	Number of Teeth	Pitch Length (in)	Weight (lbs)
Dual Sided H (1/2" pitch) Recommended Pulleys: – MPB, OD, Taper Bushed (H)			
D1250H100	250	125.0	0.90
D1250H200	250	125.0	0.18
D1250H300	250	125.0	2.71
D1400H100	280	140.0	1.01
D1400H150	280	140.0	1.51
D1400H200	280	140.0	2.02
D1400H300	280	140.0	3.03
D1700H100	340	170.0	1.23
D1700H200	340	170.0	2.45



Dual Synchro-Cog® Timing Belts

Sleeves

- Full factory width sleeves
- Sleeve edges are trimmed before shipment
- Sleeves cannot be accepted for return

Timken Belts maintains inventory of most sleeve sizes. Contact customer service for availability. Minimum order quantity and/or extended lead times may apply.

Occasional production inconsistencies which may render a portion of the sleeve unusable can be present as a normal part of the production process.

Each sleeve is inspected to ensure that it contains 90% or more usable product. A full width sleeve with less than 10% unusable product is considered acceptable.

Dual Synchro-Cog® Timing Belt Sleeve Part Numbers

Part Number	Sleeve Width (in)	Weight (lbs)
Dual Sided XL (1/5" pitch)		
Recommended Pulleys: – MPB, QD, Taper Bushed (XL)		
D200XL180SL	180	0.6
D210XL180SL	180	0.5
D220XL180SL	180	0.7
D230XL180SL	180	0.6
D234XL180SL	180	0.7
D234XL200SL	200	0.6
D240XL180SL	180	0.6
D250XL180SL	180	0.6
D260XL180SL	180	0.6
D260XL600SL	600	0.4
D270XL180SL	180	0.7
D280XL180SL	180	0.7
D290XL180SL	180	0.9
D300XL180SL	180	0.7
D310XL180SL	180	1.0
D320XL180SL	180	0.8
D330XL180SL	180	1.0
D340XL180SL	180	0.8
D352XL180SL	180	0.9
D356XL180SL	180	0.2
D360XL180SL	180	1.1
D380XL180SL	180	0.9
D384XL180SL	180	1.2
D492XL180SL	180	1.5
D514XL180SL	180	1.6
D580XL180SL	180	1.8
Dual Sided L (3/8" pitch)		
Recommended Pulleys: – MPB, QD, Taper Bushed (L)		
D180L200SL	200	0.7
D187L180SL	180	0.8
D187L200SL	200	0.7
D195L200SL	200	0.7
D210L200SL	200	0.8
D217L200SL	200	0.8

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Sleeves

Dual Synchro-Cog® Timing Belt Sleeve Part Numbers

Part Number	Sleeve Width (in)	Weight (lbs)
Dual Sided L (3/8" pitch) Recommended Pulleys: – MPB, QD, Taper Bushed (L)		
D225L180SL	180	1.0
D240L180SL	180	1.1
D240L200SL	200	0.9
D244L200SL	200	0.9
D255L180SL	180	1.1
D255L200SL	200	0.9
D277L200SL	200	1.2
D281L200SL	200	1.2
D285L180SL	180	1.3
D285L200SL	200	1.0
D300L200SL	200	1.1
D315L180SL	180	1.0
D315L200SL	200	0.5
D322L200SL	200	4.6
D334L200SL	200	0.3
D337L200SL	200	0.3
D345L180SL	180	1.5
D345L200SL	200	1.3
D352L200SL	200	12.8
D367L200SL	200	1.6
D375L180SL	180	1.2
D375L200SL	200	1.4
D390L180SL	180	1.3
D390L200SL	200	1.9
D405L180SL	180	1.3
D420L200SL	200	3.9
D427L200SL	200	1.6
D435L180SL	180	1.4
D435L200SL	200	0.4
D450L200SL	200	1.6
D453L200SL	200	16.4
D465L200SL	200	1.7
D480L200SL	200	1.7
D500L200SL	200	0.5

Part Number	Sleeve Width (in)	Weight (lbs)
Dual Sided L (3/8" pitch) Recommended Pulleys: – MPB, QD, Taper Bushed (L)		
D510L200SL	200	1.9
D525L200SL	200	4.8
D540L200SL	200	0.5
D581L200SL	200	2.1
D585L200SL	200	0.5
D600L200SL	200	2.2
D619L180SL	180	0.6
D619L200SL	200	2.2
D630L200SL	200	2.3
D660L200SL	200	2.4
D697L200SL	200	0.6
D915L200SL	200	0.8
Dual Sided H (1/2" pitch) Recommended Pulleys: – MPB, QD, Taper Bushed (H)		
D205H200SL	200	1.3
D225H200SL	200	1.3
D240H200SL	200	1.5
D240H600SL	600	1.2
D245H200SL	200	3.5
D270H200SL	200	1.7
D280H200SL	200	1.6
D300H200SL	200	1.9
D310H200SL	200	1.8
D315H200SL	200	2.0
D320H200SL	200	2.0
D340H200SL	200	1.9
D350H200SL	200	2.0
D360H200SL	200	2.3
D370H200SL	200	0.5
D380H200SL	200	2.4
D390H200SL	200	2.5
D400H200SL	200	2.5
D410H200SL	200	2.6
D420H200SL	200	2.7

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Sleeves

Part Number	Sleeve Width (in)	Weight (lbs)
Dual Sided H (1/2" pitch) Recommended Pulleys: – MPB, OD, Taper Bushed (H)		
D425H200SL	200	2.7
D445H200SL	200	2.8
D450H200SL	200	2.9
D460H200SL	200	2.9
D465H200SL	200	2.6
D470H200SL	200	0.7
D480H200SL	200	2.7
D490H200SL	200	3.1
D500H200SL	200	3.2
D530H200SL	200	3.0
D540H200SL	200	3.1
D550H200SL	200	3.1
D560H200SL	200	3.2
D570H200SL	200	3.6
D580H200SL	200	3.3
D590H200SL	200	3.4
D600H200SL	200	3.8
D605H200SL	200	3.4
D625H200SL	200	4.0
D630H200SL	200	4.0
D630H600SL	600	0.6
D640H200SL	200	3.6
D650H200SL	200	4.1
D660H200SL	200	3.7
D670H200SL	200	3.8
D680H200SL	200	3.9
D690H200SL	200	4.4
D700H200SL	200	4.5
D720H200SL	200	4.6
D725H200SL	200	4.1
D730H200SL	200	4.1
D740H200SL	200	1.1
D750H200SL	200	4.8
D770H200SL	200	4.9

Part Number	Sleeve Width (in)	Weight (lbs)
Dual Sided H (1/2" pitch) Recommended Pulleys: – MPB, OD, Taper Bushed (H)		
D780H200SL	200	4.4
D800H200SL	200	4.5
D820H200SL	200	4.7
D840H200SL	200	7.7
D850H200SL	200	4.8
D860H200SL	200	4.9
D880H200SL	200	1.3
D900H200SL	200	5.7
D920H200SL	200	1.3
D950H200SL	200	6.0
D1000H200SL	200	6.4
D1020H200SL	200	9.2
D1030H200SL	200	5.9
D1050H200SL	200	6.0
D1100H200SL	200	6.2
D1140H200SL	200	6.5
D1150H200SL	200	7.3
D1250H200SL	200	7.1
D1270H200SL	200	7.2
D1350H200SL	200	7.7
D1400H200SL	200	8.0
D1500H200SL	200	9.5
D1560H200SL	200	8.9
D1600H200SL	200	10.2
D1700H200SL	200	9.7