

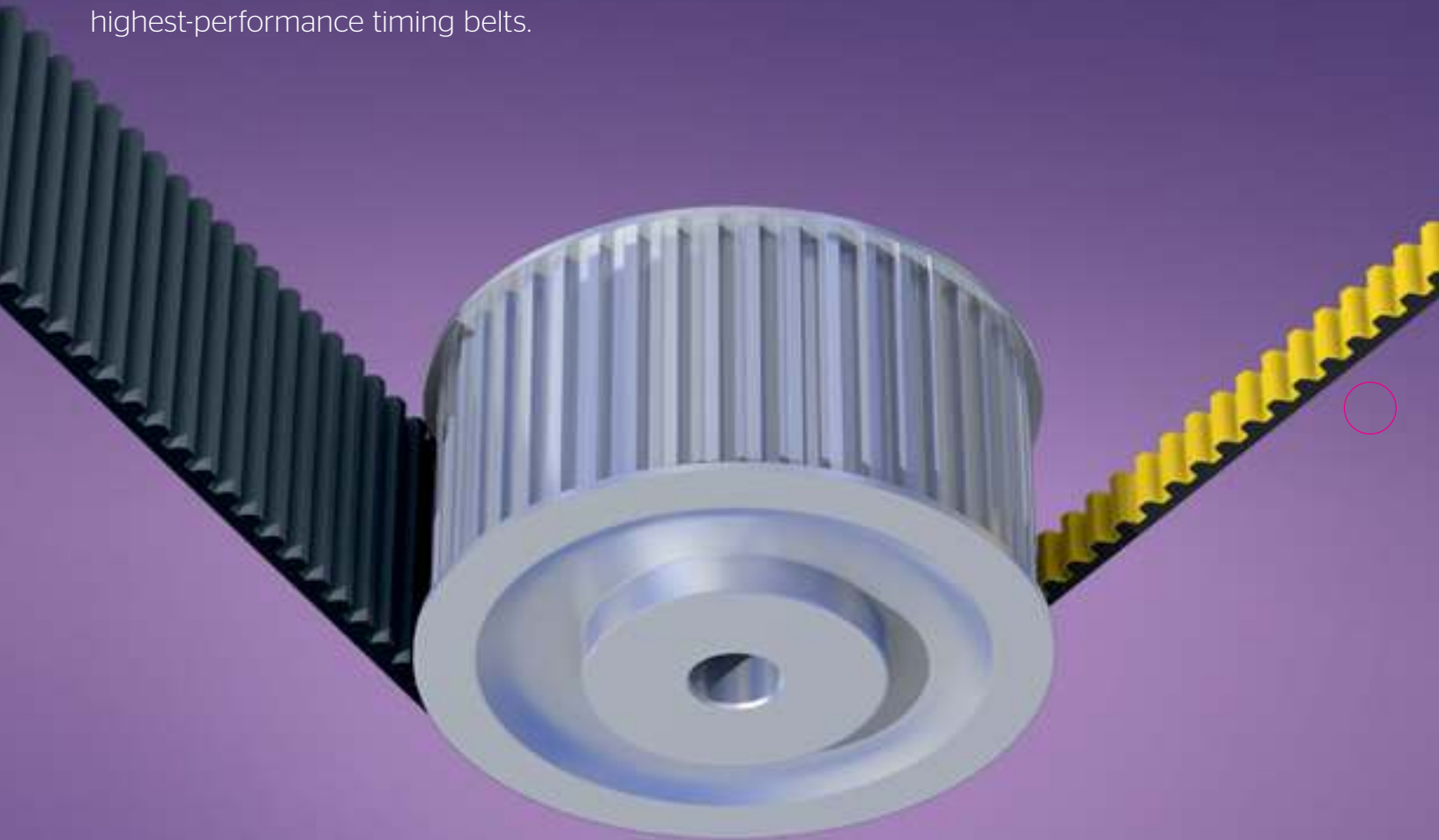


# CONTI® SYNCHROCHAIN CARBON

# CONTI® SYNCHROCHAIN CARBON

## Developed for maximum loads.

Carbon makes the difference! Higher power capacity, longer service lives and hardly any initial tension loss. With a newly developed carbon tension member at its heart, Conti® Synchrochain Carbon is launching itself into the leading position among the world's highest-performance timing belts.



### The ideal diet for your drive

Cutting down in all the right places. Conti® Synchrochain Carbon's strength gives the flexibility to design drives using narrower belts. Reduced space requirements – and yet the same power output!

The ContiTech Power Transmission Group is a developer, manufacturer and supplier of power transmission belts, components and complete belt drive systems. The company is once again demonstrating its market- and customer-focused expertise, this time with the new Conti® Synchrochain Carbon. The new polyurethane heavy-duty timing belt with a carbon tension member offers several advantages over other timing belts.

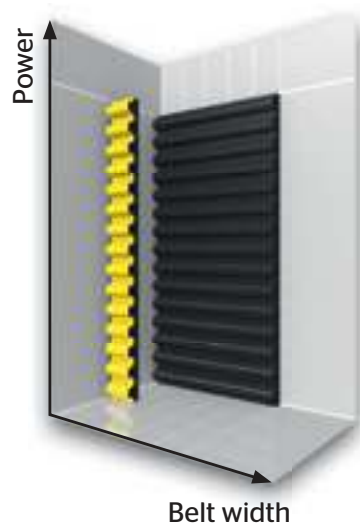
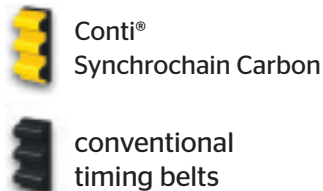


Conti® Synchrochain Carbon can transmit up to 5 times more power than conventional timing belts with the same overall width. **Belt width can be reduced by up to 80%.** This means overall system costs can be reduced by using Conti® Synchrochain Carbon.

Conti® Synchrochain Carbon is extremely wear-resistant, abrasion-resistant and maintenance-free. Service life is increased by up to 100% compared with competitive heavy-duty timing belts.

The great stiffness of the cord in Conti® Synchrochain Carbon means **initial tension loss is cut almost to zero.** Over the lifetime of the belt, this represents a further enhancement in drive efficiency.

Elongation of the high-tensile carbon tension member is 50% lower compared with aramid. This makes Conti® Synchrochain Carbon suitable for maximum torque and offers longitudinally stable operation over its entire lifetime.



# Conti® Synchrochain Carbon

## Intelligent Design for Maximum Output.

Light but durable polyurethane for teeth and backing. High-tensile and, at the same time, longitudinally stable carbon for the tension member. Plus a specially coated, wear-resistant face fabric. The intelligent design, in combination with especially high-quality materials, is a defining feature of Conti® Synchrochain Carbon. It ensures clean, smooth and particularly reliable power transmission both at high torques or dynamic loads.

### Conti® Synchrochain Carbon is constructed in the following way:

Polyurethane teeth

Specially treated fabric

Carbon tension member

Polyurethane backing

#### Properties:

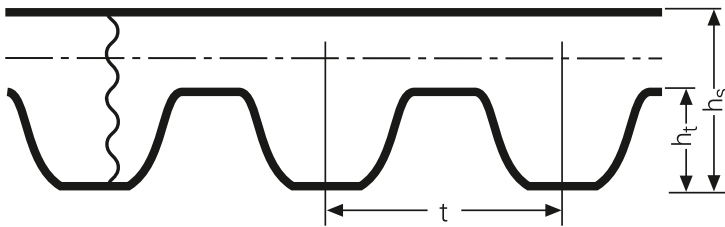
- › Temperature range, depending on application, from -67°F to +176°F (-55°C to +80°C). For temperatures lower than -40°F, please contact ContiTech)
- › Suitable for tropical climates
- › Resistant to aging and ozone
- › Withstands reverse flexing
- › Resistant to oils, grease and fuel
- › Conditionally resistant to acid and lye
- › Raw materials and production are silicone-free
- › Maintenance-free
- › Belt speeds up to 7800 f/m
- › Increased power output
- › Longitudinally stable throughout its lifetime



**Profile**

The newly developed CTD profile (CTD: Conti Torque Drive) is the symbiosis of the HTD and the STD profile and combines the advantages of both in a single profile. The arch-shaped pulley-entry geometry, on the one hand, and the higher tooth, on the other, provide harmonic tooth meshing and therefore ultra smooth running. At the same time, it provides excellent protection against belt slip at high torque.

	CTD C8M	CTD C14M
<b>Millimeters</b>		
<b>Tooth Pitch (t)</b>	8.0	14.0
<b>Belt Thickness (h<sub>b</sub>)</b>	5.6	10.0
<b>Tooth height (h<sub>t</sub>)</b>	360	410



**Inside tensioning pulleys**

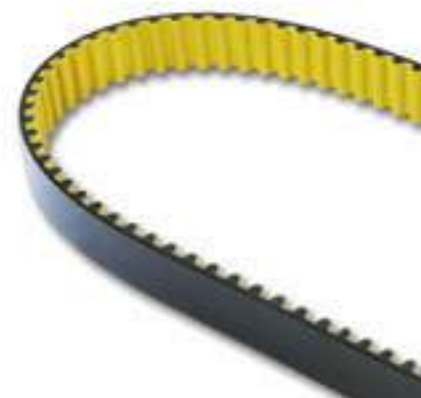
Inside tensioning pulleys are to be preferred to outside tensioning pulleys as they do not cause any unfavorable alternate bending. The inside tensioning pulley is invariably toothed and is to be positioned on the slack side as close as possible to the large pulley, so as not to unnecessarily reduce the arc of contact on the small pulley. The number of teeth of an inside tensioning pulley should at least equal the smallest possible section-related number of teeth. Plain inside tensioning pulleys may be used when the outside diameter < 2.5 - 3.0 times larger than the smallest permissible number of teeth of the selected section.

**Outside tensioning pulley**

Outside tensioning pulleys cause the drive belt to counterflex with an increase in the number of meshing teeth. The diameter of plain outside tensioning pulleys should be at least 1.5 times the diameter of the smallest pulley. Outside tensioning pulleys should in principle be positioned close to the small pulley.

Conti® Synchrochain Carbon

	CTD C8M	CTD C14M
<b>Millimeters</b>		
<b>Min. number of teeth (z<sub>min</sub>)</b>	22	28
<b>min pitch diameter of the small toothed pulley d<sub>w</sub> [mm]</b>	56.02	124.78



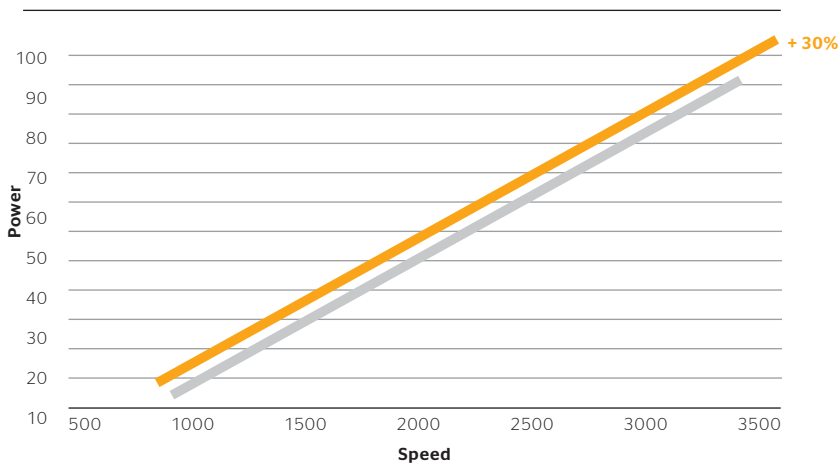
# Conti® Synchrochain vs. Conti® Synchrochain Carbon

The Conti® Synchrochain Carbon delivers up to 30 % higher power output than its predecessor. It therefore opens up entirely new options to both designers and users. Its strength can be used in every mechanical and plant engineering field. This applies equally to original equipment for drives and the aftermarket.

## Up to 30% Higher Power Outputs for Belts with a Carbon Tension Member.

### Power Comparison

Conti® Synchrochain vs. Conti® Synchrochain Carbon Ctd 14m - 10mm



■ Synchrochain Carbon  
■ Synchrochain Aramid

### Properties:

- › Energy recovery systems
- › Agricultural machines
- › Woodworking machinery
- › Printing machines
- › Packaging machines
- › Textile machines
- › Machine tools
- › Go-karts
- › Two-wheelers



# Conti® Synchrochain Carbon

CTD C8M Standard Width: 12 mm / 21 mm / 36 mm / 62 mm (other widths on request)

<b>Length</b>	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440	1600
<b>Number of Teeth</b>	80	90	100	112	115	120	125	130	140	150	153	160	180	200
<b>Length</b>	1760	1792	2000	2200	2240	2400	2520	2600	2800	2840	3200	3600	4000	
<b>Number of Teeth</b>	220	224	250	275	280	300	315	325	350	355	400	450	500	

CTD C14M Standard Width: 20 mm / 37 mm / 68 mm / 90 mm / 125 mm (other widths on request)

<b>Length</b>	994	1120	1190	1260	1302	1344	1400	1568	1610	1750	1890	1960	2100	2100
<b>Number of Teeth</b>	71	80	85	90	93	96	100	112	115	125	135	140	150	150
<b>Length</b>	2240	2310	2380	2450	2520	2590	2660	2800	3136	3304	3360	3500	3850	3850
<b>Number of Teeth</b>	160	165	170	175	180	185	190	200	224	236	240	250	275	275
<b>Length</b>	3920	4326	4410	4956	5502									
<b>Number of Teeth</b>	280	309	315	354	393									

Allowable working tension for dynamic applications

Conti® Synchrochain Carbon			
CTD C8M		CTD C14M	
Width [mm]	Force [lbs]	Width [mm]	Force [lbs]
12	528	37	2191
21	932	68	4069
36	1607	90	5507
62	2776	125	7553

Allowable working tension for quasi-static\*\* applications where n<100 rpm

Conti® Synchrochain Carbon			
CTD C8M		CTD C14M	
Width [mm]	Force [lbs]	Width [mm]	Force [lbs]
12	696	37	2967
21	1225	68	4934
36	2101	90	7137
62	3619	125	9891

\*\*A quasi-static application is defined as one where the drive speed is less than 100 rpm. In such cases the belt load can be up to 30% higher. In such cases, please contact our technical staff.



# CTD C8M

## Power Ratings

The power ratings for Conti® Synchrochain Carbon Heavy-Duty Timing belts with CTD profiles are shown in the following tables. The transmittable power depends on the rotational speed and the diameter or the number of teeth of the small sprocket.

### Conti® Synchrochain Carbon

#### Power Rating in Horsepower (HP) - Toothed profile: CTD C8M 10 mm belt width

To estimate HP: Multiply the value in the table for a given sprocket size and RPM by the Width Factor and the Length Factor below

		Number of teeth of the small sprocket															
		22	24	26	28	30	32	34	36	38	40	44	48	52	56	64	72
		Pitch diameter of sprocket (mm)															
		56.02	61.12	66.12	71.30	76.39	81.49	86.58	91.77	96.77	101.86	112.05	122.23	132.42	142.6	162.97	183.35
RPM of small sprocket	10	0.08	0.09	0.11	0.12	0.13	0.13	0.15	0.16	0.17	0.19	0.21	0.23	0.25	0.28	0.34	0.39
	20	0.16	0.19	0.20	0.21	0.24	0.25	0.28	0.31	0.32	0.35	0.39	0.44	0.48	0.54	0.63	0.72
	40	0.31	0.34	0.38	0.42	0.46	0.48	0.52	0.56	0.60	0.64	0.74	0.82	0.90	0.99	1.18	1.37
	100	0.70	0.78	0.86	0.95	1.03	1.13	1.21	1.30	1.39	1.49	1.68	1.88	2.06	2.28	2.69	3.12
	200	1.30	1.46	1.61	1.77	1.93	2.09	2.27	2.43	2.60	2.77	3.14	3.50	3.87	4.26	5.04	5.86
	300	1.88	2.10	2.32	2.55	2.79	3.02	3.26	3.51	3.75	4.01	4.52	5.05	5.59	6.14	7.28	8.45
	400	2.44	2.72	3.02	3.31	3.61	3.91	4.24	4.54	4.88	5.20	5.87	6.55	7.25	7.96	9.44	10.95
	500	2.99	3.32	3.69	4.05	4.42	4.80	5.17	5.56	5.97	6.37	7.18	8.02	8.87	9.75	11.54	13.39
	600	3.51	3.93	4.34	4.77	5.21	5.66	6.11	6.57	7.02	7.51	8.46	9.45	10.46	11.49	13.61	15.79
	700	4.05	4.52	5.00	5.48	5.99	6.50	7.02	7.55	8.08	8.62	9.73	10.86	12.02	13.20	15.64	18.16
	800	4.56	5.09	5.64	6.19	6.76	7.33	7.92	8.51	9.12	9.73	10.98	12.25	13.57	14.91	17.65	20.48
	1000	5.58	6.23	6.90	7.57	8.27	8.97	9.69	10.42	11.15	11.90	13.43	15.00	16.60	18.23	21.60	25.07
	1200	6.58	7.35	8.14	8.93	9.75	10.58	11.42	12.28	13.15	14.03	15.84	17.68	19.57	21.50	25.46	29.56
	1450	7.82	8.73	9.65	10.60	11.57	12.56	13.55	14.57	15.60	16.66	18.79	20.98	23.22	25.51	30.21	35.07
	1600	8.54	9.53	10.55	11.58	12.64	13.73	14.81	15.92	17.06	18.20	20.54	22.94	25.39	27.88	33.03	38.34
	1800	9.49	10.60	11.73	12.90	14.06	15.27	16.49	17.72	18.98	20.25	22.86	25.51	28.23	31.02	36.73	42.64
	2000	10.44	11.66	12.91	14.18	15.47	16.80	18.12	19.49	20.87	22.28	25.13	28.06	31.06	34.12	40.40	46.90
	2400	12.32	13.75	15.21	16.72	18.24	19.80	21.38	22.99	24.61	26.26	29.64	33.10	36.62	40.23	47.64	55.31
	3000	15.07	16.82	18.62	20.46	22.32	24.22	26.15	28.12	30.11	32.13	36.26	40.48	44.81	49.22	58.28	67.67
	3500	17.32	19.34	21.41	23.51	25.66	27.84	30.07	32.32	34.61	36.94	41.68	46.54	51.50	56.58	67.00	
4000	19.54	21.82	24.16	26.53	28.95	31.42	33.93	36.47	39.06	41.68	47.02	52.51	58.11	63.83			
4500	21.74	24.28	26.86	29.50	32.20	34.95	37.73	40.56	43.45	46.37	52.31	58.40	64.64				
5000	23.91	26.70	29.54	32.45	35.42	38.43	41.50	44.62	47.79	50.99	57.53	64.25					
5500	26.06	29.10	32.20	35.38	38.61	41.89	45.24	48.63	52.09	55.58	62.72	70.03					

Belt Width (mm)	12				21				36				62			
Width factor	1.2				2.1				3.6				6.2			
Length	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440	1600	1760	1792
Length factor	0.78	0.82	0.86	0.90	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.08	1.12	1.16	1.17
	2000	2200	2240	2400	2520	2600	2800	2840	3048	3200	3280	3600	4000	4400	4480	
	1.21	1.24	1.25	1.28	1.30	1.31	1.34	1.34	1.37	1.39	1.40	1.43	1.47	1.51	1.51	

\*\*A quasi-static application is defined as one where the drive speed is less than 100 rpm. In such cases the belt load can be up to 30% higher. In such cases, please contact our technical staff.



# Conti® Synchrochain Carbon

## Power Rating in kilowatts (kW) – Toothed profile: CTD C8M 10 mm belt width

To estimate kW: Multiply the value in the table for a given sprocket size and RPM by the Width Factor and the Length Factor below

	Number of teeth of the small sprocket															
	22	24	26	28	30	32	34	36	38	40	44	48	52	56	64	72
	Pitch diameter of toothed sprocket (mm)															
	56.02	61.12	66.12	71.30	76.39	81.49	86.58	91.77	96.77	101.86	112.05	122.23	132.42	142.6	162.97	183.35
10	0.06	0.07	0.08	0.09	0.1	0.1	0.11	0.12	0.13	0.14	0.16	0.17	0.19	0.21	0.25	0.29
20	0.12	0.14	0.15	0.16	0.18	0.19	0.21	0.23	0.24	0.26	0.29	0.33	0.36	0.4	0.47	0.54
40	0.23	0.25	0.28	0.31	0.34	0.36	0.39	0.42	0.45	0.48	0.55	0.61	0.67	0.74	0.88	1.02
100	0.52	0.58	0.64	0.71	0.77	0.84	0.9	0.97	1.04	1.11	1.25	1.4	1.54	1.7	2.01	2.33
200	0.97	1.09	1.2	1.32	1.44	1.56	1.69	1.81	1.94	2.07	2.34	2.61	2.89	3.18	3.76	4.37
300	1.4	1.57	1.73	1.9	2.08	2.25	2.43	2.62	2.8	2.99	3.37	3.77	4.17	4.58	5.43	6.3
400	1.82	2.03	2.25	2.47	2.69	2.92	3.16	3.39	3.64	3.88	4.38	4.89	5.41	5.94	7.04	8.17
500	2.23	2.48	2.75	3.02	3.3	3.58	3.86	4.15	4.45	4.75	5.36	5.98	6.62	7.27	8.61	9.99
600	2.62	2.93	3.24	3.56	3.89	4.22	4.56	4.9	5.24	5.6	6.31	7.05	7.8	8.57	10.15	11.78
700	3.02	3.37	3.73	4.09	4.47	4.85	5.24	5.63	6.03	6.43	7.26	8.1	8.97	9.85	11.67	13.55
800	3.4	3.8	4.21	4.62	5.04	5.47	5.91	6.35	6.8	7.26	8.19	9.14	10.12	11.12	13.17	15.28
1000	4.16	4.65	5.15	5.65	6.17	6.69	7.23	7.77	8.32	8.88	10.02	11.19	12.38	13.6	16.11	18.7
1200	4.91	5.48	6.07	6.66	7.27	7.89	8.52	9.16	9.81	10.47	11.82	13.19	14.6	16.04	18.99	22.05
1450	5.83	6.51	7.2	7.91	8.63	9.37	10.11	10.87	11.64	12.43	14.02	15.65	17.32	19.03	22.54	26.16
1600	6.37	7.11	7.87	8.64	9.43	10.24	11.05	11.88	12.73	13.58	15.32	17.11	18.94	20.8	24.64	28.6
1800	7.08	7.91	8.75	9.62	10.49	11.39	12.3	13.22	14.16	15.11	17.05	19.03	21.06	23.14	27.4	31.81
2000	7.79	8.7	9.63	10.58	11.54	12.53	13.52	14.54	15.57	16.62	18.75	20.93	23.17	25.45	30.14	34.99
2400	9.19	10.26	11.35	12.47	13.61	14.77	15.95	17.15	18.36	19.59	22.11	24.69	27.32	30.01	35.54	41.26
3000	11.24	12.55	13.89	15.26	16.65	18.07	19.51	20.98	22.46	23.97	27.05	30.2	33.43	36.72	43.48	50.48
3500	12.92	14.43	15.97	17.54	19.14	20.77	22.43	24.11	25.82	27.56	31.09	34.72	38.42	42.21	49.98	
4000	14.58	16.28	18.02	19.79	21.6	23.44	25.31	27.21	29.14	31.09	35.08	39.17	43.35	47.62		
4500	16.22	18.11	20.04	22.01	24.02	26.07	28.15	30.26	32.41	34.59	39.02	43.57	48.22			
5000	17.84	19.92	22.04	24.21	26.42	28.67	30.96	33.29	35.65	38.04	42.92	47.93				
5500	19.44	21.71	24.02	26.39	28.8	31.25	33.75	36.28	38.86	41.46	46.79	52.24				

Belt Width (mm)	12				21				36				62			
Width factor	1.2				2.1				3.6				6.2			
Length	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440	1600	1760	1792
Length factor	0.78	0.82	0.86	0.90	0.91	0.93	0.94	0.96	0.99	1.01	1.02	1.04	1.08	1.12	1.16	1.17
	2000	2200	2240	2400	2520	2600	2800	2840	3048	3200	3280	3600	4000	4400	4480	
	1.21	1.24	1.25	1.28	1.30	1.31	1.34	1.34	1.37	1.39	1.40	1.43	1.47	1.51	1.51	

\*\*A quasi-static application is defined as one where the drive speed is less than 100 rpm. In such cases the belt load can be up to 30% higher. In such cases, please contact our technical staff.

# CTD C14M

## Power Ratings



The power ratings are valid for a standard width. The belt power for other widths can be calculated by multiplying by the width factor.

### Conti® Synchrochain Carbon

#### Power Rating in Horsepower (HP) - Toothed profile: CTD C14M 10 mm belt width

To estimate HP: Multiply the value in the table for a given sprocket size and RPM by the Width Factor and the Length Factor below

	Number of teeth of the small sprocket														
	22	24	26	28	30	32	34	36	38	40	44	48	52	56	64
	Pitch diameter of sprocket (mm)														
	124.78	133.69	142.6	151.52	160.43	169.34	178.25	187.17	196.08	204.99	213.90	231.73	249.55	285.21	320.86
10	0.54	0.58	0.62	0.66	0.70	0.74	0.78	0.83	0.87	0.91	0.95	1.05	1.13	1.31	1.49
20	0.95	1.02	1.10	1.17	1.25	1.33	1.39	1.47	1.55	1.64	1.72	1.86	2.02	2.35	2.67
40	1.69	1.82	1.96	2.09	2.23	2.36	2.51	2.64	2.77	2.91	3.06	3.34	3.62	4.18	4.76
100	3.65	3.94	4.22	4.52	4.80	5.09	5.39	5.68	5.98	6.27	6.58	7.17	7.79	9.01	10.24
200	6.51	7.02	7.55	8.06	8.58	9.10	9.62	10.15	10.68	11.22	11.74	12.83	13.90	16.09	18.30
300	9.16	9.87	10.59	11.31	12.05		13.51	14.26	15.00	15.75	16.50	18.00	19.52	22.59	25.68
400	11.65	12.56	13.47	14.40	15.32	16.26	17.20	18.14	19.09	20.04	20.99	22.91	24.84	28.74	32.68
500	14.03	15.13	16.25	17.36	18.47	19.60	20.72	21.86	23.00	24.16	25.29	27.61	29.93	34.64	39.40
600	16.35	17.64	18.93	20.21	21.53	22.83	24.14	25.47	26.80	28.14	29.48	32.16	34.88	40.35	45.90
700	18.61	20.07	21.53	23.00	24.49	25.98	27.48	28.98	30.50	32.01	33.53	36.60	39.68	45.91	52.21
800	20.80	22.44	24.08	25.72	27.39	29.05	30.72	32.41	34.10	35.79	37.49	40.92	44.37	51.34	58.39
1000	25.08	27.05	29.02	31.01	33.00	35.01	37.04	39.06	41.10	43.15		49.33	53.49	61.89	70.39
1200	29.22	31.50	33.81	36.13	38.45	40.79	43.14	45.51	47.88	50.25	52.65	57.47	62.31	72.09	82.00
1450	34.24	36.92	39.61	42.32	45.05	47.79	50.55	53.31	56.10	58.89	61.69	67.33	73.00	84.46	96.07
1600	37.17	40.08	43.02	45.97	48.93	51.90	54.89	57.90	60.91	63.94	66.98	73.11	79.28	91.73	104.32
1800	41.03	44.24	47.47	50.72	53.99	57.28	60.58	63.90	67.23	70.58	73.93	80.68	87.49	101.23	115.13
2000	44.81	48.32	51.85	55.40	58.97	62.56	66.17	69.79	73.43	77.08	80.75	88.12	95.56	110.56	125.75
2400	52.20	56.29	60.40	64.53	68.70	72.87	77.08	81.30	85.54	89.79	94.06	102.65	111.31	128.79	
3000	62.92	67.86	72.80	77.79	82.80	87.84	92.91	97.99	103.10	108.23	113.38	123.74	134.18		
3500	71.60	77.20	82.83	88.51	94.21	99.95	105.70	111.49	117.31	123.14	128.99				
4000	80.05	86.33	92.63	98.98	105.35	111.76	118.20	124.68	131.18	137.71					

Belt Width (mm)	20					37					68					90					125
Width factor	2.0					3.7					6.8					9.0					12.5
Length	994	1120	1190	1260	1400	1568	1610	1750	1890	1960	2100	2240	2310	2380							
Length factor	0.67	0.72	0.74	0.76	0.80	0.84	0.85	0.88	0.91	0.93	0.95	0.98	0.99	1.0							
	2000	2200	2240	2400	2520	2600	2800	2840	3048	3200	3280	3600	4000	4400							
	1.21	1.24	1.25	1.28	1.30	1.31	1.34	1.34	1.37	1.39	1.40	1.43	1.47	1.51							

\*\*A quasi-static application is defined as one where the drive speed is less than 100 rpm. In such cases the belt load can be up to 30% higher. In such cases, please contact our technical staff.



Please refer to **Maximizer Pro™** for further design principles.

## Conti® Synchrochain Carbon

Power Rating in Kilowatts (kW) - Toothed profile: CTD C14M 10 mm belt width

To estimate kW: Multiply the value in the table for a given sprocket size and RPM by the Width Factor and the Length Factor below

		Number of teeth of the small sprocket														
		22	24	26	28	30	32	34	36	38	40	44	48	52	56	64
		Pitch diameter of toothed sprocket (mm)														
		124.78	133.69	142.6	151.52	160.43	169.34	178.25	187.17	196.08	204.99	213.90	231.73	249.55	285.21	320.86
RPM of Small Sprocket	10	0.4	0.43	0.46	0.49	0.52	0.55	0.58	0.62	0.65	0.68	0.71	0.78	0.84	0.98	1.11
	20	0.71	0.76	0.82	0.87	0.93	0.99	1.04	1.1	1.16	1.22	1.28	1.39	1.51	1.75	1.99
	40	1.26	1.36	1.46	1.56	1.66	1.76	1.87	1.97	2.07	2.17	2.28	2.49	2.7	3.12	3.55
	100	2.72	2.94	3.15	3.37	3.58	3.8	4.02	4.24	4.46	4.68	4.91	5.35	5.81	6.72	7.64
	200	4.86	5.24	5.63	6.01	6.4	6.79	7.18	7.57	7.97	8.37	8.76	9.57	10.37	12	13.65
	300	6.83	7.36	7.9	8.44	8.99	9.53	10.08	10.64	11.19	11.75	12.31	13.43	14.56	16.85	19.16
	400	8.69	9.37	10.05	10.74	11.43	12.13	12.83	13.53	14.24	14.95	15.66	17.09	18.53	21.44	24.38
	500	10.47	11.29	12.12	12.95	13.78	14.62	15.46	16.31	17.16	18.02	18.87	20.6	22.33	25.84	29.39
	600	12.2	13.16	14.12	15.08	16.06	17.03	18.01	19	19.99	20.99	21.99	23.99	26.02	30.1	34.24
	700	13.88	14.97	16.06	17.16	18.27	19.38	20.5	21.62	22.75	23.88	25.01	27.3	29.6	34.25	38.95
	800	15.52	16.74	17.96	19.19	20.43	21.67	22.92	24.18	25.44	26.7	27.97	30.53	33.1	38.3	43.56
	1000	18.71	20.18	21.65	23.13	24.62	26.12	27.63	29.14	30.66	32.19	33.72	36.8	39.9	46.17	52.51
	1200	21.8	23.5	25.22	26.95	28.68	30.43	32.18	33.95	35.72	37.49	39.28	42.87	46.48	53.78	61.17
	1450	25.54	27.54	29.55	31.57	33.61	35.65	37.71	39.77	41.85	43.93	46.02	50.23	54.46	63.01	71.67
	1600	27.73	29.9	32.09	34.29	36.5	38.72	40.95	43.19	45.44	47.7	49.97	54.54	59.14	68.43	77.82
	1800	30.61	33	35.41	37.84	40.28	42.73	45.19	47.67	50.15	52.65	55.15	60.19	65.27	75.52	85.89
	2000	33.43	36.05	38.68	41.33	43.99	46.67	49.36	52.06	54.78	57.5	60.24	65.74	71.29	82.48	93.81
	2400	38.94	41.99	45.06	48.14	51.25	54.36	57.5	60.65	63.81	66.98	70.17	76.58	83.04	96.08	
	3000	46.94	50.62	54.31	58.03	61.77	65.53	69.31	73.1	76.91	80.74	84.58	92.31	100.1		
	3500	53.41	57.59	61.79	66.03	70.28	74.56	78.85	83.17	87.51	91.86	96.23				
4000	59.72	64.4	69.1	73.84	78.59	83.37	88.18	93.01	97.86	102.73						

Belt Width (mm)	20				37				68				90				125
Width factor	2.0				3.7				6.8				9.0				12.5
Length	994	1120	1190	1260	1400	1568	1610	1750	1890	1960	2100	2240	2310	2380			
Length factor	0.67	0.72	0.74	0.76	0.80	0.84	0.85	0.88	0.91	0.93	0.95	0.98	0.99	1.0			
	2450	2520	2590	2660	2800	3136	3304	3360	3500	3850	3920	4326	4410				
	1.01	1.02	1.03	1.04	1.06	1.11	1.13	1.13	1.15	1.18	1.19	1.23	1.24				

\*\*A quasi-static application is defined as one where the drive speed is less than 100 rpm. In such cases the belt load can be up to 30% higher. In such cases, please contact our technical staff.

# ContiTech



## Contact

### ContiTech

North America Headquarters  
703 S. Cleveland Massillon Road  
Fairlawn, OH 44333-3023 U.S.A.  
1-800-235-4632

### Canada

1-888-275-4397  
FAX 1-888-464-4397

### Mexico

1-800-439-7373  
FAX 1-800-062-0918

### Germany

+49 (0)511 938 02  
mailservice@contitech.de

[www.contitech.us](http://www.contitech.us)

## ContiTech. Engineering Next Level

As a division of the Continental Group, ContiTech is a recognized innovation and technology leader in natural rubber and plastics. As an industry partner with a firm future ahead of us, we engineer solutions both with and for our customers around the world. Our solutions are specially tailored to meet the needs of the market. With extensive expertise in materials and processes, we are able to develop cutting-edge technologies while ensuring we make responsible use of resources. We are quick to respond to important technological trends, such as function integration, lightweight engineering and the reduction of complexity, and offer a range of relevant products and services. That way, when you need us, you'll find we're already there.