

Sprocket Sets for Chain Tensioners, Single-Strand

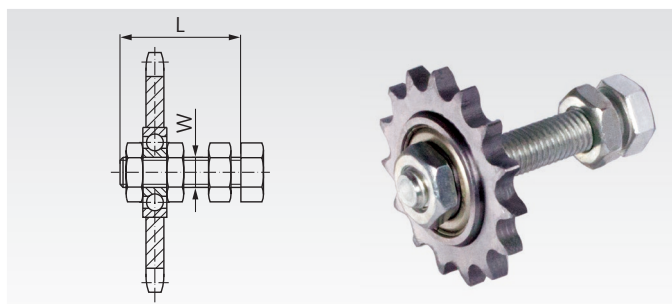
Material: Sprocket from steel St40/St50.

Bearing from roller bearing steel.

Screw and nuts from steel, zinc-plated.

The sprocket can be moved on the screw and thus be aligned with the chain. It is locked in the desired position by the nuts. The permanently lubricated 2Z bearing enables a light running.

Temperature range: -20° to +120°C.



Ordering Details: e.g.: Product No. 14050101, Sprocket Set 06 B-1 for Chain Tensioners Size 1 and 2

Product No.	Matching Tensioning Element Size	DIN ISO	No. of Teeth	Pitch Ø mm	L mm	W mm	Weight kg
140 501 01	1 and 2	06 B - 1	15	45,81	55	M10	0,08
140 502 01*	1 ¹⁾ and 2 ²⁾	081	18	73,14	55	M16 ³⁾	0,19
140 503 01*	1 ¹⁾ and 2 ²⁾	083	18	73,14	55	M16 ³⁾	0,21
140 505 01	1 and 2	08 B - 1	15	61,08	55	M10	0,20
140 506 01	3	10 B - 1	15	76,36	80	M12	0,30
140 507 01	3	12 B - 1	15	91,63	80	M12	0,51
140 508 01	4	16 B - 1	13	106,14	100	M20	0,95

¹⁾ Tensioning element bore needs to be drilled out. ²⁾ Matching Product No. 140 802 16. ³⁾ With special ball bearing, length of inner ring 18.3mm.

Sprocket Sets for Chain Tensioners, Double-Strand

Material: Sprockets from steel St40/St50.

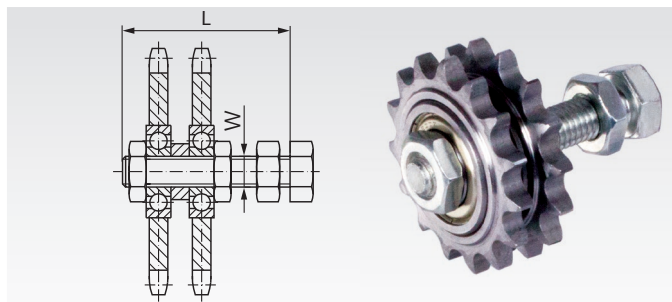
Bearings from roller bearing steel.

Screw and nuts from steel, zinc-plated.

The sprockets can be moved on the screw and thus be aligned with the chain. They are locked in the desired position by the nuts. The permanently lubricated 2Z bearings enable a light running. Accurate-to-size spacers guarantee perfect meshing of teeth and sprocket.

Temperature range: -20° to +120°C.

Ordering Details: e.g.: Product No. 14052101, Sprocket Set 06 B-2 for Chain Tensioners Size 1 and 2



Product No.	Matching Tensioning Element Size	DIN ISO	No. of Teeth	Pitch Ø mm	L mm	W mm	Weight kg
140 521 01	1 and 2	06 B - 2	15	45,81	55	M10	0,15
140 525 01	1 and 2	08 B - 2	15	61,08	70	M10	0,40
140 526 01	3	10 B - 2	15	76,36	80	M12	0,60
140 527 01	3	12 B - 2	15	91,63	80	M12	1,00
140 528 01	4	16 B - 2	13	106,14	120	M20	1,90

Sprocket Sets for Chain Tensioners, Triple-Strand

Material: Sprockets from steel St40/St50.

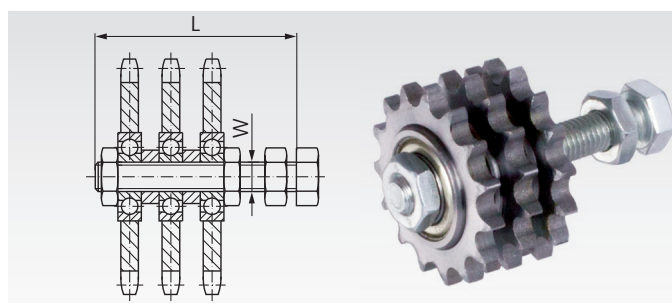
Bearings from roller bearing steel.

Screw and nuts from steel, zinc-plated.

The sprockets can be moved on the screw and thus be aligned with the chain. They are locked in the desired position by the nuts. The permanently lubricated 2Z bearings enable a light running. Accurate-to-size spacers guarantee perfect meshing of teeth and sprocket.

Temperature range: -20° to +120°C.

Ordering Details: e.g.: Product No. 14053101, Sprocket Set 06 B-3 for Chain Tensioner Size 2



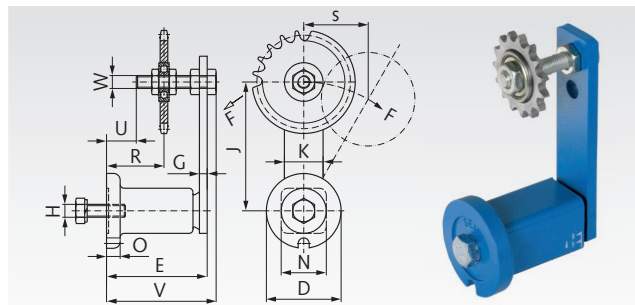
Product No.	Matching Tensioning Element Size	DIN ISO	No. of Teeth	Pitch Ø mm	L mm	W mm	Weight kg
140 531 01	2	06 B - 3	15	45,81	70	M10	0,25
140 535 01	2 ⁴⁾ and 3	08 B - 3	15	61,08	80	M12	0,50
140 536 01	3	10 B - 3	15	76,36	80	M12	0,95
140 537 01	4	12 B - 3	15	91,63	120	M20	1,50

⁴⁾ Matching tensioning element Product No. 14080212.

Chain Tensioners for Single-Strand Roller Chains DIN ISO 606 (formerly DIN 8187)

Material: Housing sintered steel or grey cast iron, lever St52, sprocket made from steel.

This tensioning element, a continually-tensioning torsion element, prolongs the service life of chain and belt drives by at least 30%, and radically reduces maintenance and repair work. The unique operating principle of this spring offers a long tensioning distance, especially as the lever can be pre-tensioned by up to 30° in both directions. The permanent torsion force does not only automatically compensate the chain elongation, the rubber mounted element also dampens vibrations and shocks in the entire drive. Other advantages: chain track adjustable, rubber suspension, adjustable at an angle of 360°, tensioning pressure steplessly adjustable from "normal" to "hard". Can be used for both tensioning directions. Temperature range: -20° to +80°C.



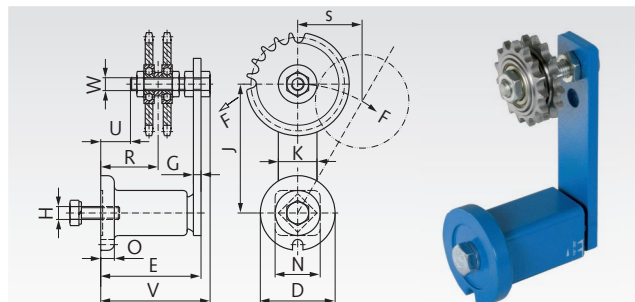
Ordering Details: e.g.: Product No. 14080200, Tensioner and 14050101, Sprocket

DIN ISO	Product No. Tensioning Element	Product No. Single Sprocket	No. of Teeth	Pitch Ø mm	max. Tensioning Force N	D mm	E mm	H mm	J mm	N mm	R mm	S max. mm	U mm	V mm	W mm	Weight kg
06 B - 1	140 802 00	140 501 01	15	45,81	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	34-55	50	23	85	M10	0,75
081	140 802 16	140 502 01	18	73,14	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	40-48	50	23	88	M16	0,95
083	140 802 16	140 503 01	18	73,14	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	40-48	50	23	88	M16	0,96
08 B - 1	140 802 00	140 505 01	15	61,08	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	34-55	50	23	85	M10	0,80
10 B - 1	140 803 00	140 506 01	15	76,36	0 - 810	78	108 ^{+2/-0,5}	M12	130	52	42-80	65	27	115	M12	2,05
12 B - 1	140 803 00	140 507 01	15	91,63	0 - 810	78	108 ^{+2/-0,5}	M12	130	52	42-80	65	27	115	M12	2,25
16 B - 1	140 804 00	140 508 01	13	106,14	0 - 1500	95	140 ^{+2/-0,5}	M16	175	66	60-100	87,5	40	153	M20	4,80

Chain Tensioners for Double-Strand Roller Chains DIN ISO 606 (formerly DIN 8187)

Material: Housing sintered steel or grey cast iron, lever St52, sprocket made from steel.

This tensioning element, a continually-tensioning torsion element, prolongs the service life of chain and belt drives by at least 30%, and radically reduces maintenance and repair work. The unique operating principle of this spring offers a long tensioning distance, especially as the lever can be pre-tensioned by up to 30° in both directions. The permanent torsion force does not only automatically compensate the chain elongation, the rubber mounted element also dampens vibrations and shocks in the entire drive. Other advantages: chain track adjustable, rubber suspension, adjustable at an angle of 360°, tensioning pressure steplessly adjustable from "normal" to "hard". Can be used for both tensioning directions. Temperature range: -20° to +80°C.



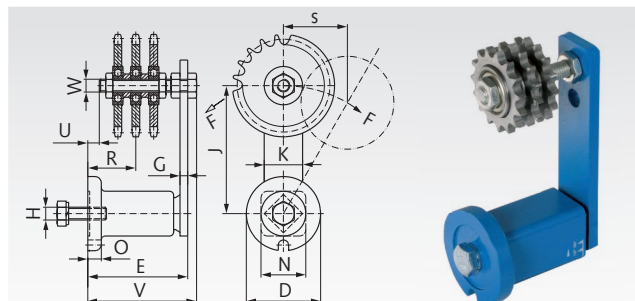
Ordering Details: e.g.: Product No. 14080200, Tensioner and 140 521 01, Sprocket

DIN ISO	Product No. Tensioning Element	Product No. Double Sprocket	No. of Teeth	Pitch Ø mm	max. Tensioning Force N	D mm	E mm	H mm	J mm	N mm	R mm	S max. mm	U mm	V mm	W mm	Weight kg
06 B - 2	140 802 00	140 521 01	15	45,81	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	39-50	50	23	85	M10	0,80
08 B - 2	140 802 00	140 525 01	15	61,08	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	41-48	50	23	85	M10	0,80
10 B - 2	140 803 00	140 526 01	15	76,36	0 - 810	78	108 ^{+2/-0,5}	M12	130	52	50-71	65	27	115	M12	2,30
12 B - 2	140 803 00	140 527 01	15	91,63	0 - 810	78	108 ^{+2/-0,5}	M12	130	52	51-70	65	27	115	M12	2,75
16 B - 2	140 804 00	140 528 01	13	106,14	0 - 1500	95	140 ^{+2/-0,5}	M16	175	66	56-85	87,5	20	153	M20	5,65

Chain Tensioners for Triple-Strand Roller Chains DIN ISO 606 (formerly DIN 8187)

Material: Housing sintered steel or grey cast iron, lever St52, sprocket made from steel.

This tensioning element, a continually-tensioning torsion element, prolongs the service life of chain and belt drives by at least 30%, and radically reduces maintenance and repair work. The unique operating principle of this spring offers a long tensioning distance, especially as the lever can be pre-tensioned by up to 30° in both directions. The permanent torsion force does not only automatically compensate the chain elongation, the rubber mounted element also dampens vibrations and shocks in the entire drive. Other advantages: chain track adjustable, rubber suspension, adjustable at an angle of 360°, tensioning pressure steplessly adjustable from "normal" to "hard". Can be used for both tensioning directions. Temperature range: -20° to +80°C.



Ordering Details: e.g.: Product No. 14080200, Tensioner and 14053101, Sprocket

DIN ISO	Product No. Tensioning Element	Product No. Triple Sprocket	No. of Teeth	Pitch Ø mm	max. Tensioning Force N	D mm	E mm	H mm	J mm	N mm	R mm	S max. mm	U mm	V mm	W mm	Weight kg
06 B - 3	140 802 00	140 531 01	15	45,81	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	25-45	50	6	85	M10	0,90
08 B - 3	140 802 12	140 535 01	15	61,08	0 - 350	58	79 ^{+1,5/-0,5}	M10	100	35	23-47	50	6	85	M12	0,90
10 B - 3	140 803 00	140 536 01	15	76,36	0 - 810	78	108 ^{+2/-0,5}	M12	130	52	40-64	65	15	115	M12	3,25
12 B - 3	140 804 00	140 537 01	15	91,63	0 - 1500	95	140 ^{+2/-0,5}	M16	175	66	56-80	87,5	30	153	M20	6,50