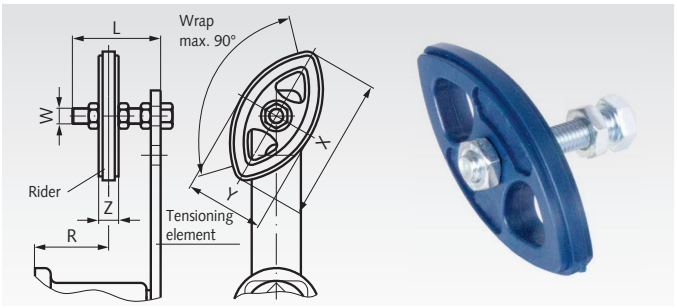
Chain Rider Sets

Material: Plastic POM. Screw zinc-plated steel.

To be mounted on the suitable tensioning element to create a ready-to-mount, cost-efficient chain tensioner. The shape of the rider, made from high-grade, friction resistant, industrial plastic, means the rider can be used on both rider sides and the large radius guarantees quiet operation. The maximum chain speed must not exceed 1.5 m/sec. Temperature range: -20° to +80°C.

Tensioning Element has to be ordered separately.

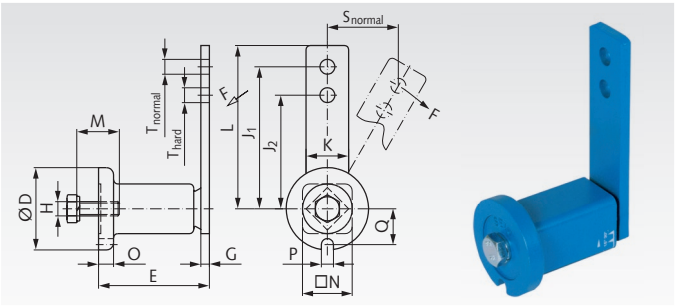


Ordering Details: e.g.: Product No. 140 851 00 Chain Rider Set 06 B-1

Product No.	Suitable for Tensioning Element Size	DIN ISO	W mm	L mm	X mm	Y mm	Z mm	R_{min} mm	R_{max} mm	Weight kg
140 851 00	0	06 B-1	M8	45	74	40	10,2	17	32	0,05
140 855 00	1	08 B-1	M10	55	96	50	13,9	23	41	0,10
140 856 00	2	10 B-1	M10	55	126	65	16,6	40	55	0,12
140 857 00	3	12 B-1	M12	80	148	74	19,5	47	78	0,18

Tensioning Elements in Standard Version

Material: Housing up to Ø 78 mm made from sintered steel, over Ø 78 mm made from grey cast iron, lever made from St52. Can be used for tensioning all common kinds of chain and belt drives. The elastomeric inserts are based on highly-elastic natural rubber with a good shape memory and are designed for applications in temperatures from -40° to +80°C
The tensioning elements are painted blue and supplied with a zinc-plated screw and spring washer. Can be used for both tensioning directions. Temperature range: -40° to +80°C.



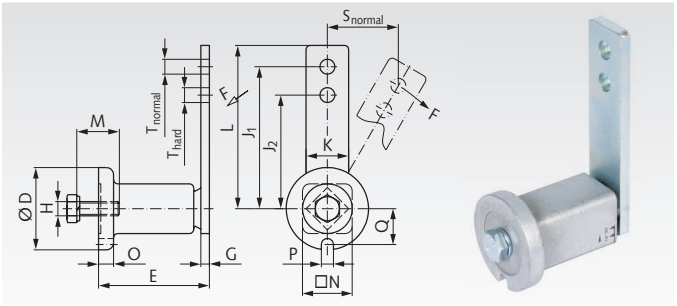
Ordering Details: e.g.: Product No. 140 800 00, Tensioning Element Ø 35 mm

Product No.	Size	F max. normal N	F max. hard N	s max. normal mm	s max. hard mm	D mm	E mm	G mm	H mm	J_1 mm	J_2 mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	T mm	M_A Nm	Weight kg
140 800 00	0	96	128	40	30	35	51 $^{+1,0}_{-0,5}$	5	M6	80	60	20	90	20	22	6	8	16,5	8,5	10	0,2
140 801 00	1	135	170	50	40	45	64 $^{+1,0}_{-0,5}$	5	M8	100	80	25	112,5	25	30	8	8,5	20,8	10,5	25	0,4
140 802 00	2	350	440	50	40	58	79 $^{+1,5}_{-0,5}$	7	M10	100	80	30	115	30	35	10,5	8,5	25,3	10,5	49	0,6
140 802 12	2	350	440	50	40	58	79 $^{+1,5}_{-0,5}$	7	M10	100	80	30	115	30	35	10,5	8,5	25,3	12	49	0,6
140 802 16	2	350	440	50	40	58	79 $^{+1,5}_{-0,5}$	7	M10	100	80	30	115	30	35	10,5	8,5	25,3	16	49	0,6
140 803 00	3	810	1050	65	50	78	108 $^{+2}_{-0,5}$	8	M12	130	100	50	155	40	52	15	10,5	34,3	12,5	86	1,7
140 804 00	4	1500	1875	87,5	70	95	140 $^{+2}_{-0,5}$	10	M16	175	140	60	205	40	66	15	12,5	42	20,5	210	3,55

Tensioning Elements, Zinc-Plated and Oil Resistant

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

The design of these tensioning elements is identical to the standard version, but they are zinc-plated and the synthetic spring elements are resistant to mineral oils. These components are especially suited for "outdoor" applications, e.g. for construction machinery or for use inside the oilbath of a gearbox. The tensioning elements are marked with a yellow dot on the lever.
Can be used for both tensioning directions.
Temperature range: -30° to +90°C.



Ordering Details: e.g.: Product No. 140 800 03, Tensioning Element Ø 35 mm

Product No.	Size	F max. normal N	F max. hard N	s max. normal mm	s max. hard mm	D mm	E mm	G mm	H mm	J_1 mm	J_2 mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	T mm	M_A Nm	Weight kg
140 800 03	0	96	128	40	30	35	51 $^{+1,0}_{-0,5}$	5	M6	80	60	20	90	20	22	6	8	16,5	8,5	10	0,2
140 801 03	1	135	170	50	40	45	64 $^{+1,0}_{-0,5}$	5	M8	100	80	25	112,5	25	30	8	8,5	20,8	10,5	49	0,6
140 802 03	2	350	440	50	40	58	79 $^{+1,5}_{-0,5}$	7	M10	100	80	30	115	30	35	10,5	8,5	25,3	10,5	49	0,6
140 803 03	3	810	1050	65	50	78	108 $^{+2}_{-0,5}$	8	M12	130	100	50	155	40	52	15	10,5	34,3	12,5	86	1,7
140 804 03	4	1500	1875	87,5	70	95	140 $^{+2}_{-0,5}$	10	M16	175	140	60	205	40	66	15	12,5	42	20,5	210	3,55