

## V-Belt Tensioner with Mounted V-Belt Pulley

**Material:** Housings up to Ø 78 mm made from sintered steel, over Ø 78 mm made from grey cast iron.  
Lever St52, V-belt pulley cast steel.

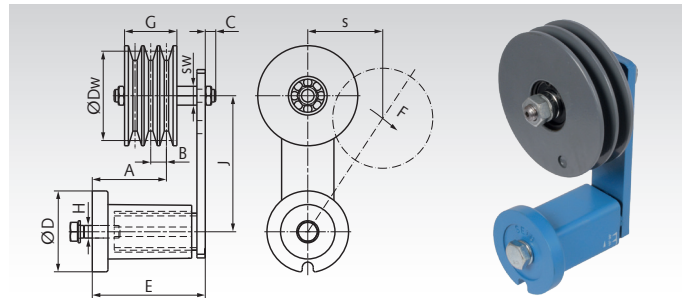
Matching narrow V-belts DIN 2215 und DIN 7753.

Pulley with sealed ball bearings, permanently lubricated.

Measur A of the pulley can be adjusted by distance-washers on the axis, which is screwed onto the tensioner.

Can be used for both tensioning directions.

Ordering Details: e.g.: Product No. 140 850 01, SPZ, 1 Groove, Dw=90mm



Product No.	Profile	No. of Grooves	Dw mm	Tensioner Size	F <sub>max.</sub> N	Speed <sub>max.</sub> min <sup>-1</sup>	S <sub>max.</sub> mm	A mm	B mm	C mm	Ø D mm	E mm	J mm	G mm	H mm	sw mm	Weight kg
140 851 01	XPZ SPZ Z (10)	1	90	2	350	10000	50	20-43	12	13	58	79	100	16	M10	19	2,0
140 851 02	XPZ SPZ Z (10)	2	90	2	350	10000	50	31-48	12	13	58	79	100	28	M10	19	2,3
140 851 03	XPZ SPZ Z (10)	3	90	2	350	10000	50	31-37	12	13	58	79	100	40	M10	19	2,6
140 851 11	XPA SPA A (13)	1	90	2	350	7400	50	15-36	15	19	58	79	100	20	M10	27	2,0
140 851 12	XPA SPA A (13)	2	90	2	350	7400	50	20-42	15	19	58	79	100	35	M10	27	2,3
140 852 01	XPA SPA A (13)	1	90	3	810	7400	65	34-64	15	19	78	108	130	20	M12	27	3,1
140 852 02	XPA SPA A (13)	2	90	3	810	7400	65	49-70	15	19	78	108	130	35	M12	27	3,5
140 852 03	XPA SPA A (13)	3	90	3	810	7400	65	49-70	15	19	78	108	130	50	M12	27	3,8
140 852 04	XPA SPA A (13)	1	125	3	810	5300	65	33-63	15	19	78	108	130	20	M12	27	3,9
140 852 05	XPA SPA A (13)	2	125	3	810	5300	65	49-70	15	19	78	108	130	35	M12	27	4,8
140 854 01	XPB SPB B (17)	1	125	3	810	5300	65	35-65	19	19	78	108	130	25	M12	27	4,2
140 854 02	XPB SPB B (17)	2	125	3	810	5300	65	48-69	19	19	78	108	130	44	M12	27	5,3
140 854 03	XPB SPB B (17)	3	125	4	1500	5300	87,5	104-107	19	17	95	140	175	63	M16	27	7,9
140 854 04	XPB SPB B (17)	3	140	4	1500	4000	87,5	104-107	19	17	95	140	175	63	M16	27	9,2

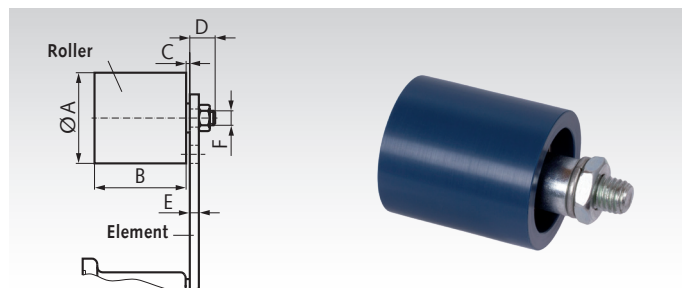
## Tensioning Rollers from Plastic

**Material:** Roller PA 6. Ball bearings DIN 625 from bearing steel.

Mounted on a suitable tensioning element, the tensioning roller becomes a ready-to-mount belt tensioner or on its own it can be used as idler. It runs on two permanently lubricated 2-Z ball bearings. Temperature range: -35° to +100°C.

Tensioning element has to be ordered separately.

Ordering Details: e.g.: Product No. 140 872 00, Tensioning Roller Ø 30 mm



Product-No.	Diameter A mm	Product No. Tensioning Element matching	B mm	C mm	D mm	E max. mm	F mm	Weight kg
140 872 00	30	140 800 00	35	2	14	5	M8	0,08
140 874 00	40	140 801 00	45	6	16	7	M10	0,17
140 876 00	60	140 803 00	60	8	17	8	M12	0,40
140 878 00	80	140 804 00	90	8	25	10	M20	1,15
140 879 00	90	140 804 00	135	10	27	12	M20	1,75

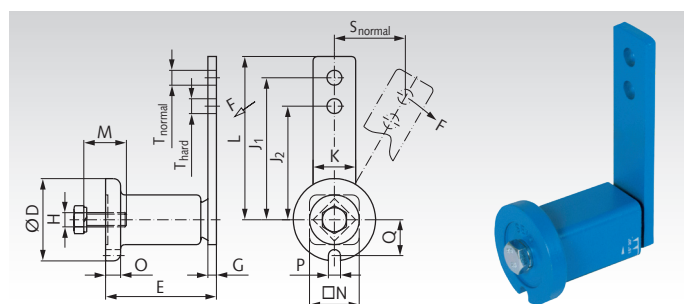
## Tensioning Elements in Standard Version

**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.		s max.		D mm	E mm	G mm	H mm	J <sub>1</sub> mm	J <sub>2</sub> mm	K mm	L mm	M mm	N mm	O mm	P mm	Q mm	T mm	M <sub>A</sub> Nm	Weight kg
		normal N	hard N	normal mm	hard mm																
140 800 00	0	96	120	40	30	35	51 <sup>+1,0</sup> <sub>-0,5</sub>	5	M6	80	60	20	90	20	22	6	8	16,5	8,5	10	0,18
140 801 00	1	135	170	50	40	45	64 <sup>+1,0</sup> <sub>-0,5</sub>	5	M8	100	80	25	112,5	25	30	8	8,5	20,8	10,5	25	0,37
140 802 00	2	350	440	50	40	58	79 <sup>+1,5</sup> <sub>-0,5</sub>	7	M10	100	80	30	115	30	35	10,5	8,5	25,3	10,5	49	0,66
140 803 00	3	810	1015	65	50	78	108 <sup>+2</sup> <sub>-0,5</sub>	8	M12	130	100	50	155	40	52	15	10,5	34,3	12,5	86	1,81
140 804 00	4	1500	1875	87,5	70	95	140 <sup>+2</sup> <sub>-0,5</sub>	10	M16	175	140	60	205	40	66	15	12,5	42	20,5	210	3,55