

V-Belt Tensioner with Mounted V-Belt Pulley

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

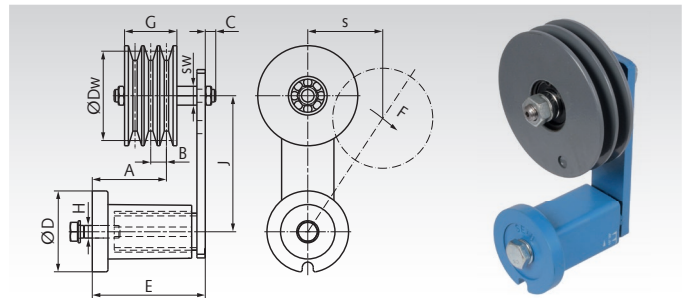
Matching narrow V-belts DIN 2215 und DIN 7753.

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 _{max.} N	Speed _{max.} min ⁻¹	S _{max.} 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

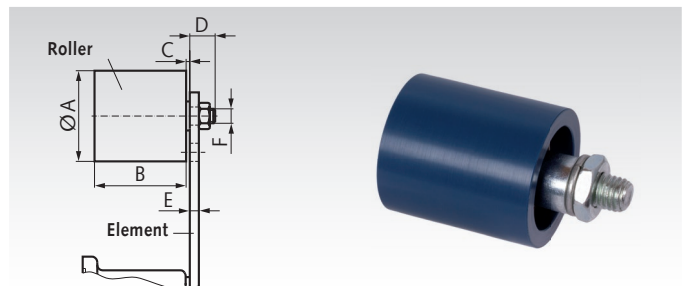
Material: Short roller made from high-grade industrial plastic.

Tensioning rollers are used for tensioning (or as an idler) on the outside of the belt (back of belt). The tensioning rollers can either be mounted rigidly or be combined with tensioning elements to make up an elastic belt tensioner.

It runs on two permanently lubricated 2-Z ball bearings.

Tensioning element has to be ordered separately.

Ordering Details: e.g.: Product No. 140 872 00, Tensioning Roller $\varnothing 30$ 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

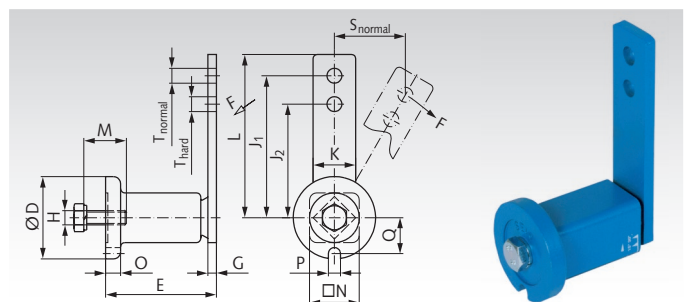
Tensioning Elements in Standard Version

Material: Housing up to $\varnothing 78$ mm made from sintered steel, over $\varnothing 78$ 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 $+80^{\circ}$ 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 $+80^{\circ}$ C.

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



Product No.	Size	F max.		s max.		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
		normal N	hard N	normal mm	hard mm																
140 800 00	0	96	120	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
140 803 00	3	810	1015	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