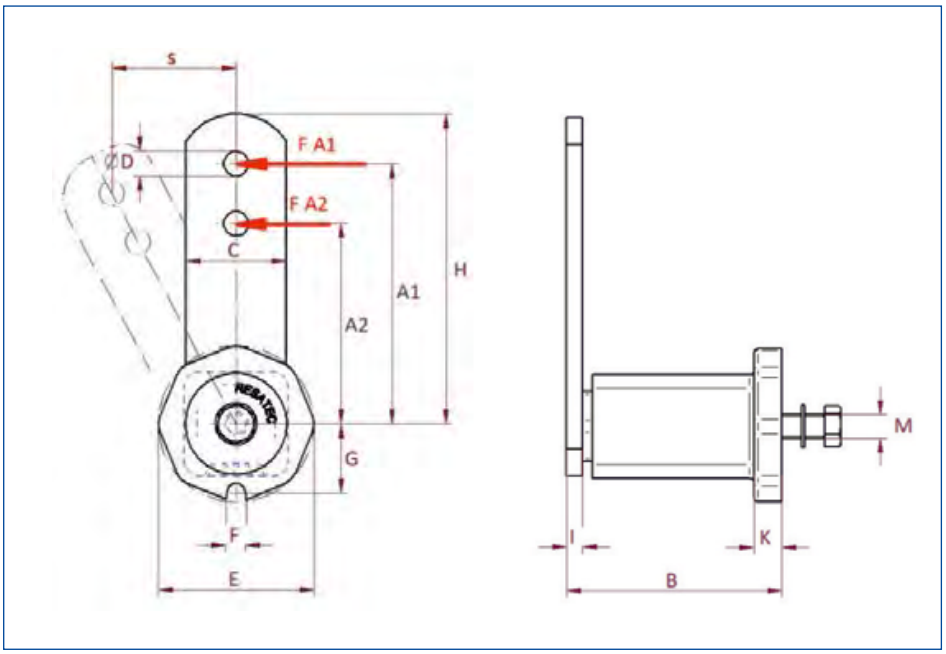
TENSIONER DEVICE
TYPE TE / TE-I / TE-G

TYPE TE
The RESATEC tensioning device type TE is an all-rounder that has replaced other tensioning systems in many applications. The tensioning device is fastened to the machine structure with only one screw. The high quality of the materials used ensures a very long service life and consistent performance parameters. And this completely maintenance-free! A very resistant powder coating protects against corrosion.

TYPE TE-I
The tensioner device type TE-I is manufactured in stainless steel (INOX) design for use in chemical industry and food sector. All technical performance parameters are identical to type TE tensioner. The high quality ensures a very long lifetime, even under difficult environmental conditions.

TYPE TE-G
The tensioner device type TE-G is designed for use in a demanding environment. The surface protection by galvanizing allows the use where a regular protective coating reaches its limits, but no stainless steel design is required. All dimensions and application parameters are unchanged.



TENSIONER DEVICE
TYPE TE / TE-I / TE-G

Dimensions / material

type	A1	A2	B	C	øD	E	F	G	H	I	K	M	material				tigh-tening torque	weight
													housing	TE	tension lever	screws	Nm	kg
TE 2	80	60	52 -0.5/+1	20	8.5	37.5	8.0	16.6	90	5	6	M6	SINT-C 00	powder coating	S235JR/S195JR	DIN 933 8.8 ISO 4017 /galvanized	10	0.2
TE 3	100	80	63 -0.5/+1	25	10.5	48	8.5	19.5	115	5	8	M8					25	0.36
TE 3 galv.	100	80	63 -0.5/+1	25	10.5	48	8.5	19.5	115	5	8	M8		galvanized			25	0.36
TE 4	100	80	78 -0.5/+1.5	30	10.5	60	8.5	24.5	115	6	10	M10		powder coating			49	0.64
TE 4 galv.	100	80	78 -0.5/+1.5	30	10.5	60	8.5	24.5	115	6	10	M10		galvanized			49	0.64
TE 5	130	100	110 -0.5/+2	50	12.5	78	10.5	34	155	8	14	M12		powder coating			86	1.72
TE 6	175	140	145 -0.5/+2	60	20.5	100	12.5	42	205	10	15	M16	EN-GJS-400-15				210	3.6
TE 7	220	175	198 -1/+3	70	20.5	114	12.5	50	255	12	18	M20	S235JR				410	5.46
TE 8	250	-	212 -1/+3	80	20.5	ø130	17	55	290	20	20	M24					750	9.16

Tensioning force F

<a	10°		20°		30°		32°	
type	FA1 N	s mm	FA1* N	s mm	FA1* N	s mm	FA1* N	s mm
TE 2/TE-I 2	18	14	43	27	71	40	90	42
TE 3 galv./ TE-I 3	28	17	68	34	117	50	140	53
TE 4 galv./ TE-I 4	70	17	169	34	303	50	320	53
TE 5/ TE-I 5	157	23	380	44	682	65	820	69
TE 6/ TE-I 6	278	30	675	60	1217	88	1500	93
TE 7	468	38	1135	75	2048	110	2500	117
TE 8	750	43	2200	86	4300	125	4500	132

* The tensioning force in pos. FA2 is approx. 25 % higher

Please note the selection aids in the following charts:

Sprocket Wheel-Set KS-Simplex, Duplex and Triplex
Chain rider CR
Roller RE

type	A1	A2	B	C	øD	E	F	G	H	I	K	M	material				tigh-tening torque	weight
													housing	TE-I	tension lever	screws	Nm	kg
TE-I 2	80	60	52 -0.5/+1	20	8.5	37.5	8.0	16.6	90	5	6	M6	SINT-C 40		1.4301	DIN 933 A2-70 ISO 4017	10	0.21
TE-I 3	100	80	63 -0.5/+1	25	10.5	48	8.5	19.5	115	5	8	M8					25	0.38
TE-I 4	100	80	78 -0.5/+1.5	30	10.5	60	8.5	24.5	115	6	10	M10					48	0.62
TE-I 5	130	10	108 -0.5/+2	50	12.5	78	10.5	34.0	115	8	14	M12					82	1.7
TE-I 6	175	135	130 -0.5/+2	60	20.5	ø~98	12.0	42.0	205	8	15	M16	1.4301				199	2.68