LÜTGERT

ANTRIEBSELEMENTE

Tensioner devices and accessories

If performance is required

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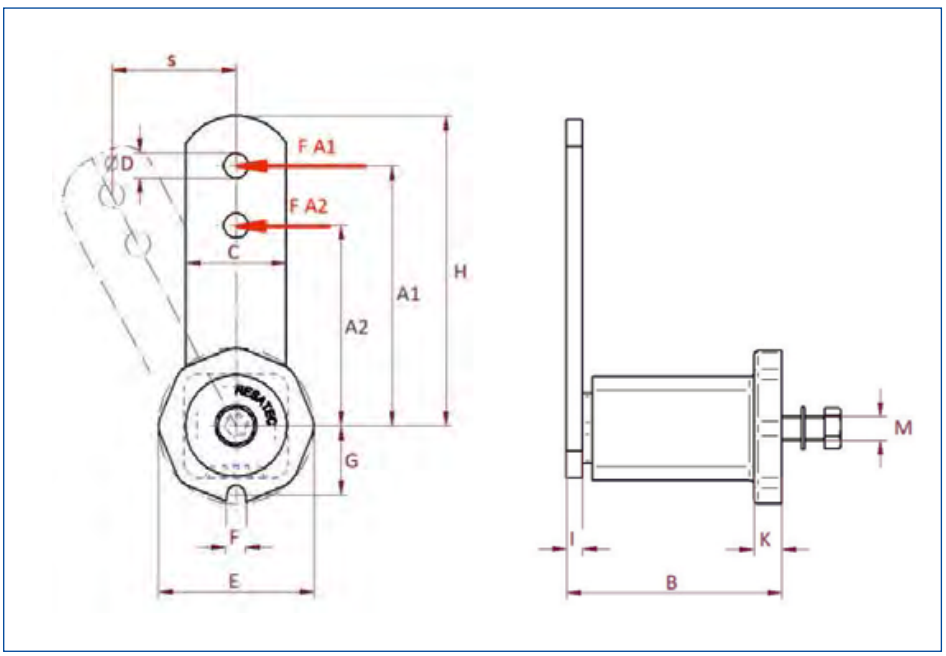
TENSIONER DEVICE
TYPE TE / TE-I / TE-G

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:

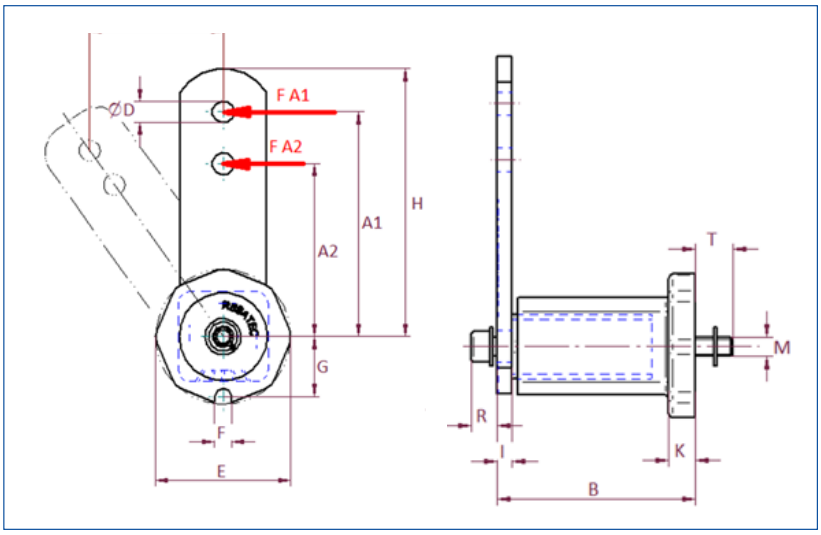
Sprocket Wheel-Set KS-Simplex, Duplex and Triplex
Chain rider CR
Roller RE

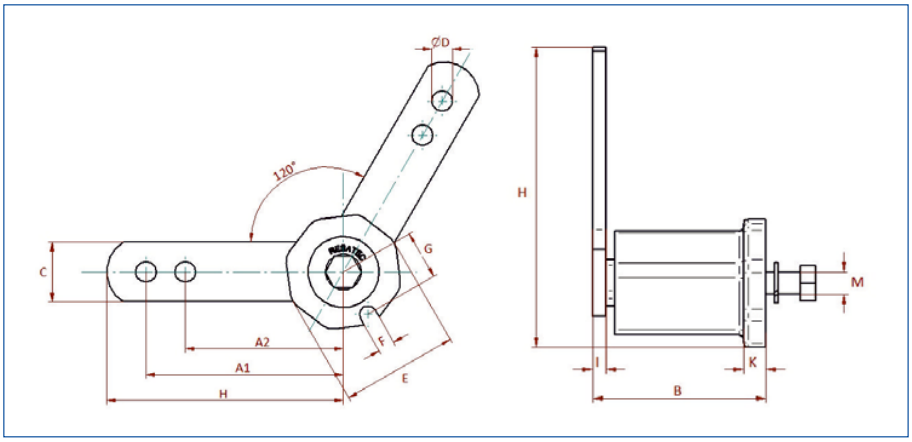
type	A1	A2	B	C	øD	E	F	G	H	I	K	M	material				tigh-tening torque	weight
													housing	TE-I	tension lever	screws	Nm	kg
TE-I 2	80	60	52 -0.5/+1	20	8.5	37.5	8.0	16.6	90	5	6	M6	SINT-C 40		1.4301	DIN 933 A2-70 ISO 4017	10	0.21
TE-I 3	100	80	63 -0.5/+1	25	10.5	48	8.5	19.5	115	5	8	M8					25	0.38
TE-I 4	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

TENSIONER DEVICE
TYPE TE-FB / TE-D BOOMERANG

TYPE TE-FB
The tensioner device type TE-FB is identical to the types TE, TE-I and TE-G in terms of application. Type TE-FB can be mounted directly on the machine structure from the front using a screw and clamping sleeve. This allows easy mounting when the machine structure is not accessible from the rear. The tensioner device is protected against corrosion by a resistant powder coating.

TYPE TE-D BOOMERANG
To avoid having to use several elements to compensate for elongation in long chain and belt drives, the type TE-D Boomerang is used. With its two cantilevers, it provides 3 times the compensation of belt elongation for the same application. Thus, a loose drive is easily and reliably prevented even with long belts. The element is protected against corrosion by a resistant powder coating.





TENSIONER DEVICE
TYPE TE-FB / TE-D BOOMERANG

Dimensions / material

type	A1	A2	B	C	øD	E	F	G	H	I	K	M	R	S	material	tigh-tening torque	weight
															TE housing	Nm	kg
TE-FB 3	100	80	63 -0.5/+1	25	10.5	48	8.5	19.5	115	5	8	M6	10	13	SINT-C 00	10	0.46
TE-FB 4	100	80	78 -0.5/+1.5	30	10.5	60	8.5	24.5	115	6	10	M8	13	17		25	0.65
TE-FB 5	130	100	108 -0.5/+1.5	50	12.5	78	10.5	34	155	8	14	M10	15	17		49	1.75
TE-FB 6	175	140	145 -0.5/+2	60	20.5	100	12.5	42	205	10	15	M12	17	15	EN-GJS-400-15	145	3.9
TE-FB 7	220	175	198 -1/+3	70	20.5	114	12.5	50	255	12	18	M16	23	34	S235IR	355	6.8
TE-FB 8	250	-	212 -1/+3	80	20.5	ø130	17	55	290	20	20	M20	28	38		690	9.3

Material

powder coating
tension lever S235JR/S195JR
screws: Spacer sleeve galvanized
DIN 933 8.8 ISO 4017 TE-FB 3 – TE-FB 5
DIN 933 12.9 ISO 4017 TE-FB 6 – TE-FB 8

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-FB 3	28	17	68	34	117	50	140	53
TE-FB 4/TE-D – 4S	70	17	169	34	303	50	320	53
TE-FB 5/TE-D – 5S	157	23	380	44	682	65	820	69
TE-FB 6	278	30	675	60	1217	88	1500	93
TE-FB 7	468	38	1135	75	2048	110	2500	117
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

Please note the selection aids in the following charts:

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

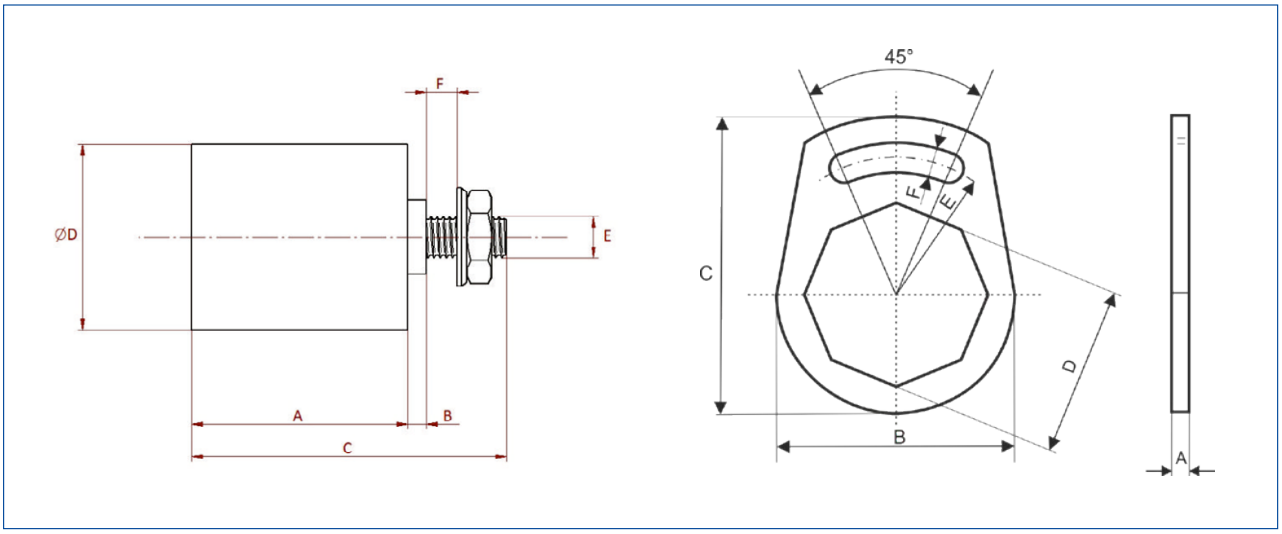
type	A1	A2	B	C	øD	E	F	G	H	I	K	M	R	S	F [N]	@ 32°	tightening torque	weight
															A1	A2	Nm	kg
TE-D – 4S	100	80	78	30	10.5	56	8.5	24.8	135	6	10	M10	10	13	0 - 320	0 - 430	10	0.46
TE-D – 5S	130	10	108	50	12.5	73.7	9.8	34.5	189	8	14	M12	13	17	0 - 820	0 - 1050	25	0.65

Material
powder coating
housing SINT-C 00
tension lever S235JR/S195JR
screws: DIN 933 8.8 ISO 4017 galvanized

ROLLER
TYPE RE

ROLLER TYPE RE
Initially developed as a rotating pulley for tensioning flat belts and later for tensioning poly and V-belts as well as power belts, the roller type RE is widely used as a universal machine component. Would you like adaptations in material, diameter or shape? Please clarify the possibilities with us.

TWIST LOCK TYPE TL
If there is a coating or unevenness on the mounting surface that prevents a secure friction locking, it is recommended to use the RESATEC twist lock. Available for all tensioner devices of size 5 and 6.



Matching to all TE-Types
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ROLLER
TYPE RE

Dimensions

type	ø D	A	E	6kt hex-nut	tightening torque	B	C	F	ball bearing	min -1 rpm max.	suitable for	weight	max. load
					Nm			max.			Typ	kg	N
RE 2	30	35	M8	M8 - 0.5d	10	3	51	7	608 - 2Z	8000	TE 2	0.08	75
RE3/4	40	45	M10	M10 - 0.5d	20	6	67	9	6200 - 2Z	8000	TE 3 / TE 4	0.17	160
RE 5	60	60	M12	M12 - 0.5d	35	7.5	89	13	6301 - 2Z	6000	TRE 5	0.4	310
RE 6	80	90	M20	M 20 - 0.5d	160	9	127	14	6304 - 2Z	5000	TE6 / TE 7	1.2	610
RE 7	80	135	M20	M 20 - 0.5d	160	7	167	12	6304 - 2Z	4500	TE 7	1.7	1210
TL 5	74.5	8	60		104	130	13				TE 5	0.12	
TL 6	94	10	75		128	160	17				TE 6	0.23	

Material roller

Roller PA6
temperature range – 40 °C until 100 °C
screw DIN 933 ISO 4017 steel 8.8 galvanised
hex-nut DIN 439 B ISO 4035 steel 8.8 galvanised
in Ex-shelters the components have to be to grounded
surface resistance ~1013 ohm, contact resistance ~1015 ohm

Selection schedule for TE + Rollers RE

V-belt type	ø smaller pulley	tensioning force [N]	type tensioner device	tensioning force [N]	type tensioner device	tensioning force [N]	type tensioner device	tensioning force [N]	type tensioner device	tensioning force [N]	type tensioner device
		1 belt		2 belt		3 belt		4 belt		5 belt	
XPZ, SPZ	56 – 71	40	TE 2 + RE 2	80	TE 4 + RE 3/4	120	TE 4 + RE 3/4	160	TE 5 + RE 5	200	TE 5 + RE 5
	75 – 90	44		88		132		176		220	
	95 – 125	50	TE 3 + RE 3/4	100		150		200		250	
	> 125	56		112		168		224		280	
XPA, SPA	80 – 100	56	TE 3 + RE 3/4	112	TE 4 + RE 3/4	168	TE 5 + RE 5	224	TE 5 + RE 5	282	TE 6 + RE 6
	106 – 140	76	TE 4 + RE 3/4	152		228		304		380	
	150 – 200	90		180		270		360		450	
	> 200	100		200		300		400	TE 6 + RE 6	500	
XPB, SPB	112 – 160	100	TE 4 + RE 3/4	200	TE 4 + RE 3/4	300	TE 5 + RE 5	400	TE 6 + RE 6	500	TE 7 + RE 7
	170 – 224	124		248	TE 5 + RE 5	372		496		620	
	236 – 355	154		308		462	TE 6 + RE 6	616		770	
	> 355	162		324		486		648		810	
XPC, SPC	224 – 250	174	TE 4 + RE 3/4	348	TE 5 + RE 5	522	TE 6 + RE 6	696	TE 7 + RE 7	870	TE 7 + RE 7
	265 – 355	230	TE 5 + RE 5	460	TE 6 + RE 6	690		920		1150	
	> 375	288		576		864	TE 7 + RE 7	1152		1440	
Z	56 – 100	15	TE 2 + RE 2	30	TE 2 + RE 2	45	TE 2 + RE 2	60	TE 3 + RE 3/4	75	TE 5 + RE 5
A	80 – 140	30	TE 2 + RE 2	60	TE 3 + RE 3/4	90	TE 4 + RE 3/4	120	TE 5 + RE 5	150	TE 6 + RE 6
B	125 – 200	60	TE 3 + RE 3/4	120	TE 4 + RE 3/4	180	TE 5 + RE 5	240	TE 6 + RE 6	300	TE 7 + RE 7
C	200 – 400	120	120 TE 4 + RE 3/4	240	TE 5 + RE 5	360	TE 6 + RE 6	480	TE 7 + RE 7	600	TE 7 + RE 7
D	335 – 600	210	TE 4 + RE 3/4	420	TE 6 + RE 6	630	TE 7 + RE 7	840	TE 7 + RE 7	1050	TE 7

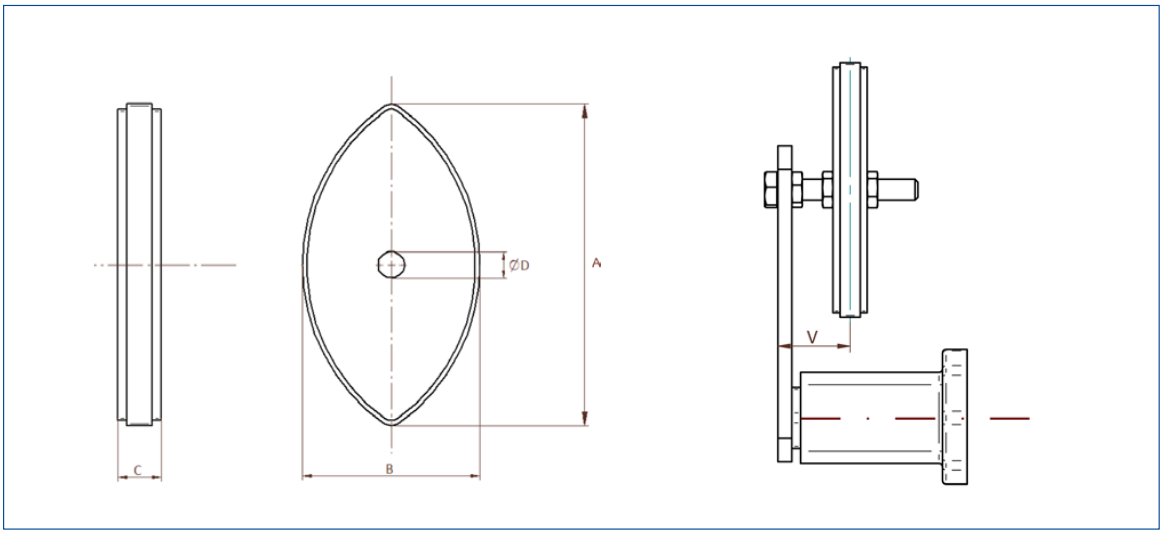
CHAIN RIDER
TYPE CR / CRS / CRD

For the tensioning of chains with low running speed continuous operation up to 1.5 m/s) the chain rider type CR can be used. The high quality plastic material does not require any lubrication. Due to the unique design, the chain always encloses the rider in such a way that problem-free guiding of the chain is ensured. Type CRS or CRD is supplied as a set with the appropriate assembly material for the corresponding tensioning element.

TYPE CR

TYPE CRS

TYPE CRD



Matching to all TE-Types
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CHAIN RIDER
TYPE CR / CRS / CRD

Dimensions

type	roller chain		C	A	B	ø D	screw	6kt hex-nut	torque	suitable for	adjusting range	weight
	DIN 8187	ANSI						3 Stk	Nm	Typ	V	kg
CR 3/8" –8	ISO – 06 B	35	10.2	74	40	8	-	-	-	-	-	0.02
CR 1/2" –10	ISO – 08 B	40	13.9	96	50	10	-	-	-	-	-	0.05
CR 5/8" –10	ISO – 10 B	50	16.5	125	55	10	-	-	-	-	-	0.08
CR 3/4" –12	ISO – 12 B	60	19.5	147	80	12	-	-	-	-	-	0.12
CRS 3/8" S	ISO – 06 B-1	35	10.2	74	40	-	M8 × 45	M8 – 0.5d	10	TE 3	21 – 34	0.05
CRS 1/2" S	ISO – 08 B-1	40	13.9	96	50	-	M10 × 60	60 M10 – 0.5d	20	TE 3/TE 4	23 – 47/24 – 47	0.11
CRS 5/8" S	ISO – 10 B-1	50	16.5	125	55	-	M10 × 60	M10 – 0.5d	20	TE 4	25 – 48	0.14
CRS 3/4" S	ISO – 12 B-1	60	19.5	147	80	-	M12 × 80	M12 – 0.5d	35	TE 5	29 – 64	0.22
CRS 3/8" D	ISO – 06 B-2	35	10.2	74	40	-	M8 × 45	M8 – 0.5d	10	TE 3	26 – 29	0.07
CRS 1/2" D	ISO – 08 B-2	40	13.9	96	50	-	M10 × 60	M10 – 0.5d	20	TE 3/TE 4	30 – 40/31 – 40	0.12
CRS 5/8" D	ISO – 10 B-2	50	16.5	125	55	-	M10 × 60	M10 – 0.5d	20	TE 4	34 – 47	0.17
CRS 3/4" D	ISO – 12 B-2	60	19.5	147	80	-	M12 × 80	M12 – 0.5d	35	TE 5	39 – 54	0.26
CRS-I 3/8" S	ISO – 06 B-1	35	10.2	74	40	-	M8 × 45	M8 – 0.5d	10	TE-I 3	21 – 34	0.05
CRS-I 1/2" S	ISO – 08 B-1	40	13.9	96	50	-	M10 × 60	M10 – 0.5d	20	TE-I 3/TE-I 4	23 – 47/24 – 47	0.11
CRS-I 5/8" S	12 ISO – 10 B-1	50	16.5	125	55	-	M10 × 60	M10 – 0.5d	20	TE-I 4	25 – 48	0.14
CRS-I 3/4" S	ISO – 12 B-1	60	19.5	147	80	-	M12 × 80	M12 – 0.5d	35	TE-I 5	29 – 64	0.22
CRS-I 3/8" D	ISO – 06 B-2	35	10.2	74	40	-	M8 × 45	M8 – 0.5d	10	TE-I 3	26 – 29	0.07
CRS-I 1/2" D	ISO – 08 B-2	40	13.9	96	50	-	M10 × 60	M10 – 0.5d	20	TE-I 3/TE-I 4	30 – 40/31 – 40	0.12
CRS-I 5/8" D	ISO – 10 B-2	50	16.5	125	55	-	M10 × 70	M10 – 0.5d	20	TE-I 4	34 – 47	0.17
CRS-I 3/4" D	ISO – 12 B-2	60	19.5	147	80	-	M12 × 80	M12 – 0.5d	35	TE-I 5	39 – 54	0.26

Material glider CR

Vesconite®
temperature range – 40 °C until 120 °C
max. frictional head 240 °C
max. chain speed limit 1.5 m/s
screw DIN 933 ISO 4017 steel 8.8 galvanised
CRS-I screw DIN 933 ISO 4017 A2
hex-nut DIN 439 B ISO 4035 steel 8.8 galvanised
CRS-I hex-nut DIN 439 B ISO 4035 A2
in Ex-shelters the components have to be grounded
type CRS S are skinpacked on cardboard
the other types components are loosely packed

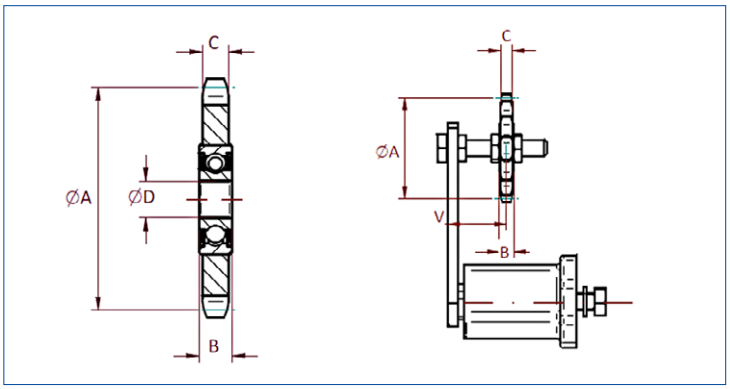
SPROCKET WHEEL

TYPE K / KS SIMPLEX / KS DUPLEX / KS TRIPLEX

For the tensioning of chains, RESATEC AG offers a range of sprocket wheels matching the RESATEC tensioner devices. Packed in the set type KS-Simplex, the sprocket wheel is supplied with the appropriate assembly material for the corresponding RESATEC tensioner device.

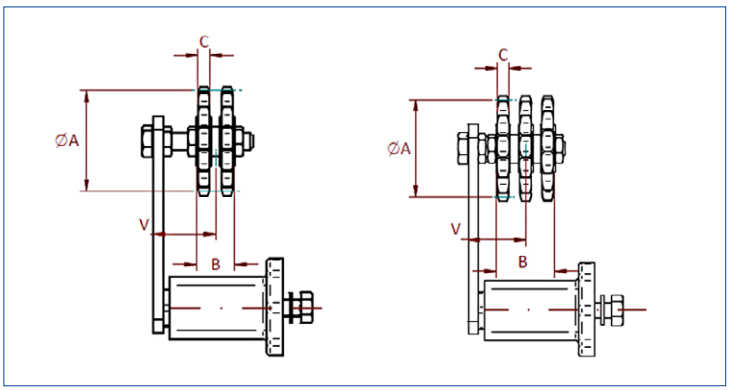
TYPE K

TYPE KS-SIMPLEX



TYPE KS-DUPLEX

TYPE KS-TRIPLEX



Matching to all TE-Types
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SPROCKET WHEEL
TYPE K / KS SIMPLEX

Dimensions

type	roller chain		C	no. of teeth	ø A	B	ø D	ball bearing	6kt hex-nut	weight
	DIN 8187	ANSI	Mm						3 pcs	kg
K 3/8" – 10	ISO – 06 B	35	5.7	15	45.81	9	10	6 200 – 2Z	-	0.02
K 1/2" – 10	ISO – 08 B	40	7.2	15	61.08	9	10	6 200 – 2Z	-	0.05
K 1/2" – 12	ISO – 08 B	40	7.2	15	61.08	12	12	6 301 – 2Z	-	0.08
K 5/8" – 12	ISO – 10 B	50	9.1	15	76.36	12	12	6 301 – 2Z	-	0.12
K 5/8" – 20	ISO – 10 B	50	9.1	15	76.36	15	20	6 304 – 2Z	M8 – 0.5d	0.05
K 3/4" – 12	ISO – 12 B	60	11.5	15	91.63	12	12	6 301 – 2Z	M10 – 0.5d	0.11
K 3/4" – 20	ISO – 12 B	60	11.5	15	91.63	15	20	6 301 – 2Z	M10 – 0.5d	0.14
K 1" – 20	ISO – 16 B	80	16.2	13	106.14	15	20	6 304 – 2Z	M12 – 0.5d	0.22
K 1 1/4" – 20	ISO – 20 B	100	18.5	13	132.67	15	20	6 304 – 2Z	M8 – 0.5d	0.07
K 1 1/2" – 20	ISO – 24 B	120	24.1	11	135.23	15	20	6 304 – 2Z	M10 – 0.5d	0.12

Material

sprockets DIN 1.0503 galvanised
teeth induction hardness HRC 50
tooth shape according ISO 606
temperature range – 40 °C until 120 °C

Dimensions

type	roller chain		C	no. of teeth	ø A	B	screw	6kt hex-nut	torque	ball bearing	suitable for	adjusting range	weight
	DIN 8187	ANSI	Mm					3 pcs					kg
KS 3/8" – 10 S	ISO – 06 B-1	35	5.7	15	45.81	9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 3/TE 4	21 – 50	0.13
KS 1/2" – 10 S	ISO – 08 B-1	40	7.2	15	61.08	9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	21 – 50	0.2
KS 1/2" – 12 S	ISO – 08 B-1	40	7.2	15	61.08	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.25
KS 5/8" – 12 S	ISO – 10 B-1	50	9.1	15	76.36	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.4
KS 5/8" – 20 S	ISO – 10 B-1	50	9.1	15	76.36	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	0.7
KS 3/4" – 12 S	ISO – 12 B-1	60	11.5	15	91.63	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.6
KS 3/4" – 20 S	ISO – 12 B-1	60	11.5	15	91.63	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	0.9
KS 1" – 20 S	ISO – 16 B-1	80	16.2	13	106.14	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	1.3
KS 1 1/4" – 20 S	ISO – 20 B-1	100	18.5	13	132.67	15	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	41 – 121/ 49 – 121	2.05
KS 1 1/2" – 20 S	ISO – 24 B-1	120	24.1	11	135.23	15	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	41 – 121/ 49 – 121	2.4

Material

sprockets DIN 1.0503 galvanised
teeth induction hardness HRC 50
tooth shape according ISO 606
temperature range – 40 °C until 120 °C
srew DIN 933 ISO 4017 steel 8.8 galvanised
hex-nut DIN 439 B ISO 4035 steel 8.8 galvanised

KETTENRADSATZ
TYP KS DUPLEX / -TRIPLEX

Abmessungen

Typ	Rollenkette		C	Anzahl Zähne	ø A	B	Schraube	6kt-Mutter	Anzieh-Moment	Kugellager	passend zu	Einstell-bereich	Gewicht
	DIN 8187	ANSI	Mm				3 Stk.	3 Stk.	Nm		Typ	V	kg
KS 3/8" – 10 D	ISO – 06 B-2	35	5.7	15	45.81	19.2	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 3/TE 4	26 – 44	0.2
KS 1/2" – 10 D	ISO – 08 B-2	40	7.2	15	61.08	22.9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	28 – 42	0.35
KS 1/2" – 12 D	ISO – 08 B-2	40	7.2	15	61.08	26.0	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	34 – 60	0.45
KS 5/8" – 12 D	ISO – 10 B-2	50	9.1	15	76.36	28.6	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	35 – 59	0.6
KS 5/8" – 20 D	ISO – 10 B-2	50	9.1	15	76.36	31.5	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	47 – 93	1
KS 3/4" – 12 D	ISO – 12 B-2	60	11.5	15	91.63	31.5	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	37 – 57	1.05
KS 3/4" – 20 D	ISO – 12 B-2	60	11.5	15	91.63	34.5	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	1.35
KS 1" – 20 D	ISO – 16 B-2	80	16.2	13	106.14	46.9	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	48 – 92	2.1
KS 1 1/4" – 20 D	ISO – 20 B-2	100	18.5	13	132.67	51.5	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	59 – 103/ 67 – 103	3.6
KS 1 1/2" – 20 D	ISO – 24 B-2	120	24.1	11	135.23	63.4	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	65 – 97/ 73 – 97	4.25

Material Kettenräder

Kettenräder DIN 1.0503 galvanisch verzinkt
Zähne induktionsgehärtet HRC 50
Zähneform ISO 606
Temperaturbereich – 40 °C bis 120 °C
Schraube DIN 933 ISO 4017 Stahl 8,8 galvanisch verzinkt
6kt-Mutter DIN 439 B ISO 4035 Stahl 8,8 galvanisch verzinkt

Abmessungen

Typ	Rollenkette		C	Anzahl Zähne	ø A	B	Schraube	6kt-Mutter	Anzieh-moment	Kugel-lager	passend zu	Einstell-bereich	Gewicht
	DIN 8187	ANSI	Mm					3 Stk.			Typ	V	kg
KS 3/8" – 10 T	ISO – 06 B-3	35	5.7	15	45.81	29.4	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	32 – 39	0.25
KS 1/2" – 12 T	ISO – 08 B-3	40	7.2	15	61.08	40	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	41 – 53	0.5
KS 5/8" – 12 T	ISO – 10 B-3	50	9.1	15	76.36	45.2	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	43 – 51	0.95
KS 5/8" – 20 T	ISO – 10 B-3	50	9.1	15	76.36	48.2	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	55 – 85	1.25
KS 3/4" – 20 T	ISO – 12 B-3	60	11.5	15	91.63	54	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	58 – 82	1.5
KS 1" – 20 T	ISO – 16 B-3	80	16.2	13	106.14	78.8	M20 × 160	M20 – 0.5d	160	6 304 – 2Z	TE 7	72 – 110	2.9
KS 1 1/4" – 20 T	ISO – 20 B-3	100	18.5	13	132.67	88	M20 × 160	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	77 – 105/ 85 – 105	5.2
KS 1 1/2" – 20 T	ISO – 24 B-3	120	24.1	11	135.23	111.8	M20 × 180	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	89 – 113/ 97 – 113	6.2

Material Kettenräder

Kettenräder DIN 1.0503 galvanisch verzinkt
Zähne induktionsgehärtet HRC 50
Zähneform ISO 606
Temperaturbereich – 40 °C bis 120 °C
Schraube DIN 933 ISO 4017 Stahl 8,8 galvanisch verzinkt
6kt-Mutter DIN 439 B ISO 4035 Stahl 8,8 galvanisch verzinkt

PRODUCT OVERVIEW
EXTRACT

Drive pulleys

V-belt pulleys | V-belt pulleys | Flywheels | Grid pulleys | Timing belt pulleys | Rubberized Pulleys | Split pulleys | Aluminium pulley

Supplies for drive belts

TaperLock clamping bushes | Motor mounting systems | V-belts / Drive belts | V-belt metrology | Rubber suspension units Ocillating mountings | Tensioner devices | Foundation blocks | Shafts and rolls

More information required?

www.luetgert-antriebe.de

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