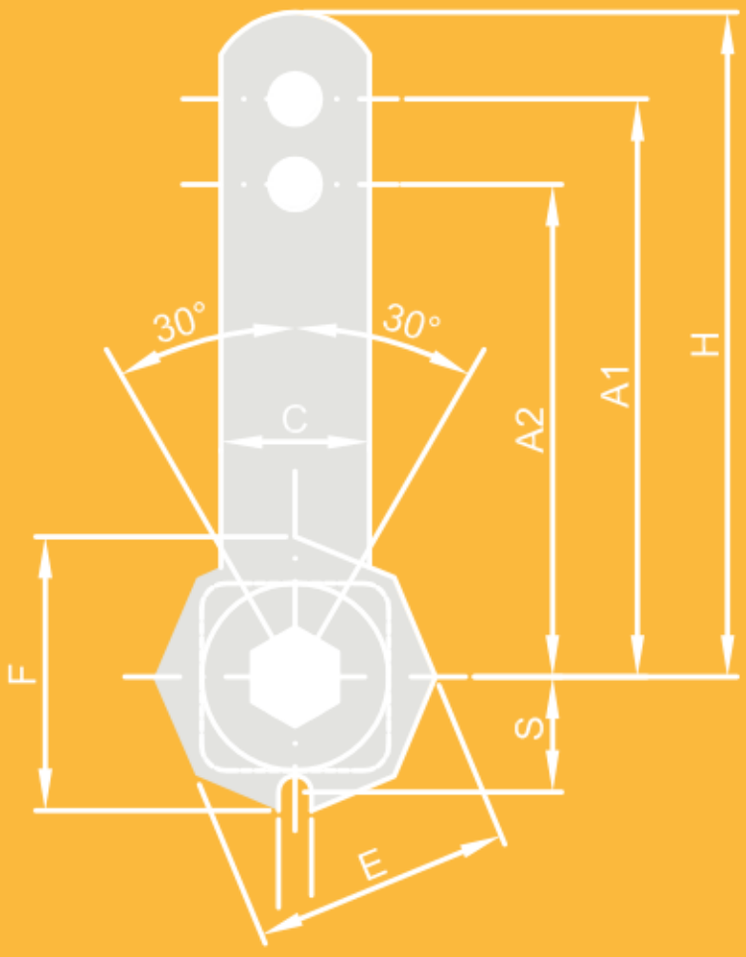
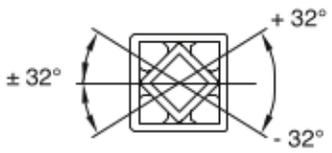
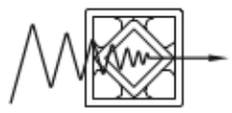
CHAIN TENSIONERS
RUBBER SUSPENSION UNIT



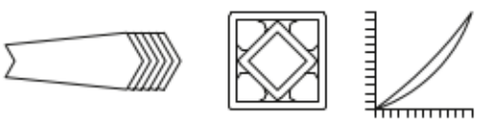
Characteristics of the rubber suspension units



Large operating angle



Noise and vibration damping



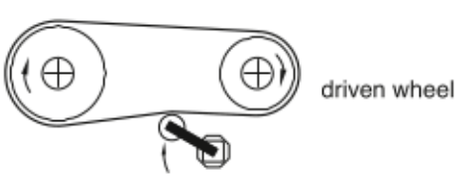
Progressive spring characteristics

Resistant to temperature

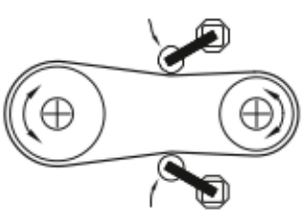
Safe use in any position

Maintenance free

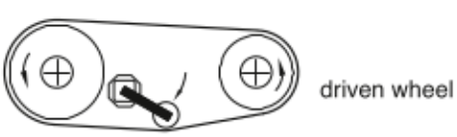
Instructions for a proper mounting of the chain tensioner (TEKS) and of the belt tensioner (TERE)



Tensioner on the loose side

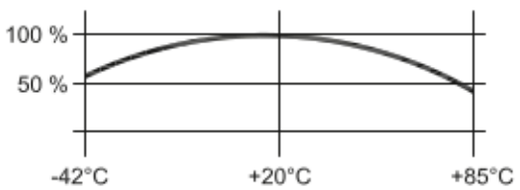


With reversible engine mount
2 tensioners



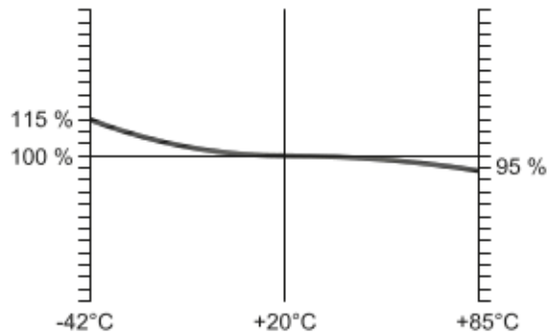
Mounting with belt transmission
with V profile

Characteristics of the rubber



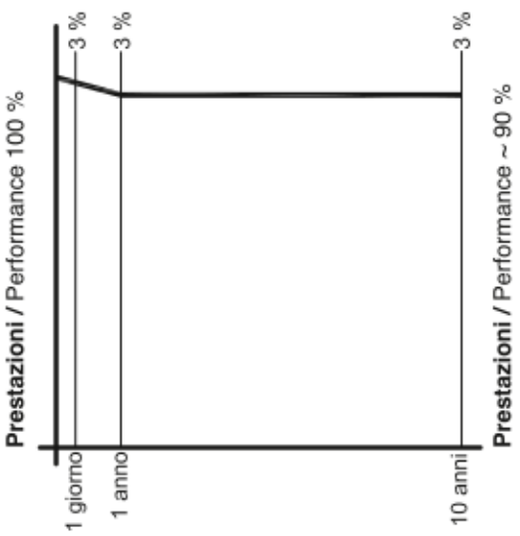
Room temperature

Temperature influence: service life (under normal conditions) ~ 10 years

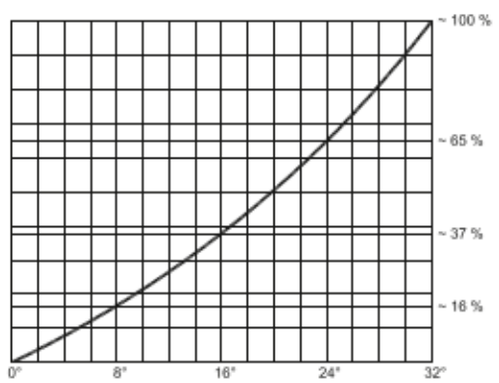


Room temperature

Temperature influence: torque reaction (N/m)



Could flow and setting



Torque determination “in percentage”

This chart is applicable to all type of: LTK-S, LTK-A, LTS, LTA

-

Example for determinating LTS 6-80 with torque M 215 with Nm a 32° (page 150)

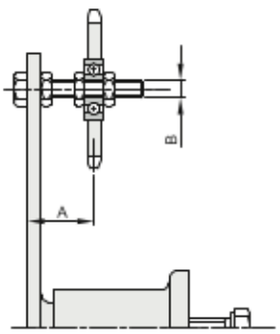
With an angle of 15° = 35% = ~ 75 Nm

With an angle of 22° = 56% = ~ 120 Nm

With an angle of 28° = 81% = ~ 174 Nm

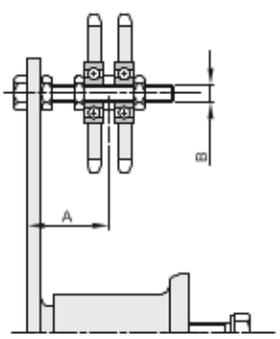
SIMPLE

Description	chain	ISO	teeth	A	B	Kg.
TEKS 3	3/8" x 7/32"	06B1	15	20 ÷ 50	M10	0,60
TEKS 3	1/2" x 5/16"	08B1	15	20 ÷ 50	M10	0,65
TEKS 5	5/8" x 3/8"	10B1	15	26 ÷ 67	M12	2,32
TEKS 5	3/4" x 7/16"	12B1	15	26 ÷ 67	M12	2,55
TEKS 6	1" x 17,02	16B1	13	37 ÷ 102	M20	5,00
TEKS 7	1"1/4 x 3/4"	20B1	13	39 ÷ 122	M20	8,55
TEKS 7	1"1/2 x 1"	24B1	11	39 ÷ 142	M20	8,90



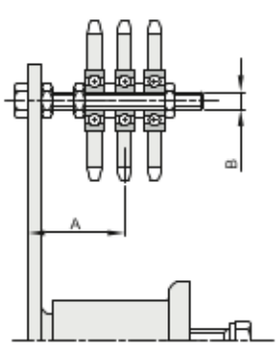
DOUBLE

Description	chain	ISO	teeth	A	B	Kg.
TEKS 3	3/8" x 7/32"	06B2	15	25 ÷ 44	M10	0,65
TEKS 4	1/2" x 5/16"	08B2	15	27 ÷ 43	M10	1,15
TEKS 5	5/8" x 3/8"	10B2	15	34 ÷ 59	M12	2,55
TEKS 5	3/4" x 7/16"	12B2	15	36 ÷ 57	M12	3,00
TEKS 6	1" x 17,02	16B2	13	52 ÷ 86	M20	5,80
TEKS 7	1"1/4 x 3/4"	20B2	13	57 ÷ 104	M20	10,10
TEKS 7	1"1/2 x 1"	24B2	11	63 ÷ 118	M20	10,75



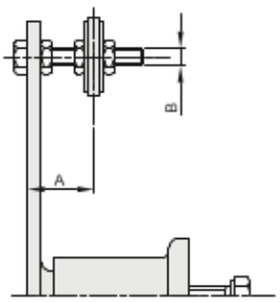
TRIPLE

Description	chain	ISO	teeth	A	B	Kg.
TEKS 4	3/8" x 7/32"	06B3	15	31 ÷ 39	M10	0,95
TEKS 5	1/2" x 5/16"	08B3	15	40 ÷ 53	M12	2,45
TEKS 6	5/8" x 3/8"	10B3	15	53 ÷ 85	M20	4,95
TEKS 6	3/4" x 7/16"	12B3	15	56 ÷ 83	M20	5,20
TEKS 7	1" x 17,02	16B3	13	70 ÷ 70	M20	9,40
TEKS 7	1"1/4 x 3/4"	20B3	13	75 ÷ 86	M20	11,70
TEKS 7	1"1/2 x 1"	24B3	11	87 ÷ 94	M20	12,70



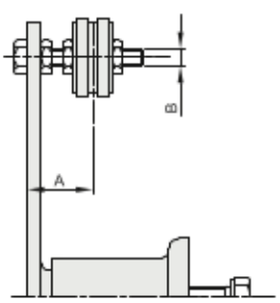
SIMPLE

Description	chain	ISO	A	B	Kg.
TECRS 2	3/8" x 7/32"	06B1	18 ÷ 35	M8	0,30
TECRS 3	1/2" x 5/16"	08B1	23 ÷ 45	M10	0,56
TECRS 4	5/8" x 3/8"	10B1	24 ÷ 44	M10	0,82
TECRS 5	3/4" x 7/16"	12B1	30 ÷ 60	M12	2,17

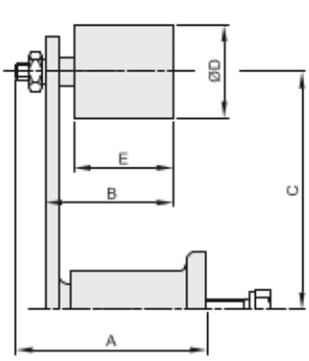


DOUBLE

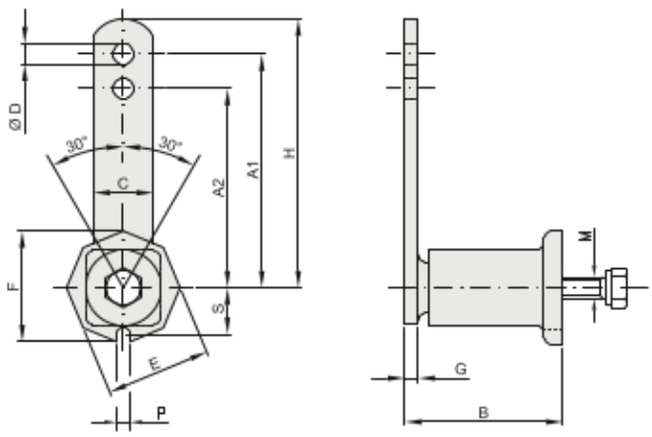
Description	chain	ISO	A	B	Kg.
TECRS 2	3/8" x 7/32"	06B2	25 ÷ 30	M8	0,32
TECRS 3	1/2" x 5/16"	08B2	30 ÷ 34	M10	0,60
TECRS 4	5/8" x 3/8"	10B2	34 ÷ 46	M10	0,90
TECRS 5	3/4" x 7/16"	12B2	40 ÷ 52	M12	2,31



Description	A	B	C	Ø D	E	Kg.
TERE 2	61	43	80	30	35	0,32
TERE 3	70	56	100	40	45	0,62
TERE 4	88	57	100	40	45	0,85
TERE 5	122	76	130	60	60	2,34
TERE 6	158	109	175	80	90	4,90
TERE 7	211	154	220	80	135	8,20



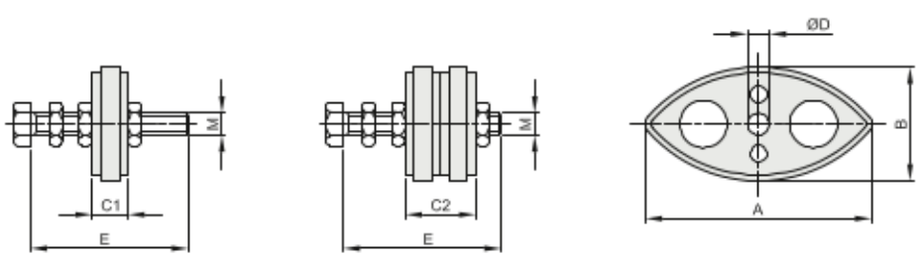
UNIVERSAL TENSIONERS TYPE "TE"



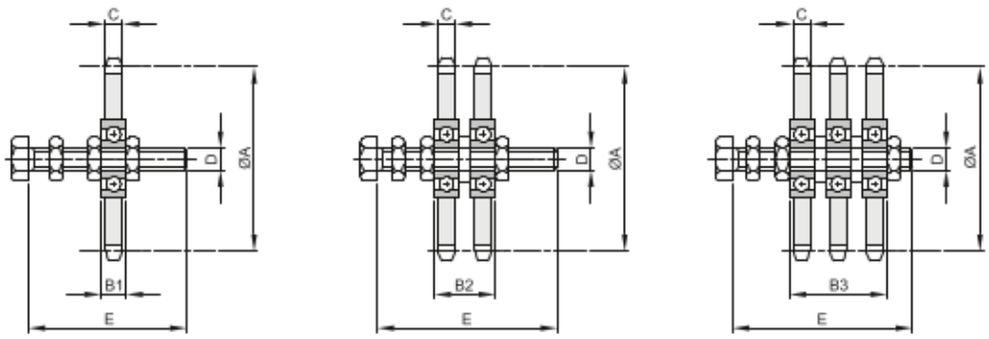
Description	A1	A2	B	C	Ø D	E	F	G	H	Max force in N. Torque in N ∡ 0 - 32° A1	A2	M	P	S	Kg.
TE 2	80	60	52	20	8,5	35	38	5	90	0 - 90	0 - 110	M 6	8	16,5	0,25
TE 3	100	80	63	25	10,5	46	48	5	115	0 - 140	0 - 170	M 8	8,5	19,5	0,45
TE 4	100	80	78	30	10,5	56	60	6	115	0 - 320	0 - 430	M10	8,5	24,5	0,68
TE 5	130	100	108	50	12,5	72	78	8	155	0 - 820	0 - 1050	M12	10,5	34	1,70
TE 6	175	140	145	60	20,5	93	100	10	205	0 - 1500	0 - 1880	M16	12,5	42	3,70
TE 7	220	175	198	70	20,5	106	114	12	255	0 - 2500	0 - 3200	M20	12,5	50	6,50

Description	A1	A2	B	C	Ø D	E	F	G	H	Max force in N. Torque in N ∡ 0 - 32° A1	A2	M	P	S	Kg.
TE 2 - INOX	80	60	52	20	8,5	35	38	5	90	0 - 90	0 - 110	M 6	8	16,5	0,25
TE 3 - INOX	100	80	63	25	10,5	46	48	5	115	0 - 140	0 - 170	M 8	8,5	19,5	0,45
TE 4 - INOX	100	80	78	30	10,5	56	60	6	115	0 - 320	0 - 430	M10	8,5	24,5	0,68
TE 5 - INOX	130	100	108	50	12,5	72	78	8	155	0 - 820	0 - 1050	M12	10,5	34	1,70

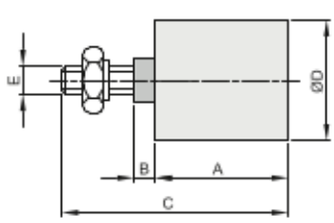
CHAINRIDER SET TYPE "CRS"



Description	chain	ISO	A	B	C1	C2	Ø D	M	E	simple Kg.	double Kg.
CRS 3/8"	3/8" x 7/32"	06B	74	40	10,2	20,4	8	M8	45	0,05	0,07
CRS 1/2"	1/2" x 5/16"	08B	96	50	13,9	27,8	10	M10	60	0,11	0,15
CRS 5/8"	5/8" x 3/8"	10B	125	55	16,5	33,0	10	M10	60	0,14	0,22
CRS 3/4"	3/4" x 7/16"	12B	147	80	19,5	39,0	12	M12	80	0,22	0,36



description	ISO	teeth	Ø A	B1	B2	B3	C	D	E	simple Kg.	double Kg.	triple Kg.
KS 3/8" x 7/32"	06B-1-2-3	15	45,81	9	19,2	29,4	5,7	M10	60	0,15	0,20	0,25
KS 1/2" x 5/16"	08B-1-2	15	61,08	9	22,9		7,2	M10	60	0,20	0,35	
KS 1/2" x 5/16"	08B-1-2-3	15	61,08	12	26,0	40,0	7,2	M12	80	0,23	0,45	0,50
KS 5/8" x 3/8"	10B-1-2-3	15	76,36	12	28,6	45,2	9,1	M12	80	0,37	0,60	0,95
KS 5/8" x 3/8"	10B-1-2-3	15	76,36	15	31,5	48,2	9,1	M20	120	0,70	1,00	1,25
KS 3/4" x 7/16"	12B-1-2	15	91,63	12	31,5		11,5	M12	80	0,60	1,05	
KS 3/4" x 7/16"	12B-1-2-3	15	91,63	15	34,5	54,0	11,5	M20	120	0,90	1,35	1,50
KS 1" x 17,02	16B-1-2-3	13	106,14	15	46,9	78,8	16,2	M20	120	1,30	2,10	2,90
KS 1 1/4" x 3/4"	20B-1-2-3	13	132,67	15	51,5	88,0	18,5	M20	140	2,05	3,60	5,20
KS 1 1/2" x 1"	24B-1-2-3	11	135,23	15	63,4	111,8	24,1	M20	160	2,40	4,25	6,20



description	A	B	C	Ø D	E	Kg.
RE 2	35	3	51	30	M8	0,07
RE 3	45	6	67	40	M10	0,17
RE 4	45	6	67	40	M10	0,17
RE 5	60	7,5	89	60	M12	0,39
RE 6	90	9	127	80	M20	1,20
RE 7	135	7	167	80	M20	1,70