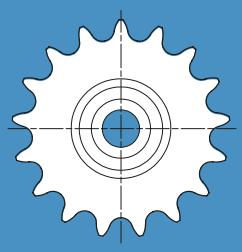
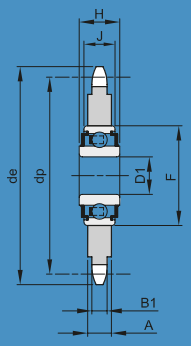
PIGNONI TENDICATENA COMPLETI DI CUSCINETTO A SFERE
CHAIN-STRETCHER SPROCKETS WITH BALL BEARING

I pignoni tendicatena vengono forniti pronti per il montaggio. Sono composti da una ruota dentata montata su un cuscinetto a sfere a doppio schermo di protezione che garantisce una maggiore resistenza all'usura. Il cuscinetto a sfere non richiede manutenzione. Le ruote sono in materiale C45 e dentate secondoriferimento DIN 8187, ISO 606.
I cuscinetti possono operare ad una temperatura da – 20° C a + 120° C .

Our chain-stretcher sprockets with ball bearing are supplied "ready for mounting". They consist of a toothed wheel mounted on a ball bearing with double protection shield that guarantee a high resistance against break-age and wear. Bearing requires no maintenance.
The wheels are in C45 steel and they are toothed according to DIN 8187, ISO 606.
The ball bearing can operate at a temperature from – 20° C to + 120° C.





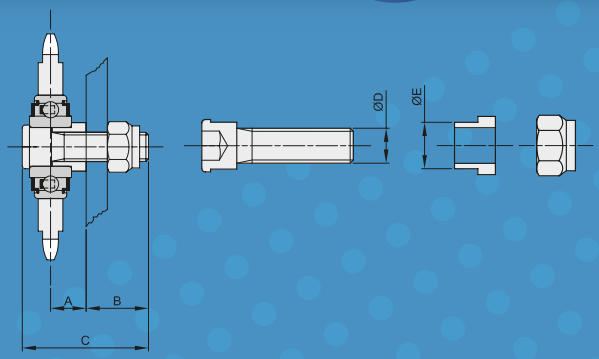
Materiale: Acciaio C45

Z	codice Nazionale	codice INA	passo	ISO	De	Dp	B1	A	D1	F	H	J	Kg.
23	364308023	361308023	8 x 1/8"	05B-1	62,2	58,75	2,8	7,0	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,13
21	364330021	361330021	3/8"x 7/32"	06B-1	67,6	63,91	5,3	5,3	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,15
22	364330022		3/8"x 7/32"	06B-1	70,6	66,93	5,3	5,3	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,16
18	364341018	361341018	1/2"x 1/8"	081-1	79,4	73,14	3,0	7,0	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,18
15	364342015		1/2"x 3/16"	083-1	67,4	61,09	4,5	7,0	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,16
16	364342016		1/2"x 3/16"	083-1	71,4	65,10	4,5	7,0	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,17
18	364342018	361342018	1/2"x 3/16"	083-1	79,4	73,14	4,5	7,0	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,20
14	364340014		1/2"x 5/16"	08B-1	61,9	57,07	7,2	7,2	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,13
16	364340016	361340016	1/2"x 5/16"	08B-1	69,9	65,10	7,2	7,2	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,17
18	364340018	361340018	1/2"x 5/16"	08B-1	78,0	73,14	7,2	7,2	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,22
14	364350014	361350014	5/8"x 3/8"	10B-1	78,2	71,34	9,1	9,1	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,23
15	364350015		5/8"x 3/8"	10B-1	83,2	76,36	9,1	9,1	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,27
17	364350017	361350017	5/8"x 3/8"	10B-1	93,3	86,39	9,1	9,1	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,36
13	364360013	361360013	3/4"x 7/16"	12B-1	87,8	79,59	11,1	11,1	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,34
15	364360015	361360015	3/4"x 7/16"	12B-1	99,8	91,63	11,1	11,1	16 $^{+0,26}_{+0,13}$	40	18,3	12	0,47
12	364380012	361380012	1" x 17,02	16B-1	109,7	98,14	16,2	16,2	20 $^{+0,10}_{-0}$	47	17,7	14	0,72
13	364400013	361400013	1" 1/4 x 3/4"	20B-1	147,7	132,67	18,5	18,5	25 $^{+0,10}_{-0}$	52	21,0	15	1,64

ELEMENTI DI FISSAGGIO PER PIGNONI TENDICATENA
LOCKING PARTS FOR CHAIN STRETCHER SPROCKETS

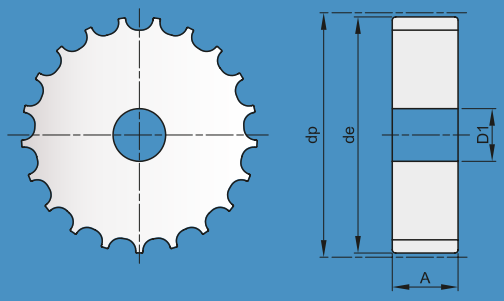
Gli Elementi di fissaggio per tendicatena sono stati realizzati per facilitare e velocizzare il montaggio del Pignone Tendicatena. Il set degli elementi è composto da: una vite con testa cava esagonale, una bussola per la guida del foro, un dado esagonale autobloccante.

The Locking Parts have been presented to make easier and faster the mounting of Chain Stretcher Sprockets. Elements set: Exagonal head screw, hole guide bush, self-locking exagonal nut.



descrizione	codice	A	B	C	ØD	ØE	Kg
EFT-1	364999991	15	25	52	M12	16	0,08
EFT-2	364999992	25	28	66	M16	20	0,16

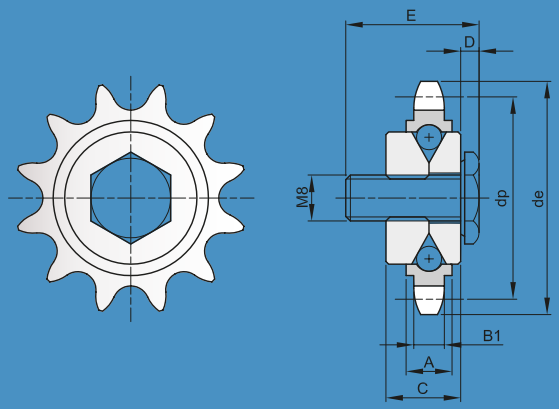
RUOTE PER CATENE A CERNIERA - DIN 8153
WHEELS FOR TABLE TOP CHAINS - DIN 8153



Materiale: Acciaio C45

Z	codice	passo	de	dp	D1	A	Kg.
15	351420015	1"1/2 (38,1)	92,9	93,7	16	43,5	1,86
17	351420017	1"1/2 (38,1)	104,7	105,5	16	43,5	2,34
19	351420019	1"1/2 (38,1)	116,6	117,3	16	43,5	3,10
21	351420021	1"1/2 (38,1)	129,7	129,2	20	43,5	3,79
23	351420023	1"1/2 (38,1)	141,6	141,2	20	43,5	4,46
25	351420025	1"1/2 (38,1)	153,6	153,2	20	43,5	5,50
27	351420027	1"1/2 (38,1)	165,6	165,2	20	43,5	6,31
29	351420029	1"1/2 (38,1)	177,7	177,2	20	43,5	7,31
31	351420031	1"1/2 (38,1)	189,7	189,3	20	43,5	8,63

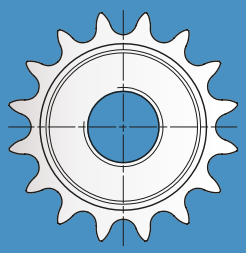
PIGNONI TENDICATENA CON SFERE E VITE DI FISSAGGIO
CHAIN-STRETCHER SPROCKETS WITH BALLS AND FASTENING BOLT

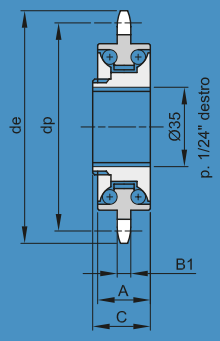


Materiale: Acciaio C45

Z	codice	passo	de	dp	A	B1	C	D	E	F	Kg.
12	371331012	3/8" x 5/32"	40	36,80	7	3,5	11,7	3	23	7,2	0,06
10	371341010	1/2" x 1/8"	46	41,10	7	3,0	11,7	3	23	7,2	0,06
10	371342010	1/2" x 3/16"	46	41,10	7	4,5	11,7	3	23	7,2	0,07

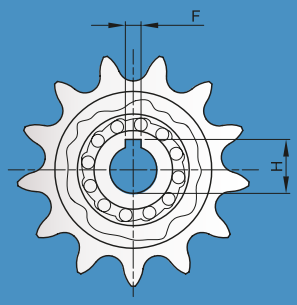
RUOTE LIBERE SEMPLICI
SIMPLEX FREE WHEELS

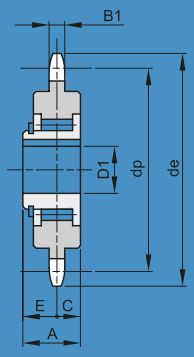




Z	codice	passo	de	dp	B1	A	C	Kg.
16	376341016	1/2" x 1/8"	71,4	65,10	3	14	15	0,14
18	376341018	1/2" x 1/8"	79,4	73,14	3	14	15	0,15

RUOTE LIBERE INDUSTRIALI
INDUSTRIAL FREE WHEELS



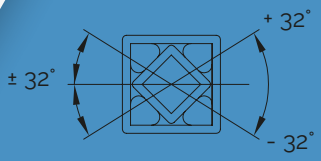


Materiale: Acciaio 18NiCrMo5 Cementato e Temperato

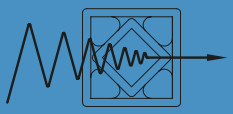
Z	codice	passo	de	dp	A	C	E	B1	D1	F	H	Kg.
13	376341013	1/2" x 1/8"	59,4	53,06	14,8	6	8,8	3	12	4	13,7	0,12

DATI TECNICI
TECHNICAL DATA

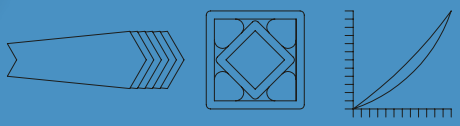
Caratteristiche del sistema elastico universale
Characteristics of the rubber suspension units



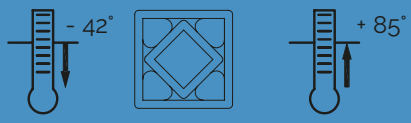
Ampio angolo d'azione
Large operating angle



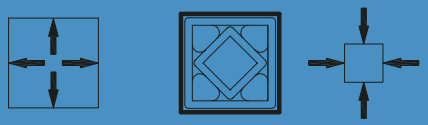
Riduzione di rumore e vibrazioni
Noise and vibrationdamping



Progressivaelasticità
Progressive springcharacteristics



Resistenza alletemperature
Resistant totemperature

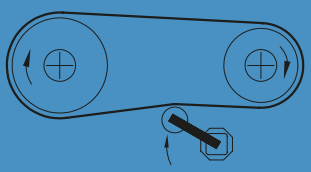


Sicurezza dell'utilizzo
Safe use in any position

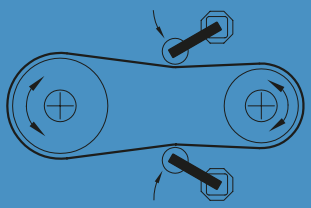
Non necessita di manutenzione
Maintenance free

Istruzioni per il corretto montaggio del tendicatena (TEKS) e dei tendicinghia (TERE)
Instructions for a proper mounting of the chain tensioner (TEKS)and of the belt tensioner (TERE)

ruota condotta
driven wheel

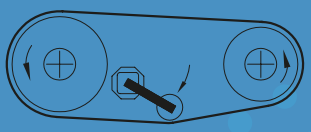


Tenditore sul lato lasco
Tensioner on the loose side



Con motore reversibilemontare 2 tendicatena
With reversible engine mount 2 tensioners

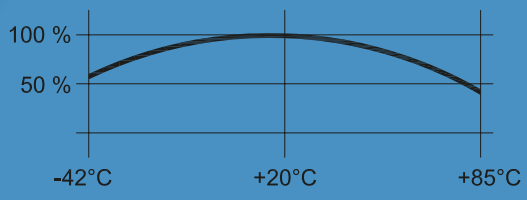
ruota condotta
driven wheel



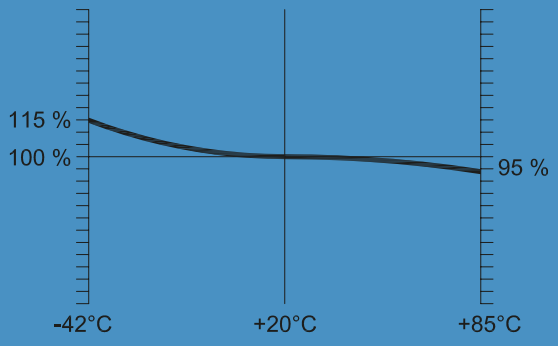
Montaggio con trasmissione a cinghia con profilo a V
Mounting with belt transmission with V profile

DATI TECNICI
TECHNICAL DATA

Caratteristiche della gomma
Characteristics of the rubber

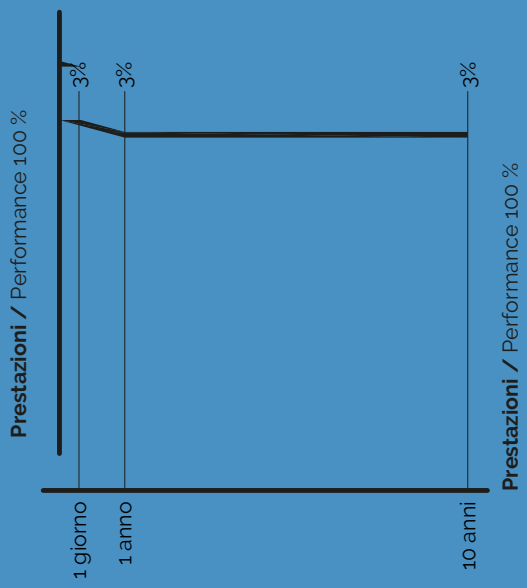


Temperatura ambiente
Room temperature



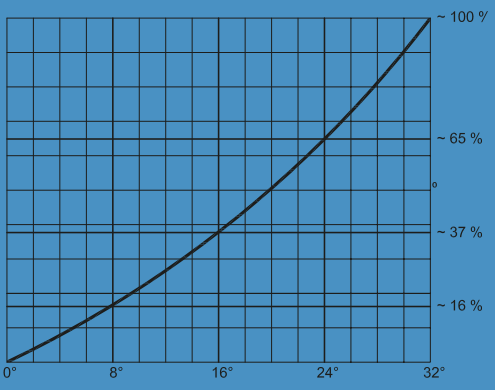
Temperatura ambiente
Room temperature

Durata in condizioni normali di temperatura ~ 10 anni
Temperature influence: service life (under normal conditions) ~ 10 years



Deformazioni e assestamento della gomma
Could flow and setting

Influenza della temperatura: coppia di reazione (N/m)
Temperature influence: torque reaction (N/m)



Determinazione della coppia "in percentuale"
Torque determination "in percentage"

Esempio per la determinazione LTS 6-80 con coppia M 215 in Nm a 32° (pag 150)
Example for determinating LTS 6-80 with torque M 215 with Nm a 32° (page 150)

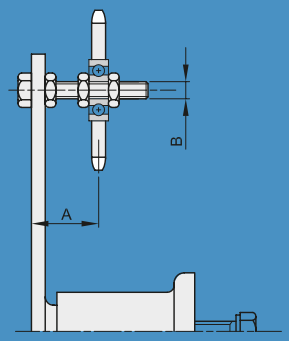
Con angolo di 15° = 35% = ~ 75 Nm
With an angle of 15° = 35% = ~ 75 Nm
Con angolo di 22° = 56% = ~ 120 Nm
With an angle of 22° = 56% = ~ 120 Nm
Con angolo di 28° = 81% = ~ 174 Nm
With an angle of 28° = 81% = ~ 174 Nm

Il grafico è applicabile per tutte le dimensioni dei tipi:
LTK-S, LTK-A, LTS, LTA
This chart is applicable to all type of: LTK-S, LTK-A, LTS, LTA

TENDICATENA UNIVERSALI TIPO “TEKS”
UNIVERSAL CHAIN TENSIONERS TYPE “TEKS”

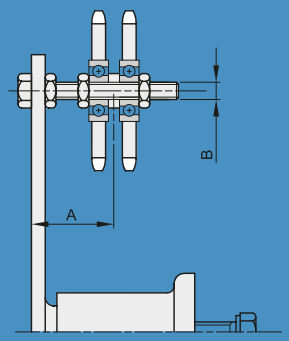
SEMPLICI

descrizione	catena	codice	ISO	denti	A	B	Kg.
TEKS 3	3/8" x 7/32"	6020110330	06B1	15	20 ÷ 50	M10	0,60
TEKS 3	1/2" x 5/16"	6020110340	08B1	15	20 ÷ 50	M10	0,65
TEKS 5	5/8" x 3/8"	6020110350	10B1	15	26 ÷ 67	M12	2,32
TEKS 5	3/4" x 7/16"	6020110360	12B1	15	26 ÷ 67	M12	2,55
TEKS 6	1" x 17,02	6020110380	16B1	13	37 ÷ 102	M20	5,00
TEKS 7	1"1/4 x 3/4"	6020110400	20B1	13	39 ÷ 122	M20	8,55
TEKS 7	1"1/2 x 1"	6020110420	24B1	11	39 ÷ 142	M20	8,90



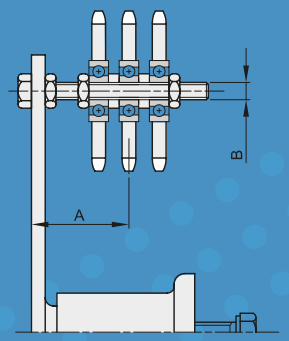
DOPPI

descrizione	catena	codice	ISO	denti	A	B	Kg.
TEKS 3	3/8"x7/32"	6020120330	06B2	15	25 ÷ 44	M10	0,65
TEKS 4	1/2"x5/16"	6020120340	08B2	15	27 ÷ 43	M10	1,15
TEKS 5	5/8"x3/8"	6020120350	10B2	15	34 ÷ 59	M12	2,55
TEKS 5	3/4"x7/16"	6020120360	12B2	15	36 ÷ 57	M12	3,00
TEKS 6	1"x17,02	6020120380	16B2	13	52 ÷ 86	M20	5,80
TEKS 7	1"1/4x3/4"	6020120400	20B2	13	57 ÷ 104	M20	10,10
TEKS 7	1"1/2x1"	6020120420	24B2	11	63 ÷ 118	M20	10,75



TRIPLI

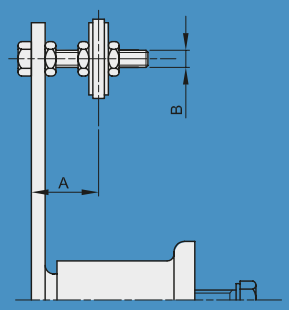
descrizione	catena	codice	ISO	denti	A	B	Kg.
TEKS 4	3/8"x7/32"	6020130330	06B3	15	31 ÷ 39	M10	0,95
TEKS 5	1/2"x5/16"	6020130340	08B3	15	40 ÷ 53	M12	2,45
TEKS 6	5/8"x3/8"	6020130350	10B3	15	53 ÷ 85	M20	4,95
TEKS 6	3/4"x7/16"	6020130360	12B3	15	56 ÷ 83	M20	5,20
TEKS 7	1"x17,02	6020130380	16B3	13	70 ÷ 70	M20	9,40
TEKS 7	1"1/4x3/4"	6020130400	20B3	13	75 ÷ 86	M20	11,70
TEKS 7	1"1/2x1"	6020130420	24B3	11	87 ÷ 94	M20	12,70



TENDICATENA UNIVERSALI TIPO “TECRS”
UNIVERSAL CHAIN TENSIONERS TYPE “TECRS”

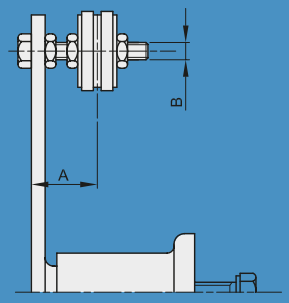
SEMPLICI

descrizione	catena	codice	ISO	A	B	Kg.
TECRS 2	3/8"x7/32"	6020210330	06B1	18 ÷ 35	M8	0,30
TECRS 3	1/2"x5/16"	6020210340	08B1	23 ÷ 45	M10	0,56
TECRS 4	5/8"x3/8"	6020210350	10B1	24 ÷ 44	M10	0,82
TECRS 5	3/4"x7/16"	6020210360	12B1	30 ÷ 60	M12	2,17



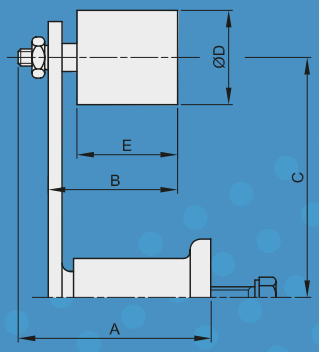
DOPPI

descrizione	catena	codice	ISO	A	B	Kg.
TECRS 2	3/8"x7/32"	6020220330	06B2	25 ÷ 30	M8	0,32
TECRS 3	1/2"x5/16"	6020220340	08B2	30 ÷ 34	M10	0,60
TECRS 4	5/8"x3/8"	6020220350	10B2	34 ÷ 46	M10	0,90
TECRS 5	3/4"x7/16"	6020220360	12B2	40 ÷ 52	M12	2,31

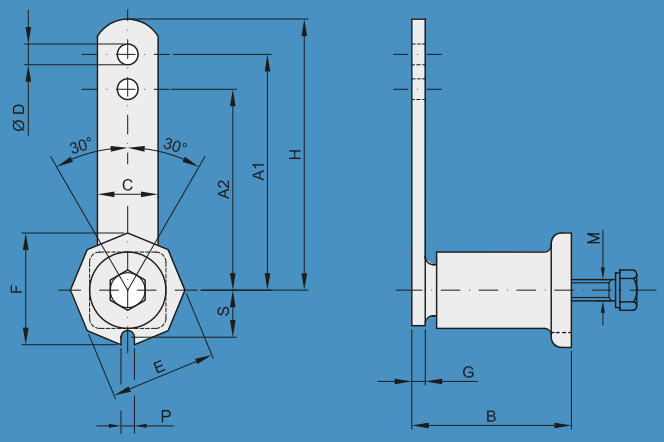


TENDICINGHIA UNIVERSALI TIPO “TERE”
UNIVERSAL BELT TENSIONERS TYPE “TERE”

descrizione	codice	A	B	C	ØD	E	Kg.
TERE 2	6020300301	61	43	80	30	35	0,32
TERE 3	6020300401	70	56	100	40	45	0,62
TERE 4	6020300402	88	57	100	40	45	0,85
TERE 5	6020300601	122	76	130	60	60	2,34
TERE 6	6020300801	158	109	175	80	90	4,90
TERE 7	6020300802	211	154	220	80	135	8,20



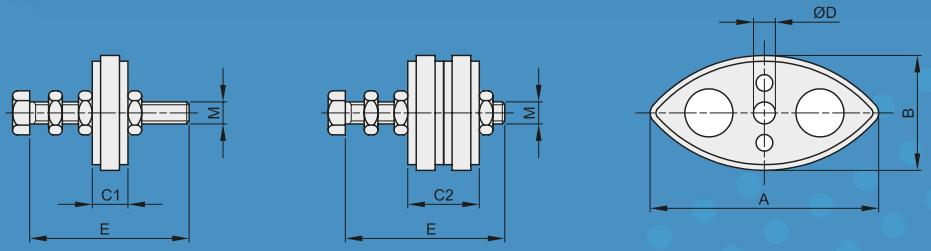
ELEMENTI TENDITORI UNIVERSALI TIPO “TE”
UNIVERSAL TENSIONERS TYPE “TE”



descrizione	codice	A1	A2	B	C	Ø D	E	F	G	H	Forza max in N Toque in N ∡ 0 - 32° A1	A2	M	P	S	Kg.
TE 2	6021000020	80	60	52	20	8,5	35	38	5	90	0 - 90	0 - 110	M 6	8	16,5	0,25
TE 3	6021000030	100	80	63	25	10,5	46	48	5	115	0 - 140	0 - 170	M 8	8,5	19,5	0,45
TE 4	6021000040	100	80	78	30	10,5	56	60	6	115	0 - 320	0 - 430	M10	8,5	24,5	0,68
TE 5	6021000050	130	100	108	50	12,5	72	78	8	155	0 - 820	0 - 1050	M12	10,5	34	1,70
TE 6	6021000060	175	140	145	60	20,5	93	100	10	205	0 - 1500	0 - 1880	M16	12,5	42	3,70
TE 7	6021000070	220	175	198	70	20,5	106	114	12	255	0 - 2500	0 - 3200	M20	12,5	50	6,50

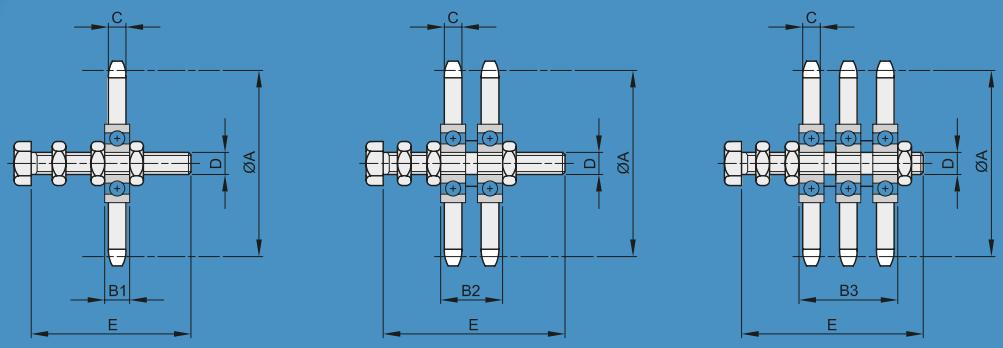
descrizione	codice	A1	A2	B	C	Ø D	E	F	G	H	Forza max in N Toque in N ∡ 0 - 32° A1	A2	M	P	S	Kg.
TE 2 - INOX	6021000120	80	60	52	20	8,5	35	38	5	90	0 - 90	0 - 110	M 6	8	16,5	0,25
TE 3 - INOX	6021000130	100	80	63	25	10,5	46	48	5	115	0 - 140	0 - 170	M 8	8,5	19,5	0,45
TE 4 - INOX	6021000140	100	80	78	30	10,5	56	60	6	115	0 - 320	0 - 430	M10	8,5	24,5	0,68
TE 5 - INOX	6021000150	130	100	108	50	12,5	72	78	8	155	0 - 820	0 - 1050	M12	10,5	34	1,70

PATTINI TENDICATENA TIPO “CRS”
CHAINRIDER SET TYPE “CRS”

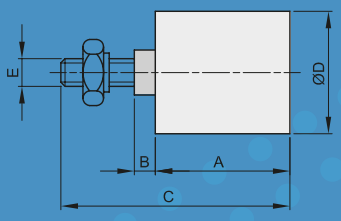


descrizione	catena	codice	ISO	A	B	C1	C2	Ø D	M	E	semplice Kg.	doppio Kg.
CRS 3/8"	3/8" x 7/32"	6023330000	06B	74	40	10,2	20,4	8	M8	45	0,05	0,07
CRS 1/2"	1/2" x 5/16"	6023340000	08B	96	50	13,9	27,8	10	M10	60	0,11	0,15
CRS 5/8"	5/8" x 3/8"	6023350000	10B	125	55	16,5	33,0	10	M10	60	0,14	0,22
CRS 3/4"	3/4" x 7/16"	6023360000	12B	147	80	19,5	39,0	12	M12	80	0,22	0,36

PIGNONI TENDICATENA TIPO “KS” - DIN 8187
SPROCKETS WHEELS TYPE “KS” - DIN 8187



descrizione	codice	ISO	denti	Ø A	B1	B2	B3	C	D	E	semplice Kg.	doppio Kg.	triplo Kg.
KS 3/8" x 7/32"	6022330151	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"	6022340151	08B-1-2	15	61,08	9	22,9		7,2	M10	60	0,20	0,35	
KS 1/2" x 5/16"	6022340152	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"	6022350151	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"	6022350152	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"	6022360151	12B-1-2	15	91,63	12	31,5		11,5	M12	80	0,60	1,05	
KS 3/4" x 7/16"	6022360152	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	6022380131	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"	6022400131	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"	6022420111	24B-1-2-3	11	135,23	15	63,4	111,8	24,1	M20	160	2,40	4,25	6,20

RULLI TENDICINGHIA TIPO “RE”
ROLLERSET TYPE “RE”

descrizione	codice	A	B	C	ØD	E	Kg.
RE 2	6023000301	35	3	51	30	M8	0,07
RE 3	6023000401	45	6	67	40	M10	0,17
RE 4	6023000401	45	6	67	40	M10	0,17
RE 5	6023000601	60	7,5	89	60	M12	0,39
RE 6	6023000801	90	9	127	80	M20	1,20
RE 7	6023000802	135	7	167	80	M20	1,70