



Articoli Tecnici Trasmissioni Industriali

A.T.T.I. srl - via Flli Cervi,3 - 20063 Cernusco S/N (Mi)
tel.0292106954 | fax: 0292107261 | email: info@atti.it

www.atti.it

PULEGGE DENTATE

PULEGGE DENTATE TAPER-LOCK®
TIPO H

pag. 29



PULEGGE DENTATE CON FORO INIZIALE

PER TRASMISSIONI SINCRONE

Nelle trasmissioni sincrone tramite elementi flessibili, le cinghie e le pulegge dentate occupano una posizione di rilevante interesse. Esse consentono di risolvere in modo efficiente ed in termini di assoluta convenienza economica problemi che diversamente avrebbero richiesto l'impiego di cinematismi ad ingranaggi o di trasmissioni con catene a maglie articolate.

Infatti le prestazioni offerte dalle trasmissioni sincrone a cinghia risultano analoghe a quelle tipiche sia delle catene che degli ingranaggi rispetto ai quali tuttavia presentano ulteriori vantaggi derivanti dalle loro caratteristiche costruttive.

Questa evidente versatilità di impiego, è sostanzialmente dovuta alle caratteristiche di funzionamento comuni a tutte le trasmissioni sincrone a cinghia dentata riassumibili nei termini che seguono:

- Trasmissione del moto assolutamente sincrona data la totale assenza di scorrimenti.
- Regolarità e costanza del moto dato che la cinghia dentata non presenta l'avvolgimento poligonale e la conseguente fluttuazione di velocità tipica delle trasmissioni a catena.
- Elevata inestensibilità della cinghia che trasmette il movimento in assenza di apprezzabili cedimenti e quindi senza perdite di moto (lost-motion).
- Modesta pretensione di montaggio non essendo richiesta aderenza tra la cinghia e la puleggia.
- Minimo carico radiale sugli alberi e sui rapporti.
- Elevata capacità di trasmissione della potenza e di coppie elevate a bassa velocità.
- Silenziosità, buon rendimento, minimo ingombro e ridotte esigenze di manutenzione.

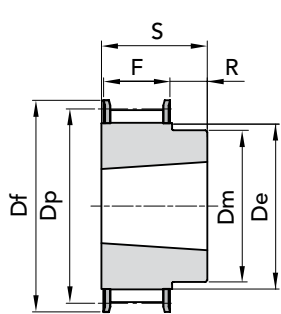
La qualità di una trasmissione sincrona, dipende in eguale misura dalle caratteristiche sia della cinghia che della puleggia che pertanto devono rispondere a criteri di progettazione e di costruzione severi.



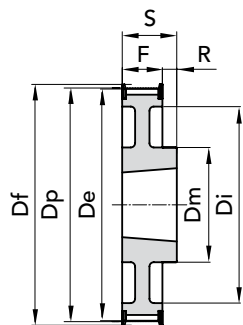


IDENTIFICAZIONE DELLA CODIFICA

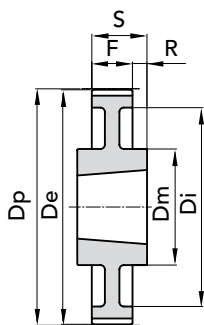
TL 30 - L 100		TL	Taper Lock
		30	N° denti
		L	passo cinghia
		100	larghezza cinghia in pollici



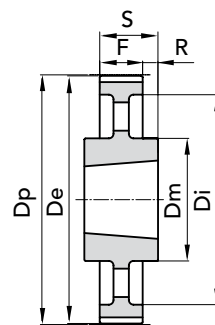
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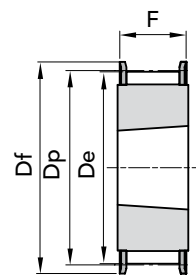
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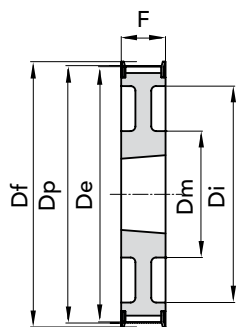
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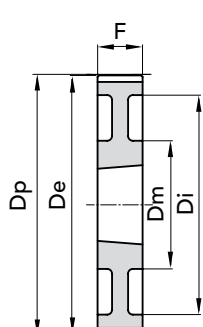
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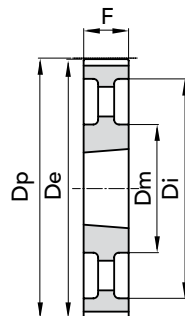
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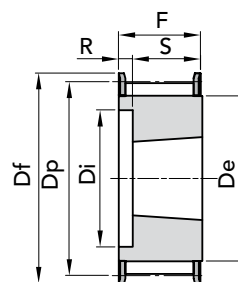
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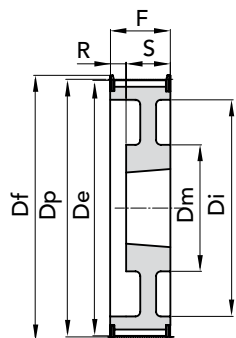
ESEC. 7



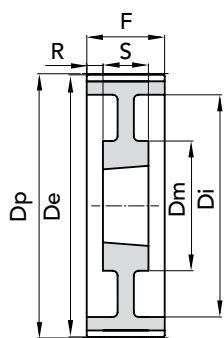
ESEC. 8



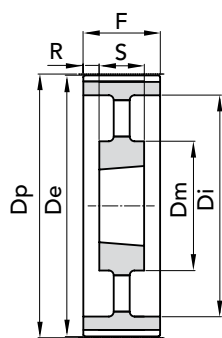
ESEC. 9F



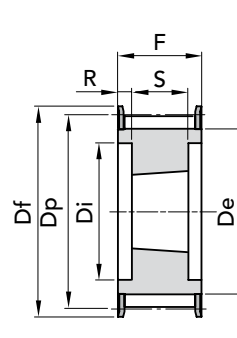
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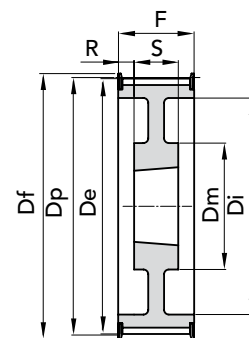
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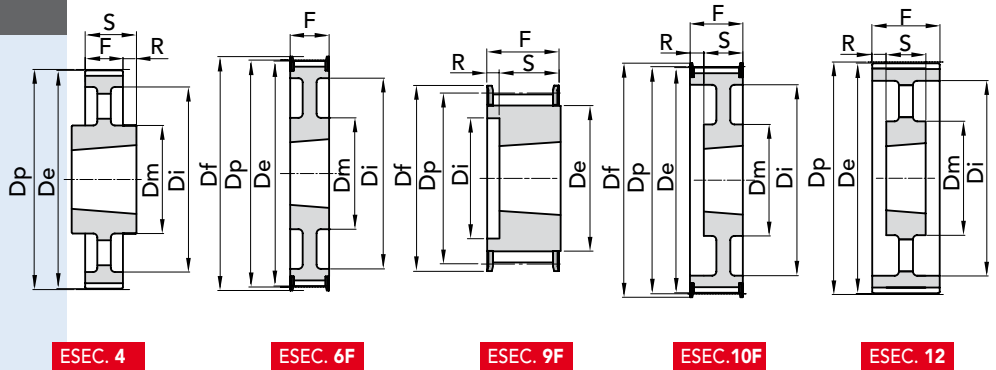
ESEC. 12



ESEC. 13F



ESEC. 14F


PER CINGHIE POSITIVE
TIPO H 100
PASSO 1/2" (12.7 mm)


ESEC. 4

ESEC. 6F

ESEC. 9F

ESEC. 10F

ESEC. 12

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df	Dm	Di	F	S	R	N.	Peso
							FLANGIA	MOZZO					FLANGIA	kg.
TL 16 H 100	43100416	9F	1108	28	64,68	63,31	70	-	45	31,0	22,0	9,0	61	0,42
TL 18 H 100	43100418	9F	1210	32	72,77	71,39	79	-	52	31,0	25,0	6,0	63	0,49
TL 19 H 100	43100419	9F	1210	32	76,81	74,44	82,5	-	56	31,0	25,0	6,0	64	0,62
TL 20 H 100	43100420	9F	1210	32	80,55	79,48	87	-	60	31,0	25,0	6,0	76	0,73
TL 21 H 100	43100421	9F	1210	32	84,89	83,52	91	-	64	32,0	25,0	7,0	66	0,8
TL 22 H 100	43100422	9F	1210	32	88,94	87,56	94	-	67	32,0	25,0	7,0	67	0,94
TL 23 H 100	43100423	9F	1610	42	92,98	91,61	97	-	70	32,0	25,0	7,0	68	0,97
TL 24 H 100	43100424	9F	1610	42	97,02	95,65	102	-	73,5	32,0	25,0	7,0	70	1,05
TL 25 H 100	43100425	9F	1610	42	101,06	99,69	106	-	77	32,0	25,0	7,0	71	1,1
TL 26 H 100	43100426	9F	1610	42	105,11	103,73	112	-	82	32,0	25,0	7,0	72	1,2
TL 27 H 100	43100427	9F	1610	42	109,15	107,78	115	-	85	32,0	25,0	7,0	74	1,35
TL 28 H 100	43100428	9F	1610	42	113,19	111,82	120	-	90,5	32,0	25,0	7,0	75	1,5
TL 30 H 100	43100430	9F	1610	42	121,28	119,90	128	-	98	32,0	25,0	7,0	78	1,78
TL 32 H 100	43100432	10F	1610	42	129,36	127,99	135	80	106	32,0	25,0	7,0	80	2,05
TL 36 H 100	43100436	10F	1610	42	145,53	144,16	150	92	121	32,0	25,0	7,0	85	2,8
TL 40 H 100	43100440	10F	1610	42	161,70	160,33	168	92	138	32,0	25,0	7,0	90	3,65
TL 44 H 100	43100444	6F	2012	50	177,87	176,50	184	106	152	32,0	32,0	-	95	3,86
TL 48 H 100	43100448	6F	2012	50	194,04	192,67	200	106	169	32,0	32,0	-	100	4,2
TL 60 H 100	43100460	12	2012	50	242,55	241,18	-	106	223	34,0	32,0	1,0	-	3,76
TL 72 H 100	43100472	12	2012	50	291,06	289,69	-	106	270	34,0	32,0	1,0	-	4,88
TL 84 H 100	43100484	12	2012	50	339,57	338,20	-	106	318	34,0	32,0	1,0	-	6,12
TL 96 H 100	43100496	4	2517	60	388,08	386,71	-	119	366	34,0	45,0	5,5	-	7,95
TL 120 H 100	43100520	4	2517	60	485,10	483,73	-	119	462	34,0	45,0	5,5	-	10,05

MATERIALE **ACCIAIO**
C 45 UNI 7845

MATERIALE **GHISA**
G 20 UNI 5007

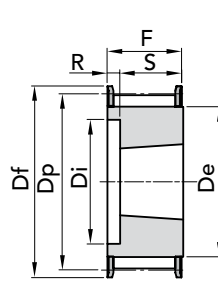




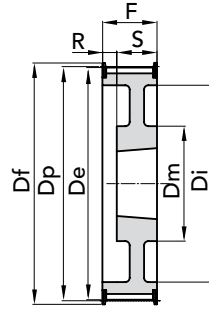
PER CINGHIE POSITIVE

TIPO H 150

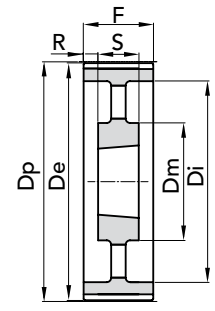
PASSO 1/2" (12.7 mm)



ESEC. 9F



ESEC. 10F



ESEC. 12

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 18 H 150	43150418	9F	1210	32	72,77	71,39	79	-	52	45,0	25,0	20,0	63	0,6
TL 19 H 150	43150419	9F	1210	32	76,81	74,44	82,5	-	56	45,0	25,0	20,0	64	0,72
TL 20 H 150	43150420	9F	1210	32	80,55	79,48	87	-	60	45,0	25,0	20,0	76	0,83
TL 21 H 150	43150421	9F	1210	32	84,89	83,52	91	-	64	45,0	25,0	20,0	66	1
TL 22 H 150	43150422	9F	1210	32	88,94	87,56	94	-	67	45,0	25,0	20,0	67	1,25
TL 23 H 150	43150423	9F	1610	42	92,98	91,61	97	-	70	45,0	25,0	20,0	68	1,05
TL 24 H 150	43150424	9F	1610	42	97,02	95,65	102	-	73,5	45,0	25,0	20,0	70	1,1
TL 25 H 150	43150425	9F	1610	42	101,06	99,69	106	-	77	45,0	25,0	20,0	71	1,3
TL 26 H 150	43150426	9F	1610	42	105,11	103,73	112	-	82	45,0	25,0	20,0	72	1,42
TL 27 H 150	43150427	9F	1610	42	109,15	107,78	115	-	85	45,0	25,0	20,0	74	1,65
TL 28 H 150	43150428	9F	1610	42	113,19	111,82	120	-	90,5	45,0	25,0	20,0	75	1,88
TL 30 H 150	43150430	9F	1610	42	121,28	119,90	128	-	98	45,0	25,0	20,0	78	2,05
TL 32 H 150	43150432	10F	1610	42	129,36	127,99	135	80	106	45,0	25,0	20,0	80	2,35
TL 36 H 150	43150436	10F	1610	42	145,53	144,16	150	92	121	45,0	25,0	20,0	85	3,2
TL 40 H 150	43150440	10F	1610	42	161,70	160,33	168	92	138	45,0	25,0	20,0	90	4,1
TL 44 H 150	43150444	10F	2012	50	177,87	176,50	184	106	152	45,0	32,0	13,0	95	4,5
TL 48 H 150	43150448	10F	2012	50	194,04	192,67	200	106	169	45,0	32,0	13,0	100	4,8
TL 60 H 150	43150460	12	2012	50	242,55	241,18	-	106	223	46,0	32,0	7,0	-	4,51
TL 72 H 150	43150472	12	2012	50	291,06	289,69	-	106	270	46,0	32,0	7,0	-	6,16
TL 84 H 150	43150484	12	2012	50	339,57	338,20	-	106	318	46,0	32,0	7,0	-	7,4
TL 96 H 150	43150496	12	2517	60	388,08	386,71	-	119	366	46,0	45,0	0,5	-	9,87
TL 120 H 150	43150520	12	2517	60	485,10	483,73	-	119	462	46,0	45,0	0,5	-	13,5

MATERIALE **ACCIAIO**
C 45 UNI 7845

MATERIALE **GHISA**
G 20 UNI 5007

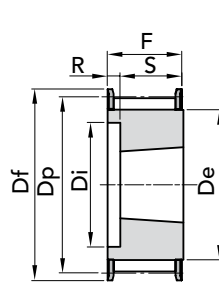
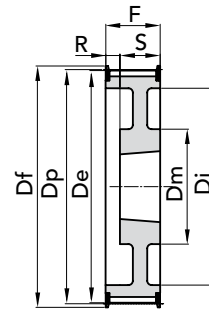
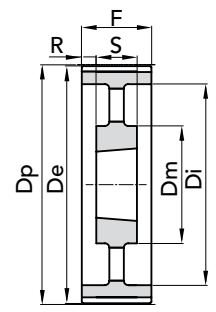




PER CINGHIE POSITIVE

TIPO **H 200**

PASSO 1/2" (12.7 mm)


ESEC. 9F

ESEC. 10F

ESEC. 12

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 18 H 200	43200418	9F	1210	32	72,77	71,39	79	-	52	58,0	25,0	33,0	63	0,84
TL 19 H 200	43200419	9F	1210	32	76,81	74,44	82,5	-	56	58,0	25,0	33,0	64	0,96
TL 20 H 200	43200420	9F	1610	42	80,55	79,48	87	-	60	58,0	25,0	33,0	76	0,93
TL 21 H 200	43200421	9F	1610	42	84,89	83,52	91	-	64	58,0	25,0	33,0	66	1,07
TL 22 H 200	43200422	9F	1610	42	88,94	87,56	94	-	67	58,0	25,0	33,0	67	1,25
TL 23 H 200	43200423	9F	1610	42	92,98	91,61	97	-	70	58,0	25,0	33,0	68	1,4
TL 24 H 200	43200424	9F	1610	42	97,02	95,65	102	-	73,5	58,0	25,0	33,0	70	1,55
TL 25 H 200	43200425	9F	1610	42	101,06	99,69	106	-	77	58,0	25,0	33,0	71	1,71
TL 26 H 200	43200426	9F	1610	42	105,11	103,73	112	-	82	58,0	25,0	33,0	72	1,84
TL 27 H 200	43200427	9F	1610	42	109,15	107,78	115	-	85	58,0	25,0	33,0	74	2,06
TL 28 H 200	43200428	9F	1610	42	113,19	111,82	120	-	90,5	58,0	25,0	33,0	75	2,17
TL 30 H 200	43200430	9F	1610	42	121,28	119,90	128	-	98	58,0	25,0	33,0	78	2,6
TL 32 H 200	43200432	9F	2012	50	129,36	127,99	135	80	106	58,0	32,0	26,0	80	2,95
TL 36 H 200	43200436	10F	2012	50	145,53	144,16	150	92	121	58,0	32,0	26,0	85	3,62
TL 40 H 200	43200440	10F	2012	50	161,70	160,33	168	92	138	58,0	32,0	26,0	90	4,33
TL 44 H 200	43200444	10F	2012	50	177,87	176,50	184	106	152	58,0	32,0	26,0	95	5,33
TL 48 H 200	43200448	10F	2517	60	194,04	192,67	200	106	168	58,0	45,0	13,0	100	6,47
TL 60 H 200	43200460	12	2517	60	242,55	241,18	-	106	223	60,0	45,0	7,5	-	5,86
TL 72 H 200	43200472	12	2517	60	291,06	289,69	-	106	270	60,0	45,0	7,5	-	7,42
TL 84 H 200	43200484	12	2517	60	339,57	338,20	-	106	320	60,0	45,0	7,5	-	8,73
TL 96 H 200	43200496	12	2517	60	388,08	386,71	-	119	366	60,0	45,0	7,5	-	10,83
TL 120 H 200	43200520	12	2517	60	485,10	483,73	-	119	462	60,0	45,0	7,5	-	14,95

MATERIALE **ACCIAIO**
C 45 UNI 7845

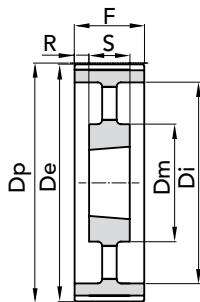
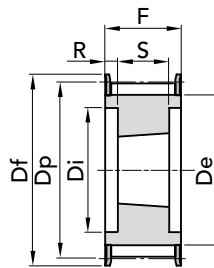
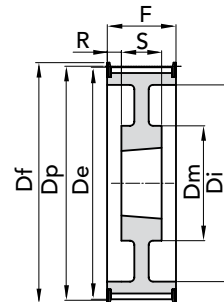
MATERIALE **GHISA**
G 20 UNI 5007





PULEGGE DENTATE TAPER LOCK® "FOSFATATE"

37

PER CINGHIE POSITIVE**TIPO H 300****PASSO 1/2" (12.7 mm)****ESEC. 12****ESEC. 13F****ESEC. 14F**

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 20 H 300	43300420	13F	1615	42	80,85	79,48	87	-	64,5	84,0	38,0	23,0	76	1,22
TL 21 H 300	43300421	13F	1615	42	84,89	83,52	91	-	65	84,0	38,0	23,0	66	1,52
TL 22 H 300	43300422	13F	1615	42	88,94	87,56	94	-	67	84,0	38,0	23,0	67	1,8
TL 23 H 300	43300423	13F	1615	42	92,98	91,61	97	-	70	84,0	38,0	23,0	68	2,04
TL 24 H 300	43300424	13F	1615	42	97,02	95,65	102	-	73,5	84,0	38,0	23,0	70	2,29
TL 25 H 300	43300425	13F	1615	42	101,06	99,69	106	-	77	84,0	38,0	23,0	71	2,54
TL 26 H 300	43300426	13F	1615	42	105,11	103,73	112	-	82	84,0	38,0	23,0	72	2,73
TL 27 H 300	43300427	13F	2012	50	109,15	107,78	115	-	85	84,0	32,0	26,0	74	2,54
TL 28 H 300	43300428	13F	2012	50	113,19	111,82	120	-	90,5	84,0	32,0	26,0	75	2,68
TL 30 H 300	43300430	13F	2517	60	121,28	119,90	128	-	98	84,0	32,0	26,0	78	3,21
TL 32 H 300	43300432	13F	2517	60	129,36	127,99	135	-	106	84,0	45,0	19,5	80	3,58
TL 36 H 300	43300436	13F	2517	60	145,53	144,16	150	-	121	84,0	45,0	19,5	85	4,99
TL 40 H 300	43300440	13F	2517	60	161,70	160,33	168	-	138	84,0	45,0	19,5	90	6,5
TL 44 H 300	43300444	14F	2517	60	177,87	176,50	184	119	150	86,0	45,0	20,5	95	7,55
TL 48 H 300	43300448	14F	2517	60	194,04	192,67	200	119	165	86,0	45,0	20,5	100	8,66
TL 60 H 300	43300460	12	2517	60	242,55	241,18	-	119	223	86,0	45,0	20,5	-	7,42
TL 72 H 300	43300472	12	2517	60	291,06	289,69	-	119	270	86,0	45,0	20,5	-	9,33
TL 84 H 300	43300484	12	2517	60	339,57	338,20	-	119	320	86,0	45,0	20,5	-	11,19
TL 96 H 300	43300496	12	3030	75	388,08	386,71	-	150	362	86,0	76,0	5,0	-	17,96
TL 120 H 300	43300520	12	3030	75	485,10	483,73	-	150	460	86,0	76,0	5,0	-	22,23

MATERIALE **ACCIAIO**
C 45 UNI 7845

MATERIALE **GHISA**
G 20 UNI 5007

**PULEGGE DENTATE TAPER LOCK® PER CINGHIE POSITIVE "FOSFATATE" H 300**