



Articoli Tecnici Trasmissioni Industriali

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PULEGGE DENTATE

**PULEGGE DENTATE TAPER-LOCK®
TIPO L**

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.

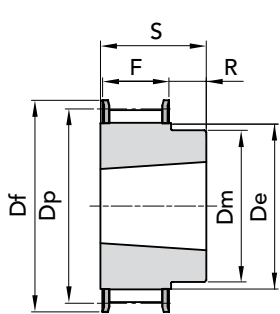
La qualità di una trasmissione sincrona, dipende in eguale misura dalle caratteristiche sia della cinghia che della puleggia che pertanto devono rispondere a criteri di progettazione e di costruzione severi.



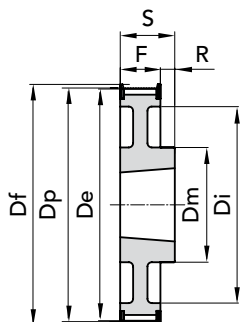


IDENTIFICAZIONE DELLA CODIFICA

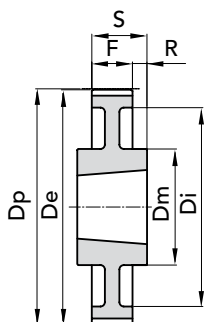
TL 30 - L 100		TL	Taper Lock
		30	N° denti
		L	passo cinghia
		100	larghezza cinghia in pollici



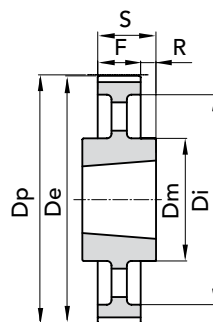
ESEC. 1F



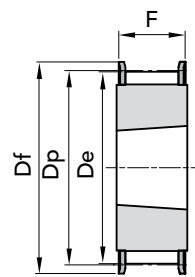
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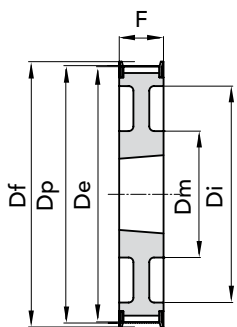
ESEC. 3



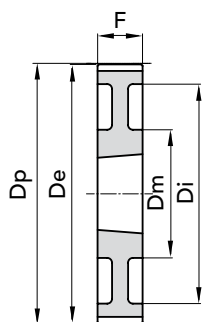
ESEC. 4



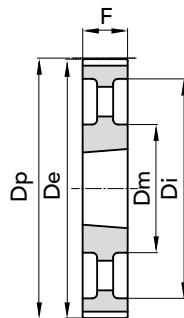
ESEC. 5F



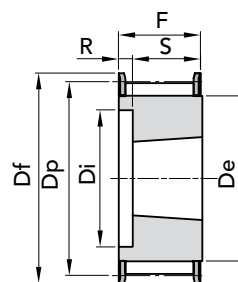
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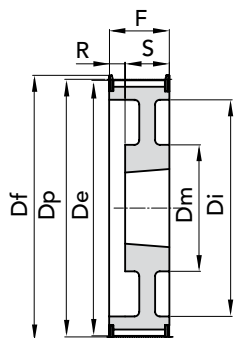
ESEC. 7



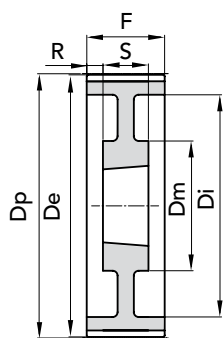
ESEC. 8



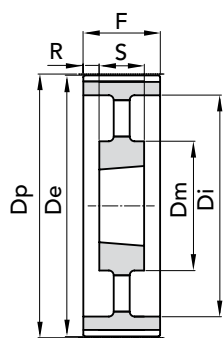
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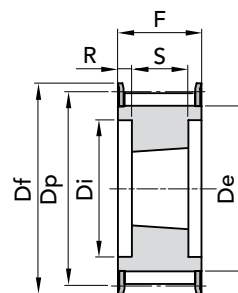
ESEC. 10F



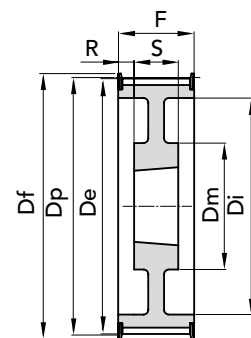
ESEC. 11



ESEC. 12



ESEC. 13F



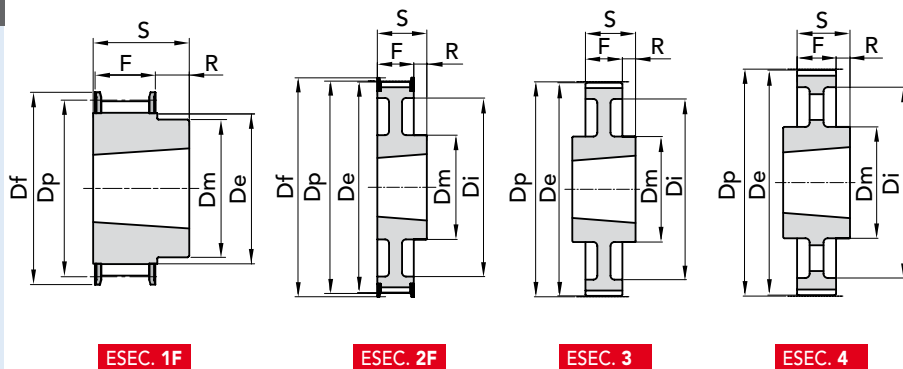
ESEC. 14F



PER CINGHIE POSITIVE

TIPO L 050

PASSO 3/8" (9.52 mm)



ESEC. 1F

ESEC. 2F

ESEC. 3

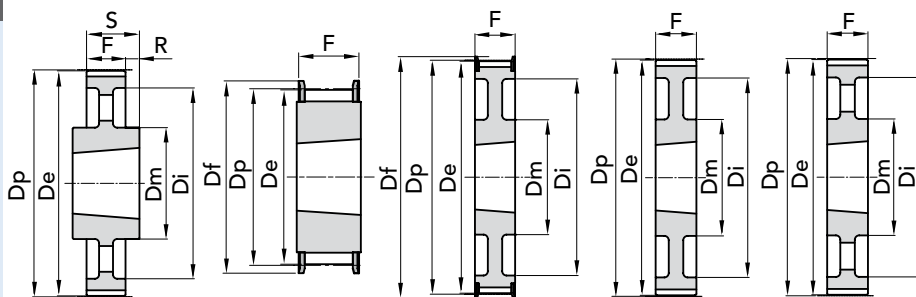
ESEC. 4

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 18 L 050	42050418	1F	1108	28	54,57	53,81	60	45,00	-	19,0	22,0	3,0	58	0,2
TL 19 L 050	42050419	1F	1108	28	57,61	56,84	64	45	-	19,0	22,0	3,0	59	0,23
TL 20 L 050	42050420	1F	1108	28	60,64	59,88	66,5	48	-	19,0	22,0	3,0	60	0,27
TL 21 L 050	42050421	1F	1108	28	63,67	62,91	70	48	-	19,0	22,0	3,0	61	0,3
TL 22 L 050	42050422	1F	1108	28	66,70	65,94	75	51	-	19,0	22,0	3,0	62	0,34
TL 23 L 050	42050423	1F	1108	28	69,73	68,97	79	54	-	19,0	22,0	3,0	63	0,4
TL 24 L 050	42050424	1F	1108	28	72,77	72,00	79	54	-	19,0	22,0	3,0	63	0,45
TL 25 L 050	42050425	1F	1108	28	75,80	75,04	82,5	56	-	19,0	22,0	3,0	64	0,5
TL 26 L 050	42050426	1F	1108	28	78,83	78,07	86	60	-	19,0	22,0	3,0	65	0,55
TL 27 L 050	42050427	1F	1108	28	81,86	81,10	86	62	-	19,0	22,0	3,0	65	0,6
TL 28 L 050	42050428	1F	1108	28	84,89	84,13	91	65	-	19,0	22,0	3,0	66	0,65
TL 30 L 050	42050430	1F	1108	28	90,96	90,20	97	70	-	19,0	22,0	3,0	68	0,8
TL 32 L 050	42050432	1F	1108	28	97,02	96,26	102	74	-	19,0	22,0	3,0	70	0,98
TL 36 L 050	42050436	1F	1108	28	109,15	108,39	115	85	-	19,0	22,0	3,0	74	1,2
TL 40 L 050	42050440	1F	1610	42	121,28	120,51	128	97	-	19,0	25,0	6,0	78	1,4
TL 44 L 050	42050444	2F	1610	42	133,40	132,64	142	88	110	19,0	25,0	6,0	81	
TL 48 L 050	42050448	2F	1610	42	145,53	147,77	150	88	120	19,0	25,0	6,0	85	2,3
TL 60 L 050	42050460	3	1610	42	181,91	181,15	-	92	166	19,0	25,0	3,0	-	2,2
TL 72 L 050	42050472	4	1610	42	218,30	217,53	-	92	202	19,0	25,0	3,0	-	2,1
TL 84 L 050	42050484	4	1610	42	254,68	253,90	-	92	236	19,0	25,0	3,0	-	2,46
TL 96 L 050	42050496	4	2012	50	291,06	290,30	-	106	270	19,0	32,0	6,5	-	3,36
TL 120 L 050	42050520	4	2012	50	363,83	363,07	-	106	343	19,0	32,0	6,5	-	4,44

MATERIALE **ACCIAIO**
C 45 UNI 7845

MATERIALE **GHISA**
G 20 UNI 5007




PER CINGHIE POSITIVE
TIPO L 075
PASSO 3/8" (9.52 mm)


ESEC. 4

ESEC. 5F

ESEC. 6F

ESEC. 7

ESEC. 8

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 18 L 075	42075418	5F	1108	28	54,57	53,81	60	-	-	25,0	25,0	-	58	0,25
TL 19 L 075	42075419	5F	1108	28	57,61	56,84	64	-	-	25,0	25,0	-	59	0,32
TL 20 L 075	42075420	5F	1108	28	60,64	59,88	66,5	-	-	25,0	25,0	-	60	0,35
TL 21 L 075	42075421	5F	1108	28	63,67	62,91	70	-	-	25,0	25,0	-	61	0,40
TL 22 L 075	42075422	5F	1108	28	66,70	65,94	75	-	-	25,0	25,0	-	62	0,44
TL 23 L 075	42075423	5F	1108	28	69,73	68,97	79	-	-	25,0	25,0	-	63	0,48
TL 24 L 075	42075424	5F	1108	28	72,77	72,00	79	-	-	25,0	25,0	-	63	0,55
TL 25 L 075	42075425	5F	1108	28	75,80	75,04	82,5	-	-	25,0	25,0	-	64	0,63
TL 26 L 075	42075426	5F	1108	28	78,83	78,07	86	-	-	25,0	25,0	-	65	0,66
TL 27 L 075	42075427	5F	1108	28	81,86	81,10	86	-	-	25,0	25,0	-	65	0,70
TL 28 L 075	42075428	5F	1108	28	84,89	84,13	91	-	-	25,0	25,0	-	66	0,72
TL 30 L 075	42075430	5F	1108	28	90,96	90,20	97	-	-	25,0	25,0	-	68	0,93
TL 32 L 075	42075432	5F	1108	28	97,02	96,26	102	-	-	25,0	25,0	-	70	1,10
TL 36 L 075	42075436	5F	1610	42	109,15	108,39	115	-	-	25,0	25,0	-	74	1,20
TL 40 L 075	42075440	5F	1610	42	121,28	120,51	128	-	-	25,0	25,0	-	78	1,70
TL 44 L 075	42075444	6F	1610	42	133,40	132,64	142	90	110	25,0	25,0	-	81	
TL 48 L 075	42075448	6F	1610	42	145,53	147,77	150	92	120	25,0	25,0	-	85	2,60
TL 60 L 075	42075460	7	1610	42	181,91	181,15	-	92	166	25,0	25,0	-	-	3,00
TL 72 L 075	42075472	8	1610	42	218,30	217,53	-	92	202	25,0	25,0	-	-	2,33
TL 84 L 075	42075484	4	2012	50	254,68	253,90	-	106	236	25,0	32,0	3,5	-	3,55
TL 96 L 075	42075496	4	2012	50	291,06	290,30	-	106	270	25,0	32,0	3,5	-	3,95
TL 120 L 075	42075520	4	2012	50	363,83	363,07	-	106	343	25,0	32,0	3,5	-	5,61

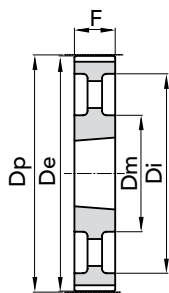
**MATERIALE ACCIAIO
C 45 UNI 7845**
**MATERIALE GHISA
G 20 UNI 5007**



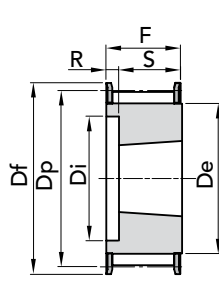

PER CINGHIE POSITIVE

TIPO L 100

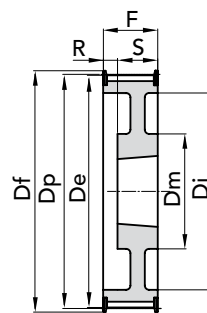
PASSO 3/8" (9.52 mm)



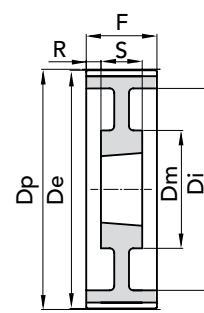
ESEC. 8



ESEC. 9F



ESEC. 10F



ESEC. 11

TIPO	CODICE	ESEC.	BUSS.	Foro MAX	Dp	De	Df FLANGIA	Dm MOZZO	Di	F	S	R	N. FLANGIA	Peso kg.
TL 18 L 100	42100418	9F	1108	28	54,57	53,81	60	-	38	31,0	22,0	9,0	58	0,2
TL 19 L 100	42100419	9F	1108	28	57,61	56,84	64	-	38	31,0	22,0	9,0	59	0,32
TL 20 L 100	42100420	9F	1108	28	60,64	59,88	66,5	-	45	31,0	22,0	9,0	60	0,41
TL 21 L 100	42100421	9F	1108	28	63,67	62,91	70	-	45	31,0	22,0	9,0	61	0,45
TL 22 L 100	42100422	9F	1108	28	66,70	65,94	75	-	48	31,0	22,0	9,0	62	0,47
TL 23 L 100	42100423	9F	1108	28	69,73	68,97	79	-	52	32,0	22,0	10,0	63	0,5
TL 24 L 100	42100424	9F	1108	28	72,77	72,00	79	-	52	32,0	22,0	10,0	63	0,64
TL 25 L 100	42100425	9F	1108	28	75,80	75,04	83	-	54	32,0	22,0	10,0	64	0,68
TL 26 L 100	42100426	9F	1108	28	78,83	78,07	86	-	60	32,0	22,0	10,0	65	0,7
TL 27 L 100	42100427	9F	1108	28	81,86	81,10	86	-	60	32,0	22,0	10,0	65	0,83
TL 28 L 100	42100428	9F	1108	28	84,89	84,13	91	-	65	32,0	22,0	10,0	66	0,85
TL 30 L 100	42100430	9F	1210	32	90,96	90,20	97	-	71	32,0	25,0	7,0	68	0,9
TL 32 L 100	42100432	9F	1210	32	97,02	96,26	102	-	75	32,0	25,0	7,0	70	1,05
TL 36 L 100	42100436	9F	1610	42	109,15	108,39	115	-	86	32,0	25,0	7,0	74	1,4
TL 40 L 100	42100440	9F	1610	42	121,28	120,51	128	-	96	32,0	25,0	7,0	78	1,65
TL 44 L 100	42100444	10F	1610	42	133,40	132,64	142	90	110	32,0	25,0	7,0	81	-
TL 48 L 100	42100448	10F	1610	42	145,53	147,77	150	92	120	32,0	25,0	7,0	85	2,8
TL 60 L 100	42100460	11	1610	42	181,91	181,15	-	92	166	32,0	25,0	3,5	-	2,7
TL 72 L 100	42100472	8	2012	50	218,30	217,53	-	92	202	32,0	32,0	-	-	2,96
TL 84 L 100	42100484	8	2012	50	254,68	253,90	-	106	236	32,0	32,0	-	-	3,87
TL 96 L 100	42100496	8	2012	50	291,06	290,30	-	106	270	32,0	32,0	-	-	4,64
TL 120 L 100	42100520	8	2012	50	363,83	363,07	-	106	343	32,0	32,0	-	-	6,37

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