STAGNOLI®
THERMOPLASTIC GEARS

CATALOGUE OF THERMOPLASTIC GEARS

STAGNOLI®
THERMOPLASTIC GEARS

Sommario

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NON CI SONO SEGRETI PER IL SUCCESSO. È IL RISULTATO DEL DURO LAVORO

THERE ARE NO SECRETS TO SUCCESS. IT IS THE RESULT OF HARD WORK

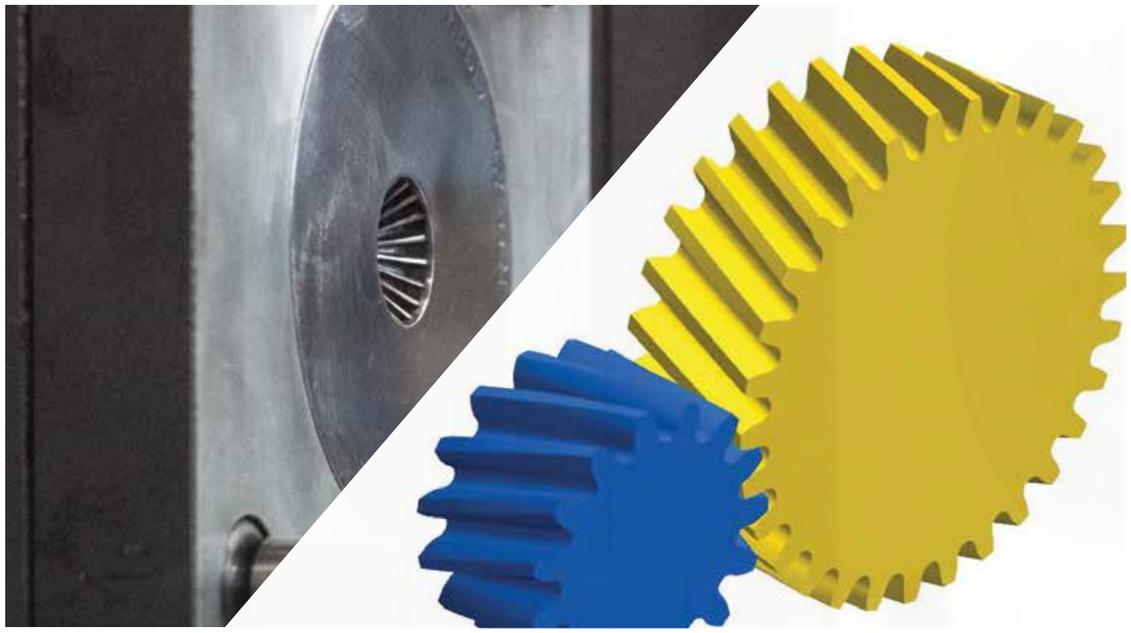
Chi siamo. Cosa produciamo.

Per la sua produzione standard Stagnoli T.G.® ha scelto il NYLON 6 al 30% fibra di vetro, colore grigio metallizzato. Le sue caratteristiche tecnico/meccaniche sono: tenacia ed elevata resistenza alla torsione, resistenza alle sostanze chimiche, elevata stabilità dimensionale, elevata resistenza all'usura. I tecnici qualificati della Stagnoli T.G.® si prendono cura del Vostro prodotto dal disegno fino alla sua completa realizzazione in una realtà produttiva tecnologicamente all'avanguardia. Il piano di controllo qualità, che definisce la verifica di ogni fase di lavorazione, garantisce la costante attuazione delle Vostre specifiche, grazie all'uso delle aggiornate apparecchiature di collaudo di cui la ditta Stagnoli T.G.® è dotata.

Stagnoli T.G.®, operante nel settore dal 1981, è oggi in grado di produrre una vasta gamma di ingranaggi in materiale termoplastico senza limite alcuno. Costanza, tenacia e continua ricerca hanno contribuito a fare di questo nome un preciso e sicuro riferimento per numerosi clienti italiani e stranieri.

I punti di forza degli organi di trasmissione in materiale termoplastico Stagnoli sono molti, partendo dalla possibilità di customizzazione dei prodotti standard, fino ad arrivare allo sviluppo di nuovi organi, ingranaggi cilindrici, conici, pulegge e molto altro, tramite lo studio e la progettazione interna secondo specifico disegno del cliente.

Stagnoli dispone di un vasto parco macchine per stampaggio ad iniezione di materiali termoplastici, possiamo stampare organi di trasmissione con masse da 0, a 1500 gr, e con diametri che possono superare i 290mm. Il know how acquisito grazie ad una costante ricerca, ci permette di utilizzare svariati materiali, per soddisfare tutte le esigenze del cliente, dal PA6 al PEEK, passando per i Poliuretani, Polipropilene, Resine acetaliche, PPA, PPS, PARA e moltissimi altri.



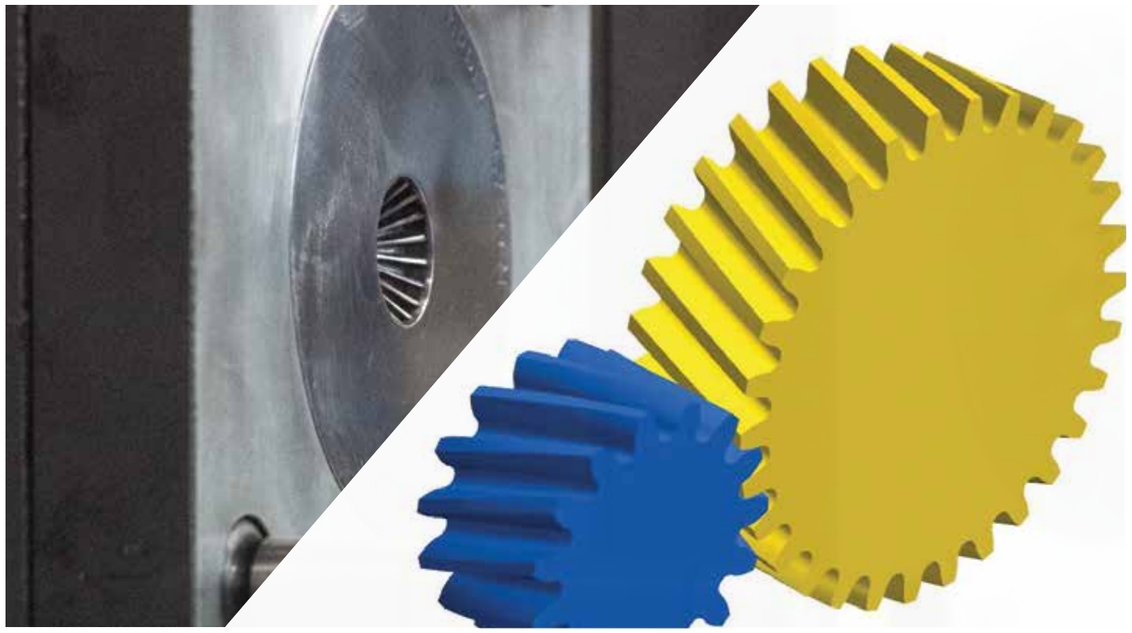
About us. What we produce.

The standard material chosen by Stagnoli T.G.® for its products is NYLON 6 with 30% of glass fibre, colour: metallized grey. Its technical and mechanical characteristics are hardness, great resistance to wear and tear, torsion and chemical substances, and unalterable dimensions.Stagnoli T.G.® 's high qualified technical staff can follow a product from the drawing to its complete carrying out using state-of-the-art technology. The quality control plan, which is applied to each working phase, allows to meet all your specific needs thanks to Stagnoli T.G.® 's new testing equipment. The purchased quantities can vary according to the customers' needs: from large orders to samples. Small quantities of material can also be supplied very quickly thanks to its large stock.

STAGNOLI T.G.®, which has been working in the thermoplastic gear sector since 1981, can produce an endless range of gears in thermoplastic material. Its name has become a clear and reliable reference point for many Italian and foreign customers thanks to its steadfastness, tenacity and continous research.

The strengths of the Stagnoli thermoplastic gears are many others, starting with the possibility of customization of standard products, up to the development of new gears, spur gears, bevel gear pairs, pulleys and much more, through the study and design according to the specific customer's drawing.

Indications for machinings on machine tools:
Our products are generally supplied with a rough pre-bore obtained by injection. Therefore we suggest, in case of machining for the production of holes, bearing housings, keyways, splined holes etc, to fasten the gears on the lathe spindle through soft clamps, in order to obtain a perfect concentricity with the toothing. We also suggest to use WIDIA tools. We can also supply small quantities of gears with finished hole according to the drawing, by obtaining them from our standard.



5 motivi per scegliere gli organi di trasmissione termoplastici Stagnoli®.

- LEGGEREZZA
- RISPARMIO
- SILENZIOSITÀ
- AUTOLUBRIFICAZIONE
- PRESTAZIONI

Five reasons to switch to Stagnoli® thermoplastic transmission gear.

- *LIGHTER*
- *CHEAPER*
- *NOISELESS*
- *SELF-LUBRICATING*
- *PERFORMANCE*

Campi d'impiego

Field of use

Gli ingranaggi stampati STAGNOLI T.G.® sono usati in:
- Industria serigrafica e tipografica
- Macchine per la lavorazione del vetro e della ceramica
- Macchine per l'imballaggio-trasporto-confezionamento
- Industria alimentare (pastifici, caseifici, macelli)
- Aperture automatiche
- Macchine per pulizia industriale ed elettrodomestici
- Cine-foto-ottica - Tecniche elettroniche - Fotocopiatrici
- Macchine per l'agricoltura
- Industria chimica e farmaceutica
- Macchine per ufficio e obliteratrici
- Automazioni in genere - robot - Macchine in genere
- Attrezzature da ginnastica e tempo libero
- Macchine ed attrezzature tessili

The gears molded by STAGNOLI T.G.® are used in the following fields:
- *Silk-screen printing and typographic industry*
- *Glass and ceramic working machines*
- *Packaging and conveyor chain machines*
- *Catering equipment (pasta factories, dairies,slaughterhouses)*
- *Automatic opening systems*
- *Industrial cleaning machines and household appliances*
- *Cine-photo-optics - Electronics - Photocopiers*
- *Farm machinery - Chemical and pharmaceutical industry*
- *Office supplies and stamping machine*
- *Different automation systems - robots - Various machines*
- *Gym and spare time equipment - Textile industry*

Progettiamo e stampiamo ingranaggi speciali su richiesta

We design and produce special molded gears on request

- Ingranaggi elicoidali
- Ingranaggi conici 'gleason'
- Riduttori epicicloidali
- Ingranaggi frontali 'face'
- Ingranaggi doppi cilindrici, elicoidali cilindrici, elicoidali conici
- Ingranaggi con inserti in alluminio, bronzo acciaio e cuscinetti
- Ingranaggi interni

Tutti gli articoli possono essere prodotti in materiali speciali.

- *Helical gears*
- *'Gleason' bevel gears*
- *Planetary gears*
- *'Face' gears*
- *Double spur gears, helical spur gears, helical bevel gears*
- *Gears with aluminium, bronze, steel bushings and bearings*
- *Internal gears*

All these items can be produced in different materials.

Produzioni personalizzate

Custom made productions

IMBALLAGGIO
PACKAGING

PULIZIA
CLEANING

AUTOMAZIONE
AUTOMATION

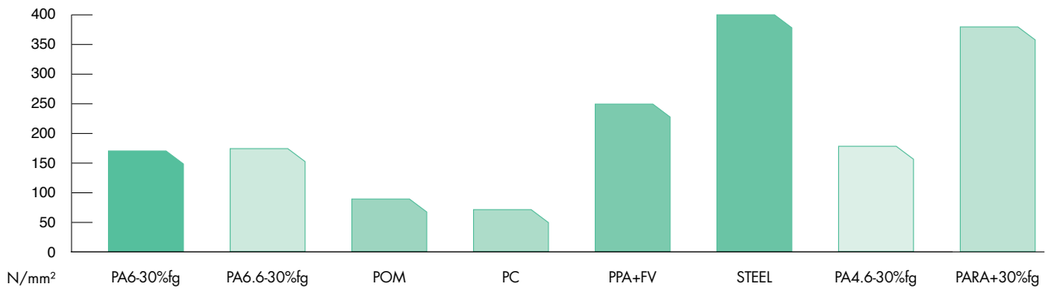
VERNICI
PAINTS

AGRICOLTURA
AGRICULTURE

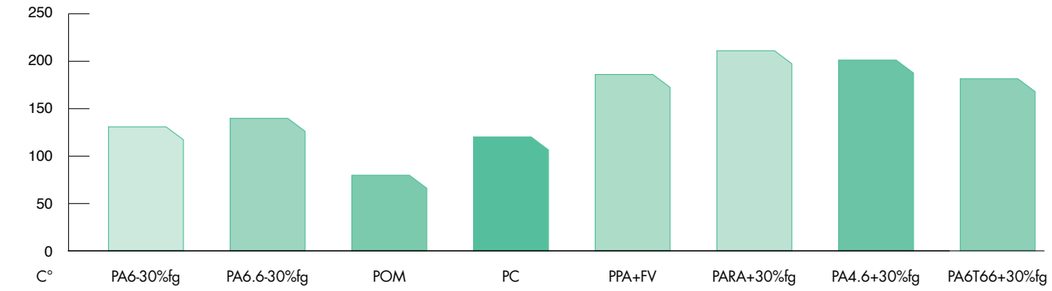
VETRO E LEGNO
GLASS AND WOOD

Caratteristiche tecniche.

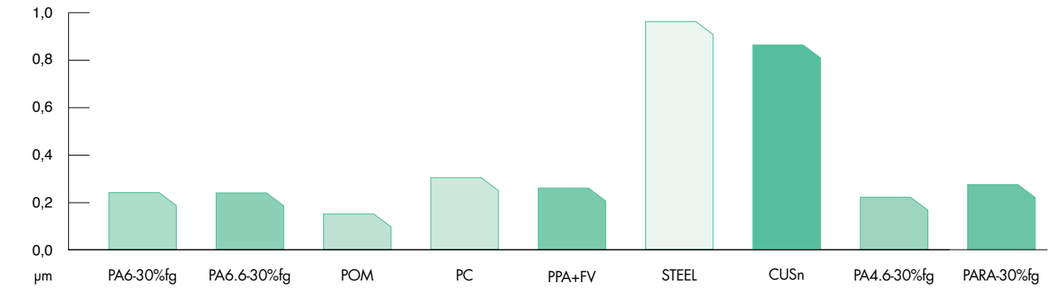
Technical characteristics



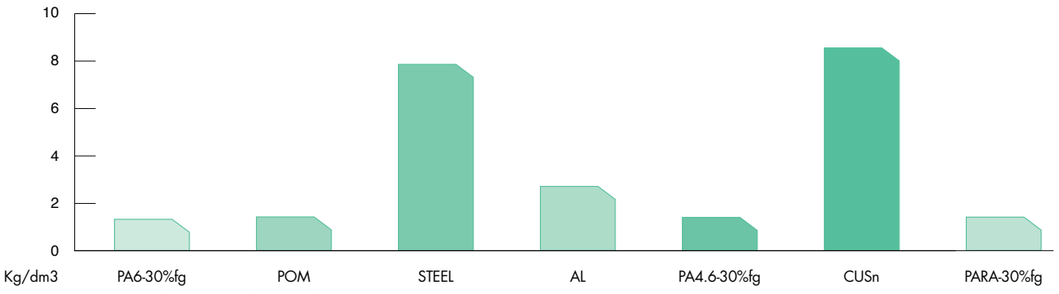
Resistenza alla flessione - *Flexing resistance*



Temperatura massima in continuo - *Maximum temperature of use*



Coefficiente d'attrito - *Friction coefficient*



Peso specifico - *Specific weight*

Proprietà chimiche. PA6+30%fg

Chemical properties

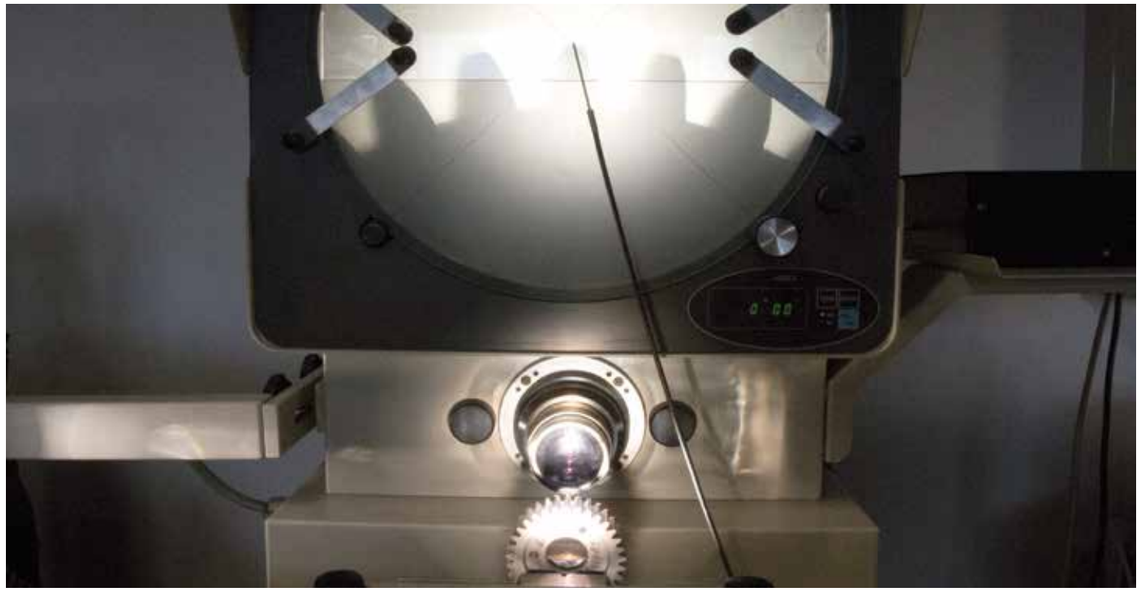
AGENTS	%	A	C
Acetaldehyde - aqueous solution	40	MR	MR
Acetamide - aqueous solution	50	GR	GR
Amyl acetate	100	GR	GR
Butyl acetate	100	GR	GR
Methyl acetate	100	GR	GR
Lead acetate- aqueous solution	10	MR	MR
Ethyl acetate	100	GR	GR
Acetone	100	GR	GR
Concentate acetic acid		SA	SA
Acetic acid - aqueous solution	40	SA	SA
Acetic acid - aqueous solution	10	SA	SA
Benzoic acid aqueous solution	satured	MR	MR
Boric acid - aqueous solution	10	MR	GR
Butyric acid	100	MR	GR
Chloridic acid - aqueous solution	36	S	S
Chloridic acid - aqueous solution	10	SA	SA
Chloridic acid - aqueous solution	2	SA	LA
Chromic acid	10	SA	SA
Chromic acid - aqueous solution	1	MR	MR
Citric acid - aqueous solution	10	LA	MR
Fluoridric acid - aqueous solution	40	SA	SA
Formic acid - aqueous solution	85	S	S
Formic acid - aqueous solution	40	SA	SA
Formic acid - aqueous solution	10	SA	SA
Phosphoric acid - aqueous solution	10	SA	SA
Phosphoric acid - concentrate		SA	SA
Phtalic acid - aqueous solution	satured	MR	MR
Sea- river- drinkable- distilled water		GR	GR
Chlorine water		MR	MR
Peroxide water - aqueoues solution	30	SA	SA
Peroxide water - aqueoues solution	3	SA	SA
Peroxide water - aqueoues solution	1	SA	LA
Peroxide water	0,5	LA	LA
Lactic acid - aqueous solution	90	SA	SA
Lactic acid - aqueous solution	10	MR	GR
Oleic acid	100	GR	GR
Oxalic acid aqueous solution	10	MR	MR
Salicylic acid	100	GR	GR
Sulphuric acid - aqueous solution	98	S	S
Sulphuric acid - aqueous solution	40	SA	SA
Sulphuric acid - aqueous solution	10	SA	SA
Sulphuric acid - aqueous solution	2	SA	LA
Tartaric acid		MR	GR
Acrilonitrile	100	GR	GR
Allyl alcohol	100	MR	MR
Amyl alcohol	100	GR	GR
Benzyl alcohol	100	LA	MR
Butyl alcohol	100	MR	GR
Ethyl alcohol	96	MR	GR
Isoprophyl alcohol		MR	GR
Methyl alcohol	100	MR	GR
Propyl alcohol		MR	GR
Ammonia	10	GR	GR
Anyline	100	MR	MR
Benzaldehyde	100	LA	MR
Petrol		GR	GR
Benzene	100	GR	GR
Alcohol drinks		MR	GR
Potassium bichromate - aqueous sol.	5	MR	MR
Bisolfito di sodio - aqueous sol.	10	GR	GR
Bitumen		MR	MR
Potassium bromite- aqueous sol.	10	MR	GR
Butter		GR	GR
Butylene glycol	100	MR	GR
Camphor	100	GR	GR
Potassium carbonate	100	GR	GR
Sodium carbonate- aqueous soluion	10	GR	GR
Gaseous chlorine	100	SA	SA
Chloroform	100	SA	SA
Alluminium chloride- aqueous solution	10	GR	GR
Ammonium chloride- aqueous solution	10	GR	GR
Barium chloride - aqueous solution	10	GR	GR
Calcium chloride - acqueous solution	20	S	S
Calcium chloride - aqueous solution	10	GR	GR
Ethyl chloide	100	GR	GR
Magnesium chloride - aqueous solution	10	GR	GR
Methylene chloride	100	LA	MR
Sodium chloride - aqueous solution	10	GR	GR
Thionylchloride		SA	SA
Vinyl chloride	100	GR	GR
Zinc chloride	10	MR	MR

AGENTS	%	A	C
Ferric chloride - aqueous solution		GR	GR
Mercuric chloride	10	SA	LA
Cyclohexane	6	GR	GR
Cyclohexanol	100	GR	GR
Decaline	100	GR	GR
Dichlorofluoro Ethylene (see Freon)		GR	GR
Dimethy formamide		GR	GR
Dioxane	100	GR	GR
Heptane		GR	GR
Hexane		GR	GR
Anise oil		MR	GR
Clove oil		GR	GR
Lavander oil		GR	GR
Mint oil	100	GR	GR
Rose oil		GR	GR
Violet oil		GR	GR
Petroleum ether		GR	GR
Ethyl ethere		GR	GR
Phenol - aqueouls solution	100	SA	SA
Molten phenol		MR	GR
Formaldehide -aqueous solution	100	MR	GR
Freon 12 -liquid	30	GR	GR
Butyl phthalate		GR	GR
Octyl phthalate		GR	GR
Glycerine		GR	GR
Ethylene glycol		MR	GR
Fats		GR	GR
Hydrogen sulphide -aqueous solution	satured	GR	GR
ISodium hypochlorite -aqueous solution		SA	LA
Iso-octane		GR	GR
Milk		GR	GR
Mercury		GR	GR
Naphtalene		GR	GR
Silver nitrate		GR	GR
Potassium nitrate - aqueous solution		GR	GR
Trifluoro ethanol	10	S	S
Sodium nitrate		GR	GR
Nitrobenzene	10	MR	MR
Nitromethane	100	MR	GR
Oleum	100	S	S
Oils		GR	GR
Cupra oil		GR	GR
Flax oil		GR	GR
Paraffin oil		GR	GR
Silicone oil		GR	GR
Diesel oil		GR	GR
Mineral oil		GR	GR
Oil for transformers		GR	GR
Zinc oxide		GR	GR
Ozone		SA	SA
Perfumes		MR	MR
Potassium permanganate - aqueous solution		SA	SA
Oil	1	GR	GR
Potash - aqueous solution	50	MR	MR
Potash - aqueous solution	10	GR	GR
Potash - aqueous solution	5	GR	GR
Sodium silicate		GR	GR
Caustic soda -aqueous solution	50	MR	MR
Caustic soda -aqueous solution	10	GR	GR
Caustic soda -aqueous solution	5	GR	GR
Aluminum sulphate - aqueous solution	10	GR	GR
Copper sulpate -aqueous solution	10	GR	GR
Sodium sulphate -aqueous solution	10	GR	GR
Carbon disulphide - aqueous solution	v	GR	GR
Potassium iodine and iodine solution	3	SA	SA
Soap solution - aqueous solution		GR	GR
Lead stearate	100	GR	GR
Iodine tincture - alcoholic		SA	SA
Carbon tetrachloride		GR	GR
Tetrahydrophurane		GR	GR
Tetralene		GR	GR
Sodium thiosulphate -aqueous solution	10	GR	GR
Toluene		GR	GR
Trichloroethylene		MR	MR
Triethanol amine		GR	GR
Vaselina		GR	GR
Wine		MR	GR
Sulphur		GR	GR
Xylene		GR	GR

Legenda

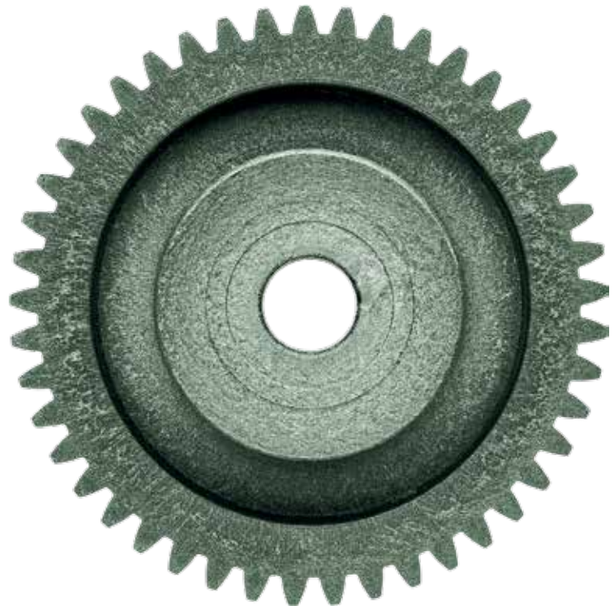
Key

% = *Concentration*
A = *Polymer in the amorphous state*
C = *Polymer in the crystalline state*
GR = *Good resistance-constant; little or no weight or dimensional change; no alterations*
MR = *Medium resistance: some weight and dimensional change after a certain period; possible colour modification, reduction of mechanical properties*
LA = *Slight attack. Its use is possible under certain conditions (for ex.: occasional contact of the chemical agent for a limited period of time)*
SA = *Strongly attacked after a certain period of time*
S = *Soluble*



Comparazioni delle classi di precisione per gli ingranaggi
Comparison of gear accuracy ratings

Norme ISO International ISO	Norme DIN (Germania) Germany DIN	Norme JIS (Giappone) Japan JIS	Norme AGMA (U.S.A.) U.S.A. AGMA
4	4	0	13
5	5	1	12
6	6	2	11
7	7	3	10
8	8	4	9
9	9	5	8

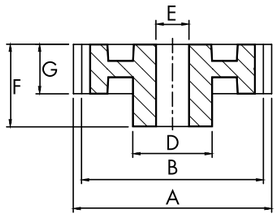


INGRANAGGI **CILINDRICI**

SPUR GEARS

Serie normale - *Normal series (N)*

Ruote Dentate cilindriche con mozzo laterale Angolo di pressione 20° in nylon 6÷30% FV
Spur Gears with lateral hub Pressure angle 20° in nylon 6÷30% GF



M	G	F
0,5	8	16
1	15	25
1,5	17	30
2	20	35
2,5	25	40
3	30	45
4	40	60

0,5

COD	M	Z	A	B	D	E
CL005030N	0,5	30	16	15	10	-
CL005055N	0,5	55	28,5	27,5	20	4
CL005070N	0,5	70	36	35	20	4

1

COD	M	Z	A	B	D	E
CL01010N	1	10	12	10	12	-
CL01012N	1	12	14	12	9	4
CL01013N	1	13	15	13	10	4
CL01014N	1	14	16	14	10	4
CL01015N	1	15	17	15	10	4
CL01016N	1	16	18	16	13	5
CL01017N	1	17	19	17	14	5
CL01018N	1	18	20	18	14	5
CL01019N	1	19	21	19	14	5
CL01020N	1	20	22	20	16	5
CL01021N	1	21	23	21	16	5
CL01022N	1	22	24	22	18	5
CL01023N	1	23	25	23	18	6
CL01024N	1	24	26	24	20	6
CL01025N	1	25	27	25	20	6
CL01026N	1	26	28	26	22	6
CL01027N	1	27	29	27	22	6
CL01028N	1	28	30	28	22	6
CL01029N	1	29	31	29	25	6
CL01030N	1	30	32	30	25	6
CL01031N	1	31	33	31	25	6
CL01032N	1	32	34	32	25	6
CL01033N	1	33	35	33	25	6
CL01034N	1	34	36	34	30	8
CL01035N	1	35	37	35	30	8
CL01036N	1	36	38	36	30	8
CL01037N	1	37	39	37	30	8
CL01038N	1	38	40	38	30	8
CL01039N	1	39	41	39	30	8
CL01040N	1	40	42	40	30	8
CL01041N	1	41	43	41	30	8
CL01042N	1	42	44	42	35	10
CL01043N	1	43	45	43	35	10
CL01044N	1	44	46	44	35	10
CL01045N	1	45	47	45	35	10
CL01047N	1	47	49	47	35	10
CL01048N	1	48	50	48	35	10
CL01049N	1	49	51	49	35	10
CL01050N	1	50	52	50	35	10
CL01052N	1	52	54	52	35	14
CL01054N	1	54	56	54	35	14
CL01055N	1	55	57	55	35	14
CL01056N	1	56	58	56	35	14
CL01058N	1	58	60	58	35	14
CL01060N	1	60	62	60	40	14
CL01062N	1	62	64	62	40	14
CL01064N	1	64	66	64	40	14
CL01065N	1	65	67	65	40	20
CL01066N	1	66	68	66	40	20
CL01070N	1	70	72	70	40	20
CL01071N	1	71	73	71	40	20
CL01072N	1	72	74	72	40	20
CL01073N	1	73	75	73	50	20

1

COD	M	Z	A	B	D	E
CL01074N	1	74	76	74	40	20
CL01075N	1	75	77	75	50	20
CL01077N	1	77	79	77	50	20
CL01080N	1	80	82	80	50	20
CL01085N	1	85	87	85	50	20
CL01088N	1	88	90	88	50	20
CL01090N	1	90	92	90	50	20
CL01095N	1	95	97	95	50	20
CL01100N	1	100	102	100	50	20
CL01104N	1	104	106	104	50	20
CL01110N	1	110	112	110	50	20
CL01120N	1	120	122	120	50	20
CL01127	1	127	129	127	50	20
CL01130N	1	130	132	130	50	20
CL01138N	1	138	140	138	50	20
CL01140N	1	140	142	140	50	20
CL01150N	1	150	152	150	50	20
CL01160N	1	160	162	160	50	25

1,5

COD	M	Z	A	B	D	E
CL15012N	1,5	12	21	18	14	5
CL15013N	1,5	13	22,5	19,5	16	5
CL15014N	1,5	14	24	21	16	5
CL15015N	1,5	15	25,5	22,5	18	5
CL15016N	1,5	16	27	24	18	5
CL15017N	1,5	17	28,5	25,5	20	6
CL15018N	1,5	18	30	27	20	6
CL15019N	1,5	19	31,5	28,5	20	8
CL15020N	1,5	20	33	30	25	8
CL15021N	1,5	21	34,5	31,5	25	8
CL15022N	1,5	22	36	33	28	8
CL15023N	1,5	23	37,5	34,5	28	8
CL15024N	1,5	24	39	36	28	8
CL15025N	1,5	25	40,5	37,5	30	8
CL15026N	1,5	26	42	39	30	8
CL15027N	1,5	27	43,5	40,5	30	8
CL15028N	1,5	28	45	42	30	8
CL15029N	1,5	29	46,5	43,5	30	8
CL15030N	1,5	30	48	45	35	12
CL15031N	1,5	31	49,5	46,5	35	12
CL15032N	1,5	32	51	48	35	12
CL15033N	1,5	33	52,5	49,5	35	12
CL15034N	1,5	34	54	51	35	12
CL15035N	1,5	35	55,5	52,5	35	12
CL15036N	1,5	36	57	54	35	12
CL15037N	1,5	37	58,5	55,5	35	16
CL15038N	1,5	38	60	57	35	16
CL15039N	1,5	39	61,5	58,5	35	16
CL15040N	1,5	40	63	60	40	16
CL15041N	1,5	41	64,5	61,5	40	16
CL15042N	1,5	42	66	63	45	16
CL15043N	1,5	43	67,5	64,5	45	16
CL15044N	1,5	44	69	66	45	16
CL15045N	1,5	45	70,5	67,5	45	16
CL15046N	1,5	46	72	69	45	16
CL15047N	1,5	47	73,5	70,5	45	16
CL15048N	1,5	48	75	72	45	16
CL15050N	1,5	50	78	75	45	16
CL15051N	1,5	51	79,5	76,5	50	20
CL15052N	1,5	52	81	78	50	20
CL15053N	1,5	53	82,5	79,5	50	20
CL15054N	1,5	54	84	81	50	20
CL15055N	1,5	55	85,5	82,5	50	20
CL15060N	1,5	60	93	90	55	20
CL15063N	1,5	63	97,5	94,5	60	20
CL15065N	1,5	65	100,5	97,5	60	20
CL15070N	1,5	70	108	105	60	20
CL15075N	1,5	75	115,5	112,5	60	20
CL15080N	1,5	80	123	120	60	20
CL15085N	1,5	85	130,5	127,5	60	20
CL15090N	1,5	90	138	135	60	20
CL15092N	1,5	92	141	138	60	20
CL15095N	1,5	95	145,5	142,5	60	20
CL15100N	1,5	100	153	150	60	20
CL15102N	1,5	102	156	153	60	20
CL15104N	1,5	104	159	156	60	20
CL15110N	1,5	110	168	165	60	20
CL15114N	1,5	114	174	171	60	20
CL15120N	1,5	120	183	180	60	20

2

COD	M	Z	A	B	D	E
CL02012N	2	12	28	24	18	8
CL02013N	2	13	30	26	18	8
CL02014N	2	14	32	28	20	8
CL02015N	2	15	34	30	22	8
CL02016N	2	16	36	32	25	8
CL02017N	2	17	38	34	25	8
CL02018N	2	18	40	36	30	10
CL02019N	2	19	42	38	30	10
CL02020N	2	20	44	40	30	10
CL02021N	2	21	46	42	30	10
CL02022N	2	22	48	44	30	10
CL02023N	2	23	50	46	35	10
CL02024N	2	24	52	48	35	10
CL02025N	2	25	54	50	35	10
CL02026N	2	26	56	52	40	14
CL02027N	2	27	58	54	40	14
CL02028N	2	28	60	56	40	14
CL02029N	2	29	62	58	40	14
CL02030N	2	30	64	60	40	14
CL02031N	2	31	66	62	40	14
CL02032N	2	32	68	64	45	16
CL02033N	2	33	70	66	45	16
CL02034N	2	34	72	68	45	16
CL02035N	2	35	74	70	45	16
CL02036N	2	36	76	72	50	16
CL02037N	2	37	78	74	50	16
CL02038N	2	38	80	76	50	16
CL02039N	2	39	82	78	50	16
CL02040N	2	40	84	80	50	16
CL02041N	2	41	86	82	50	16
CL02042N	2	42	88	84	50	16
CL02043N	2	43	90	86	50	16
CL02044N	2	44	92	88	50	16
CL02045N	2	45	94	90	50	16
CL02046N	2	46	96	92	60	16
CL02047N	2	47	98	94	60	16
CL02048N	2	48	100	96	60	16
CL02049N	2	49	102	98	60	16
CL02050N	2	50	104	100	60	20
CL02051N	2	51	106	102	60	20
CL02052N	2	52	108	104	60	20
CL02053N	2	53	110	106	60	20
CL02054N	2	54	112	108	60	20
CL02055N	2	55	114	110	60	20
CL02056N	2	56	116	112	60	20
CL02057N	2	57	118	114	60	20
CL02058N	2	58	120	116	60	20
CL02059N	2	59	122	118	60	20
CL02060N	2	60	124	120	60	20
CL02061N	2	61	126	122	60	20
CL02062N	2	62	128	124	60	20
CL02063N	2	63	130	126	60	20
CL02064N	2	64	132	128	60	20
CL02065N	2	65	134	130	60	20
CL02066N	2	66	136	132	60	20
CL02067N	2	67	138	134	60	20
CL02068N	2	68	140	136	60	20
CL02069N	2	69	142	138	60	20
CL02070N	2	70	144	140	60	20
CL02071N	2	71	146	142	60	20
CL02072N	2	72	148	144	60	20
CL02073N	2	73	150	146	60	20
CL02074N	2	74	152	148	60	20
CL02075N	2	75	154	150	60	20
CL02076N	2	76	156	152	60	20
CL02077N	2	77	158	154	60	20
CL02078N	2	78	160	156	60	20
CL02079N	2	79	162	158	60	20
CL02080N	2	80	164	160	60	20
CL02081N	2	81	166	162	60	20
CL02082N	2	82	168	164	60	20
CL02083N	2	83	170	166	60	20
CL02084N	2	84	172	168	60	20
CL02085N	2	85	174	170	60	20
CL02086N	2	86	176	172	60	20
CL02087N	2	87	178	174	60	20
CL02088N	2	88	180	176	60	20
CL02089N	2	89	182	178	60	20
CL02090N	2	90	184	180	60	20
CL02091N	2	91	186	182	60	20
CL02092N	2	92	188	184	60	20
CL02093N	2	93	190	186	60	20
CL02094N	2	94	192	188	60	20
CL02095N	2	95	194	190	60	20
CL02096N	2	96	196	192	60	25
CL02097N	2	97	198	194	60	25
CL02098N	2	98	200	196	60	20
CL02099N	2	99	202	198	60	20
CL02100N	2	100	204	200	60	30
CL02105N	2	105	214	210	60	30
CL02112N	2	112	228	224	60	25
CL02126N	2	126	256	210	60	25

2,5

COD	M	Z	A	B	D	E
CL25012N	2,5	12	35	30	22	8
CL25014N	2,5	14	40	35	22	8
CL25015N	2,5	15	42,5	37.5	30	10
CL25016N	2,5	16	45	40	30	10
CL25017N	2,5	17	47,5	42.5	30	10
CL25018N	2,5	18	50	45	35	10
CL25019N	2,5	19	52,5	47.5	35	10
CL25020N	2,5	20	55	50	35	10
CL25021N	2,5	21	57,5	52.5	35	16
CL25022N	2,5	22	60	55	40	16
CL25023N	2,5	23	62,5	57.5	40	16
CL25024N	2,5	24	65	60	40	16
CL25025N	2,5	25	67,5	62.5	40	16
CL25026N	2,5	26	70	65	40	16
CL25027N	2,5	27	72,5	67.5	40	16
CL25028N	2,5	28	75	70	40	16
CL25029N	2,5	29	77,5	72.5	45	16
CL25030N	2,5	30	80	75	45	16
CL25031N	2,5	31	82,5	77.5	45	16
CL25032N	2,5	32	85	80	50	16
CL25033N	2,5	33	87,5	82.5	50	16
CL25034N	2,5	34	90	85	50	16
CL25035N	2,5	35	92,5	87.5	50	16
CL25036N	2,5	36	95	90	50	18
CL25037N	2,5	37	97,5	92.5	50	18
CL25038N	2,5	38	100	95	50	18
CL25039N	2,5	39	102,5	97.5	50	18
CL25040N	2,5	40	105	100	50	18
CL25042N	2,5	42	110	102.5	60	18
CL25043N	2,5	43	112,5	105	60	18
CL25045N	2,5	45	117,5	112,5	60	18
CL25046N	2,5	46	120	115	60	20
CL25047N	2,5	47	122,5	117,5	60	20
CL25048N	2,5	48	125	120	60	20
CL25049N	2,5	49	127,5	122,5	60	20
CL25050N	2,5	50	130	125	60	20
CL25052N	2,5	52	135	130	60	20
CL25054N	2,5	54	140	135	60	20
CL25055N	2,5	55	142,5	137,5	60	20
CL25060N	2,5	60	155	150	60	20
CL25065N	2,5	65	167,5	162,5	60	20
CL25090N	2,5	90	230	225	60	25

3

COD	M	Z	A	B	D	E
CL03012N	3	12	42	36	25	12
CL03013N	3	13	45	39	28	12
CL03014N	3	14	48	42	30	12
CL03015N	3	15	51	45	30	12
CL03016N	3	16	54	48	40	12
CL03017N	3	17	57	51	40	12
CL03018N	3	18	60	54	42	12
CL03019N	3	19	63	57	45	12
CL03020N	3	20	66	60	45	12
CL03021N	3	21	69	63	45	12
CL03022N	3	22	72	66	45	16
CL03023N	3	23	75	69	45	16
CL03024N	3	24	78	72	45	16
CL03025N	3	25	81	75	45	16
CL03026N	3	26	84	78	45	16
CL03027N	3	27	87	81	45	16
CL03028N	3	28	90	84	50	16
CL03029N	3	29	93	87	50	16
CL03030N	3	30	96	90	50	16
CL03031N	3	31	99	93	50	16
CL03032N	3	32	102	96	50	16
CL03034N	3	34	108	102	50	16
CL03035N	3	35	111	105	60	16
CL03036N	3	36	114	108	60	20
CL03037N	3	37	117	111	60	20
CL03038N	3	38	120	114	60	17
CL03039N	3	39	123	117	60	20
CL03040N	3	40	126	120	60	20
CL03041N	3	41	129	123	60	20
CL03042N	3	42	132	126	60	20
CL03043N	3	43	135	129	60	20
CL03044N	3	44	138	132	60	20
CL03045N	3	45	141	135	60	20
CL03046N	3	46	144	138	60	20
CL03047N	3	47	147	141	60	20
CL03048N	3	48	150	144	60	20
CL03049N	3	49	153	147	60	20
CL03050N	3	50	156	150	60	20
CL03052N	3	52	162	156	100	20
CL03054N	3	54	168	162	100	20
CL03055N	3	55	171	165	100	20
CL03057N	3	57	177	171	60	20
CL03060N	3	60	186	180	100	20

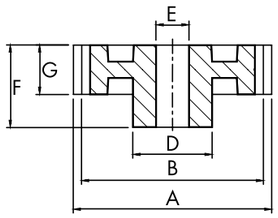
4

COD	M	Z	A	B	D	E
CL04016N	4	16	72	64	50	21
CL04018N	4	18	80	72	60	21
CL04020N	4	20	88	80	60	18

*Aggiorniamo ogni mese la nostra gamma. Contattaci se non trovi il tuo ingranaggio

Serie leggera - *Light series (L)*

Ruote Dentate cilindriche con mozzo laterale Angolo di pressione 20° in nylon 6÷30% FV
Spur Gears with lateral hub Pressure angle 20° in nylon 6÷30% GF



M	G	F
1	8	16
1,5	10	20
3	20	20
4	22	42

1

COD	M	Z	A	B	D	E
CL01010L	1	10	12	10	12	-
CL01012L	1	12	14	12	9	-
CL01013L	1	13	15	13	10	4
CL01014L	1	14	16	14	10	4
CL01015L	1	15	17	15	10	4
CL01016L	1	16	18	16	10	4
CL01017L	1	17	19	17	14	5
CL01018L	1	18	20	18	14	5
CL01020L	1	20	22	20	14	5
CL01021L	1	21	23	21	18	5
CL01022L	1	22	24	22	18	6
CL01025L	1	25	27	25	20	6
CL01028L	1	28	30	28	22	8
CL01029L	1	29	31	29	22	8
CL01030L	1	30	32	30	25	8
CL01032L	1	32	34	32	25	8
CL01033L	1	33	35	33	28	8
CL01035L	1	35	37	35	25	8
CL01036L	1	36	38	36	25	8
CL01040L	1	40	42	40	25	8
CL01045L	1	45	47	45	35	8
CL01050L	1	50	52	50	35	8
CL01054L	1	54	56	54	35	8
CL01055L	1	55	57	55	40	10
CL01056L	1	56	58	56	40	10
CL01058L	1	58	60	58	40	10
CL01060L	1	60	62	60	40	10
CL01065L	1	65	67	65	40	14
CL01070L	1	70	72	70	40	14
CL01072L	1	72	74	72	40	14
CL01075L	1	75	77	75	40	14
CL01080L	1	80	82	80	40	20
CL01085L	1	85	87	85	40	20
CL01090L	1	90	92	90	50	20

3

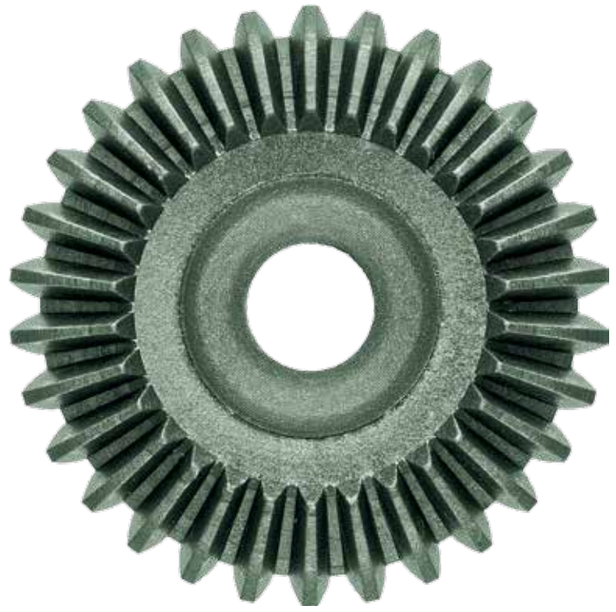
COD	M	Z	A	B	D	E
CL03037L	3	37	117	111	60	20
CL03043L	3	43	135	129	60	20

4

COD	M	Z	A	B	D	E
CL04017L	4	17	76	68	50	20
CL04019L	4	19	84	76	50	20

1,5

COD	M	Z	A	B	D	E
CL15010L	1,5	10	18	15	18	8
CL15015L	1,5	15	25.5	22.5	18	6
CL15016L	1,5	16	27	24	18	6
CL15017L	1,5	17	28.5	25.5	18	6
CL15018L	1,5	18	30	27	20	6
CL15020L	1,5	20	33	30	20	6
CL15024L	1,5	24	39	36	20	6
CL15025L	1,5	25	40.5	37.5	20	6
CL15030L	1,5	30	48	45	30	10
CL15032L	1,5	32	51	48	30	10
CL15033L	1,5	33	52.5	49.5	30	10
CL15035L	1,5	35	55.5	52.5	30	10
CL15036L	1,5	36	57	54	30	10
CL15040L	1,5	40	63	60	40	16
CL15042L	1,5	42	66	63	40	16
CL15045L	1,5	45	70.5	69.5	40	16
CL15050L	1,5	50	78	75	50	16
CL15054L	1,5	54	84	81	50	20
CL15070L	1,5	70	108	105	60	20



COPPIE CONICHE

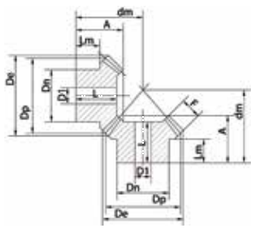
BEVEL GEARS PARTS

Coppie coniche - *Bevel gears*

Coppie coniche ad assi normali angolo di pressione 20° in nylon 6÷30% fv
Bevel gear pairs with normal axes pressure angle 20° in nylon 6÷30% gf

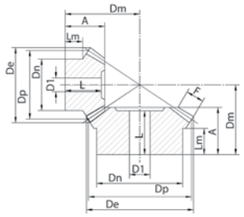
Rapporto 1:1 Ratio 1:1

CODICE	MODULO	Z	De	Dp	A	F	Dn	D1	dm	L	Lm	STOCK
CN01016R01	1	16	17.4	16	14	4	13	5	18,59	14	9	√
CN15016R01	1,5	16	26,1	24.0	18	8	20	8	25.1	17	11.5	-
CN15020R01	1,5	20	32.1	30.0	20	8	22	6	28.7	18	9	√
CN15030R01	1,5	30	47.1	45.0	25	10	35	12	39.7	25	12	√
CN02016R01	2	16	34.8	32.0	20	9	25	9	28.8	20	9.3	√
CN02020R01	2	20	42.8	40.0	27	12	32	12	35.7	27	12	√
CN02030R01	2	30	62.8	60.0	30	16	50	12	47.8	30	12.8	√
CN25016R01	2,5	16	43.5	40.0	28	10	30	12	37.3	28	13.3	√
CN25020R01	2,5	20	53.5	50.0	30	12	38	12	45.9	26	16	√
CN25030R01	2,5	30	78.5	75.0	35,5	18	50	14	59.1	32	16	√
CN03016R01	3	16	52.2	48.0	30	12	38	11	44.2	30	16.2	√
CN03020R01	3	20	64.2	60.0	35	18	44	14	51.1	34	13.6	√
CN03030R01	3	30	94.2	90.0	40	22	60	20	68.1	36	19	√
CN35020R01	3,5	20	74.9	70.0	39	22	56	14	58.6	35	19	√



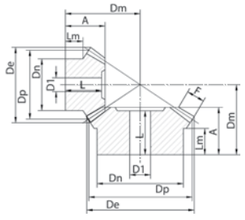
Rapporto 1:1,5 Ratio 1:1,5

CODICE	MODULO	Z	De	Dp	A	F	Dn	D1	dm	L	Lm	STOCK
CN02020R15	2	20	43.3	40	23	10	30	8	43.3	23	10.2	√
CN02030R15	2	30	62.2	60	27	10	50	11,5	40.6	27	15.2	√



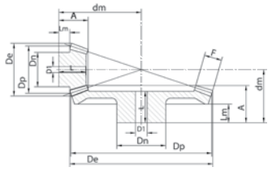
Rapporto 1:2 Ratio 1:2

CODICE	MODULO	Z	De	Dp	A	F	Dn	D1	dm	L	Lm	STOCK
CN15016R02	1,5	16	26.7	24	20	8	18	8	36.4	20	10.3	√
CN15032R02	1,5	32	49.3	48	20	8	33	12	27.5	20	11.5	√
CN02016R02	2	16	35.6	32	23	10	24	10	45.4	23	12.2	√
CN02032R02	2	32	65.8	64	25	10	40	12	35.2	25	10	√
CN25016R02	2,5	16	44.4	40	27.5	12	30	12	56.0	25	14.4	√
CN25032R02	2,5	32	82.2	80	30	13	50	15	43.5	26.5	10	√
CN03016R02	3	16	53.4	48	28	15	40.5	14	61.6	28	11.6	√
CN03032R02	3	32	98.7	96	34	15	60	16	50.4	34	15	√



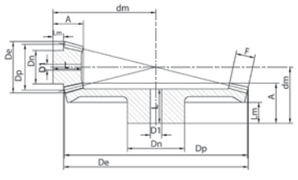
Rapporto 1:3 Ratio 1:3

CODICE	MODULO	Z	De	Dp	A	F	Dn	D1	dm	L	Lm	STOCK
CN15016R03	1,5	16	26.9	24	22	12	20	8	46.3	22	9.7	√
CN15048R03	1,5	48	72.9	72	21	12	42	15	29.2	21	12	√
CN02016R03	2	16	35.8	32	25,5	15	25	10	58.9	24	9.4	-
CN02048R03	2	48	97.3	96	26	15	50	15	35.9	22	13	√
CN25016R03	2,5	16	44.7	40	26	18	34	14	70.4	26	9.2	√
CN25048R03	2,5	48	121.6	120	32	18	60	20	44.6	25	16	√
CN03016R03	3	16	53.7	48	30	18	35	10	84.2	30	11.2	√
CN03048R03	3	48	145.9	144	38	18	50	20	54.1	32	19	√



Rapporto 1:4 Ratio 1:4

CODICE	MODULO	Z	De	Dp	A	F	Dn	D1	dm	L	Lm	STOCK
CN02016R04	M 2	16	35.9	32	24	15	25	12	73.1	23	8.5	-
CN02064R04	M.2	64	129	128	28	15	70	20	38.9	27	14	√
CN25016R04	M 2.5	16	44.9	40	30.5	18	32	15	92.6	30,5	11.7	√
CN25064R04	M 2.5	64	160	160	35	18	80	20	48.8	30	16	√
CN03016R04	M 3	16	53.8	48	32	20	35	10	108	32	11.1	√
CN03064R04	M 3	64	193.5	192	42	20	60	19	58.8	36	22	√



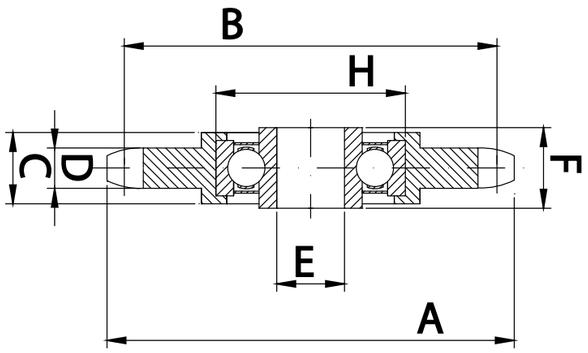
PIGNONI TENDICATENA

CHAIN TIGHTENER SPROCKETS

Pignoni tendicatena - *Chain Tightener sprockets*

Pignoni in nylon 6÷30% fv, completi di cuscinetto
Chain tightener sprockets with bearing in Nylon 6÷30% GF

CODICE	P	Z	A	B	C	D	E	H	F	STOCK
PG08Z18T12	8"x3"	18	49,3	46,07	16	2,8	12	32	10	√
PG1Z15T20	1"	15	133		18	16	20	47	18	√
PG38Z15T10	3/8"x7/32"	15	49,3	45,81	16	5,2	10	40	9	√
PG38Z21T10	3/8"x7/32"	21	68	63,91	16	5,3	10	30	9	√
PG38Z21T16	3/8"x7/32"	21	68	63,91	16	5,3	16	40	18	√
PG38Z21T162	3/8"x7/32"	21	68	63,91	16	5,3	16,2	40	18	√
PG12Z13T12	1/2"x5/16"	13	57,4	53,06	16	7,2	12	32	10	√
PG12Z16T10	1/2"x5/16"	13	57,4	53,06	16	7,2	10	30	9	√
PG12Z16T16	1/2"x5/16"	16	69,5	65,1	16	7,2	16	40	18	√
PG12Z16T162	1/2"x5/16"	16	69,5	65,1	16	7,2	16,2	40	18	√
PG12Z16T17	1/2"x5/16"	16	69,5	65,1	16	7,2	17	40	12	√
PG12Z17T10	1/2"x5/16"	17	73,6	69,11	13	7,2	10	40	18	√
PG12Z17T162	1/2"x5/16"	17	73,6	69,11	16	7,2	16,2	40	18	√
PG12Z17T12	1/2"x5/16"	17	73,6	69,11	16	7,2	12	32	10	√
PG12Z18T16	1/2"x5/16"	18	77,8	73,14	16	7,2	16	40	18	√
PG12Z18T162	1/2"x5/16"	18	77,8	73,14	16	7,2	16,2	40	18	√
PG58Z15T12	5/8"x3/8"	15	83	73,36	16	9,1	12	32	10	√
PG58Z15T16	5/8"x3/8"	15	83	73,36	16	9,1	16	40	18	√
PG58Z15T162	5/8"x3/8"	15	83	73,36	16	9,1	16,2	40	18	√
PG58Z17T12	5/8"x3/8"	17	93	86,39	16	9,1	12	32	10	√
PG58Z17T16	5/8"x3/8"	17	93	86,39	16	9,1	16	40	18	√
PG58Z17T162	5/8"x3/8"	17	93	86,39	16	9,1	16,2	40	18	√
PG34Z13T16	3/4"x7/16"	13	87,5	79,59	16	10,8	16	40	18	√
PG34Z13T162	3/4"x7/16"	13	87,5	79,59	16	10,8	16,2	40	18	√
PG34Z15T16	3/4"x7/16"	15	99,8	91,63	16	10,8	16	40	18	√
PG34Z15T162	3/4"x7/16"	15	99,8	91,63	16	10,8	16,2	40	18	√



Pignoni - *Sprockets*

Pignoni per catene semplici,a rulli secondo DIN 8187/8188 ISO/R 606, in Nylon 6 30% fv.
Sprockets for simple chains with rollers according to DIN 8187/8188 ISO/R 606 in Nylon 6÷30% gf

Passo 3/8"x7/32" - 06B-1 Pitch 3/8''x7/32''

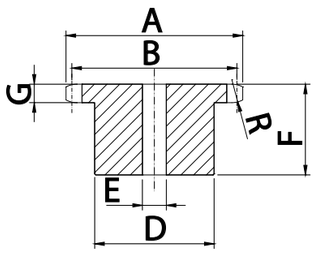
CODICE	Z	A	B	D	E	F	STOCK
PG38Z012S	12	40.5	36.80	25	8	25	√
PG38Z013S	13	43.5	39.80	28	8	25	√
PG38Z014S	14	46.5	42.80	30	8	25	√
PG38Z015S	15	49.5	45.81	34	10	25	√
PG38Z016S	16	52.5	48.82	35	10	28	-
PG38Z017S	17	55.5	51.83	35	10	28	√
PG38Z018S	18	58.6	54.85	40	10	28	√
PG38Z019S	19	61.6	57.87	44	12	28	√
PG38Z020S	20	64.6	60.89	44	12	28	√
PG38Z021S	21	67.6	63.91	48	12	28	√
PG38Z025S	25	79.7	76.00	57	12	28	√
PG38Z030S	30	94.8	91.12	40	12	28	√
PG38Z036S	36	113.0	109.2	70	16	30	√
PG38Z048S	48	150.2	145.6	60	16	30	-

Passo 1/2"x5/16" - 08B-1 Pitch 1/2''x5/16''

CODICE	Z	A	B	D	E	F	STOCK
PG12Z009S	9	38.0	33.18	20	10	25	√
PG12Z010S	10	45.9	41.10	26	10	28	√
PG12Z012S	12	53.9	49.07	32	10	28	√
PG12Z013S	13	57.9	53.06	37	10	28	-
PG12Z014S	14	63,2	57.07	41	10	28	√
PG12Z015S	15	65.9	61.09	45	10	28	√
PG12Z016S	16	69.9	65.10	45	11	28	√
PG12Z017S	17	74	69.11	50	11	28	√
PG12Z018S	18	78	73.14	50	11	28	√
PG12Z019S	19	82.0	77.16	60	11	28	-
PG12Z020S	20	86	81.19	50	11	28	√
PG12Z021S	21	90.1	85.22	50	11	28	√
PG12Z028S	28	118.3	113.4	70	16	29	√
PG12Z030S	30	126.3	121.5	80	16	30	-
PG12Z036S	36	150.6	145.7	90	16	35	-
PG12Z038S	38	158.6	153.8	90	16	35	-

Passo 5/8"x3/8" - 10B-1 Pitch 5/8''x3/8''

CODICE	Z	A	B	D	E	F	STOCK
PG58Z012S	12	68.2	61.34	42	12	30	-
PG58Z013S	13	73.2	66.32	47	12	30	-
PG58Z015S	15	83.2	76.36	50	14	30	√
PG58Z017S	17	93.3	86.39	50	14	30	√
PG58Z020S	20	108.4	101.49	75	14	30	-
PG58Z025S	25	133.6	126.66	80	16	30	-
PG58Z030S	30	158.8	151.87	90	20	35	-

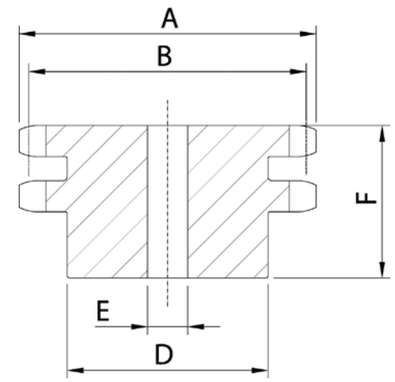


INCH	MM
3/8"x7/32"	9,525x5,72
1/2"x5/16"	12,7x7,75
5/8"x3/8"	15,875x9,65

Pignoni per catene doppie e triple, a rulli secondo DIN 8187/8188 ISO/R 606, in Nylon 6÷30% fv.
Sprockets for double and triple roller chains according to DIN 8187/8188 ISO/R 606 in Nylon PA 6÷30% gf

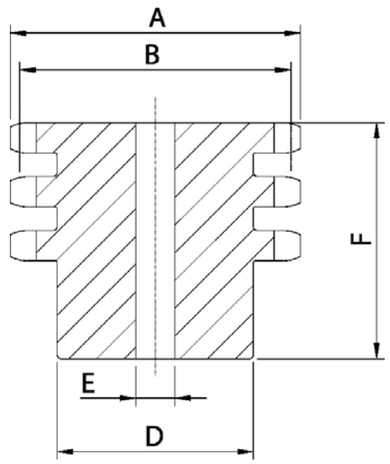
Doppio *Double*

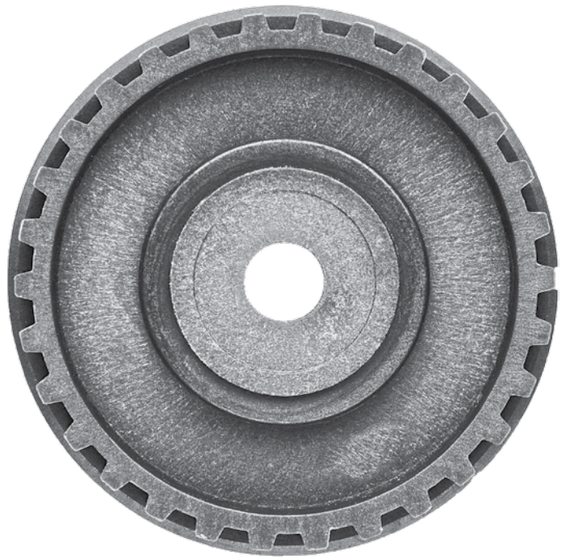
CODICE	PASSO	Z	A	B	D	E	F	STOCK
PG38Z021D	3/8	21	67,6	63,91	52	16	40	√
PG12Z014D	1/2	14	61,9	57,07	42	12	35	√
PG12Z015D	1/2	15	65,9	61,09	46	12	35	√



Triplo *Triple*

CODICE	PASSO	Z	A	B	D	E	F	STOCK
PG38Z021TR	3/8	21	67,6	63,91	52	16	40	√
PG12Z014TR	1/2	14	61,9	57,07	42	12	50	√
PG12Z015TR	1/2	15	65,9	61,09	46	12	50	√





PULEGGE

PULLEYS

Pulegge - *Pulleys*

Pulegge per cinghie dentate in PA 6÷30% fv.
Timing belt pulleys in PA 6÷30% gf

A PASSO METRICO "T"
Metric pitch "T"

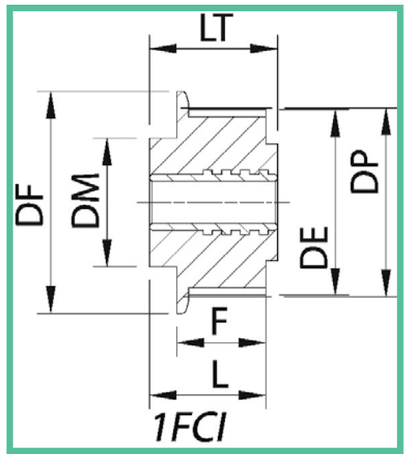
A PASSO METRICO "AT"
Metric pitch "AT"

CON PASSO IN POLLICI "MXL - XL - L - H"
Inch pitch "MXL - XL - L - H"

COMPATIBILI "HTD"
"HTD" compatible

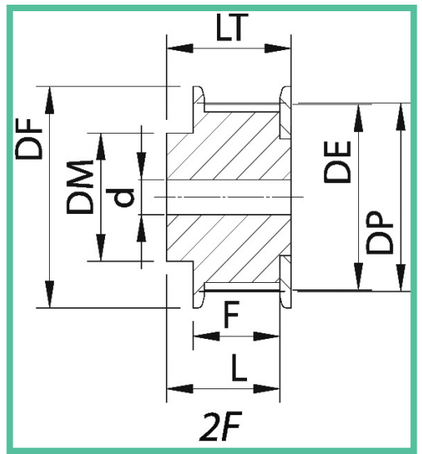
N.B.: Tutte le nostre pulegge standard hanno 1 flangia
N.B.: All our standard pulleys have one flange

Personalizzazioni
Customizations



Possibilità di sovrastampare
un inserto in alluminio, ottone e acciaio.

Possibility of overprinting a brass, aluminium, or steel insert



Possibilità di avere la seconda
flangia saldata ad ultrasuoni.

Possibility of having the second flange ultrasonically welded

Confronto tra differenti configurazioni di cinghie
Comparison of different belt configurations

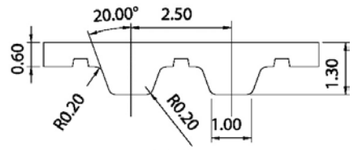


Fig.8
Passo 2.50mm (T)

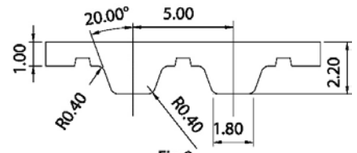


Fig.9
Passo 5.00mm (T)

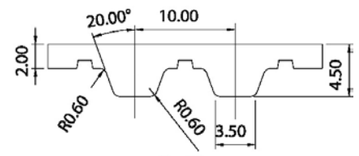


Fig.10
Passo 10.00mm (T)

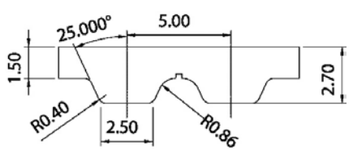


Fig.11
Passo 5.00mm (AT)

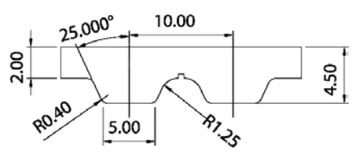


Fig.12
Passo 10.00mm (AT)

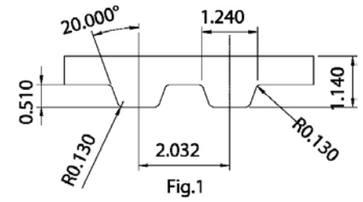


Fig.1
Passo 2.032mm (MXL)

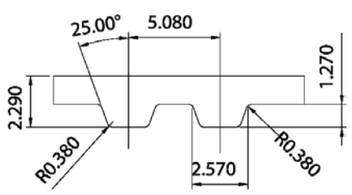


Fig.2
Passo 5.080mm (XL)

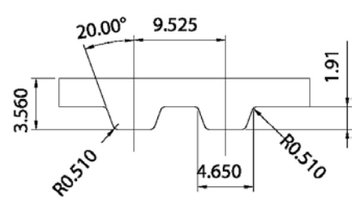


Fig.3
Passo 9.525mm (L)

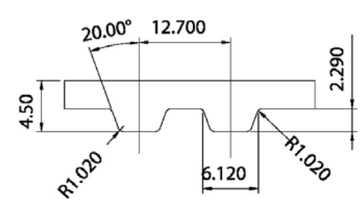


Fig.4
Passo 12.700mm (H)

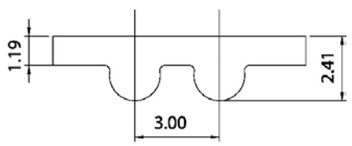


Fig.5
Passo 3.00mm (HTD)

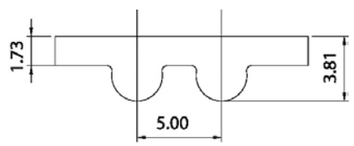


Fig.6
Passo 5.00mm (HTD)

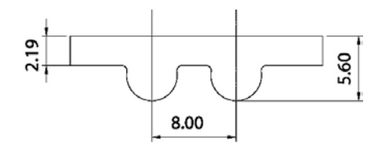


Fig.7
Passo 8.00mm (HTD)

Comparazione delle prestazioni dei vari materiali
Performance comparison of various materials

SIMBOLI
SYMBOLS

E= eccellente
excellent

G= buono
good

F= discreto
fair

P= scarso
poor

Requisiti della cinghia *Belt requirements*	Nylon	Acciaio - Steel
Funzionamento con puleggia di piccolo diametro *Working with a small diameter pulley*	E	P
Alta velocità della puleggia *High speed of the pulley*	E	P
Carico ad impulso ad alta intermittenza *High intermittent shock loading*	F	G
Assorbimento della vibrazione *Vibration absorbtion*	E	P
Coppia alta velocità bassa *High torque at low speed*	P	E
Con basso allungamento della cinghia *Low belt stretch*	P	E
Stabilità dimensionale *Dimensional stability*	P	E
Alta temperatura >90°C *High temperature >90°C*	P	E
Bassa temperatura > -20° *Low temperature > -20°*	F	E
Buono accoppiamento della cinghia col dente *Fitting between belt and tooth*	E	P
Rapido funzionamento di start e stop *Rapid start-stop operation*	G	E
Elasticità richiesta nella cinghia *Required belt elasticity*	E	P

Pulegge - Pulleys

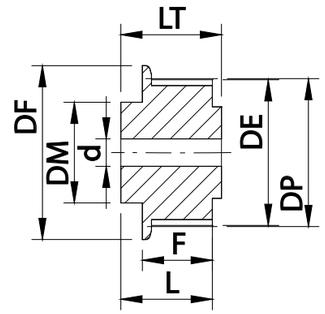
Pulegge dentate con passo metrico T
Timing belt pulleys metric pitch T

T 2,5

passo 2,5 mm
pitch 2,5 mm

larghezza cinghia 6 mm
belt width 6 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL01Z10	10	7,4	12	12	9,5	17,5	19	3	√
PL01Z11	11	8,2	12	12	9,5	17,5	19	3	√
PL01Z12	12	9	12	12	9,5	17,5	19	3	√
PL01Z13	13	9,8	12	12	9,5	17,5	19	2	√
PL01Z14	14	10,6	15	12	9,5	17,5	19	2	√
PL01Z15	15	11,4	15	12	9,5	17,5	19	2	√
PL01Z16	16	12,18	16	12	9,5	17,5	17,5	2	√
PL01Z17	17	13	16	12	9,5	17,5	19	2	√
PL01Z18	18	13,77	18	14	9,5	17,5	19	3	√
PL01Z19	19	14,56	18	14	9,5	17,5	19	3	√
PL01Z20	20	15,36	20	14	9,5	17,5	19	3	√
PL01Z21	21	16,2	20	14	9,5	17,5	19	3	√
PL01Z22	22	17	22	14	9,5	17,5	19	4	√
PL01Z23	23	17,75	22	14	9,5	17,5	19	3	√
PL01Z24	24	18,55	24	14	9,5	17,5	19	4	√
PL01Z25	25	19,35	24	14	9,5	17,5	19	3	√
PL01Z26	26	20,14	26	16	9,5	17,5	19	4	√
PL01Z27	27	20,93	26	16	9,5	17,5	19	4	√
PL01Z28	28	21,75	28	16	9,5	17,5	19	4	√
PL01Z29	29	22,52	28	16	9,5	17,5	19	4	√
PL01Z30	30	23,35	30	18	9,5	17,5	19	5	√
PL01Z31	31	24,1	30	18	9,5	17,5	19	5	√
PL01Z32	32	24,95	32	18	9,5	17,5	19	5	√
PL01Z33	33	25,7	32	18	9,5	17,5	19	5	√
PL01Z34	34	26,5	-	-	9,5	17,5	19	-	-
PL01Z35	35	27,3	-	-	9,5	17,5	19	-	-
PL01Z36	36	28,1	-	-	9,5	17,5	19	-	-
PL01Z48	48	37,68	44	25	11	17,5	19	5	√
PL01Z60	60	47,2	-	-	10	17,5	19	-	-



T 5

passo 5 mm
pitch 5 mm

larghezza cinghia 10 mm
belt width 10 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL02Z10	10	15,05	-	-	15,3	22	24	-	-
PL02Z12	12	18,25	23	10	15,3	22	24	4	-
PL02Z14	14	21,45	-	-	15,3	22	24	-	-
PL02Z15	15	23,05	28	12	15,3	22	24	5	√
PL02Z16	16	14,6	32	18	15,3	22	24	6	-
PL02Z18	18	27,8	32	20	15,3	22	24	6	-
PL02Z20	20	31	36	23	15,3	22	24	6	-
PL02Z22	22	32,25	-	-	15,3	22	24	8	-
PL02Z24	24	37,34	-	-	15,3	22	24	8	-
PL02Z25	25	38,95	44	26	15,3	22	24	8	-
PL02Z26	26	40,55	44	26	15,3	22	24	8	-
PL02Z28	28	43,75	-	-	15,3	22	24	-	-
PL02Z30	30	46,9	-	-	15,3	22	24	-	-
PL02Z32	32	50,1	54	28	15,3	22	24	10	-
PL02Z34	34	53,27	58	35	15,3	22	24	10	-
PL02Z35	35	54,85	-	-	15,3	22	24	-	-
PL02Z36	36	56,45	-	-	15,3	22	24	-	-
PL02Z38	38	59,64	64	35	15,3	22	24	10	√
PL02Z40	40	62,85	67	35	15,3	22	24	10	√
PL02Z60	60	94,65	100	50	15,3	22	24	15	-
PL02Z65	65	102,6	108	50	15,3	22	24	15	-
PL02Z72	72	113,75	-	-	15,3	22	24	-	-
PL02Z120	120	190,15	-	-	15,3	22	24	-	-

Pulegge - *Pulleys*

Pulegge dentate con passo metrico T
Timing belt pulleys metric pitch T

T 5

passo 5 mm
pitch 5 mm

larghezza cinghia 16 mm
belt width 16 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL03Z12	12	18,25	-	-	22	28	30	-	-
PL03Z14	14	21,45	-	-	22	28	30	-	-
PL03Z15	15	23,05	-	-	22	28	30	-	-
PL03Z16	16	24,6	-	-	22	28	30	-	-
PL03Z18	18	27,8	-	-	22	28	30	-	-
PL03Z20	20	31	-	-	22	28	30	-	-
PL03Z22	22	34,25	-	-	22	28	30	-	-
PL03Z24	24	37,4	-	-	22	28	30	-	-
PL03Z25	25	38,95	-	-	22	28	30	-	-
PL03Z28	28	43,75	-	-	22	28	30	-	-
PL03Z30	30	46,95	-	-	22	28	30	-	-
PL03Z32	32	50,1	-	-	22	28	30	-	-
PL03Z35	35	54,86	-	-	22	28	30	-	-
PL03Z36	36	56,45	-	-	22	28	30	-	-
PL03Z40	40	62,85	66	35	22	28	30	10	-

T 10

passo 10 mm
pitch 10 mm

larghezza cinghia 16 mm
belt width 16 mm

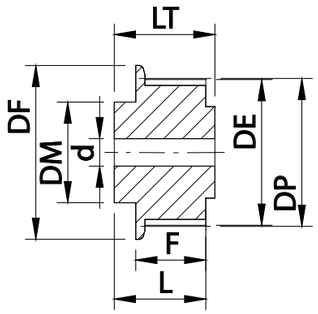
COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL04Z12	12	36,35	42	30	22	32	34	6	-
PL04Z14	14	42,7	48	30	22	32	34	8	-
PL04Z15	15	45,9	51	30	22	32	34	8	-
PL04Z16	16	49,1	55	30	22	32	34	8	-
PL04Z17	17	52,29	58	30	22	32	34	8	-
PL04Z18	18	55,45	61	40	22	32	34	12	√
PL04Z19	19	58,62	64	40	22	32	34	8	-
PL04Z20	20	61,8	67	40	22	32	34	12	√
PL04Z21	21	64,95	71	40	22	32	34	12	-
PL04Z22	22	68,2	75	40	22	32	34	12	√
PL04Z24	24	74,75	83	40	22	32	34	12	√
PL04Z25	25	77,7	83	40	22	32	34	14	√
PL04Z27	27	84,1	90	40	22	32	34	14	√
PL04Z28	28	87,5	93	40	22	32	34	14	-
PL04Z30	30	93,65	99	50	22	32	34	14	√
PL04Z32	32	100	105	50	22	32	34	14	√
PL04Z35	35	109,55	-	-	22	32	34	-	-
PL04Z36	36	112,75	-	-	22	32	34	-	-
PL04Z40	40	125,45	-	-	22	32	34	-	-
PL04Z48	48	150,95	-	-	22	32	34	-	-

T 10

passo 10 mm
pitch 10 mm

larghezza cinghia 25 mm
belt width 25 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL05Z12	12	36,35	-	-	31	41	43	-	-
PL05Z14	14	42,7	-	-	31	41	43	-	-
PL05Z15	15	45,9	-	-	31	41	43	-	-
PL05Z16	16	49,08	54	35	31	41	43	8	√
PL05Z18	18	55,45	-	-	31	41	43	-	-
PL05Z19	19	-	-	-	31	41	43	-	-
PL05Z20	20	61,8	67	40	31	41	43	10	√
PL05Z21	21	65	67	40	31	41	43	10	√
PL05Z22	22	68,2	-	-	31	41	43	-	-
PL05Z24	24	74,55	-	-	31	41	43	-	-
PL05Z25	25	77,7	-	-	31	41	43	-	-
PL05Z27	27	84,1	-	-	31	41	43	-	-
PL05Z28	28	87,25	-	-	31	41	43	-	-
PL05Z30	30	93,65	-	-	31	41	43	-	-
PL05Z32	32	100	-	-	31	41	43	-	-
PL05Z35	35	109,55	-	-	31	41	43	-	-
PL05Z36	36	112,75	119	60	31	41	43	14	√
PL05Z40	40	125,45	-	-	31	41	43	-	-



Pulegge - *Pulleys*

Pulegge dentate con passo metrico AT
Timing belt pulleys metric pitch AT

AT 5

passo 5 mm
pitch 5 mm

larghezza cinghia 10 mm
belt width 10 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL11Z12	12	18,25	-	-	15,3	22	24	-	-
PL11Z13	13	-	-	-	15,3	22	24	-	-
PL11Z14	14	21,45	-	-	15,3	22	24	-	-
PL11Z15	15	23,05	-	-	15,3	22	24	-	-
PL11Z16	16	24,6	-	-	15,3	22	24	-	-
PL11Z18	18	27,8	-	-	15,3	22	24	-	-
PL11Z20	20	31	-	-	15,3	22	24	-	-
PL11Z22	22	34,25	-	-	15,3	22	24	-	-
PL11Z24	24	37,4	-	-	15,3	22	24	-	-
PL11Z25	25	38,95	-	-	15,3	22	24	-	-
PL11Z28	28	43,75	-	-	15,3	22	24	-	-
PL11Z30	30	46,95	-	-	15,3	22	24	-	-
PL11Z32	32	50,1	-	-	15,3	22	24	-	-
PL11Z35	35	54,9	-	-	15,3	22	24	-	-
PL11Z40	40	62,85	-	-	15,3	22	24	-	-
PL11Z60	60	54,9	-	-	15,3	22	24	-	-
PL11Z106	106	62,85	-	-	15,3	22	24	-	-

AT 5

passo 5 mm
pitch 5 mm

larghezza cinghia 16 mm
belt width 16 mm

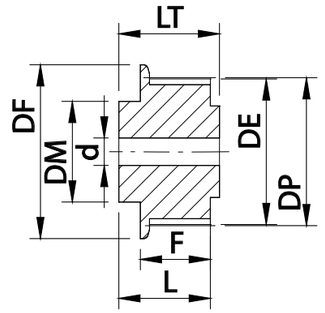
COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL12Z12	12	17,85	-	-	22	28	30	-	-
PL12Z14	14	21,04	-	-	22	28	30	-	-
PL12Z15	15	22,63	-	-	22	28	30	-	-
PL12Z16	16	24,22	32	20	22	28	30	6	√
PL12Z18	18	27,4	-	-	22	28	30	-	-
PL12Z20	20	30,6	36	24	22	28	30	6	√
PL12Z22	22	33,77	-	-	22	28	30	-	-
PL12Z24	24	36,95	-	-	22	28	30	-	-
PL12Z25	25	38,54	-	-	22	28	30	-	-
PL12Z26	26	40,14	-	-	22	28	30	-	-
PL12Z27	27	41,73	-	-	22	28	30	-	-
PL12Z28	28	43,32	-	-	22	28	30	-	-
PL12Z30	30	46,5	51	30	22	28	30	8	√
PL12Z32	32	49,68	-	-	22	28	30	-	-
PL12Z35	35	54,46	-	-	22	28	30	-	-
PL12Z40	40	62,42	67	35	22	28	30	10	√
PL12Z44	44	-	-	-	22	28	30	-	-
PL12Z60	60	94,25	99	50	22	28	30	18	√
PL12Z106	106	167,46	175	60	22	28	30	20	√

AT 10

passo 10 mm
pitch 10 mm

larghezza cinghia 16 mm
belt width 16 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL13Z15	15	45,9	-	-	22	32	34	-	-
PL13Z16	16	49,05	-	-	22	32	34	-	-
PL13Z18	18	55,45	60	30	22	32	34	10	√
PL13Z20	20	61,8	-	-	22	32	34	-	-
PL13Z22	22	68,15	-	-	22	32	34	-	-
PL13Z24	24	74,55	-	-	22	32	34	-	-
PL13Z25	25	77,7	-	-	22	32	34	-	-
PL13Z28	28	87,25	-	-	22	32	34	-	-
PL13Z30	30	93,65	-	-	22	32	34	-	-
PL13Z32	32	100	-	-	22	32	34	-	-
PL13Z35	35	109,55	-	-	22	32	34	-	-
PL13Z40	40	125,5	-	-	22	32	34	-	-



Pulegge - *Pulleys*

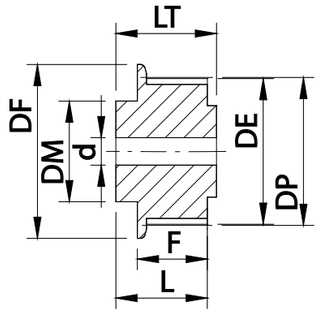
Pulegge dentate con passo metrico AT
Timing belt pulleys metric pitch AT

T 10

passo 10 mm
pitch 10 mm

larghezza cinghia 25 mm
belt width 25 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL14Z15	15	45,9	-	-	31	41	43	-	-
PL14Z16	16	49,05	-	-	31	41	43	-	-
PL14Z18	18	55,45	-	-	31	41	43	-	-
PL14Z20	20	61,8	-	-	31	41	43	-	-
PL14Z21	21	-	-	-	31	41	43	-	-
PL14Z22	22	68,15	-	-	31	41	43	-	-
PL14Z24	24	74,55	-	-	31	41	43	-	-
PL14Z25	25	77,7	-	-	31	41	43	-	-
PL14Z28	28	87,25	-	-	31	41	43	-	-
PL14Z30	30	93,65	-	-	31	41	43	-	-
PL14Z32	32	100	-	-	31	41	43	-	-
PL14Z35	35	109,55	-	-	31	41	43	-	-
PL14Z40	40	125,45	-	-	31	41	43	-	-
PL14Z41	41	128,65	-	-	31	41	43	-	-
PL14Z54	54	170	-	-	31	41	43	-	-
PL14Z84	84	265,55	-	-	31	41	43	-	-



Pulegge - *Pulleys*

Pulegge dentate in pollici
Timing belt pulleys inch pitch

MXL025

passo 0,080"(2,032 mm)
pitch 0,080"(2,032 mm)

larghezza cinghia 1/4"(6,35 mm)
belt width 1/4"(6,35 mm)

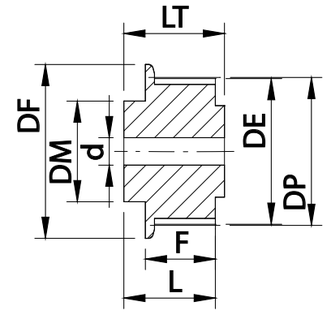
COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL21Z10	10	-	-	12	9,5	-	19	3	√
PL21Z11	11	6,6	12	12	9,5	17,5	19	3	√
PL21Z12	12	7,26	12	12	9,5	17,5	19	3	√
PL21Z13	13	7,9	12	12	9,5	17,5	19	3	√
PL21Z14	14	8,55	12	12	9,5	17,5	19	3	√
PL21Z15	15	9,2	12	12	9,5	17,5	17,5	3	√
PL21Z16	16	9,84	12	12	9,5	17,5	17,5	3	√
PL21Z17	17	10,5	12	12	9,5	17,5	19	3	√
PL21Z18	18	11,12	15	14	9,5	17,5	19	3	√
PL21Z19	19	11,78	15	14	9,5	17,5	19	3	√
PL21Z20	20	12,42	15	14	9,5	17,5	19	3	√
PL21Z21	21	13,07	18	14	9,5	17,5	17,5	4	√
PL21Z22	22	13,72	18	14	9,5	17,5	19	4	√
PL21Z23	23	14,36	18	14	9,5	17,5	19	4	√
PL21Z24	24	15,01	20	14	9,5	17,5	19	4	√
PL21Z25	25	15,66	20	14	9,5	17,5	19	4	√
PL21Z26	26	16,3	20	16	9,5	17,5	19	4	√
PL21Z27	27	16,95	20	16	9,5	17,5	19	4	√
PL21Z28	28	17,6	22	16	9,5	17,5	19	6	√
PL21Z29	29	18,24	22	16	9,5	17,5	19	4	√
PL21Z30	30	18,9	24	18	9,5	17,5	19	5	√
PL21Z31	31	19,54	24	18	9,5	17,5	19	5	√
PL21Z32	32	20,18	24	18	9,5	17,5	19	5	√
PL21Z33	33	20,83	26	18	9,5	17,5	19	5	√
PL21Z35	35	22,13	-	-	9,5	17,5	19	-	-
PL21Z36	36	22,77	-	-	9,5	17,5	19	-	-
PL21Z40	40	25,36	-	-	9,5	17,5	19	-	-
PL21Z42	42	26,65	-	-	9,5	17,5	19	-	-
PL21Z44	44	27,95	-	-	9,5	17,5	19	-	-
PL21Z48	48	30,53	36	24	9,5	17	19	5	√
PL21Z60	60	38,3	44	30	9,5	17	19	6	√
PL21Z65	65	41,53	-	-	9,5	17	19	-	-
PL21Z72	72	46,05	-	-	9,5	17	19	-	-
PL21Z80	80	51,24	-	-	9,5	17	19	-	-
PL21Z90	90	57,7	-	-	9,5	17	19	-	-
PL21Z100	100	64,17	-	-	9,5	17	19	-	-
PL21Z110	110	70,64	-	-	9,5	17	19	-	-
PL21Z120	120	77,1	81	40	9,5	17	19	-	√
PL21Z130	130	83,57	87	46	9,5	17	19	14	√

XL 037

passo 1/5"(5,08 mm)
pitch 1/5"(5,08 mm)

larghezza cinghia 3/8"(9,53 mm)
belt width 3/8"(9,53 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL22Z10	10	15,67	-	-	15,3	23	25	-	-
PL22Z11	11	17,3	-	-	15,3	23	25	-	√
PL22Z12	12	18,9	28	16	15,3	23	25	4	√
PL22Z13	13	20,51	28	16	15,3	23	25	3	√
PL22Z14	14	22,13	28	16	15,3	23	25	3	√
PL22Z15	15	23,75	28	16	15,3	23	25	3	√
PL22Z16	16	25,36	30	16	15,3	23	25	5	√
PL22Z17	17	26,98	32	18	15,3	23	25	5	√
PL22Z18	18	28,6	36	20	15,3	23	25	6	√
PL22Z19	19	30,21	36	22	15,3	23	25	6	√
PL22Z20	20	31,83	38	22	15,3	23	25	6	√
PL22Z21	24	33,45	38	24	15,3	23	25	6	√
PL22Z22	22	35,07	42	24	15,3	23	25	6	√
PL22Z23	23	36,7	-	-	15,3	23	25	-	-
PL22Z24	24	38,3	44	25	15,3	23	25	8	√
PL22Z25	25	39,91	44	25	15,3	23	25	8	√
PL22Z27	27	43,16	50	28	15,3	23	25	8	√
PL22Z28	28	44,77	50	28	15,3	23	25	8	√
PL22Z30	30	48	54	30	15,3	23	25	10	√
PL22Z32	32	51,24	-	-	15,3	23	25	-	-
PL22Z34	34	54,47	-	-	15,3	23	25	-	-
PL22Z35	35	56,09	63	35	15,3	23	25	10	√
PL22Z40	40	64,17	74	35	15,3	23	25	10	√
PL22Z42	42	67,41	75	35	15,3	23	25	10	√
PL22Z48	48	77,11	85	36	15,3	23	25	-	√
PL22Z60	60	96,51	103	50	15,3	23	25	19	√
PL22Z72	72	115,91	122	50	15,3	23	25	20	√



Pulegge - *Pulleys*

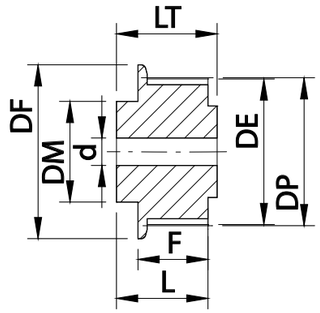
Pulegge dentate in pollici
Timing belt pulleys inch pitch

L 050

passo 3/8"(9,52 mm)
pitch 3/8"(9,52 mm)

larghezza cinghia 1/2"(12,7 mm)
belt width 1/2"(12,7 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL23Z12	12	36,52	42	24	20	33	35	8	√
PL23Z13	13	38,65	44	24	20	33	35	8	√
PL23Z14	14	41,68	-	-	20	33	35	-	-
PL23Z15	15	44,72	50	30	20	33	35	10	√
PL23Z16	16	47,75	54	30	20	33	35	10	√
PL23Z17	17	50,78	57	30	20	33	35	10	√
PL23Z18	18	53,8	-	-	20	33	35	-	-
PL23Z20	20	59,86	71	35	20	33	35	10	√
PL23Z21	21	62,91	71	35	20	33	35	10	√
PL23Z22	22	65,92	-	-	20	33	35	-	-
PL23Z24	24	71,99	-	-	20	33	35	-	-
PL23Z25	25	75,01	84	40	20	33	35	10	√
PL23Z28	28	84,1	-	-	20	33	35	-	-
PL23Z30	30	90,17	-	-	20	33	35	-	-
PL23Z32	32	96,22	-	-	20	33	35	-	-
PL23Z35	35	105,35	-	-	20	33	35	-	-
PL23Z36	36	108,35	-	-	20	33	35	-	-
PL23Z40	40	120,4	-	-	20	33	35	-	-
PL23Z42	42	126,58	134	50	20	33	35	18	√
PL23Z43	43	-	-	-	-	-	-	-	-
PL23Z60	60	181,1	-	-	20	33	35	-	-



L 075

passo 3/8"(9,52 mm)
pitch 3/8"(9,52 mm)

larghezza cinghia 3/4"(19,05 mm)
belt width 3/4"(19,05 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL24Z12	12	35,62	42	25	26,4	40	42	8	√
PL24Z14	14	41,68	-	-	26,4	40	42	-	-
PL24Z15	15	44,72	-	-	26,4	40	42	-	-
PL24Z16	16	47,75	-	-	26,4	40	42	-	-
PL24Z17	17	50,78	-	-	26,4	40	42	-	-
PL24Z18	18	53,8	-	-	26,4	40	42	-	-
PL24Z19	19	56,83	-	-	26,4	40	42	-	-
PL24Z20	20	59,86	-	-	26,4	40	42	-	-
PL24Z22	22	65,92	-	-	26,4	40	42	-	-
PL24Z24	24	71,99	-	-	26,4	40	42	-	-
PL24Z25	25	75,01	-	-	26,4	40	42	-	-
PL24Z28	28	84,1	-	-	26,4	40	42	-	-
PL24Z30	30	90,17	-	-	26,4	40	42	-	-
PL24Z32	32	96,22	-	-	26,4	40	42	-	-
PL24Z35	35	105,35	-	-	26,4	40	42	-	-
PL24Z40	40	120,4	-	-	26,4	40	42	-	-
PL24Z60	60	181,1	188	60	26,4	40	42	19	√

L 100

passo 3/8"(9,52 mm)
pitch 3/8"(9,52 mm)

larghezza cinghia 1"(25,4 mm)
belt width 1"(25,4 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL25Z12	12	35,62	42	25	32,8	46	48	8	-
PL25Z14	14	41,68	48	30	32,8	46	48	8	-
PL25Z15	15	44,72	-	-	32,8	46	48	-	-
PL25Z16	16	47,75	-	-	32,8	46	48	-	-
PL25Z17	17	50,78	57	30	32,8	46	48	10	√
PL25Z18	18	53,8	60	35	32,8	46	48	10	-
PL25Z19	19	56,83	63	35	32,8	46	48	10	-
PL25Z20	20	59,86	-	-	32,8	46	48	-	-
PL25Z21	21	62,9	-	-	32,8	46	48	-	-
PL25Z22	22	65,92	-	-	32,8	46	48	-	-
PL25Z24	24	71,99	-	-	32,8	46	48	-	-
PL25Z25	25	75,01	-	-	32,8	46	48	-	-
PL25Z28	28	84,1	-	-	32,8	46	48	-	-
PL25Z30	30	90,17	-	-	32,8	46	48	-	-
PL25Z32	32	96,22	-	-	32,8	46	48	-	-
PL25Z35	35	105,35	-	-	32,8	46	48	-	-
PL25Z40	40	120,4	-	-	32,8	46	48	-	-

Pulegge - *Pulleys*

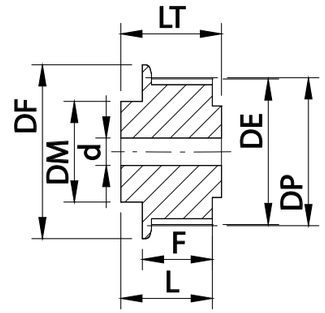
Pulegge dentate in pollici
Timing belt pulleys inch pitch

H 075

passo 1/2"(12,7 mm)
pitch 1/2"(12,7 mm)

larghezza cinghia 3/4"(19,05 mm)
belt width 3/4"(19,05 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL26Z12	12	-	-	-	-	-	-	-	-
PL26Z14	14	55,22	63	40	26,4	40	42	12	√
PL26Z15	15	59,27	-	-	26,4	40	42	-	-
PL26Z16	16	63,31	-	-	26,4	40	42	-	-
PL26Z17	17	67,35	75	41	26,4	40	42	16	√
PL26Z18	18	71,39	-	-	26,4	40	42	-	-
PL26Z19	19	75,44	83	45	26,4	40	42	16	√
PL26Z20	20	79,48	-	-	26,4	40	42	-	-
PL26Z22	22	87,56	94	45	26,4	40	42	16	√
PL26Z24	24	95,65	-	-	26,4	40	42	-	-
PL26Z25	25	99,69	-	-	26,4	40	42	-	-
PL26Z28	28	111,82	-	-	26,4	40	42	-	-
PL26Z30	30	119,9	-	-	26,4	40	42	-	-
PL26Z32	32	127,99	-	-	26,4	40	42	-	-
PL26Z35	35	140,12	-	-	26,4	40	42	-	-
PL26Z40	40	160,33	-	-	26,4	40	42	-	-



H 100

passo 1/2"(12,7 mm)
pitch 1/2"(12,7 mm)

larghezza cinghia 1"(25,4 mm)
belt width 1"(25,4 mm)

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL27Z14	14	55,22	63	40	32,8	46	48	12	√
PL27Z15	15	59,27	67	45	30,8	43	45	14	√
PL27Z16	16	63,31	-	-	32,8	46	48	-	-
PL27Z18	18	71,39	-	-	32,8	46	48	-	-
PL27Z20	20	79,48	87	45	32,8	46	48	18	√
PL27Z21	21	83,52	91	45	32,8	46	48	18	√
PL27Z22	22	87,56	-	-	32,8	46	48	-	-
PL27Z24	24	95,65	-	-	32,8	46	48	-	-
PL27Z25	25	99,69	106	50	32,8	46	48	18,5	√
PL27Z28	28	111,82	-	-	32,8	46	48	-	-
PL27Z30	30	119,9	-	-	32,8	46	48	-	-
PL27Z32	32	127,99	-	-	32,8	46	48	-	-
PL27Z35	35	140,12	146	60	32,8	46	48	16	√
PL27Z40	40	160,33	-	-	32,8	46	48	-	-
PL27Z60	60	241,18	-	-	32,8	46	48	-	-

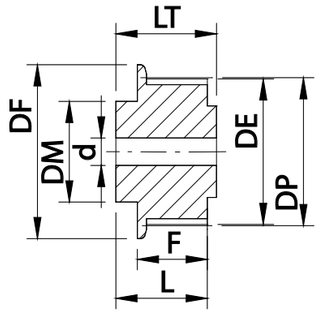
Pulegge - *Pulleys*

Pulegge dentate compatibili HTD
Timing belt pulleys HTD compatible

06 HTD 3M

passo 3 mm
pitch 3 mm

larghezza cinghia 6 mm
belt width 6 mm



COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL36Z10	10	8,79	12	12	9,5	17,5	19	3	-
PL36Z11	11	9,74	12	12	9,5	17,5	19	3	-
PL36Z12	12	10,7	16	14	9,5	17,5	19	3	-
PL36Z13	13	11,65	16	14	9,5	17,5	19	3	-
PL36Z14	14	12,61	18	14	9,5	17,5	19	3	√
PL36Z15	15	16,56	18	14	9,5	17,5	19	3	√
PL36Z16	16	14,52	20	14	9,5	17,5	19	3	√
PL36Z17	17	15,47	20	14	9,5	17,5	19	3	√
PL36Z18	18	16,43	22	14	9,5	17,5	19	3	-
PL36Z19	19	17,38	22	14	9,5	17,5	19	4	√
PL36Z20	20	18,34	24	16	9,5	17,5	19	3	-
PL36Z21	21	19,29	24	16	9,5	17,5	19	3	-
PL36Z22	22	20,25	26	16	9,5	17,5	19	4	√
PL36Z23	23	21,2	26	16	9,5	17,5	19	4	√
PL36Z24	24	22,16	28	18	9,5	17,5	19	4	√
PL36Z25	25	23,11	28	18	9,5	17,5	19	4	√
PL36Z26	26	24,07	30	20	9,5	17,5	19	5	-
PL36Z27	27	25,02	30	20	9,5	17,5	19	5	-
PL36Z28	28	25,98	32	22	9,5	17,5	19	5	-
PL36Z29	29	26,93	32	22	9,5	17,5	19	5	-
PL36Z30	30	27,89	32	24	9,5	17,5	19	6	-
PL36Z31	31	28,84	32	24	9,5	17,5	19	6	-
PL36Z32	32	29,8	34	26	9,5	17,5	19	6	-
PL36Z33	33	30,75	34	26	9,5	17,5	19	6	-
PL36Z35	35	32,66	-	-	9,5	17,5	19	-	-
PL36Z40	40	37,43	-	-	9,5	17,5	19	-	-
PL36Z60	60	56,33	-	-	9,5	17,5	19	-	-

09 HTD 3M

passo 3 mm
pitch 3 mm

larghezza cinghia 9 mm
belt width 9 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL37Z10	10	8,79	12	12	15,3	22	24	3	-
PL37Z11	11	9,74	12	12	15,3	22	24	3	-
PL37Z12	12	10,70	16	14	15,3	22	24	3	-
PL37Z13	13	11,65	16	14	15,3	22	24	3	-
PL37Z14	14	12,61	18	14	15,3	22	24	3	√
PL37Z15	15	13,56	18	14	15,3	22	24	3	√
PL37Z16	16	14,52	20	14	15,3	22	24	3	√
PL37Z17	17	15,47	20	14	15,3	22	24	3	√
PL37Z18	18	16,43	22	14	15,3	22	24	3	√
PL37Z19	19	17,38	22	14	15,3	22	24	3	√
PL37Z20	20	18,34	24	16	15,3	22	24	3	√
PL37Z21	21	19,29	24	16	15,3	22	24	3	√
PL37Z22	22	20,25	26	16	15,3	22	24	4	√
PL37Z23	23	21,20	26	16	15,3	22	24	4	√
PL37Z24	24	22,16	28	18	15,3	22	24	4	√
PL37Z25	25	23,11	28	18	15,3	22	24	4	√
PL37Z26	26	24,07	30	20	15,3	22	24	5	√
PL37Z27	27	25,02	30	20	15,3	22	24	5	√
PL37Z28	28	25,98	32	22	15,3	22	24	5	√
PL37Z29	29	26,93	32	22	15,3	22	24	5	√
PL37Z30	30	27,89	32	24	15,3	22	24	6	-
PL37Z31	31	28,84	32	24	15,3	22	24	6	-
PL37Z32	32	29,80	34	26	15,3	22	24	6	-
PL37Z33	33	30,75	34	26	15,3	22	24	6	√
PL37Z35	35	32,66	-	-	15,3	22	24	-	-
PL37Z40	40	37,43	-	-	15,3	22	24	-	√
PL37Z150	150	142,48	174	50	15,3	22	24	19	√

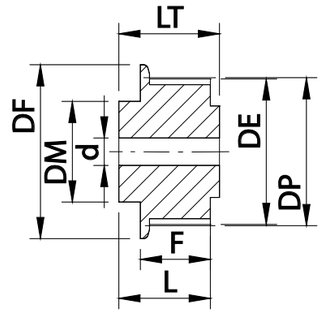
Pulegge - *Pulleys*

Pulegge dentate compatibili HTD
Timing belt pulleys HTD compatible

09 HTD 5M

passo 5 mm
pitch 5 mm

larghezza cinghia 9 mm
belt width 9 mm



COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL38Z12	12	17,95	-	-	15,3	22	24	-	-
PL38Z14	14	21,14	-	-	15,3	22	24	-	-
PL38Z15	15	22,73	-	-	15,3	22	24	-	-
PL38Z16	16	24,32	-	-	15,3	22	24	-	-
PL38Z18	18	27,51	-	-	15,3	22	24	-	-
PL38Z20	20	30,69	36	22	15,3	22	24	6	√
PL38Z22	22	33,87	-	-	15,3	22	24	-	-
PL38Z24	24	37,06	-	-	15,3	22	24	-	-
PL38Z25	25	38,65	-	-	15,3	22	24	-	-
PL38Z25	25	38,65	-	-	15,3	22	24	-	-
PL38Z28	28	43,42	-	-	15,3	22	24	-	-
PL38Z30	30	46,60	-	-	15,3	22	24	-	-
PL38Z32	32	49,79	-	-	15,3	22	24	-	-
PL38Z35	35	54,56	-	-	15,3	22	24	-	√
PL38Z40	40	65,52	71	35	15,3	22	24	12	√
PL38Z48	48	75,25	-	-	15,3	22	24	-	-
PL38Z50	50	78,44	-	-	15,3	22	24	-	-

15 HTD 5M

passo 5 mm
pitch 5 mm

larghezza cinghia 15 mm
belt width 15 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL39Z12	12	17,96	-	-	22	28	30	-	-
PL39Z14	14	21,14	-	-	22	28	30	-	-
PL39Z15	15	22,73	-	-	22	28	30	-	-
PL39Z16	16	24,32	-	-	22	28	30	-	-
PL39Z18	18	27,51	-	-	22	28	30	-	-
PL39Z20	20	30,69	-	-	22	28	30	-	-
PL39Z22	22	33,87	-	-	22	28	30	-	-
PL39Z24	24	37,06	42	28	22	28	30	8	√
PL39Z25	25	38,65	-	-	22	28	30	-	-
PL39Z26	26	40,25	46	28	22	28	30	8	√
PL39Z28	28	43,42	-	-	22	28	30	-	-
PL39Z30	30	46,6	-	-	22	28	30	-	-
PL39Z32	32	49,79	57	35	22	28	30	10	√
PL39Z35	35	54,56	-	-	22	28	30	-	-
PL39Z40	40	62,52	-	-	22	28	30	-	-
PL39Z72	72	113,45	-	-	22	28	30	-	-

25 HTD 5M

passo 5 mm
pitch 5 mm

larghezza cinghia 25 mm
belt width 25 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL40Z12	12	17,96	-	-	31	41	43	-	-
PL40Z14	14	21,14	-	-	31	41	43	-	-
PL40Z15	15	22,73	-	-	31	41	43	-	-
PL40Z16	16	24,32	-	-	31	41	43	-	-
PL40Z18	18	27,51	-	-	31	41	43	-	-
PL40Z19	19	-	-	-	31	41	43	-	-
PL40Z20	20	30,69	-	-	31	41	43	-	-
PL40Z21	21	-	-	-	31	41	43	-	-
PL40Z22	22	33,87	-	-	31	41	43	-	-
PL40Z23	23	-	-	-	31	41	43	-	-
PL40Z24	24	37,06	-	-	31	41	43	-	-
PL40Z25	25	38,64	-	-	31	41	43	-	-
PL40Z26	26	-	-	-	31	41	43	-	-
PL40Z27	27	-	-	-	31	41	43	-	-
PL40Z28	28	43,42	-	-	31	41	43	-	-
PL40Z29	29	-	-	-	31	41	43	-	-
PL40Z30	30	46,6	54	35	31	41	43	10,5	√
PL40Z32	32	49,79	-	-	31	41	43	-	-
PL40Z35	35	54,56	-	-	31	41	43	-	-
PL40Z40	40	62,52	-	-	31	41	43	-	-
PL40Z48	48	75,25	83	35	31	41	43	8	√

Pulegge - *Pulleys*

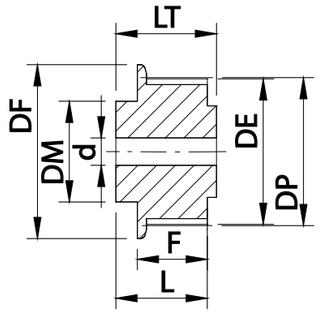
Pulegge dentate compatibili HTD
Timing belt pulleys HTD compatible

15 HTD 8M

passo 8 mm
pitch 8 mm

larghezza cinghia 15 mm
belt width 15 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL42Z15	15	36,82	-	-	22	28	30	-	-
PL42Z16	16	39,37	-	-	22	28	30	-	-
PL42Z18	18	44,46	-	-	22	28	30	-	-
PL42Z20	20	49,55	-	-	22	28	30	-	-
PL42Z22	22	54,65	-	-	22	28	30	-	-
PL42Z24	24	59,74	66	38	22	28	30	12	√
PL42Z25	25	62,3	-	-	22	28	30	-	-
PL42Z28	28	70,08	-	-	22	28	30	-	-
PL42Z30	30	75,13	-	-	22	28	30	-	-
PL42Z32	32	80,16	-	-	22	28	30	-	-
PL42Z35	35	85,75	-	-	22	28	30	-	-
PL42Z40	40	100,49	-	-	22	28	30	-	-
PL42Z64	64	161,6	169	60	22	28	30	20	√
PL42Z90	90	-	-	-	22	28	30	-	-
PL42Z100	100	253,28	-	-	22	28	30	-	-



20 HTD 8M

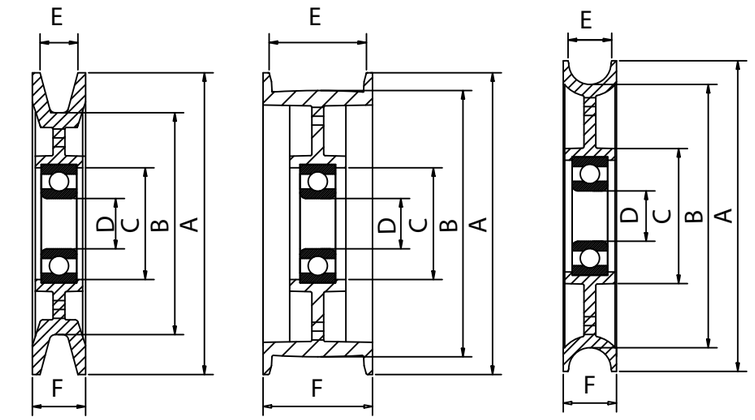
passo 8 mm
pitch 8 mm

larghezza cinghia 20 mm
belt width 20 mm

COD	Z	De	Df	Dm	F	L	LT	d	STOCK
PL41Z15	15	36,82	42	25	28	38	40	8	-
PL41Z16	16	39,37	45	30	28	38	40	8	-
PL41Z18	18	44,46	51	30	28	38	40	8	-
PL41Z20	20	49,55	54	35	28	38	40	8	-
PL41Z22	22	54,65	60	35	28	38	40	10	-
PL41Z24	24	59,74	-	-	28	38	40	-	-
PL41Z25	25	62,3	-	-	28	38	40	-	-
PL41Z28	28	70,08	-	-	28	38	40	-	-
PL41Z30	30	75,13	-	-	28	38	40	-	-
PL41Z32	32	80,16	-	-	28	38	40	-	-
PL41Z35	35	85,75	-	-	28	38	40	-	-
PL41Z40	40	100,49	-	-	28	38	40	-	-
PL41Z90	90	227,81	-	-	28	38	40	-	-
PL41Z100	100	253,28	-	-	28	38	40	-	-

Pulegge - *Pulleys*

Pulegge tendi cinghia
Timing belt pulleys



PTGT PTGP PTGR

PTGT

COD	A	B	C	D	E	F	G	STOCK
PTGT491317	76	49	38	17	13,3	18	12	√
PTGT751317	102	75	38	17	12,8	18	12	√
PTGT961517	127	96	38	17	15,8	21	12	√

PTGP

COD	A	B	C	D	E	F	G	STOCK
PTGP3098	40	30	20	8	9,2	13,2	7	√
PTGP32138	42	32	22	8	13,2	17,2	7	√
PTGP501817	62	50	38	17	18,3	22,5	12	√
PTGP502017	62	50	38	17	20,3	26	12	√
PTGP752517	87	75	38	17	25,3	29,5	12	√
PTGP753117	87	75	38	17	31,3	35,5	12	√
PTGP753117D	87	75	38	17	31,3	35,5	24	√
PTGP901817	102	90	38	17	18,3	22,5	12	-
PTGP903117	102	90	38	17	31,3	35,5	12	-
PTGP903117D	102	90	38	17	31,3	35,5	24	-
PTGP903617D	102	90	38	17	36,3	40,5	24	-
PTGP1153617	127	115	38	17	26,6	30,5	12	-

PTGR

COD	A	B	C	D	E	F	G	STOCK
PTGR621017	76	62	38	17	10,3	18	12	√
PTGR891417	105	89	38	17	14,3	18	12	√
PTGR951117	114	95	38	17	11,3	20	12	√

GIUNTI

GEAR COUPLING

Giunti - *Gearcouplings*

Giunti dentati oscillanti in PA6
Thermoplastic gear couplings

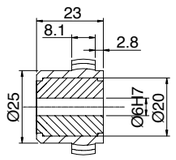
M = Semigiunto maschio
M = Male coupling

F = Semigiunto femmina
F = Female coupling

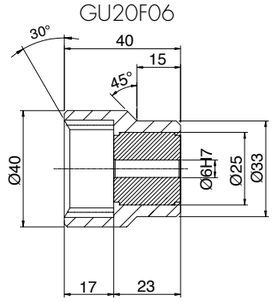
- Giunto in poliammide tipo PA 6 addittivato con Bisolfuro di Molibdeno, con inserto in alluminio
- Compensa disallineamenti radiali, angolari e assiali
- Di semplice montaggio
- Di peso ridotto e ridotto momento d'inerzia
- Campo d'impiego : -25°C;150°C
- Disponibile con foro finito e cave per chiavetta sec. DIN 6885 e grano di fissaggio M5
- Toll. Foro: H7, Cava per chiavetta: ± 0,08

- Gear couplings in polyamide type PA 6 + Molybdenum disulfide with aluminium insert
- Compensation of radial, angular and axial maladjustments
- Easy assembling
- Low weight and reduced moment of inertia
- Use temperature: -25°C; 150°C
- Available with finished hole and keyways according to DIN 6885 and security dowel M5
- Hole tolerance: H7, Keyway: ±0,08

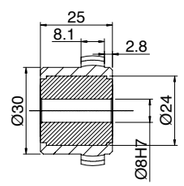
GU20M06



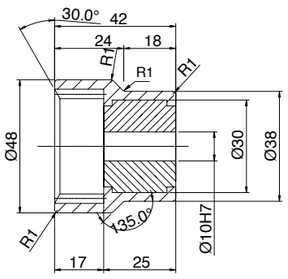
GU20F06



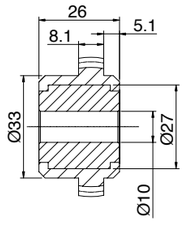
GU24M08



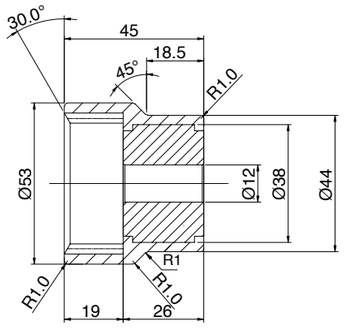
GU24F10



GU28M10

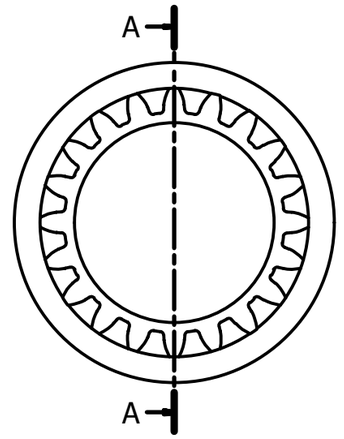


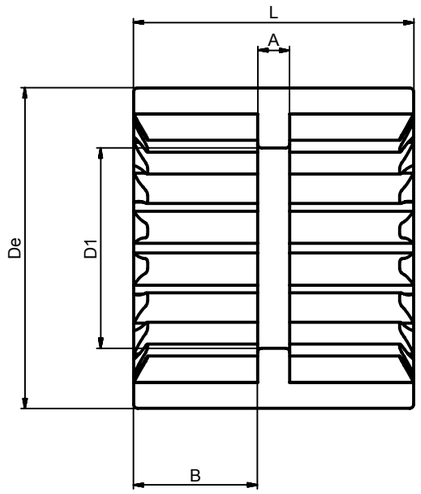
GU28F12



Manicotti per Giunti in PA6

Poliammyde sleeve for Toothed couplings

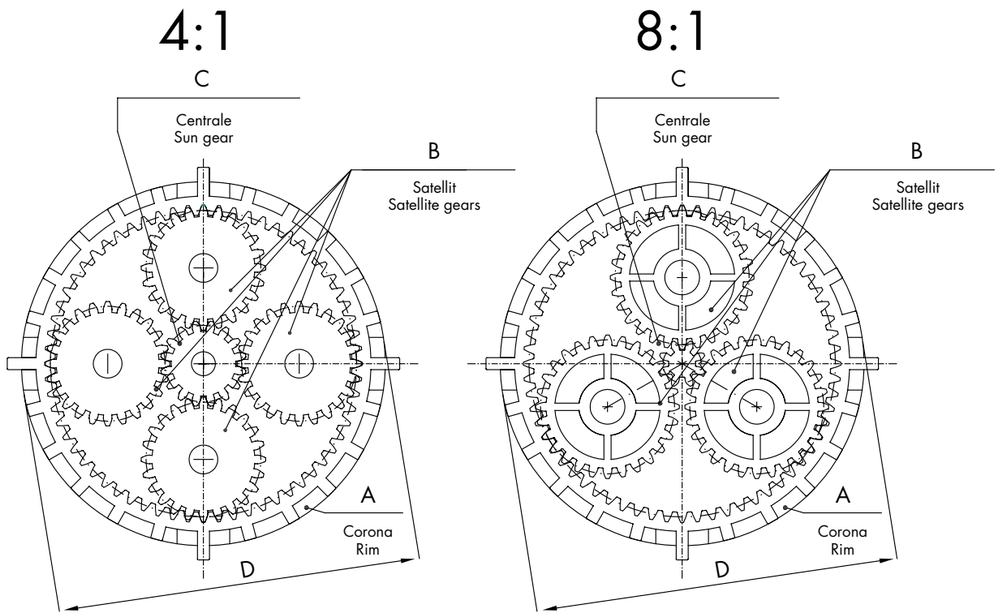




	DIAMETRO ESTERNO	NUMERO DENTI	MODULO				
CODICE	De	Z	M	D1	A	L	B
GH20	40	20	1,5	25	4	35	15,5
GH24	48	24	1,5	31	4	35	15,5
GH28	53	28	1,5	37	4	40	18
GH34	66	34	1,5	40	4	46	21

Riduttori epicicloidali - *Planetary gears*

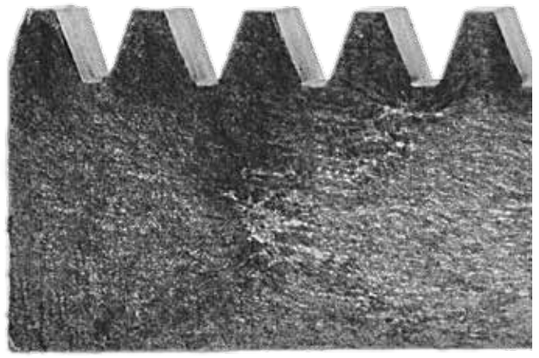
Riduttori epicicloidali in Nylon 6÷30% fv.
Planetary gears in Nylon 6÷30% gf



-Il rapporto di trasmissione indicato nella seguente tabella è basato sulla configurazione del riduttore a satelliti fissi (B), ingranaggio motore (C) e ingranaggio condotto (A). Informiamo che nel riduttore epicicloidale l'ingranaggio centrale (C) non viene fornito.

-The transmission ratio showed in the shedule below is based on the configuration of the planetary gear with fix satellite gears (B), sun gear (C) and the satellite gears (A). Please note that the sun gear (C) is not included.

CODICE CORONA (A)	MODULO	Z	DIAMETRO ESTERNO (D)	ALTEZZA GHIERA		STOCK
SP136	1	64	76	23		√
SP056	1,5	64	110	19		√
CODICE SATELLITI (B)	**MODULO**	**Z**	**RAPPORTO RATIO**	**INGRANAGGIO CENTRALE SUN GEAR**	**FASCIA DENTE TOOTH WIDTH**	**STOCK**
CL01024N	1	24	1:4	16	15	√
SP139	1	28	1:8	8	15	√
CL01026N	1	26	1:6	12	15	√
CL01016N	1	16	1:2	32	15	√
CL15024N	1,5	24	1:4	16	17	√
SP055	1,5	28	1:8	8	17	√
CL15026N	1,5	26	1:6	12	17	√
CL15016N	1,5	16	1:2	32	17	√



CREMAGLIERE

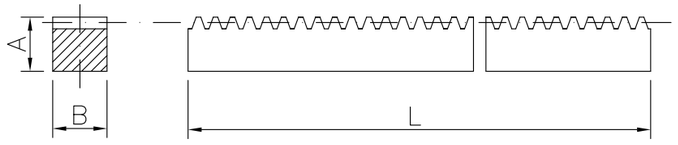
RACKS

Cremagliere - *Racks*

Cremagliere a settori, angolo di pressione 20° secondo DIN 782 in Nylon 6÷30% fv.
Section racks pressure angle 20° according to DIN 782 in Nylon 6÷30% gf

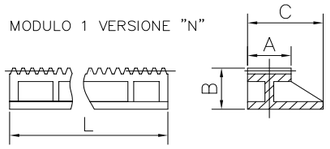
STANDARD

CODICE	MODULO	A	B	L	STOCK
CE05X250	0,5	8	8	250	√
CE1X150	1	15	15	150	√
CE1X250	1	15	15	250	√

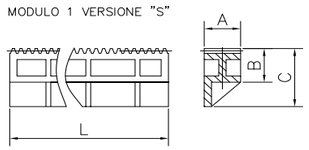


CODICE	MODULO	VERSIONE	A	B	C	L	STOCK
CE1X150N	1	N	15	15,5	25,5	150	√
CE1X150S	1	S	15	15,5	26,5	150	√
CE1X150T	1	T	15	13	4	150	√
CE1X250N	1	N	15	15,5	25,5	250	√
CE1X250S	1	S	15	15,5	26,5	250	√
CE1X250T	1	T	15	13	4	250	√

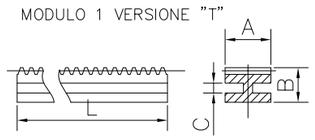
MODULO 1 VERSIONE "N"



MODULO 1 VERSIONE "S"



MODULO 1 VERSIONE "T"



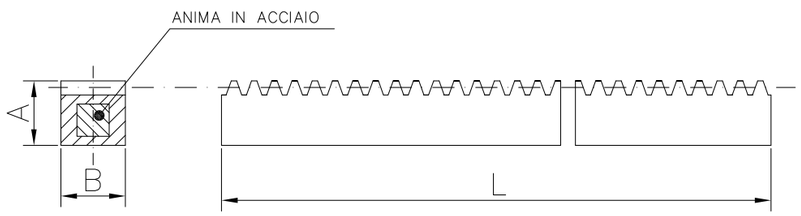
NUOVA

Cremagliera di precisione con anima in acciaio. Tolleranza sul passo, sulla lunghezza totale di 565mm di +-0,2mm.

NEW

New Pa6 rack, with very high precision on the 90 teeth pitch (565,2mm) ±0.2mm

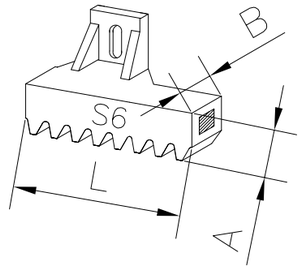
CODICE	MODULO	A	B	C	L	STOCK
CE1X350	1	15	15	8 x 8	350	√
CE15X250	1,5	17	17	8 x 8	250	√
CE15X500	1,5	17	17	8 x 8	565,2	√
CE2X250	2	20	20	10 x 10	250	√
CE2X500	2	20	20	10 x 10	565,2	√
CE3X250	3	30	30	15 x 15	250	√
CE3X500	3	30	30	15 x 15	500	√
CE3X1000	3	30	30	15 x 15	1000	√
CE4X1000	4	28	20	10 x 10	1000	√

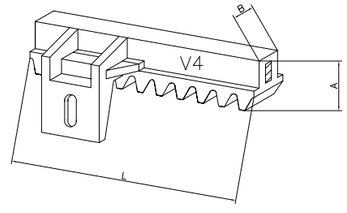


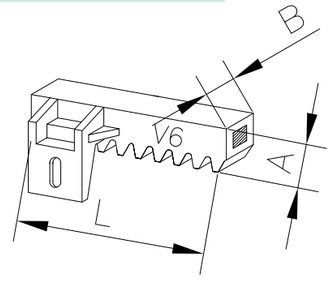
Cremagliere - *Racks*

Cremagliere a settori, angolo di pressione 20° secondo DIN 782 in Nylon 6÷30% fv.
Section racks pressure angle 20° according to DIN 782 in Nylon 6÷30% gf

CODICE	M	A	B	L	PORTATA (KG)
V4	4	28	12	1005	400
V6	4	28	20	1020	600
S6	4	28	20	1020	600

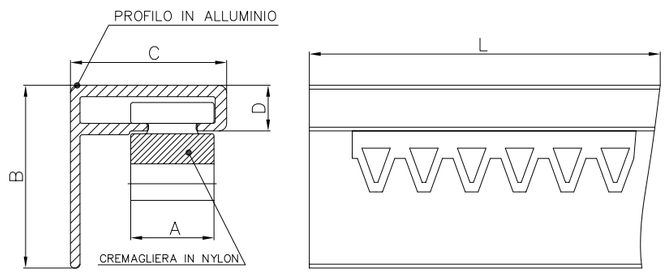


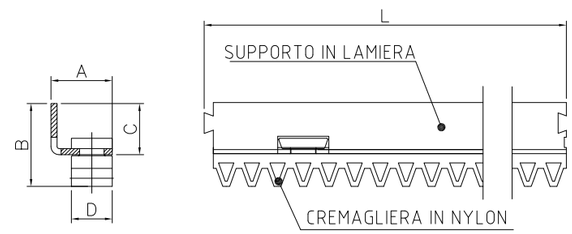




SPECIALI

CODICE	MODULO	A	B	C	D	L	STOCK
ACRV 20	4	20	48	41	12	500	√
ACRS 20	4	25	42	28	20	490	√



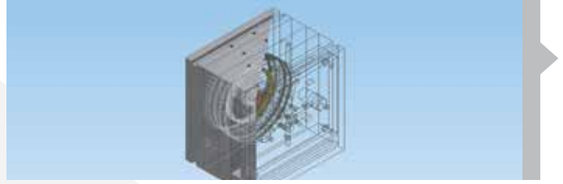


Metodo lavorativo - *Workflow*

1 DOMANDA DEL CLIENTE *Customer needs analysis*

2 PROGETTAZIONE *Product Design*

3 PROGETTAZIONE DELLO STAMPO *Mold Tooling Design*



4 CAMPIONATURA Samples *Production*

5 APPROVAZIONE DEL CLIENTE *Samples approved*

6 PRODUZIONE *Production*

UFFICIO TECNICO
Technical department

PROGETTAZIONE INGRANAGGI KISSSOFT
Gear designed using Kisssoft

UTILIZZO CAD INVENTOR, PRO-E, SOLIDWORKS
We use Cad Inventor, Pro-E and Solidworks

PROGETTAZIONE E REALIZZAZIONE STAMPI E ANALISI MOLD FLOW
We design and realize all the Mold tooling with Mold Flow analysis when required

PRODUZIONE
Production

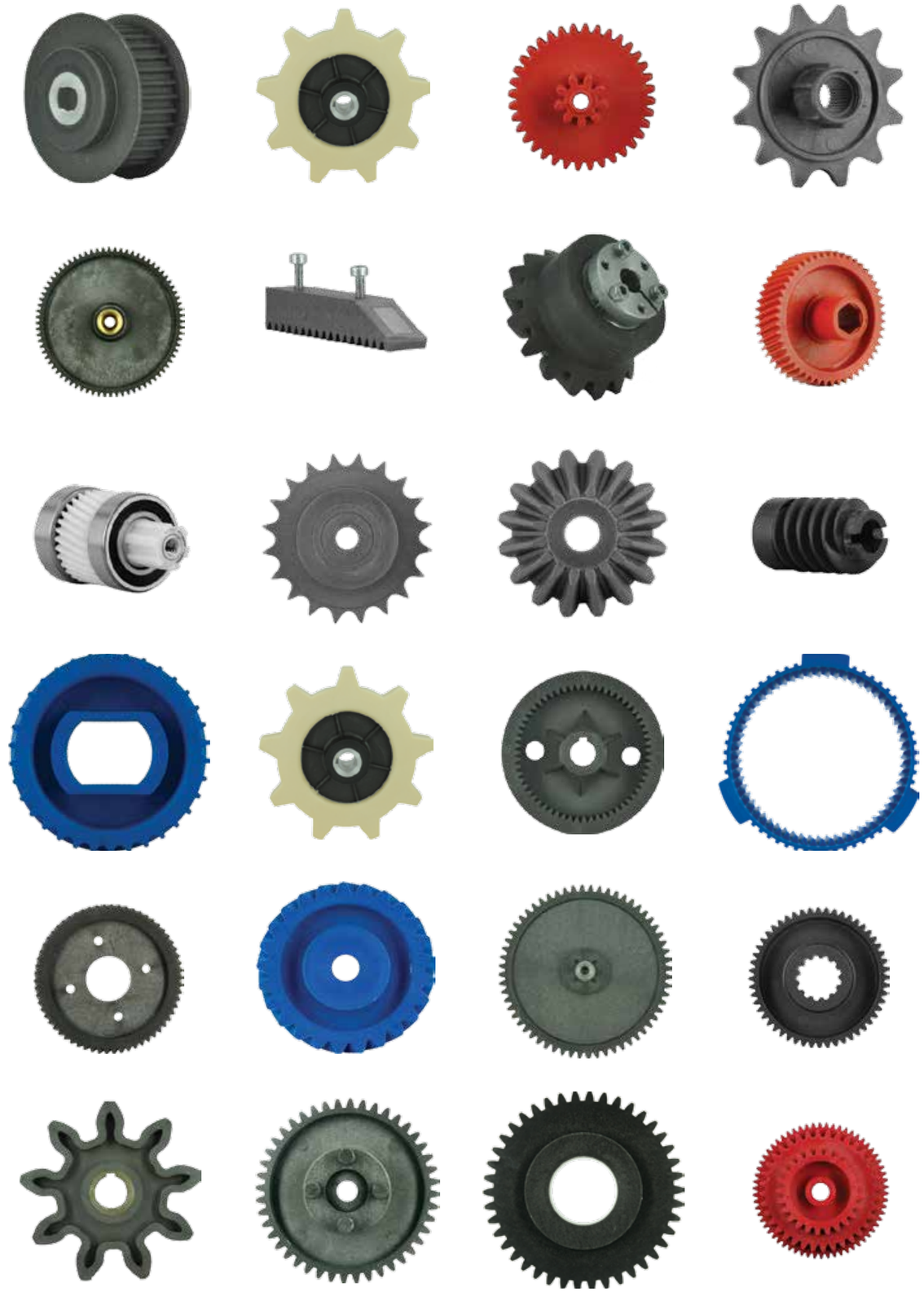
13 PRESSE INIEZIONE
13 injection molding machines

2 MAGAZZINI CENTRALIZZATI
2 automatic storage machines

3 MACCHINE DI CABLAGGIO INGRANAGGI PER TEST
3 gear tests machines

3 CENTRI LAVORO CNC
3 CNC machines

2 ROBOT
2 robots



Condizioni di vendita

Sales conditions

1. ORDINI. Gli ordini fatti per materiale standard e speciale devono essere sempre riferiti a precise offerte da parte della Società STAGNOLI T.G.® s.r.l. e gli ordinativi sono impegnativi per il cliente. Non si accettano modifiche o annullamenti dell'ordine se questo è già in produzione, salvo risarcimento del costo della lavorazione fino a quel momento eseguita. La quantità spedita può variare del ±5% rispetto a quella ordinata.
2. PREZZI. I prezzi si intendono quelli in vigore al momento dell'ordine e tutti i ns. listini sono in Lire ed Euro. La Società STAGNOLI T.G.® s.r.l. si riserva la facoltà di modificare i prezzi del materiale ordinato nel caso in cui si verificassero degli aumenti considerevoli nel mercato delle materie prime. I prezzi sono da considerarsi franco Desenzano del Garda (BS) ed imballo compreso.
3. TERMINI DI CONSEGNA. Sono da considerarsi validi solo i termini di consegna confermati dalla Società STAGNOLI T.G.® s.r.l., che comunque rimangono indicativi. Per cause esterne alla ns. volontà la stessa Società potrà automaticamente modificare la data di consegna senza riconoscere nessun tipo di rimborso per l'eventuale ritardo. Il cliente ha comunque l'obbligo del ritiro del materiale speciale ordinato.
4. SPEDIZIONI. Le spedizioni si intendono a carico del cliente e nel caso in cui è la Società STAGNOLI T.G.® a spedire, si riserva di utilizzare il mezzo più economico, non accollandosi nessun rischio e pericolo.
5. IMBALLO. L'imballo è gratis nelle forme standard, al costo se particolare.
6. TERMINI DI PAGAMENTO. Il termine di pagamento è quello indicato in fattura. In caso di mancato pagamento alla data stabilita la Società STAGNOLI T.G.® si riserva di applicare gli interessi sul ritardato pagamento ai tassi correnti in uso.
7. RESI. Non si accettano resi di merci se non preventivamente concordati con l'ufficio commerciale della Società STAGNOLI T.G.® e non oltre gli 8 gg. dal ricevimento della merce. Eventuali reclami sono da fare in modo scritto.
8. GARANZIA. La Società STAGNOLI T.G.® non assume nessuna responsabilità né riconosce indennizzi di sorta per danni che si verificassero durante l'impiego dei suoi prodotti anche se difettosi. La stessa si impegna a riparare o sostituire gratuitamente quegli articoli riconosciuti difettosi. La merce contestata deve essere resa alla Società STAGNOLI T.G.® franco di ogni spesa e ove necessario sdoganata.
9. PROPRIETA'. Nel caso di vendita di beni durevoli con pagamento a rate (stampi, atttrezzature, etc.), si applica il patto di riservato dominio, regolato dall'art. 1523 CC. L'alienazione è conclusa con la riserva della proprietà dei beni venduti fino al completo pagamento del relativo prezzo. Pertanto, la proprietà di quanto venduto passerà all'acquirente solo al momento del saldo del prezzo, egli non potrà disporne con atti di locazione, alienazione, etc.
10. FORO COMPETENTE. Qualsiasi controversia inerente ai rapporti commerciali con la Società STAGNOLI T.G.® sarà di competenza del Tribunale di Brescia.

1. ORDERS. Orders for standard and special items must always refer to precise offers made by Stagnoli T.G.®, moreover purchase orders are binding for the customers. Order modifications or cancellations are not accepted if the production has already started, except for the compensation of the manufacturing costs mat up cancellation. The quantity delivered can vary from ± 5% compared to the quantity purchased.
2. PRICES. The prices specified are those current at the date of the order and our price lists are printed in Euro only. Stagnoli T.G.® has the right to modify the price of the material if there should be a price increase in the raw-material market. Please note that our prices are Ex Works from the factory seat in Desenzano del Garda (BS); standard packaging costs are included .
3. DELIVERY TERMS. Only the delivery terms stated by Stagnoli T.G.® have to be considered valid, even though they are not binding. Due to causes beyond its control, Stagnoli T.G.® has the right to change delivery terms without being obliged to repay the customer for the damage caused. Customers are obliged to pick up the special material they purchased.
4. DELIVERIES. The customer has to pay for the forwarding costs and if Stagnoli T.G.® has to arrange the forwarding, it has the right to use the most economic means of transport without taking any risk upon itself.
5. PACKINGS. Standard packaging is generally free of charge, special packaging has a special cost.
6. TERMS OF PAYMENT. The expiry date of the payment is cleary shown in the invoice. If the invoice has not been paid before the expiry date, Stagnoli T.G.® has the right to impose the payment of the total amount plus the interest rates increased by 4 percentage points.
7. SALES RETURNED. We do not accept sales returns unless the customer has previously agreed upon with Stagnoli T.G.®'s sales dept. within 8 days from the delivery of the goods. Complaints have to be put forward by letter or fax.
8. WARRANTY. Stagnoli T.G.® does not take any responsability upon itself and does not accept any claim for damages involved in the use of its products even if faulty. We are ready to repair or replace faulty items free of charge. Faulty items have to be sent back to Stagnoli T.G.® carriage, packaging and custom free.
9. OWNERSHIP. When durable goods (such as moulds, tooling equipment, etc.) are delivered with payment by instalments, the reserved domain pact is applied, regulated by article 1523 CC. The sale can be considered concluded, with due reservations on the property of the sold articles, until the full payment of the price agreed upon. The ownership of the sold items will not be transferred to the customer until full payment is received, goods may not be transferred or alienated etc.
10. COMPETENT COURT. Any controversy concerning trading relations with Stagnoli T.G.® will be within the jurisdiction of the Brescia courthouse.

ML00000 REV 25/2/2016

Stagnoli s.r.l.

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