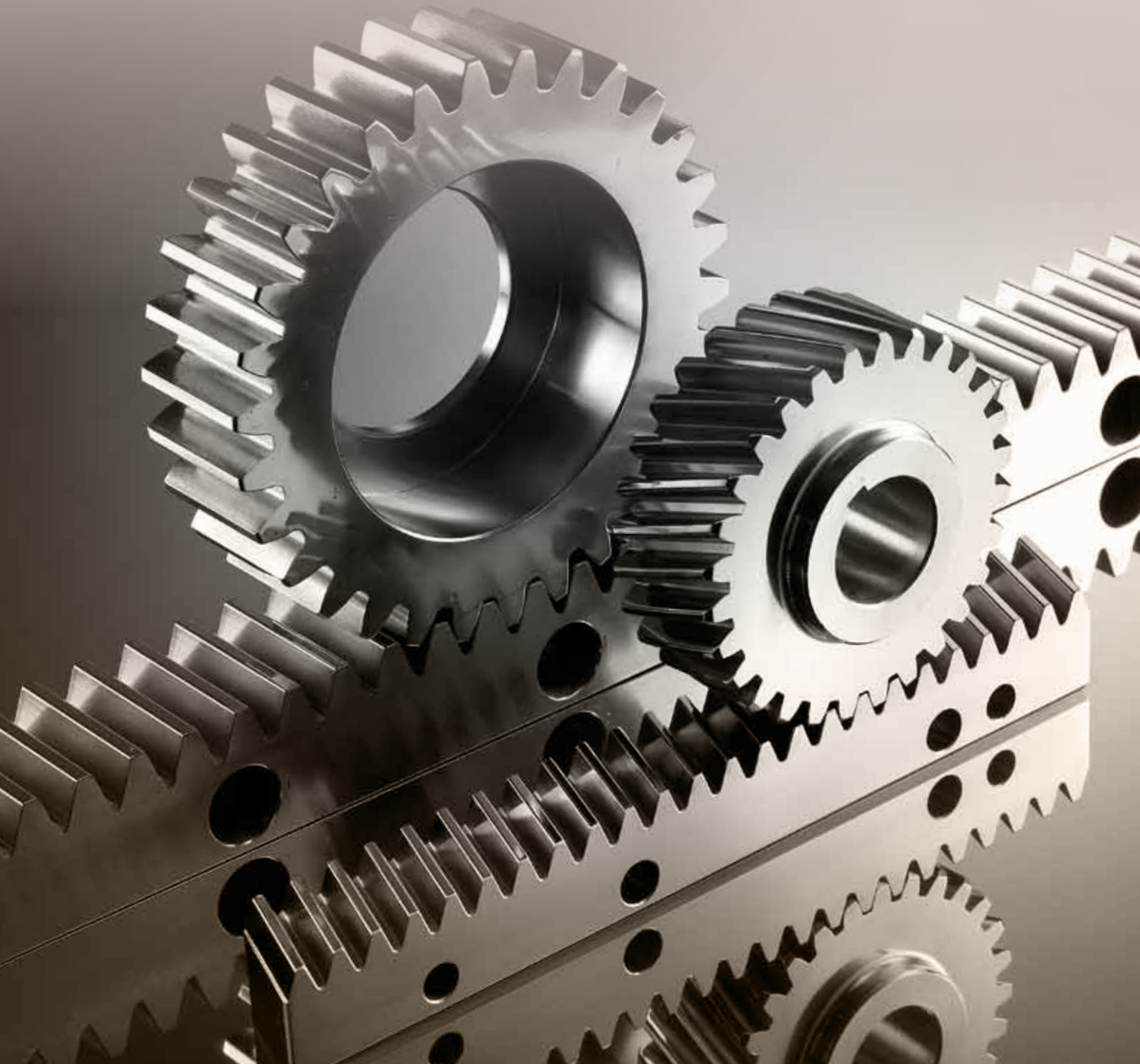
rev.04/2014

GAMBINI meccanica

CATALOGO PRODOTTI
PRODUCTS CATALOGUE

PRECISIONE E RESISTENZA
LA COMBINAZIONE PERFETTA

PRECISION AND RESISTANCE
THE PERFECT COMBINATION



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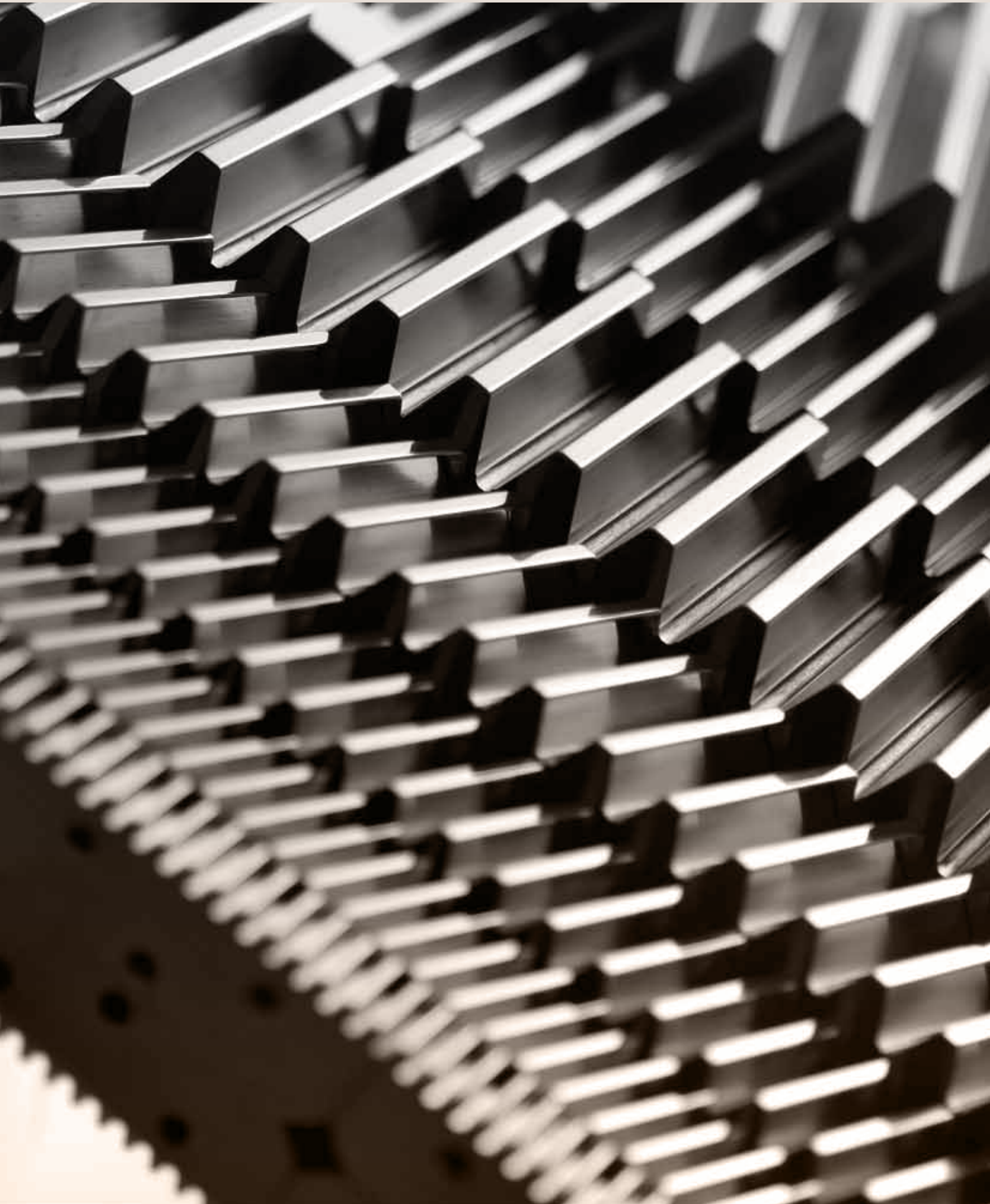
CATALOGO PRODOTTI

PRODUCTS CATALOGUE



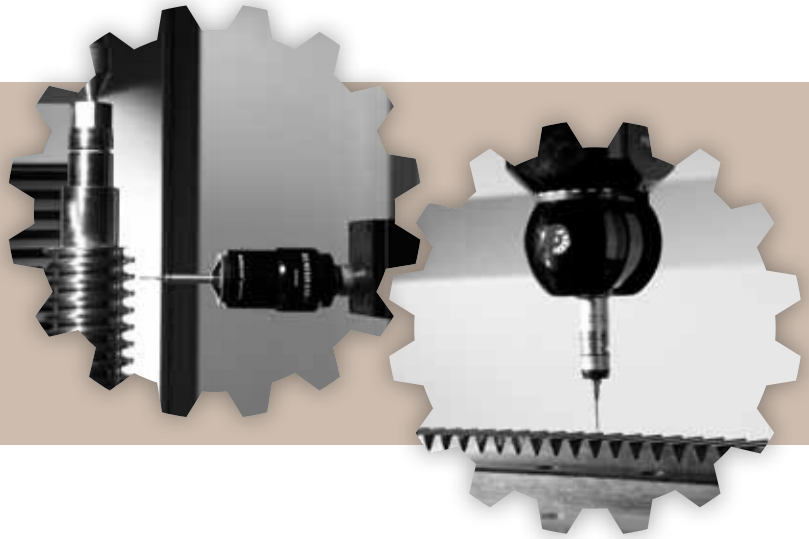
NEI NOSTRI PRODOTTI OFFRIAMO PRECISIONE, TECNOLOGIA E RESISTENZA.

IN OUR PRODUCTS WE OFFER PRECISION, TECHNOLOGY AND RESISTANCE.

GAMBINI MECCANICA

Gambini Meccanica offre ai suoi clienti un catalogo di prodotti standardizzati, che raggiungono alti livelli qualitativi proprio perché realizzati con materiali di prima scelta e con l'esperienza che l'azienda ha sviluppato in anni di produzione e di collaborazione con i propri clienti.

Gambini Meccanica offers to its customers a catalogue of standard products, which reach the highest quality level thanks to the best materials used and to the experience the company has developed after years of production and collaboration with its customers.



Gambini Meccanica viene fondata nel 1978 e si è specializzata principalmente nella produzione di organi di trasmissione meccanici di alta precisione che trovano applicazione in vari settori industriali. Nata come realtà artigianale, oggi è un'**azienda certificata (UNI EN ISO 9001/2008 e OHSAS 18001/2007)**, tecnologicamente avanzata e strutturata con impianti di produzione all'avanguardia e in costante aggiornamento. Internamente si avvale di risorse umane altamente qualificate per offrire risposte personalizzate alle più complesse esigenze dei clienti. La **flessibilità produttiva** e l'automazione aziendale permettono oggi la realizzazione di prodotti a prezzi altamente competitivi in tutto il mondo, sia nelle caratteristiche standard, sia nelle personalizzazioni più elaborate.

Gambini Meccanica was founded in 1978 and it has specialized mainly in the production of transmission gears. It was born as an hand-crafted reality, while today it is a **certified company (UNI EN ISO 9001/2008 and OHSAS 18001/2007)**, technologically advanced and structured with state-of-the-art and continuously updated production plants. Internally Gambini Meccanica has highly qualified personnel in order to offer customized answers to the most complex demands of every customer. Today, thanks to the **production flexibility** and to the industrial automation, Gambini Meccanica is able to realize products with high competitive prices in all over the world, both with standard features and with the most elaborate customizations.

GAMBINI meccanica

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DESCRIZIONE PRODOTTI

PRODUCTS DESCRIPTION

CREMAGLIERE A DENTI ELICOIDALI E DRITTI

Gambini Meccanica produce cremagliere di precisione a denti elicoidali e a denti dritti utilizzando svariate tipologie di materie prime. Le cremagliere vengono prodotte da modulo 0,5 a modulo 30, dalla classe di qualità 5 alla qualità 10. Per le cremagliere qualità 5 la lunghezza massima è di 1000 mm, mentre per le cremagliere qualità 6 si possono produrre singoli pezzi fino ad una lunghezza massima di 2000 mm.

HELICAL AND STRAIGHT RACKS

Gambini Meccanica realizes precision racks with straight and helical tooth system by employing various typologies of raw materials. We manufacture racks from module 0,5 until module 30, from quality class 5 up to quality class 10. For racks quality 5 the maximum length is 1000 mm, while for racks quality 6 we produce single pieces up to 2000 mm.

INGRANAGGI A DENTI ELICOIDALI E DRITTI

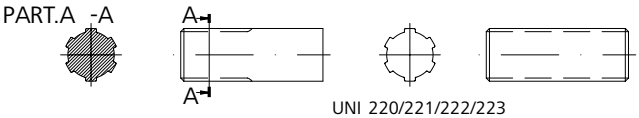
Gambini Meccanica realizza ingranaggi di precisione fino ad un modulo massimo M30, con profili finiti di utensile o rettificati, a dentatura frontale o elicoidale, destra o sinistra con qualsiasi inclinazione. Il massimo diametro esterno realizzabile è di 1000 mm. I materiali utilizzati sono dei più svariati tra cui: C45, 18NiCrMo5, 38NiCrMo5 bonificato, 16MnCr5 bonificato, tutti i materiali legati o non legati, nylon vari, leghe di ghisa, leghe di comune bronzo e bronzo-alluminio, leghe di alluminio, acciai inox, diverse tipologie di bacheliti.

HELICAL AND STRAIGHT GEARS

Gambini Meccanica manufactures precision gears up to a maximum module M30, with just milled or ground profiles, with straight or helical tooth system, right- or left-hand with any possible inclination. The maximum external diameter we can realize is up to 1000 mm. We use many different raw materials: C45, 18NiCrMo5, hardened and tempered 38NiCrMo5, hardened and tempered 16MnCr5, all the alloy or not alloy materials, different types of nylon, cast irons, alloys of common bronze and bronze-aluminium, alloys of aluminium, stainless steel and different typologies of Bakelite.

ALBERI SCANALATI

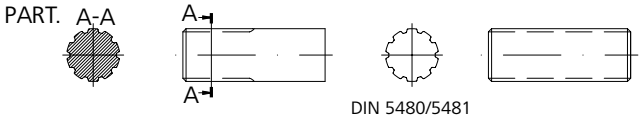
Gambini Meccanica realizza alberi scanalati UNI 220/221/222/223 e DIN 5480/5481, finiti di utensile o rettificati, con un diametro massimo di 120 mm per una lunghezza massima di 1000 mm. I materiali utilizzati sono normalmente i seguenti: C45, 18NiCrMo5, 38NiCrMo3 bonificato, 20NiCr5.



UNI 220/221/222/223

SPLINED SHAFTS

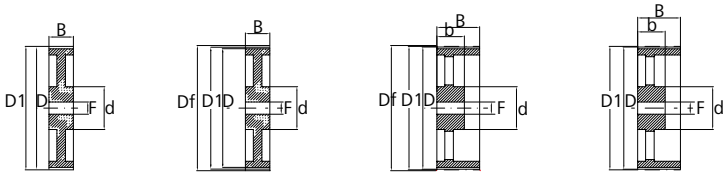
Gambini Meccanica manufactures just milled or ground UNI 220/221/222/223 and DIN 5480/5481 splined shafts, with a maximum diameter of 120 mm and a maximum length of 1000 mm. The materials employed are usually the following ones: C45, 18NiCrMo3, hardened and tempered 38NiCrMo3 and 20NiCr5.



DIN 5480/5481

PULEGGE

Gambini Meccanica realizza pulegge con profili L, XL, MXL, HTD3M, HTD5M, HTD8M, HTD14M, T10, T20, T5, AT5, AT10, AT20, AT5 gioco 0, AT10 gioco 0. I materiali impiegati sono dei più svariati tra cui: acciai legati, ghise, alluminio, acciaio inox, nylon. Vengono realizzati inoltre a richiesta barrotti speciali anche a disegno.

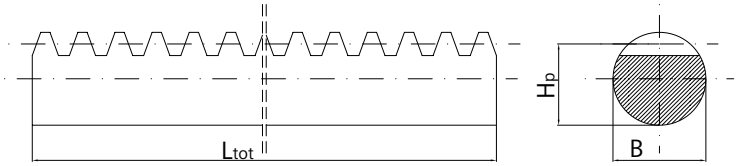


PULLEYS

Gambini Meccanica produces pulleys with the following profiles: L, XL, MXL, HTD3M, HTD5M, HTD8M, HTD14M, T10, T20, T5, AT5, AT10, AT20, AT5 zero slack, AT10 zero slack. The utilized materials are the most various: alloy steels, cast irons, aluminium, stainless steel and nylon. It's also possible to produce special pulleys, according to the customer's drawing, upon request.

CREMAGLIERE DA TONDO

Gambini Meccanica realizza cremagliere da sezione tonda, dallo stato superficiale rettificato o trafilato, con dentatura frontale o elicoidale, destra o sinistra. Le classi di qualità e i moduli realizzabili sono quelli standard e la lunghezza può raggiungere 3000 mm. I materiali utilizzati sono normalmente i seguenti: SAE1141, C45, 39NiCrMo5 bonificato e acciaio inox.

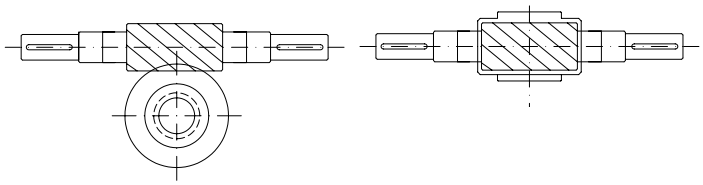


ROUND RACKS

Gambini Meccanica manufactures round racks, with ground or drawn surface, with straight or helical tooth system, right- or left-hand. Quality classes and modules which can be realized are the standard ones and the length is up to 3000 mm. The most common raw materials employed are the following ones: SAE1141, C45, hardened and tempered 39NiCrMo5 and stainless steel.

ACCOPPIAMENTO VITE-CORONA

Gambini Meccanica realizza accoppiamenti vite/corona fino a massimo modulo M30, finite di utensile o rettificate, con diverse tipologie di materiali: acciai legati, acciai legati e bonificati, acciai cementati e temprati, acciaio inox.



WORM GEARS

Gambini Meccanica manufactures worm gears up to a maximum module M30, just milled or ground, with different raw materials: alloy steel, hardened and tempered alloy steel, case-hardened and induction-hardened steel and stainless steel.

TRATTAMENTI TERMICI E SUPERFICIALI

I trattamenti termici realizzabili sulle cremagliere di precisione e ingranaggi Gambini Meccanica sono svariati. I più tipici e richiesti sul mercato sono il trattamento termico di tempra ad induzione sulle cremagliere e la cementazione e tempra sugli ingranaggi. Sono chiaramente disponibili tutte le tipologie di articoli esenti da qualsiasi trattamento termico. Diversi trattamenti superficiali sono realizzabili a seguito di appositi studi di fattibilità allo scopo di proteggere i particolari da corrosione ed usura. È possibile inoltre l'applicazione di vernici o trattamenti coloranti.

HEAT- AND SURFACE-TREATMENTS

Gambini Meccanica can perform different types of heat-treatments on its accuracy racks and gears. The most common and requested heat-treatments in the market are the induction-hardening for racks and the case-hardening and induction-hardening for gears. Obviously we offer also all our items without heat-treatment. After specific studies we can realize different surface-treatments in order to protect the pieces against corrosion and wear. Finally it's possible the application of particular painting or colored treatments.

LUNGHEZZE

Le cremagliere di precisione Gambini Meccanica possono essere realizzate in lunghezze fino a 3000 mm in un unico spezzone. La maggior precisione si raggiunge chiaramente eseguendo spezzoni di cremagliere di lunghezze inferiori. La classica cremagliera viene realizzata in spezzoni da 1000 e 2000 mm. Le cremagliere sono sempre tutte giuntabili tra loro fino a raggiungere lunghezze praticamente infinite. Per semplificare ed assistere la giunzione degli spezzoni di cremagliera Gambini Meccanica realizza due sistemi che si differenziano tra loro per la precisione di giunzione realizzabile e di conseguenza il relativo costo. Anche in questo caso i tecnici Gambini Meccanica si rendono disponibili per illustrare nel dettaglio le specifiche tecniche relative ai sistemi di giunzione cremagliere.

LENGHTS

Gambini Meccanica can manufacture accuracy racks until a maximum length of 3000 mm. Obviously the best accuracy can be reached with shorter racks. The standard rack presents a length of 1000 mm and 2000 mm. The racks are all produced for continuous mounting, so that they can be connected one with each other until the desired length. In order to simplify and assist the mounting of the racks Gambini Meccanica offers two different systems, which differ from each other in their joint accuracy and consequently in the related cost. Our technicians are at customers disposal in order to explain all the details related to the joint rack systems.

CARATTERISTICHE TECNICHE

CLASSI DI PRECISIONE

Le cremagliere Gambini Meccanica possono essere realizzate in differenti classi di precisione. Nelle seguenti tabelle vengono indicate le classi di precisione più utilizzate Q5, Q6, Q7, Q8 riferite alle diverse lunghezze di produzione; gli errori ammissibili indicati risultano essere quello singolo sul passo e quello sul totale dei passi. Inoltre i tecnici Gambini Meccanica sono sempre a disposizione per eventuali delucidazioni sulle caratteristiche di precisione delle cremagliere.

	QUALITÀ QUALITY CLASSES	**TOLLERANZE DI QUALITÀ** QUALITY TOLERANCES

M2 L500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
5	-0.005/0.005 mm	-0.020/0.020 mm
6	-0.008/0.008 mm	-0.035/0.035 mm
7	-0.011/0.011 mm	-0.040/0.040 mm
8	-0.016/0.016 mm	-0.056/0.056 mm

M3 L500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
5	-0.006/0.006 mm	-0.022/0.022 mm
6	-0.009/0.009 mm	-0.035/0.035 mm
7	-0.011/0.011 mm	-0.042/0.042 mm
8	-0.016/0.016 mm	-0.063/0.063 mm

M4 L500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
5	-0.007/0.007 mm	-0.025/0.025 mm
6	-0.009/0.009 mm	-0.035/0.035 mm
7	-0.012/0.012 mm	-0.045/0.045 mm
8	-0.018/0.018 mm	-0.071/0.071 mm

M5 L500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
5	-0.007/0.007 mm	-0.025/0.025 mm
6	-0.010/0.010 mm	-0.035/0.035 mm
7	-0.012/0.012 mm	-0.045/0.045 mm
8	-0.018/0.018 mm	-0.071/0.071 mm

M6 L500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
5	-0.007/0.007 mm	-0.025/0.025 mm
6	-0.010/0.010 mm	-0.035/0.035 mm
7	-0.012/0.012 mm	-0.045/0.045 mm
8	-0.018/0.018 mm	-0.071/0.071 mm

TECHNICAL FEATURES

QUALITY CLASSES

Gambini Meccanica racks can be realized according to different quality classes. The most common quality classes are reported in the following tables: Q5, Q6, Q7, Q8 with different lengths. The allowable errors here following reported are the single pitch error and the total pitch error. Furthermore our technicians are always available for further explanations as concerns the quality classes of the racks.

	QUALITÀ QUALITY CLASSES	**TOLLERANZE DI QUALITÀ** QUALITY TOLERANCES	
M2 L1000	**QUALITÀ** QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
	5	-0.005/0.005 mm	-0.025/0.025 mm
	6	-0.008/0.008 mm	-0.035/0.035 mm
	7	-0.011/0.011 mm	-0.045/0.045 mm
	8	-0.016/0.016 mm	-0.063/0.063 mm

M3 L1000	**QUALITÀ** QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
	5	-0.006/0.006 mm	-0.025/0.025 mm
	6	-0.009/0.009 mm	-0.035/0.035 mm
	7	-0.011/0.011 mm	-0.045/0.045 mm
	8	-0.016/0.016 mm	-0.071/0.071 mm

M4 L1000	**QUALITÀ** QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
	5	-0.007/0.007 mm	-0.025/0.025 mm
	6	-0.009/0.009 mm	-0.035/0.035 mm
	7	-0.012/0.012 mm	-0.045/0.045 mm
	8	-0.018/0.018 mm	-0.071/0.071 mm

M5 L1000	**QUALITÀ** QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
	5	-0.007/0.007 mm	-0.028/0.028 mm
	6	-0.010/0.010 mm	-0.040/0.040 mm
	7	-0.012/0.012 mm	-0.056/0.056 mm
	8	-0.018/0.018 mm	-0.080/0.080 mm

M6 L1000	**QUALITÀ** QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
	5	-0.007/0.007 mm	-0.028/0.028 mm
	6	-0.010/0.010 mm	-0.040/0.040 mm
	7	-0.012/0.012 mm	-0.056/0.056 mm
	8	-0.018/0.018 mm	-0.080/0.080 mm

CARATTERISTICHE TECNICHE

	QUALITÀ QUALITY CLASSES	**TOLLERANZE DI QUALITÀ** QUALITY TOLERANCES

M2 L1500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.008/0.008 mm	-0.035/0.035 mm
7	-0.011/0.011 mm	-0.045/0.045 mm
8	-0.016/0.016 mm	-0.063/0.063 mm

M3 L1500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.009/0.009 mm	-0.036/0.036 mm
7	-0.011/0.011 mm	-0.050/0.050 mm
8	-0.016/0.016 mm	-0.071/0.071 mm

M4 L1500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.009/0.009 mm	-0.040/0.040 mm
7	-0.012/0.012 mm	-0.056/0.056 mm
8	-0.018/0.018 mm	-0.080/0.080 mm

M5 L1500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.010/0.010 mm	-0.040/0.040 mm
7	-0.012/0.012 mm	-0.056/0.056 mm
8	-0.018/0.018 mm	-0.080/0.080 mm

M6 L1500

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.010/0.010 mm	-0.040/0.040 mm
7	-0.012/0.012 mm	-0.056/0.056 mm
8	-0.018/0.018 mm	-0.080/0.080 mm

TECHNICAL FEATURES

	QUALITÀ QUALITY CLASSES	**TOLLERANZE DI QUALITÀ** QUALITY TOLERANCES

M2 L2000

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.008/0.008 mm	-0.035/0.035 mm
7	-0.011/0.011 mm	-0.050/0.050 mm
8	-0.016/0.016 mm	-0.065/0.065 mm

M3 L2000

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.009/0.009 mm	-0.040/0.040 mm
7	-0.011/0.011 mm	-0.056/0.056 mm
8	-0.016/0.016 mm	-0.080/0.080 mm

M4 L2000

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.009/0.009 mm	-0.045/0.045 mm
7	-0.012/0.012 mm	-0.063/0.063 mm
8	-0.018/0.018 mm	-0.090/0.090 mm

M5 L2000

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.010/0.010 mm	-0.045/0.045 mm
7	-0.012/0.012 mm	-0.063/0.063 mm
8	-0.018/0.018 mm	-0.090/0.090 mm

M6 L2000

QUALITÀ QUALITY CLASSES	**PASSO SINGOLO** SINGLE PITCH	**PASSO TOTALE** TOTAL PITCH
6	-0.010/0.010 mm	-0.045/0.045 mm
7	-0.012/0.012 mm	-0.063/0.063 mm
8	-0.018/0.018 mm	-0.090/0.090 mm

CREMAGLIERE A DENTI ELICOIDALI
Indice

SERIE	QUALITÀ	MATERIALE	TRATTAMENTO TERMICO	HRC	SUPERFICIE	FORI	MODULI DISPONIBILI
20H	5h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	SI	2_3_4_5_6
20	5h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	NO	2_3_4_5_6
21H	5h25	C45E	tempra ad induzione	55-58	rettificata	SI	2_3_4_5_6
21	5h25	C45E	tempra ad induzione	55-58	rettificata	NO	2_3_4_5_6
22H	5h25	SAE1141	tempra ad induzione	58-60	rettificata	SI	2_3_4_5_6
22	5h25	SAE1141	tempra ad induzione	58-60	rettificata	NO	2_3_4_5_6
24H	6h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	SI	1_1,5_2_2,5_3_4_5_6
24	6h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	NO	1_1,5_2_2,5_3_4_5_6
28H	6h25	C45E	tempra ad induzione	55-58	rettificata	SI	1_1,5_2_2,5_3_4_5_6_8_10_12
28	6h25	C45E	tempra ad induzione	55-58	rettificata	NO	1_1,5_2_2,5_3_4_5_6_8_10_12
29H	6h25	SAE1141	tempra ad induzione	58-60	rettificata	SI	1_1,5_2_2,5_3_4_5_6
29	6h25	SAE1141	tempra ad induzione	58-60	rettificata	NO	1_1,5_2_2,5_3_4_5_6
32H	7h25	C45E	tempra ad induzione	55-58	rettificata	SI	2_3_4_5
32	7h25	C45E	tempra ad induzione	55-58	rettificata	NO	2_3_4_5
33H	7h25	SAE1141	tempra ad induzione	58-60	rettificata	SI	2_3_4_5_6
33	7h25	SAE1141	tempra ad induzione	58-60	rettificata	NO	2_3_4_5_6
38H	8h25	C45E	tempra ad induzione	55-58	fresata	SI	2_3_4_5_6
38	8h25	C45E	tempra ad induzione	55-58	fresata	NO	2_3_4_5_6
39H	8h25	SAE1141	tempra ad induzione	58-60	fresata	SI	2_3_4_5_6
39	8h25	SAE1141	tempra ad induzione	58-60	fresata	NO	2_3_4_5_6
40H	8e27	42CrMo4	non incluso	-	fresata	SI	2_3_4_5
40	8e27	42CrMo4	non incluso	-	fresata	NO	2_3_4_5
42H	9e27	C45E	non incluso	-	fresata	SI	1_1,5_2_2,5_3_4_5_6_8_10_12
42	9e27	C45E	non incluso	-	fresata	NO	1_1,5_2_2,5_3_4_5_6_8_10_12
43H	9e27	SAE1141	non incluso	-	fresata	SI	1_1,5_2_2,5_3_4_5_6
43	9e27	SAE1141	non incluso	-	fresata	NO	1_1,5_2_2,5_3_4_5_6
46H	10e27	C45E	tempra ad induzione	55-58	fresata	SI	1_1,5_2_3_4_5_6_8_10_12
46	10e27	C45E	tempra ad induzione	55-58	fresata	NO	1_1,5_2_3_4_5_6_8_10_12
47H	10e27	SAE1141	tempra ad induzione	58-60	fresata	SI	1_1,5_2_3_4_5_6
47	10e27	SAE1141	tempra ad induzione	58-60	fresata	NO	1_1,5_2_3_4_5_6

HELICAL RACKS

Index

SERIES	QUALITY	MATERIAL	HEAT-TREATMENT	HRC	SURFACE	DRILLING	MODULES
20H	5h25	16MnCr5	carburized and induction-hardened teeth	60	ground	YES	2_3_4_5_6
20	5h25	16MnCr5	carburized and induction-hardened teeth	60	ground	NO	2_3_4_5_6
21H	5h25	C45E	induction-hardened teeth	55-58	ground	YES	2_3_4_5_6
21	5h25	C45E	induction-hardened teeth	55-58	ground	NO	2_3_4_5_6
22H	5h25	SAE1141	induction-hardened teeth	58-60	ground	YES	2_3_4_5_6
22	5h25	SAE1141	induction-hardened teeth	58-60	ground	NO	2_3_4_5_6
24H	6h25	16MnCr5	carburized and induction-hardened teeth	60	ground	YES	1_1,5_2_2,5_3_4_5_6
24	6h25	16MnCr5	carburized and induction-hardened teeth	60	ground	NO	1_1,5_2_2,5_3_4_5_6
28H	6h25	C45E	induction-hardened teeth	55-58	ground	YES	1_1,5_2_2,5_3_4_5_6_8_10_12
28	6h25	C45E	induction-hardened teeth	55-58	ground	NO	1_1,5_2_2,5_3_4_5_6_8_10_12
29H	6h25	SAE1141	induction-hardened teeth	58-60	ground	YES	1_1,5_2_2,5_3_4_5_6
29	6h25	SAE1141	induction-hardened teeth	58-60	ground	NO	1_1,5_2_2,5_3_4_5_6
32H	7h25	C45E	induction-hardened teeth	55-58	ground	YES	2_3_4_5
32	7h25	C45E	induction-hardened teeth	55-58	ground	NO	2_3_4_5
33H	7h25	SAE1141	induction-hardened teeth	58-60	ground	YES	2_3_4_5_6
33	7h25	SAE1141	induction-hardened teeth	58-60	ground	NO	2_3_4_5_6
38H	8h25	C45E	induction-hardened teeth	55-58	just milled	YES	2_3_4_5_6
38	8h25	C45E	induction-hardened teeth	55-58	just milled	NO	2_3_4_5_6
39H	8h25	SAE1141	induction-hardened teeth	58-60	just milled	YES	2_3_4_5_6
39	8h25	SAE1141	induction-hardened teeth	58-60	just milled	NO	2_3_4_5_6
40H	8e27	42CrMo4	not included	-	just milled	YES	2_3_4_5
40	8e27	42CrMo4	not included	-	just milled	NO	2_3_4_5
42H	9e27	C45E	not included	-	just milled	YES	1_1,5_2_2,5_3_4_5_6_8_10_12
42	9e27	C45E	not included	-	just milled	NO	1_1,5_2_2,5_3_4_5_6_8_10_12
43H	9e27	SAE1141	not included	-	just milled	YES	1_1,5_2_2,5_3_4_5_6
43	9e27	SAE1141	not included	-	just milled	NO	1_1,5_2_2,5_3_4_5_6
46H	10e27	C45E	induction-hardened teeth	55-58	just milled	YES	1_1,5_2_3_4_5_6_8_10_12
46	10e27	C45E	induction-hardened teeth	55-58	just milled	NO	1_1,5_2_3_4_5_6_8_10_12
47H	10e27	SAE1141	induction-hardened teeth	58-60	just milled	YES	1_1,5_2_3_4_5_6
47	10e27	SAE1141	induction-hardened teeth	58-60	just milled	NO	1_1,5_2_3_4_5_6

Dentatura Elicoidale SERIE 20H

Helical tooth system SERIES 20H

Q5 - 16MnCr5

Cremagliere *Racks*

Qualità / *Quality:* **5h25** - **Materiale** / *Material:* **16MnCr5**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

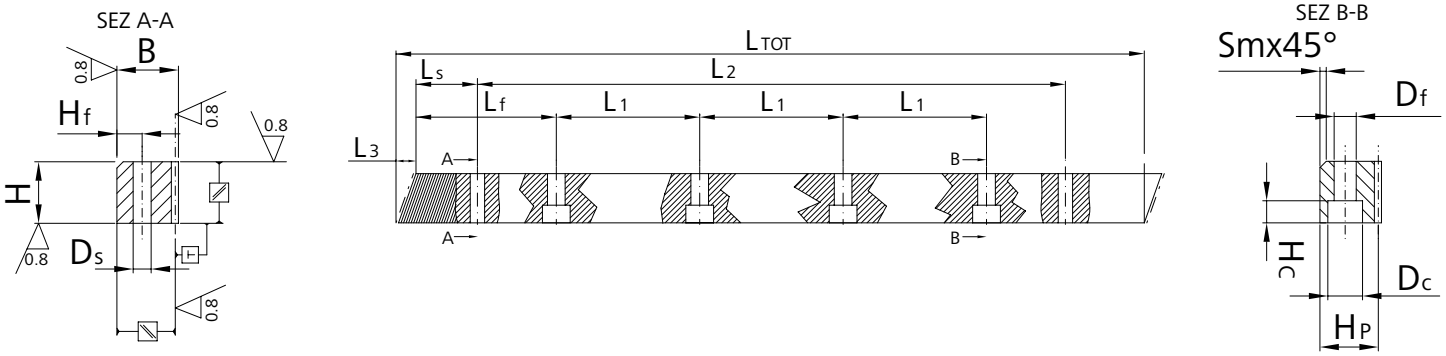
Superficie: rettificata / *Surface: ground*

Tratt. termici: cementazione e denti temprati ad induzione 60 HRC

Heat-treatment: carburized and induction-hardened teeth 60 HRC

R= 1000-1100 N/mm² (resistenza carico a rottura)

R= 1000-1100 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR35R020016H	2	8,51	167,000	62,50	41,7	31,70	24	24	8	5,7	2	7	11	7	22	25	103,300
1HR35R020033H	2	8,51	333,000	62,50	104,2	31,70	24	24	8	5,7	2	7	11	7	22	49	269,900
1HR35R020048H	2	8,51	480,000	38,51	60	12	24	24	8,5	7,7	2	9	15	8,5	22	72	453,000
1HR35R020050H	2	8,51	500,000	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,580
1HR35R020100H	2	8,51	999,999	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR35R030025H	3	10,29	250,000	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,000
1HR35R030048H	3	10,29	480,000	28,20	60	10,20	29	29	9,5	7,7	2	11	17	10,5	26	48	453,000
1HR35R030050H	3	10,29	499,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR35R030100H	3	10,29	999,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR35R040048H	4	13,83	480,000	23	60	7	39	39	12	9,7	3	14	20	13	35	36	452,000
1HR35R040050H	4	13,83	506,666	62,50	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR35R040100H	4	13,83	999,999	62,50	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR35R050050H	5	17,38	499,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,002
1HR35R050100H	5	17,38	999,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR35R060050H	6	20,92	499,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR35R060100H	6	20,92	999,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 20 versione senza fori (stessi codici ma senza H finale) / *SERIES 20 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 21H

Helical tooth system SERIES 21H

Q5 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **5h25** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

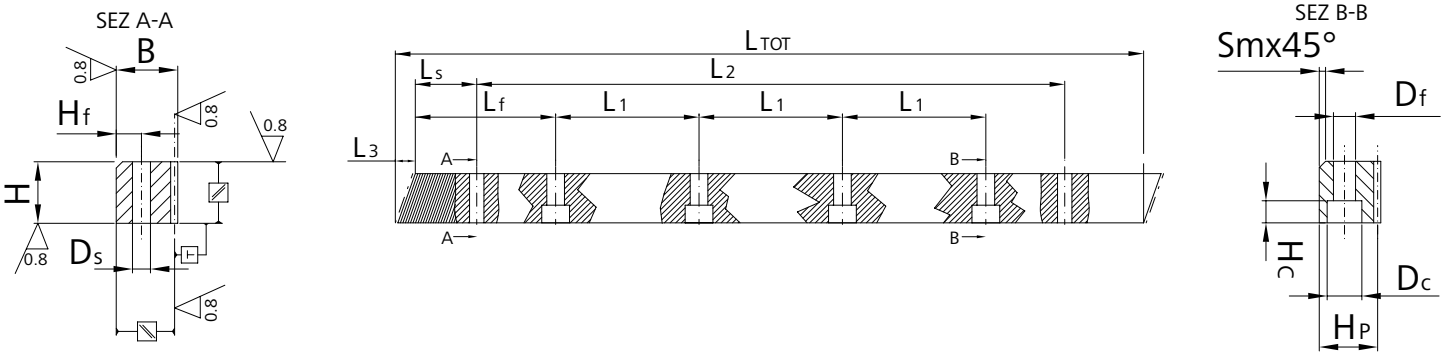
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 55-58 HRC

Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

R= 600-630 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR15R020016H	2	8,51	167,000	62,50	41,7	31,70	24	24	8	5,7	2	7	11	7	22	25	103,300
1HR15R020033H	2	8,51	333,000	62,50	104,2	31,70	24	24	8	5,7	2	7	11	7	22	49	269,900
1HR15R020048H	2	8,51	480,000	38,51	60	12	24	24	8,5	7,7	2	9	15	8,5	22	72	453,000
1HR15R020050H	2	8,51	500,000	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,580
1HR15R020100H	2	8,51	999,999	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR15R030025H	3	10,29	250,000	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,000
1HR15R030048H	3	10,29	480,000	28,20	60	10,20	29	29	9,5	7,7	2	11	17	10,5	26	48	453,000
1HR15R030050H	3	10,29	499,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR15R030100H	3	10,29	999,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR15R040048H	4	13,83	480,000	23	60	7	39	39	12	9,7	3	14	20	13	35	36	452,000
1HR15R040050H	4	13,83	506,666	62,50	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR15R040100H	4	13,83	999,999	62,50	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR15R050050H	5	17,38	499,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,002
1HR15R050100H	5	17,38	999,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR15R060500H	6	20,92	499,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR15R060100H	6	20,92	999,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 21 versione senza fori (stessi codici ma senza H finale) / *SERIES 21 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 22H

Helical tooth system SERIES 22H

Q5 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **5h25** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

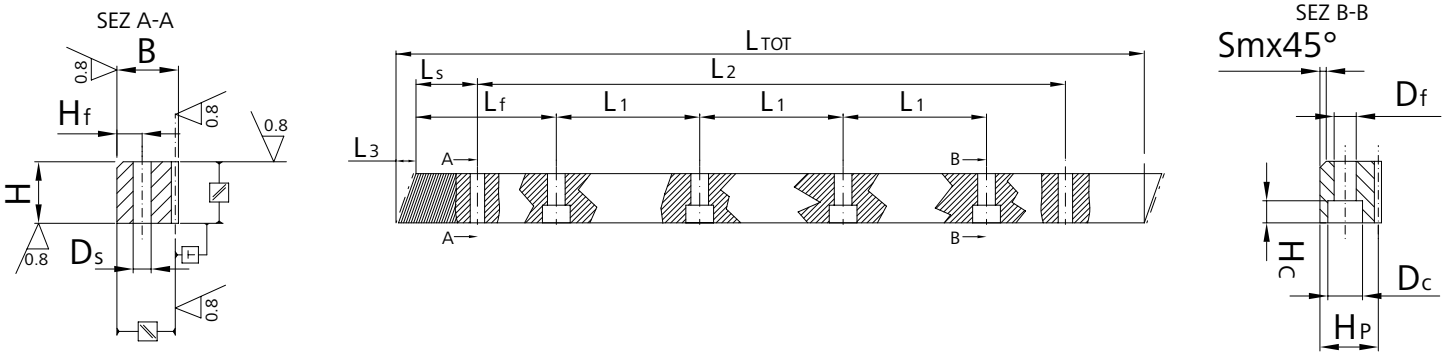
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR25R020016H	2	8,51	167,000	62,50	41,7	31,70	24	24	8	5,7	2	7	11	7	22	25	103,300
1HR25R020033H	2	8,51	333,000	62,50	104,2	31,70	24	24	8	5,7	2	7	11	7	22	49	269,900
1HR25R020048H	2	8,51	480,000	38,51	60	12	24	24	8,5	7,7	2	9	15	8,5	22	72	453,000
1HR25R020050H	2	8,51	500,000	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,580
1HR25R020100H	2	8,51	999,999	62,50	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR25R030025H	3	10,29	250,000	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,000
1HR25R030048H	3	10,29	480,000	28,20	60	10,20	29	29	9,5	7,7	2	11	17	10,5	26	48	453,000
1HR25R030050H	3	10,29	499,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR25R030100H	3	10,29	999,999	62,50	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR25R040048H	4	13,83	480,000	23	60	7	39	39	12	9,7	3	14	20	13	35	36	452,000
1HR25R040050H	4	13,83	506,666	62,50	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR25R040100H	4	13,83	999,999	62,50	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR25R050050H	5	17,38	499,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,002
1HR25R050100H	5	17,38	999,999	62,50	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR25R060050H	6	20,92	499,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR25R060100H	6	20,92	999,999	62,50	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 22 versione senza fori (stessi codici ma senza H finale) / *SERIES 22 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 24H

Helical tooth system SERIES 24H

Q6 - 16MnCr5

Cremagliere *Racks*

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **16MnCr5**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

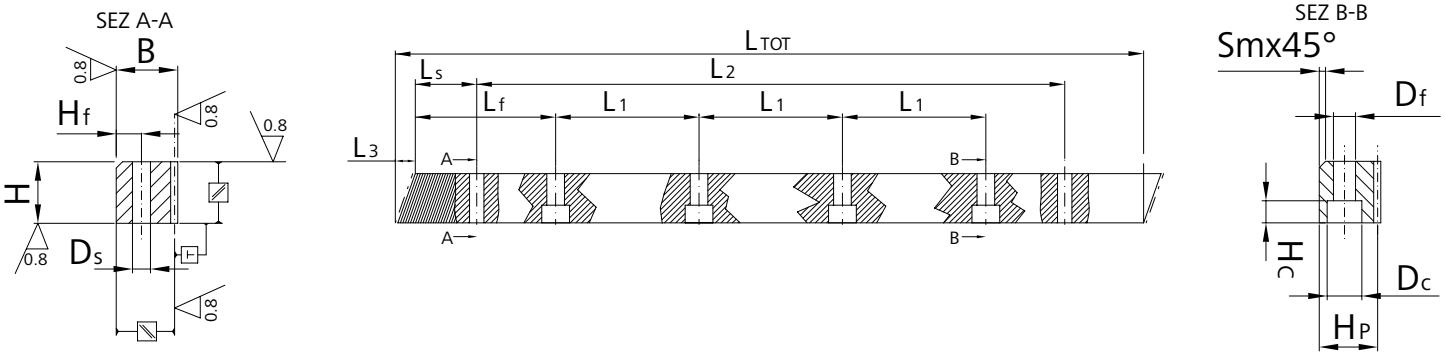
Superficie: rettificata / *Surface: ground*

Tratt. termici: cementazione e denti temprati ad induzione 60 HRC

Heat-treatment: carburized and induction-hardened teeth 60 HRC

R= 1000-1100 N/mm² (resistenza carico a rottura)

R= 1000-1100 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR36R010050H	1	7,09	499,999	62,5	125	30,29	20	20	8	5,7	2	7	11	7	19	150	439,412
1HR36R010100H	1	7,09	999,999	62,5	125	30,29	20	20	8	5,7	2	7	11	7	19	300	939,412
1HR36R015050H	1,5	7,09	499,999	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	18,5	100	439,412
1HR36R015100H	1,5	7,09	999,999	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	18,5	200	939,412
1HR36R020050H	2	8,51	499,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,575
1HR36R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR36R025050H	2,5	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	60	430,028
1HR36R025100H	2,5	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	120	930,028
1HR36R030025H	3	10,29	249,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,029
1HR36R030050H	3	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR36R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR36R040051H	4	13,83	506,666	62,5	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR36R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR36R050050H	5	17,38	499,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,002
1HR36R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR36R060050H	6	20,92	499,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR36R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 24 versione senza fori (stessi codici ma senza H finale) / *SERIES 24 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 28H

Helical tooth system SERIES 28H

Q6 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

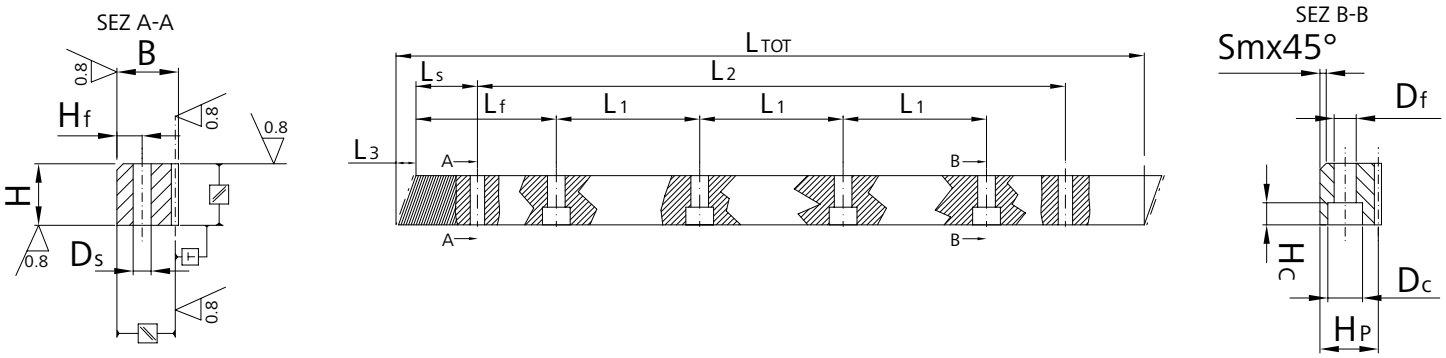
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 55-58 HRC

Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

R= 600-630 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR16R010050H	1	6,74	499,999	62,5	125	29,94	19	19	8	5,7	2	7	11	7	18	150	440,122
1HR16R010100H	1	6,74	999,999	62,5	125	29,94	19	19	8	5,7	2	7	11	7	18	300	940,121
1HR16R010150H	1	6,74	1499,998	62,5	125	29,94	19	19	8	5,7	1,5	7	11	7	18	450	1440,121
1HR16R015050H	1,5	6,74	499,999	62,5	125	29,94	19	19	8	5,7	1,5	7	11	7	17,5	100	440,122
1HR16R015100H	1,5	6,74	999,999	62,5	125	29,94	19	19	8	5,7	1,5	7	11	7	17,5	200	940,121
1HR16R015150H	1,5	6,74	1499,998	62,5	125	29,94	19	19	8	5,7	1,5	7	11	7	17,5	300	1440,121
1HR16R020050H	2	8,51	499,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,575
1HR16R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR16R020150H	2	8,51	1499,998	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	225	1436,574
1HR16R020200H	2	8,51	1999,998	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	300	1936,574
1HR16R025050H	2,5	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	60	430,028
1HR16R025100H	2,5	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	120	930,028
1HR16R025150H	2,5	10,29	1499,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	180	1430,028
1HR16R025200H	2,5	10,29	1999,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	240	1930,027
1HR16R030025H	3	10,29	249,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,029
1HR16R030050H	3	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR16R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR16R030150H	3	10,29	1499,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	150	1430,028
1HR16R030200H	3	10,29	1999,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	200	1930,027
1HR16R040051H	4	13,83	506,666	62,5	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR16R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR16R040151H	4	13,83	1506,665	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	113	1440,061
1HR16R040200H	4	13,83	1999,998	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	150	1933,394
1HR16R050050H	5	17,38	499,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,000
1HR16R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR16R050150H	5	17,38	1499,998	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	90	1425,000
1HR16R050200H	5	17,38	1999,998	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	120	1925,000

SERIE 28 versione senza fori (stessi codici ma senza H finale) / *SERIES 28 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 28H

Helical tooth system SERIES 28H

Q6 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

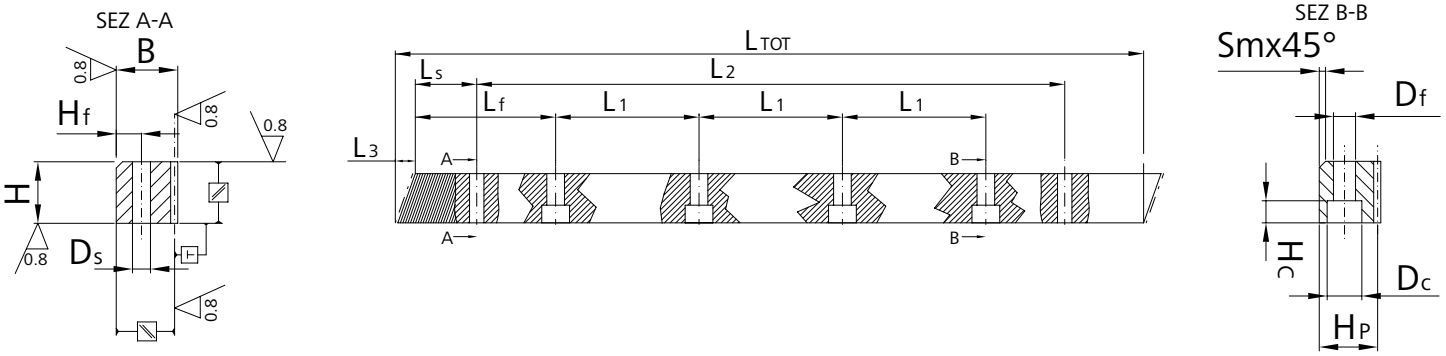
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 55-58 HRC

Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

R= 600-630 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR16R060050H	6	20,92	499,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR16R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000
1HR16R060150H	6	20,92	1499,998	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	75	1425,000
1HR16R060200H	6	20,92	1999,998	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	100	1925,000
1HR16R080048H	8	28,02	479,999	60	120	120,01	79	79	25	19,7	3	22	33	21	71	18	239,982
1HR16R080096H	8	28,02	959,999	60	120	120,01	79	79	25	19,7	3	22	33	21	71	36	719,981
1HR16R080192H	8	28,02	1919,998	60	120	120,01	79	79	25	19,7	3	22	33	21	71	72	1679,981
1HR16R100100H	10	35,11	999,999	62,5	125	124,99	99	99	32	19,7	3	33	48	32	89	30	750,014
1HR16R120100H	12	42,56	999,999	40	125	124,99	120	120	40	19,7	3	39	58	38	108	25	750,018

SERIE 28 versione senza fori (stessi codici ma senza H finale) / *SERIES 28 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 29H

Helical tooth system SERIES 29H

Q6 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

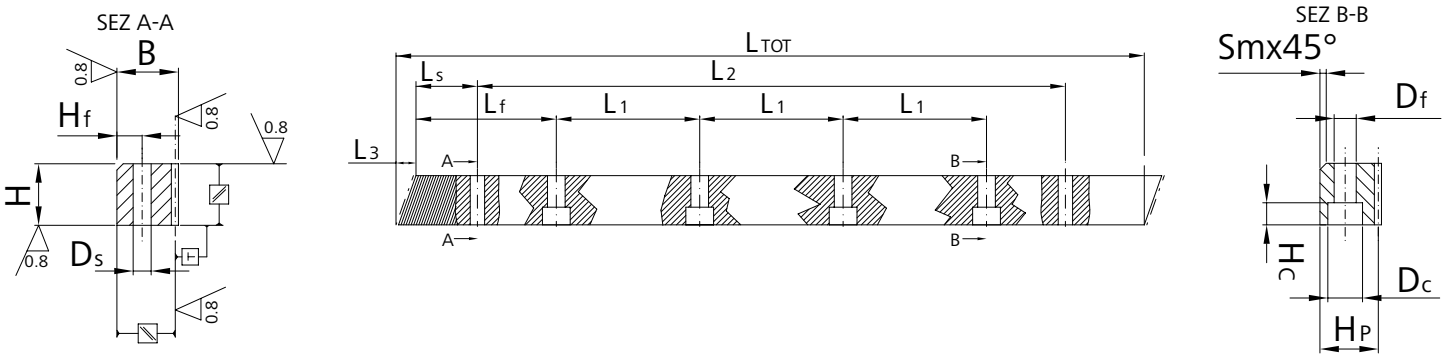
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR26R010050H	1	7,09	499,999	62,5	125	30,29	20	20	8	5,7	2	7	11	7	19	150	439,412
1HR26R010100H	1	7,09	999,999	62,5	125	30,29	20	20	8	5,7	2	7	11	7	19	300	939,412
1HR26R010150H	1	7,09	1499,998	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	19	450	1439,412
1HR26R015050H	1,5	7,09	499,999	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	18,5	100	439,412
1HR26R015100H	1,5	7,09	999,999	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	18,5	200	939,412
1HR26R015150H	1,5	7,09	1499,998	62,5	125	30,29	20	20	8	5,7	1,5	7	11	7	18,5	300	1439,412
1HR26R020050H	2	8,51	499,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,575
1HR26R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR26R020150H	2	8,51	1499,998	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	225	1436,574
1HR26R020200H	2	8,51	1999,998	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	300	1936,574
1HR26R025050H	2,5	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	60	430,028
1HR26R025100H	2,5	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	120	930,028
1HR26R025150H	2,5	10,29	1499,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	180	1430,028
1HR26R025200H	2,5	10,29	1999,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26,5	240	1930,027
1HR26R030025H	3	10,29	249,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	25	180,029
1HR26R030050H	3	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR26R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR26R030150H	3	10,29	1499,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	150	1430,028
1HR26R030200H	3	10,29	1999,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	200	1930,027
1HR26R040051H	4	13,83	506,666	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR26R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR26R040151H	4	13,83	1506,665	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	113	1440,061
1HR26R040200H	4	13,83	1999,998	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	150	1933,394
1HR26R050050H	5	17,38	499,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	30	425,002
1HR26R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,001
1HR26R050150H	5	17,38	1499,998	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	90	1425,001
1HR26R050200H	5	17,38	1999,998	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	120	1925,001
1HR26R060050H	6	20,92	499,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	25	425,002
1HR26R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,001
1HR26R060150H	6	20,92	1499,998	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	75	1425,001
1HR26R060200H	6	20,92	1999,998	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	100	1925,001

SERIE 29 versione senza fori (stessi codici ma senza H finale) / *SERIES 29 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 32H

Helical tooth system SERIES 32H

Q7 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **7h25** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

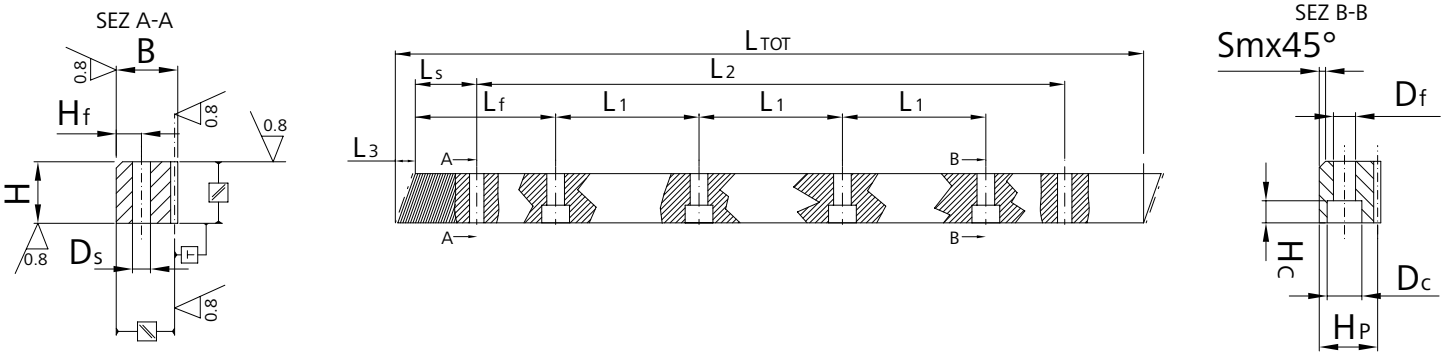
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 55-58 HRC

Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

R= 600-630 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR17R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR17R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR17R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR17R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR17R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 32 versione senza fori (stessi codici ma senza H finale) / *SERIES 32 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 33H

Helical tooth system SERIES 33H

Q7 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **7h25** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

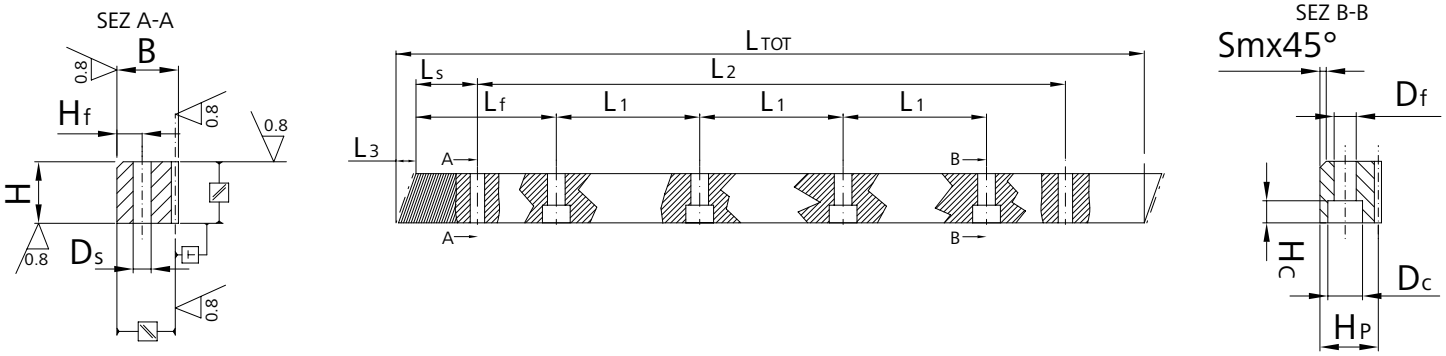
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR27R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR27R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR27R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR27R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR27R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 33 versione senza fori (stessi codici ma senza H finale) / *SERIES 33 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 38H

Helical tooth system SERIES 38H

Q8 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **8h25** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

Superficie: fresata / *Surface: just milled (not ground)*

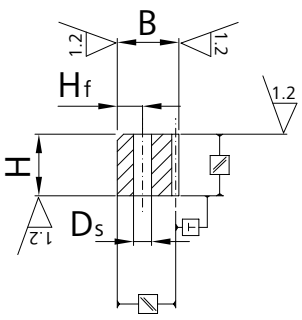
Trattamento termico: denti temprati ad induzione 55-58 HRC

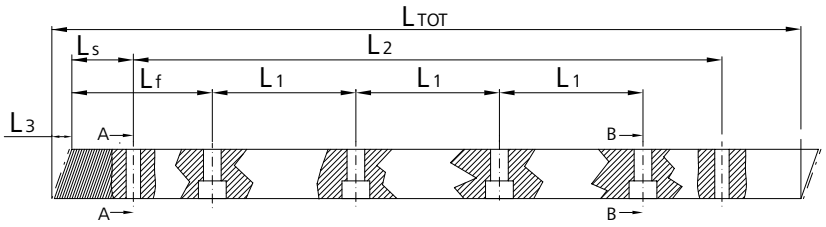
Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

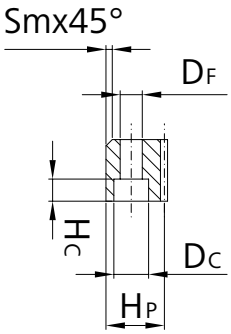
R= 600-630 N/mm² (tensile strength)

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR18R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR18R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR18R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR18R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	925,000
1HR18R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 38 versione senza fori (stessi codici ma senza H finale) / *SERIES 38 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 39H

Helical tooth system SERIES 39H

Q8 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **8h25** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

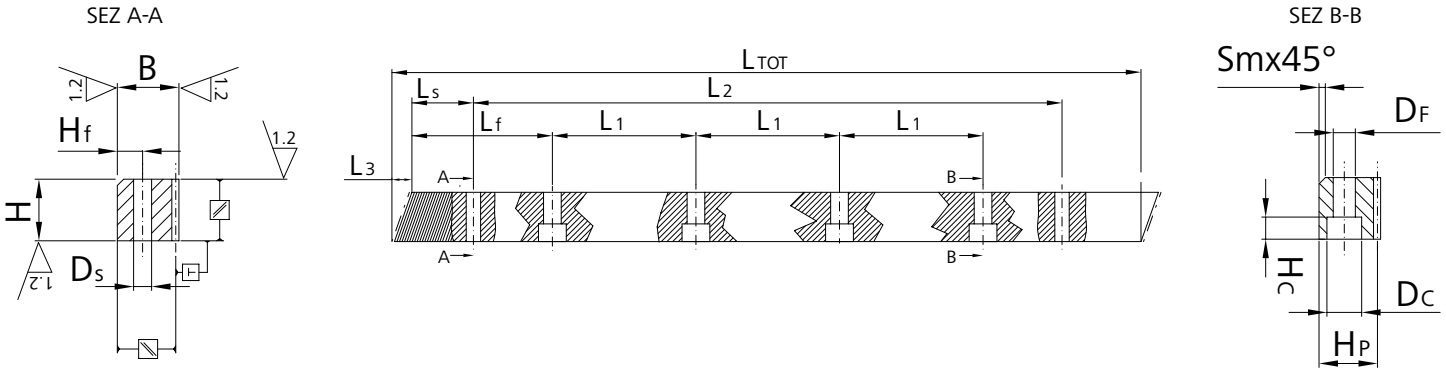
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR28R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR28R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR28R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR28R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	60	932,095
1HR28R060100H	6	20,92	999,999	62,5	125	37,50	59	49	16	15,7	3	18	26	17	43	50	925,000

SERIE 39 versione senza fori (stessi codici ma senza H finale) / *SERIES 39 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 40H

Helical tooth system SERIES 40H

Q8 - 42CrMo4

Cremagliere *Racks*

Qualità / *Quality:* **8e27** - **Materiale** / *Material:* **42CrMo4**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

Superficie: fresata / *Surface: just milled (not ground)*

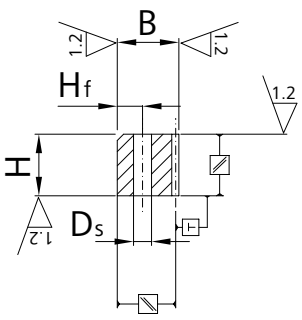
Trattamento termico: non incluso

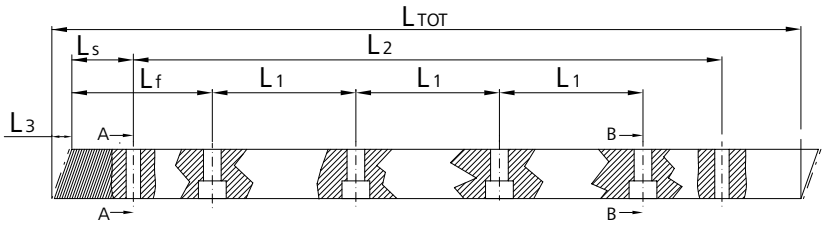
Heat-treatment: not included

R= 900 N/mm² (resistenza carico a rottura)

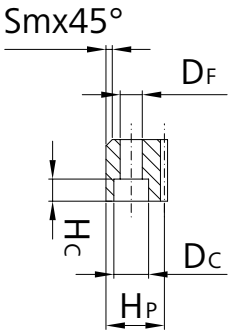
R= 900 N/mm² (tensile strength)

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR08R020050H	2	8,51	499,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	75	436,575
1HR08R020100H	2	8,51	999,999	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	150	936,575
1HR08R020200H	2	8,51	1999,998	62,5	125	31,71	24	24	8	5,7	2	7	11	7	22	300	1936,574
1HR08R030050H	3	10,29	499,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	50	430,028
1HR08R030100H	3	10,29	999,999	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	100	930,028
1HR08R030200H	3	10,29	1999,998	62,5	125	34,99	29	29	9	7,7	2	10	15	9	26	200	1930,027
1HR08R040050H	4	13,83	506,666	62,5	125	33,29	39	39	12	7,7	3	10	15	9	35	38	433,000
1HR08R040100H	4	13,83	999,999	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	75	933,395
1HR08R040200H	4	13,83	1999,998	62,5	125	33,30	39	39	12	7,7	3	10	15	9	35	150	1933,394
1HR08R050050H	5	17,38	499,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	30	432,095
1HR08R050100H	5	17,38	999,999	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	30	432,095
1HR08R050200H	5	17,38	1999,998	62,5	125	37,50	49	39	12	11,7	3	14	20	13	34	120	1932,094

SERIE 40 versione senza fori (stessi codici ma senza H finale) / *SERIES 40 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 42H

Helical tooth system SERIES 42H

Q9 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **9e27** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

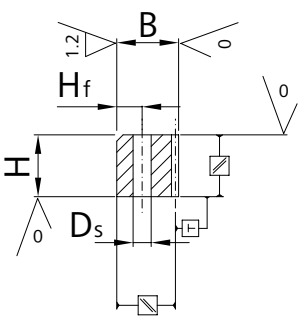
Helical tooth system: 19° 31' 42'' Right-hand

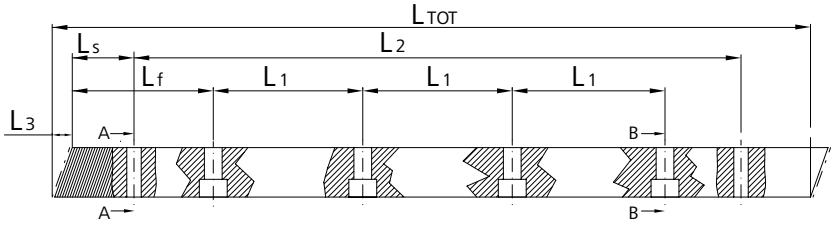
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

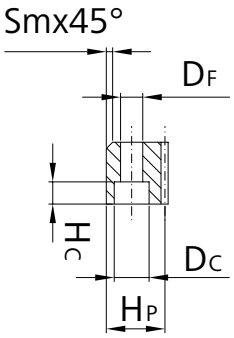
Heat-treatment: not included

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR19R010050H	1	7,09	499,999	62,5	125	29,94	20	19	8	5,7	2	7	11	7	18	150	440,122
1HR19R010100H	1	7,09	999,999	62,5	125	29,94	20	19	8	5,7	2	7	11	7	18	300	940,121
1HR19R010150H	1	7,09	1499,998	62,5	125	29,94	20	19	8	5,7	1,5	7	11	7	18	450	1440,121
1HR19R015050H	1,5	7,09	499,999	62,5	125	29,94	20	19	8	5,7	1,5	7	11	7	17,5	100	440,122
1HR19R015100H	1,5	7,09	999,999	62,5	125	29,94	20	19	8	5,7	1,5	7	11	7	17,5	200	940,121
1HR19R015150H	1,5	7,09	1499,998	62,5	125	29,94	20	19	8	5,7	1,5	7	11	7	17,5	300	1440,121
1HR19R020050H	2	8,86	499,999	62,5	125	31,71	25	24	8	5,7	2	7	11	7	22	75	436,575
1HR19R020100H	2	8,86	999,999	62,5	125	31,71	25	24	8	5,7	2	7	11	7	22	150	936,575
1HR19R020150H	2	8,86	1499,998	62,5	125	31,71	25	24	8	5,7	2	7	11	7	22	225	1436,574
1HR19R020200H	2	8,86	1999,998	62,5	125	31,71	25	24	8	5,7	2	7	11	7	22	300	1936,574
1HR19R025050H	2,5	10,64	499,999	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26,5	60	430,028
1HR19R025100H	2,5	10,64	999,999	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26,5	120	930,028
1HR19R025150H	2,5	10,64	1499,998	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26,5	180	1430,028
1HR19R025200H	2,5	10,64	1999,998	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26,5	240	1930,027
1HR19R030025H	3	10,64	249,999	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26	25	180,029
1HR19R030050H	3	10,64	499,999	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26	50	430,028
1HR19R030100H	3	10,64	999,999	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26	100	930,028
1HR19R030150H	3	10,64	1499,998	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26	150	1430,028
1HR19R030200H	3	10,64	1999,998	62,5	125	34,99	30	29	9	7,7	2	10	15	9	26	200	1930,027
1HR19R040051H	4	14,18	506,666	62,5	125	33,29	40	39	12	7,7	3	10	15	9	35	38	433,000
1HR19R040100H	4	14,18	999,999	62,5	125	33,30	40	39	12	7,7	3	10	15	9	35	75	933,395
1HR19R040151H	4	14,18	1506,665	62,5	125	33,30	40	39	12	7,7	3	10	15	9	35	113	1440,061
1HR19R040200H	4	14,18	1999,998	62,5	125	33,30	40	39	12	7,7	3	10	15	9	35	150	1933,394
1HR19R050050H	5	17,73	499,999	62,5	125	37,50	50	39	12	11,7	3	14	20	13	34	30	432,095
1HR19R050100H	5	17,73	999,999	62,5	125	37,50	50	39	12	11,7	3	14	20	13	34	60	932,095
1HR19R050150H	5	17,73	1499,998	62,5	125	37,50	50	39	12	11,7	3	14	20	13	34	90	1432,094
1HR19R050200H	5	17,73	1999,998	62,5	125	37,50	50	39	12	11,7	3	14	20	13	34	120	1932,094

SERIE 42 versione senza fori (stessi codici ma senza H finale) / *SERIES 42 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 42H

Helical tooth system SERIES 42H

Q9 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **9e27** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

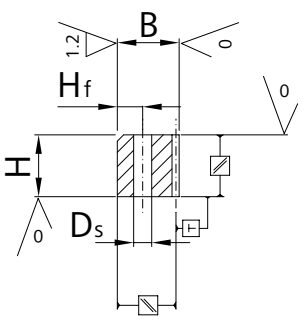
Helical tooth system: 19° 31' 42'' Right-hand

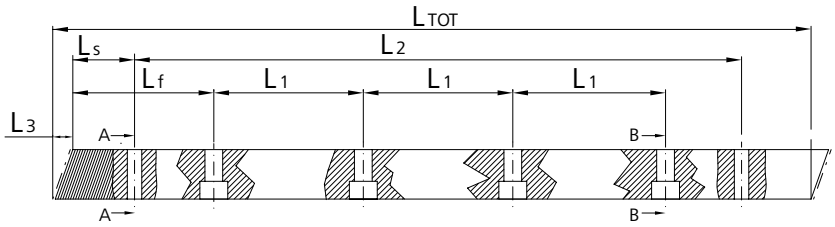
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

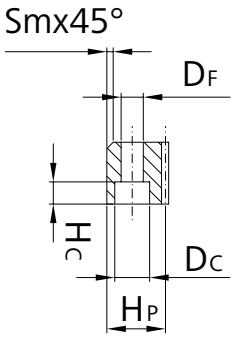
Heat-treatment: not included

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR19R060050H	6	21,28	499,999	62,5	125	37,50	60	49	16	15,7	3	18	26	17	43	25	425,002
1HR19R060100H	6	21,28	999,999	62,5	125	37,50	60	49	16	15,7	3	18	26	17	43	50	925,000
1HR19R060150H	6	21,28	1499,998	62,5	125	37,50	60	49	16	15,7	3	18	26	17	43	75	1425,000
1HR19R060200H	6	21,28	1999,998	62,5	125	37,50	60	49	16	15,7	3	18	26	17	43	100	1925,000
1HR19R080048H	8	28,37	479,999	60	120	120,01	80	79	25	19,7	3	22	33	21	71	18	239,982
1HR19R080096H	8	28,37	959,999	60	120	120,01	80	79	25	19,7	3	22	33	21	71	36	719,981
1HR19R080192H	8	28,37	1919,998	60	120	120,01	80	79	25	19,7	3	22	33	21	71	72	1679,981
1HR19R100100H	10	35,46	999,999	62,5	125	124,99	100	99	32	19,7	3	33	48	32	89	30	750,014
1HR19R120100H	12	42,56	999,999	62,5	125	124,64	120	119	40	19,7	3	39	58	38	107	25	750,728

SERIE 42 versione senza fori (stessi codici ma senza H finale) / *SERIES 42 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 43H

Helical tooth system SERIES 43H

Q9 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **9e27** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

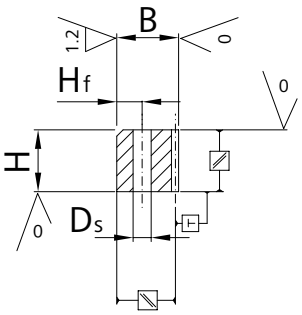
Helical tooth system: 19° 31' 42'' Right-hand

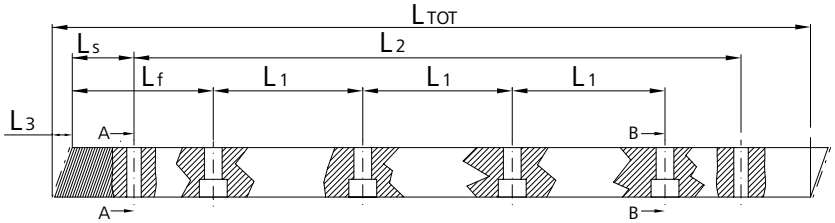
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

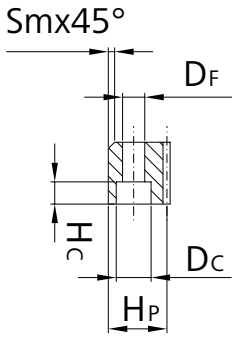
Heat-treatment: not included

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR29R010050H	1	7,27	499,999	62,50	125	30,29	20,5	20	8	5,7	2	7	11	7	19	150	439,412
1HR29R010100H	1	7,27	999,999	62,50	125	30,29	20,5	20	8	5,7	2	7	11	7	19	300	939,412
1HR29R010150H	1	7,27	1499,998	62,50	125	30,29	20,5	20	8	5,7	1,5	7	11	7	19	450	439,400
1HR29R015050H	1,5	7,27	499,999	62,50	125	30,29	20,5	20	8	5,7	1,5	7	11	7	18,5	100	439,412
1HR29R015100H	1,5	7,27	999,999	62,50	125	30,29	20,5	20	8	5,7	1,5	7	11	7	18,5	200	939,412
1HR29R015150H	1,5	7,27	1499,998	62,50	125	30,29	20,5	20	8	5,7	1,5	7	11	7	18,5	300	1439,400
1HR29R020050H	2	8,86	499,999	62,50	125	31,71	25	24	8	5,7	2	7	11	7	22	75	436,575
1HR29R020100H	2	8,86	999,999	62,50	125	31,71	25	24	8	5,7	2	7	11	7	22	150	936,575
1HR29R020150H	2	8,86	1499,998	62,50	125	31,71	25	24	8	5,7	2	7	11	7	22	225	1436,500
1HR29R020200H	2	8,86	1999,998	62,50	125	31,71	25	24	8	5,7	2	7	11	7	22	300	1936,500
1HR29R025050H	2,5	8,86	499,999	62,50	125	33,21	25	24	9	7,7	2	10	15	9	26,5	60	433,575
1HR29R025100H	2,5	8,86	999,999	62,50	125	33,21	25	24	9	7,7	2	10	15	9	26,5	120	933,575
1HR29R025150H	2,5	8,86	1499,998	62,50	125	33,21	25	24	9	7,7	2	10	15	9	26,5	180	1433,500
1HR29R025200H	2,5	8,86	1999,998	62,50	125	33,21	25	24	24	7,7	2	10	15	9	26,5	240	1933,500
1HR29R030025H	3	10,64	249,999	62,50	125	34,99	30	29	9	7,7	2	10	15	9	26	25	180,029
1HR29R030050H	3	10,64	499,999	62,50	125	34,99	30	29	9	7,7	2	10	15	9	26	50	430,028
1HR29R030100H	3	10,64	999,999	62,50	125	34,99	30	29	9	7,7	2	10	15	9	26	100	930,028
1HR29R030150H	3	10,64	1499,998	62,50	125	34,99	30	29	9	7,7	2	10	15	9	26	150	1430,000
1HR29R030200H	3	10,64	1999,998	62,50	125	34,99	30	29	9	7,7	2	10	15	9	26	200	1930,000
1HR29R031050H	3,18	10,64	498,684	62,52	124,55	34,99	30	29	9	7,7	2	11	16	9	25,82	47	428,714
1HR29R031100H	3,18	10,64	997,369	62,55	124,61	34,99	30	29	9	7,7	2	11	16	9	25,82	94	927,399
1HR29R031150H	3,18	10,64	1496,054	62,56	124,63	34,99	30	29	9	7,7	2	11	16	9	25,82	141	1426,000
1HR29R031199H	3,18	10,64	1994,739	62,57	124,64	34,99	30	29	9	7,7	2	11	16	9	25,82	188	1924,700
1HR29R040051H	4	14,18	506,666	62,50	125	33,30	40	39	12	7,7	3	10	15	9	35	38	433,000
1HR29R040100H	4	14,18	999,999	62,50	125	33,30	40	39	12	7,7	3	10	15	9	35	75	933,395
1HR29R040151H	4	14,18	1506,665	62,50	125	33,30	40	39	12	7,7	3	10	15	9	35	113	1440,00
1HR29R040200H	4	14,18	1999,998	62,50	125	33,30	40	39	12	7,7	3	10	15	9	35	150	1933,400
1HR29R050050H	5	17,73	499,999	62,50	125	33,95	50	39	12	11,7	3	14	20	13	34	30	432,095
1HR29R050100H	5	17,73	999,999	62,50	125	33,95	50	39	12	11,7	3	14	20	13	34	60	932,095
1HR29R050150H	5	17,73	1499,998	62,50	125	33,95	50	39	12	11,7	3	14	20	13	34	90	1432,000
1HR29R050200H	5	17,73	1999,998	62,50	125	33,95	50	39	12	11,7	3	14	20	13	34	120	1932,000

SERIE 43 versione senza fori (stessi codici ma senza H finale) / *SERIES 43 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 43H

Helical tooth system SERIES 43H

Q9 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **9e27** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

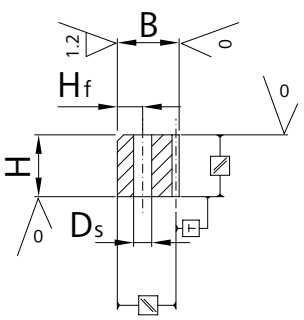
Helical tooth system: 19° 31' 42'' Right-hand

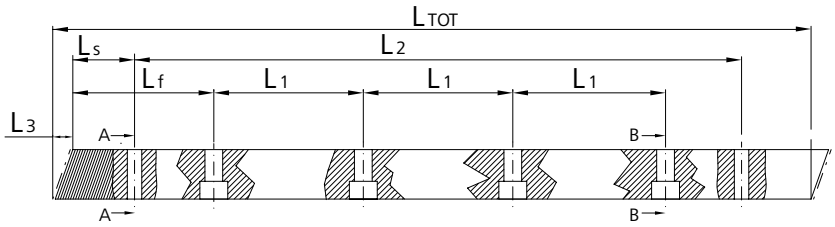
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

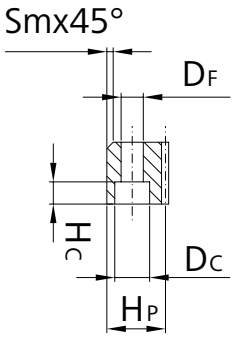
Heat-treatment: not included

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR29R060050H	6	21,28	499,999	62,50	125	37,50	60	49	16	15,7	3	18	26	17	43	25	425,002
1HR29R060100H	6	21,28	999,999	62,50	125	37,50	60	49	16	15,7	3	18	26	17	43	50	925,000
1HR29R060150H	6	21,28	1499,998	62,50	125	37,50	60	49	16	15,7	3	18	26	17	43	75	1425,000
1HR29R060200H	6	21,28	1999,998	62,50	125	37,50	60	49	16	15,7	3	18	26	17	43	100	1925,000

SERIE 43 versione senza fori (stessi codici ma senza H finale) / *SERIES 43 not drilled version (same item codes but without the final H)*

Dentatura Elicoidale SERIE 46H

Helical tooth system SERIES 46H

Q10 - C45E

Cremagliere *Racks*

Qualità / *Quality:* **10e27** - **Materiale** / *Material:* **C45E**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

Superficie: fresata / *Surface: just milled (not ground)*

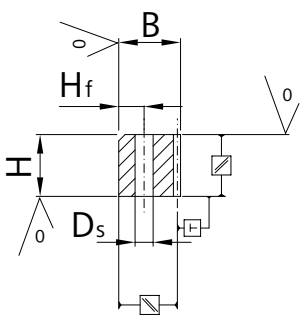
Trattamento termico: denti temprati ad induzione 55-58 HRC

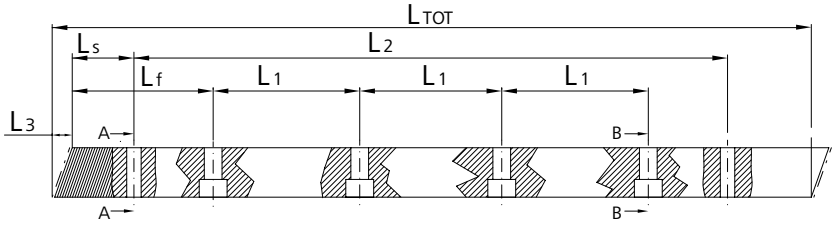
Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

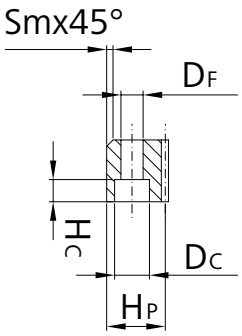
R= 600-630 N/mm² (tensile strength)

SEZ A-A





SEZ B-B



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR11R010050H	1	7,09	499,999	62,5	125	29,94	20	20	8	5,7	2	7	11	7	19	150	440,122
1HR11R010100H	1	7,09	999,999	62,5	125	29,94	20	20	8	5,7	2	7	11	7	19	300	940,121
1HR11R010150H	1	7,09	1499,998	62,5	125	29,94	20	20	8	5,7	1,5	7	11	7	19	450	1440,121
1HR11R015050H	1,5	7,09	499,999	62,5	125	29,94	20	20	8	5,7	1,5	7	11	7	18,5	100	440,122
1HR11R015100H	1,5	7,09	999,999	62,5	125	29,94	20	20	8	5,7	1,5	7	11	7	18,5	200	940,121
1HR11R015150H	1,5	7,09	1499,998	62,5	125	29,94	20	20	8	5,7	1,5	7	11	7	18,5	300	1440,121
1HR11R020050H	2	8,86	499,999	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	75	436,575
1HR11R020100H	2	8,86	999,999	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	150	936,575
1HR11R020150H	2	8,86	1499,998	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	225	1436,574
1HR11R020200H	2	8,86	1999,998	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	300	1936,574
1HR11R030025H	3	10,64	249,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	25	180,029
1HR11R030050H	3	10,64	499,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	50	430,028
1HR11R030100H	3	10,64	999,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	100	930,028
1HR11R030200H	3	10,64	1999,998	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	200	1930,027
1HR11R040050H	4	14,18	506,666	62,5	125	33,29	40	40	12	7,7	3	10	15	9	36	38	433,000
1HR11R040100H	4	14,18	999,999	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	75	933,395
1HR11R040150H	4	14,18	1506,665	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	113	1440,061
1HR11R040200H	4	14,18	1999,998	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	150	1933,394
1HR11R050050H	5	17,73	499,999	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	30	432,095
1HR11R050100H	5	17,73	999,999	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	30	432,095
1HR11R050150H	5	17,73	1499,998	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	90	1432,094
1HR11R050200H	5	17,73	1999,998	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	120	1932,094
1HR11R060050H	6	21,28	499,999	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	25	425,002
1HR11R060100H	6	21,28	999,999	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	50	925,000
1HR11R060150H	6	21,28	1499,998	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	75	1425,000
1HR11R060200H	6	21,28	1999,998	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	100	1925,000
1HR11R080050H	8	28,37	479,999	60	120	120,01	80	80	25	19,7	3	22	33	21	72	18	239,982
1HR11R080100H	8	28,37	959,999	60	120	120,01	80	80	25	19,7	3	22	33	21	72	36	719,981
1HR11R080200H	8	28,37	1919,998	60	120	120,01	80	80	25	19,7	3	22	33	21	72	72	1679,981
1HR11R100100H	10	35,46	999,999	62,5	125	124,99	100	100	32	19,7	3	33	48	32	90	30	750,014
1HR11R120100H	12	42,56	999,999	62,5	125	124,64	120	120	40	19,7	3	39	58	38	108	25	750,728

Dentatura Elicoidale SERIE 47H

Helical tooth system SERIES 47H

Q10 - SAE1141

Cremagliere *Racks*

Qualità / *Quality:* **10e27** - **Materiale** / *Material:* **SAE1141**

Denti elicoidali: 19° 31' 42'' Dx

Helical tooth system: 19° 31' 42'' Right-hand

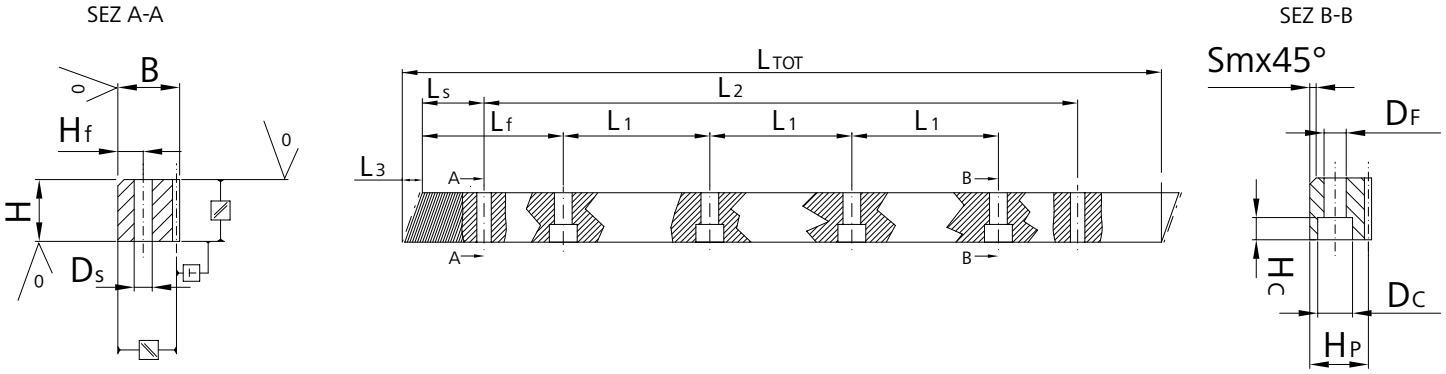
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



CODICE	M	L3	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1HR21R010050H	1	7,27	499,999	62,5	125	29,94	20,5	20	8	5,7	2	7	11	7	19	150	440,122
1HR21R010100H	1	7,27	999,999	62,5	125	29,94	20,5	20	8	5,7	2	7	11	7	19	300	940,121
1HR21R010150H	1	7,27	1499,998	62,5	125	29,94	20,5	20	8	5,7	1,5	7	11	7	19	450	1440,121
1HR21R015050H	1,5	7,27	499,999	62,5	125	29,94	20,5	20	8	5,7	1,5	7	11	7	18,5	100	440,122
1HR21R015100H	1,5	7,27	999,999	62,5	125	29,94	20,5	20	8	5,7	1,5	7	11	7	18,5	200	940,121
1HR21R015150H	1,5	7,27	1499,998	62,5	125	29,94	20,5	20	8	5,7	1,5	7	11	7	18,5	300	1440,121
1HR21R020050H	2	8,86	499,999	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	75	436,575
1HR21R020100H	2	8,86	999,999	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	150	936,575
1HR21R020150H	2	8,86	1499,998	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	225	1436,574
1HR21R020200H	2	8,86	1999,998	62,5	125	31,71	25	25	8	5,7	2	7	11	7	23	300	1936,574
1HR21R030025H	3	10,64	249,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	25	180,029
1HR21R030050H	3	10,64	499,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	50	430,028
1HR21R030100H	3	10,64	999,999	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	100	930,028
1HR21R030200H	3	10,64	1999,998	62,5	125	34,99	30	30	9	7,7	2	10	15	9	27	200	1930,027
1HR21R040050H	4	14,18	506,666	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	38	433,000
1HR21R040100H	4	14,18	999,999	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	75	933,395
1HR21R040150H	4	14,18	1506,665	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	113	1440,061
1HR21R040200H	4	14,18	1999,998	62,5	125	33,30	40	40	12	7,7	3	10	15	9	36	150	1933,394
1HR21R050050H	5	17,73	499,999	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	30	432,095
1HR21R050100H	5	17,73	999,999	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	30	432,095
1HR21R050150H	5	17,73	1499,998	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	90	1432,094
1HR21R050200H	5	17,73	1999,998	62,5	125	33,95	50	40	12	11,7	3	14	20	13	35	120	1932,094
1HR21R060050H	6	21,28	499,999	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	25	425,002
1HR21R060100H	6	21,28	999,999	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	50	925,000
1HR21R060150H	6	21,28	1499,998	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	75	1425,000
1HR21R060200H	6	21,28	1999,998	62,5	125	37,50	60	50	16	15,7	3	18	26	17	44	100	1925,000

SERIE 47 versione senza fori (stessi codici ma senza H finale) / *SERIES 47 not drilled version (same item codes but without the final H)*

CREMAGLIERE A DENTI DRITTI
Indice

SERIE	QUALITÀ	MATERIALE	TRATTAMENTO TERMICO	HRC	SUPERFICIE	FORI	MODULI DISPONIBILI
54H	6h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	SI	1_1,5_2_3_4_5_6
54	6h25	16MnCr5	cementazione e tempra ad induzione	60	rettificata	NO	1_1,5_2_3_4_5_6
58H	6h25	C45E	tempra ad induzione	55-58	rettificata	SI	1_2_3_4_5_6_8_10_12
58	6h25	C45E	tempra ad induzione	55-58	rettificata	NO	1_2_3_4_5_6_8_10_12
59H	6h25	SAE1141	tempra ad induzione	58-60	rettificata	SI	1_1,5_2_3_4_5_6
59	6h25	SAE1141	tempra ad induzione	58-60	rettificata	NO	1_1,5_2_3_4_5_6
60H	8h25	42CrMo4	non incluso	-	fresata	SI	2_3_4_5
60	8h25	42CrMo4	non incluso	-	fresata	NO	2_3_4_5
62H	9e27	C45E	non incluso	-	fresata	SI	1_2_3_4_5_6_8_10_12
62	9e27	C45E	non incluso	-	fresata	NO	1_2_3_4_5_6_8_10_12
63H	9e27	SAE1141	non incluso	-	fresata	SI	1_2_3_3,183_4_5_6
63	9e27	SAE1141	non incluso	-	fresata	NO	1_2_3_3,183_4_5_6
66H	10e27	C45E	tempra ad induzione	55-58	fresata	SI	1_2_3_4_5_6_8_10_12
66	10e27	C45E	tempra ad induzione	55-58	fresata	NO	1_2_3_4_5_6_8_10_12
67H	10e27	SAE1141	tempra ad induzione	58-60	fresata	SI	1_2_3_4_5_6_8_10_12
67	10e27	SAE1141	tempra ad induzione	58-60	fresata	NO	1_2_3_4_5_6_8_10_12
70H	10e27	AISI 304 INOX	non incluso	-	fresata	SI	1_2_3_4_5_6
70	10e27	AISI 304 INOX	non incluso	-	fresata	NO	1_2_3_4_5_6
72H	-	NYLON	-	-	-	SI	1_1,5_1,75_2_2,5_3_3,183_4
72	-	NYLON	-	-	-	NO	1_1,5_1,75_2_2,5_3_3,183_4

STRAIGHT RACKS

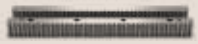
Index

SERIES	QUALITY	MATERIAL	HEAT-TREATMENT	HRC	SURFACE	DRILLING	MODULES
54H	6h25	16MnCr5	case-hardening and induction-hardened teeth	60	ground	YES	1_1,5_2_3_4_5_6
54	6h25	16MnCr5	case-hardening and induction-hardened teeth	60	ground	NO	1_1,5_2_3_4_5_6
58H	6h25	C45E	induction-hardened teeth	55-58	ground	YES	1_2_3_4_5_6_8_10_12
58	6h25	C45E	induction-hardened teeth	55-58	ground	NO	1_2_3_4_5_6_8_10_12
59H	6h25	SAE1141	induction-hardened teeth	58-60	ground	YES	1_1,5_2_3_4_5_6
59	6h25	SAE1141	induction-hardened teeth	58-60	ground	NO	1_1,5_2_3_4_5_6
60H	8h25	42CrMo4	not included	-	just milled	YES	2_3_4_5
60	8h25	42CrMo4	not included	-	just milled	NO	2_3_4_5
62H	9e27	C45E	not included	-	just milled	YES	1_2_3_4_5_6_8_10_12
62	9e27	C45E	not included	-	just milled	NO	1_2_3_4_5_6_8_10_12
63H	9e27	SAE1141	not included	-	just milled	YES	1_2_3_3,183_4_5_6
63	9e27	SAE1141	not included	-	just milled	NO	1_2_3_3,183_4_5_6
66H	10e27	C45E	induction-hardened teeth	55-58	just milled	YES	1_2_3_4_5_6_8_10_12
66	10e27	C45E	induction-hardened teeth	55-58	just milled	NO	1_2_3_4_5_6_8_10_12
67H	10e27	SAE1141	induction-hardened teeth	58-60	just milled	YES	1_2_3_4_5_6_8_10_12
67	10e27	SAE1141	induction-hardened teeth	58-60	just milled	NO	1_2_3_4_5_6_8_10_12
70H	10e27	AISI 304 INOX	not included	-	just milled	YES	1_2_3_4_5_6
70	10e27	AISI 304 INOX	not included	-	just milled	NO	1_2_3_4_5_6
72H	-	NYLON	-	-	-	YES	1_1,5_1,75_2_2,5_3_3,183_4
72	-	NYLON	-	-	-	NO	1_1,5_1,75_2_2,5_3_3,183_4

Dentatura Dritta SERIE 54H

Straight tooth system SERIES 54H

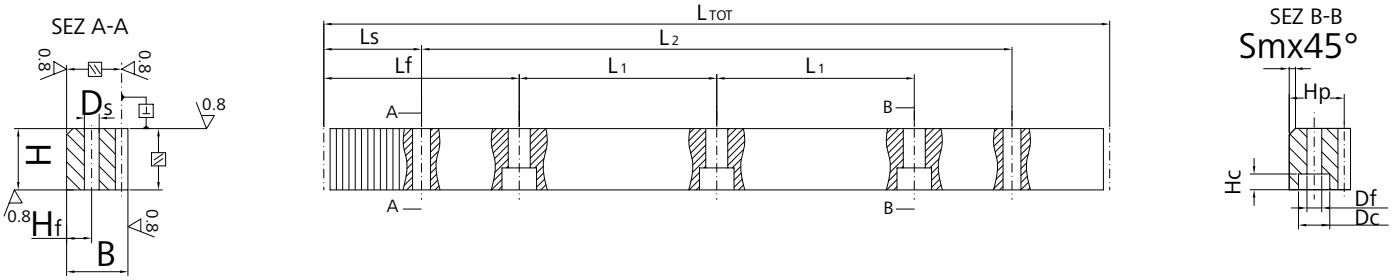
Q6 - 16MnCr5



Cremagliere *Racks*

Qualità / *Quality:* **6h25**
Materiale / *Material:* **16MnCr5**
Angolo di pressione / *Pressure angle:* **20°**
Superficie: rettificata / *Surface: ground*

Tratt. termici: cementazione e denti temprati ad induzione 60 HRC
Heat-treatment: case-hardening and induction-hardened teeth 60 HRC
R= 1000-1100 N/mm² (resistenza carico a rottura)
R= 1000-1100 N/mm² (tensile strength)



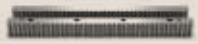
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR36S010050H	1	502,654	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	160	440,054
1SR36S010101H	1	1005,309	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	320	942,709
1SR36S015113H	1,5	1130,973	62,85	125,66	31,3	20	20	8	5,7	1,5	7	11	7	18,5	240	1068,373
1SR36S020050H	2	502,654	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	80	440,054
1SR36S020101H	2	1005,309	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	160	942,709
1SR36S030051H	3	508,937	63,62	127,23	34,4	29	29	9	7,7	2	10	15	9	26	54	440,137
1SR36S030102H	3	1017,875	63,63	127,23	34,4	29	29	9	7,7	2	10	15	9	26	108	949,075
1SR36S040050H	4	502,654	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	40	433,000
1SR36S040101H	4	1005,309	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	80	930,309
1SR36S050050H	5	502,654	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	32	442,454
1SR36S050101H	5	1005,309	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	64	945,109
1SR36S060051H	6	508,937	63,62	127,23	31,4	59	49	16	15,7	3	18	26	17	43	27	446,137
1SR36S060102H	6	1017,875	63,63	127,23	31,4	59	49	16	15,7	3	18	26	17	43	54	955,075

SERIE 54 versione senza fori (stessi codici ma senza H finale) / *SERIES 54 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 58H

Straight tooth system SERIES 58H

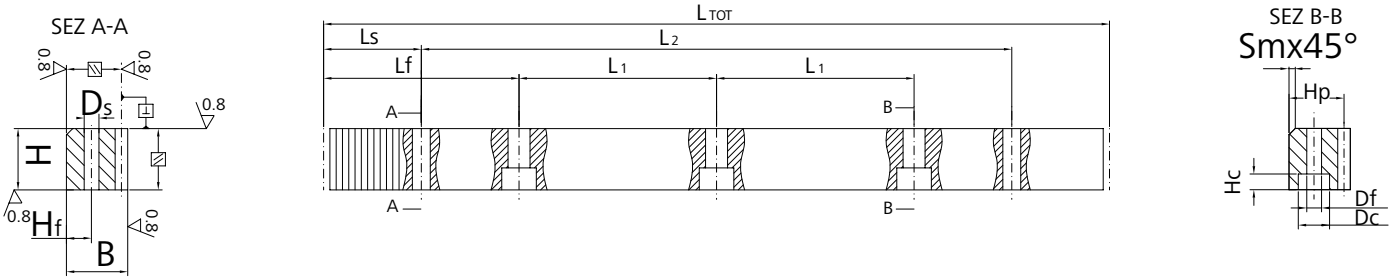
Q6 - C45E



Cremagliere *Racks*

Qualità / *Quality:* **6h25**
Materiale / *Material:* **C45E**
Angolo di pressione / *Pressure angle:* **20°**
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 55-58 HRC
Heat-treatment: induction-hardened teeth 55-58 HRC
R= 600-630 N/mm² (resistenza carico a rottura)
R= 600-630 N/mm² (tensile strength)



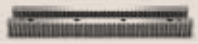
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR16S010050H	1	502,654	62,84	125,66	31,3	19	19	8	5,7	2	7	11	7	18	160	440,054
1SR16S010101H	1	1005,309	62,84	125,66	31,3	19	19	8	5,7	2	7	11	7	18	320	942,709
1SR16S010151H	1	1507,964	62,85	125,66	31,3	19	19	8	5,7	1,5	7	11	7	18	480	1445,364
1SR16S020050H	2	502,654	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	80	440,054
1SR16S020101H	2	1005,309	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	160	942,709
1SR16S020151H	2	1507,964	62,85	125,66	31,3	24	24	8	5,7	2	7	11	7	22	240	1445,364
1SR16S020201H	2	2010,618	62,86	125,66	31,3	24	24	8	5,7	2	7	11	7	22	320	1948,018
1SR16S030025H	3	254,468	63,60	127,23	34,4	29	29	9	7,7	2	10	15	9	26	27	185,669
1SR16S030051H	3	508,937	-	127,23	34,4	29	29	9	7,7	2	10	15	9	26	54	440,137
1SR16S030102H	3	1017,875	63,63	127,23	34,4	29	29	9	7,7	2	10	15	9	26	108	949,075
1SR16S030153H	3	1526,813	63,64	127,23	34,4	29	29	9	7,7	2	10	15	9	26	162	1458,013
1SR16S030204H	3	2035,751	63,65	127,23	34,4	29	29	9	7,7	2	10	15	9	26	216	1966,951
1SR16S040050H	4	502,654	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	40	433,000
1SR16S040101H	4	1005,309	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	80	930,309
1SR16S040151H	4	1507,964	62,85	125,66	37,5	39	39	12	7,7	3	10	15	9	35	120	1432,964
1SR16S040201H	4	2010,618	62,86	125,66	37,5	39	39	12	7,7	3	10	15	9	35	160	1935,618
1SR16S050050H	5	502,654	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	32	442,454
1SR16S050101H	5	1005,309	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	64	945,109
1SR16S050151H	5	1507,964	62,85	125,66	30,1	49	39	12	11,7	3	14	20	13	34	96	1447,764
1SR16S050201H	5	2010,618	62,86	125,66	30,1	49	39	12	11,7	3	14	20	13	34	128	1950,418
1SR16S060051H	6	508,937	63,62	127,23	31,4	59	49	16	15,7	3	18	26	17	43	27	446,137
1SR16S060102H	6	1017,875	63,63	127,23	31,4	59	49	16	15,7	3	18	26	17	43	54	955,075
1SR16S060153H	6	1526,813	63,64	127,23	31,4	59	49	16	15,7	3	18	26	17	43	81	1464,013
1SR16S060204H	6	2035,751	63,65	127,23	31,4	59	49	16	15,7	3	18	26	17	43	108	1972,951
1SR16S080050H	8	502,654	62,84	125,66	26,6	79	79	25	19,7	3	22	33	21	71	20	449,454
1SR16S080101H	8	1005,309	62,84	125,66	26,6	79	79	25	19,7	3	22	33	21	71	40	952,109
1SR16S100101H	10	1005,309	62,83	125,66	125,66	99	99	32	19,7	3	33	48	32	89	32	753,989
1SR16S120102H	12	1017,875	63,63	127,23	127,23	120	120	40	19,7	3	39	58	38	108	27	763,415

SERIE 58 versione senza fori (stessi codici ma senza H finale) / *SERIES 58 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 59H

Straight tooth system SERIES 59H

Q6 - SAE1141



Cremagliere *Racks*

Qualità / *Quality:* **6h25**

Materiale / *Material:* **SAE1141**

Angolo di pressione / *Pressure angle:* **20°**

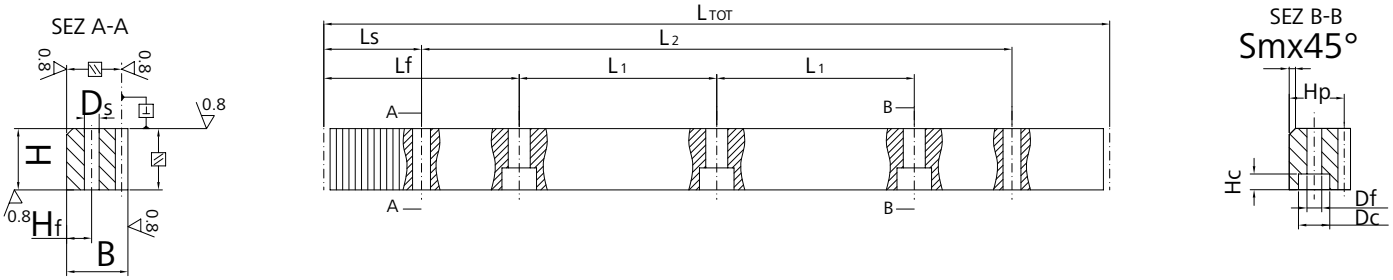
Superficie: rettificata / *Surface: ground*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



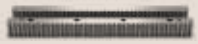
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR26S010050H	1	502,654	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	160	440,054
1SR26S010101H	1	1005,309	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	320	942,709
1SR26S010151H	1	1507,964	62,85	125,66	31,3	20	20	8	5,7	1,5	7	11	7	19	480	1445,364
1SR26S015113H	1,5	1130,973	62,85	125,66	31,3	20	20	8	5,7	1,5	7	11	7	18,5	240	1068,373
1SR26S015151H	1,5	1507,964	62,85	125,66	31,3	20	20	8	5,7	1,5	7	11	7	18,5	320	1445,364
1SR26S020050H	2	502,654	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	80	440,054
1SR26S020101H	2	1005,309	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	160	942,709
1SR26S020151H	2	1507,964	62,85	125,66	31,3	24	24	8	5,7	2	7	11	7	22	240	1445,364
1SR26S020201H	2	2010,618	62,86	125,66	31,3	24	24	8	5,7	2	7	11	7	22	320	1948,018
1SR26S030051H	3	508,937	63,62	127,23	34,4	29	29	9	7,7	2	10	15	9	26	54	440,137
1SR26S030102H	3	1017,875	63,63	127,23	34,4	29	29	9	7,7	2	10	15	9	26	108	949,075
1SR26S030153H	3	1526,813	63,64	127,23	34,4	29	29	9	7,7	2	10	15	9	26	162	1458,013
1SR26S030204H	3	2035,751	63,65	127,23	34,4	29	29	9	7,7	2	10	15	9	26	216	1966,951
1SR26S040050H	4	502,654	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	40	433,000
1SR26S040101H	4	1005,309	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	80	930,309
1SR26S040151H	4	1507,964	62,85	125,66	37,5	39	39	12	7,7	3	10	15	9	35	120	1432,964
1SR26S040201H	4	2010,618	62,86	125,66	37,5	39	39	12	7,7	3	10	15	9	35	160	1935,618
1SR26S050050H	5	502,654	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	32	442,454
1SR26S050101H	5	1005,309	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	64	945,109
1SR26S050151H	5	1507,964	62,85	125,66	30,1	49	39	12	11,7	3	14	20	13	34	96	1447,764
1SR26S050201H	5	2010,618	62,86	125,66	30,1	49	39	12	11,7	3	14	20	13	34	128	1950,418
1SR26S060051H	6	508,937	63,62	127,23	31,4	59	49	16	15,7	3	18	26	17	43	27	446,137
1SR26S060102H	6	1017,875	63,63	127,23	31,4	59	49	16	15,7	3	18	26	17	43	54	955,075
1SR26S060153H	6	1526,813	63,64	127,23	31,4	59	49	16	15,7	3	18	26	17	43	81	1464,013
1SR26S060204H	6	2035,751	63,65	127,23	31,4	59	49	16	15,7	3	18	26	17	43	108	1972,951

SERIE 59 versione senza fori (stessi codici ma senza H finale) / *SERIES 59 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE **60H**

Straight tooth system SERIES 60H

Q8 - 42CrMo4



Cremagliere *Racks*

Qualità / *Quality:* **8e27**

Materiale / *Material:* **42CrMo4**

Angolo di pressione / *Pressure angle:* **20°**

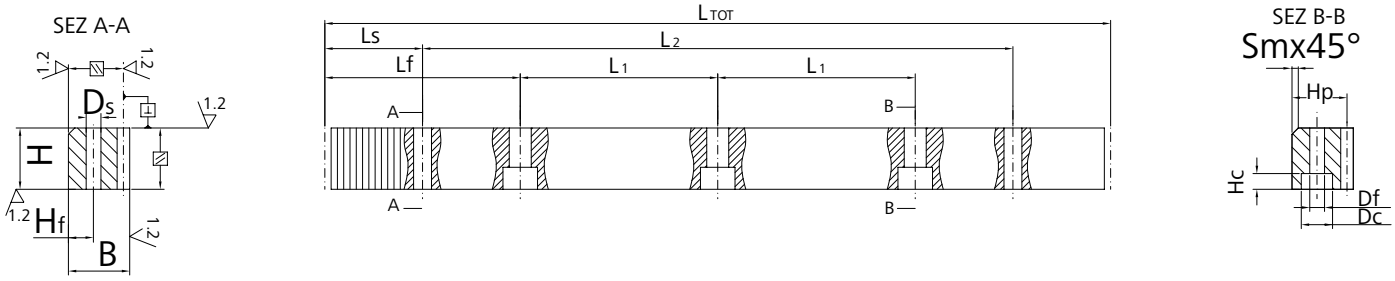
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

Heat-treatment: not included

R= 900 N/mm² (resistenza carico a rottura)

R= 900 N/mm² (tensile strength)



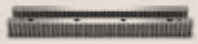
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR08S020050H	2	502,654	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	80	440,054
1SR08S020100H	2	1005,309	62,84	125,66	31,3	24	24	8	5,7	2	7	11	7	22	160	942,709
1SR08S020150H	2	1507,964	62,85	125,66	31,3	24	24	8	5,7	2	7	11	7	22	240	1445,364
1SR08S020200H	2	2010,618	62,86	125,66	31,3	24	24	8	5,7	2	7	11	7	22	320	1948,018
1SR08S030050H	3	508,937	63,62	127,23	34,4	29	29	9	7,7	2	10	15	9	26	54	440,137
1SR08S030100H	3	1017,875	63,63	127,23	34,4	29	29	9	7,7	2	10	15	9	26	108	949,075
1SR08S030150H	3	1526,813	63,64	127,23	34,4	29	29	9	7,7	2	10	15	9	26	162	1458,013
1SR08S030200H	3	2035,751	63,65	127,23	34,4	29	29	9	7,7	2	10	15	9	26	216	1966,951
1SR08S040050H	4	502,654	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	40	433,000
1SR08S040100H	4	1005,309	62,84	125,66	37,5	39	39	12	7,7	3	10	15	9	35	80	930,309
1SR08S040150H	4	1507,964	62,85	125,66	37,5	39	39	12	7,7	3	10	15	9	35	120	1432,964
1SR08S040200H	4	2010,618	62,86	125,66	37,5	39	39	12	7,7	3	10	15	9	35	160	1935,618
1SR08S050050H	5	502,654	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	32	442,454
1SR08S050100H	5	1005,309	62,84	125,66	30,1	49	39	12	11,7	3	14	20	13	34	64	945,109
1SR08S050150H	5	1507,964	62,85	125,66	30,1	49	39	12	11,7	3	14	20	13	34	96	1447,7642
1SR08S050200H	5	2010,618	62,86	125,66	30,1	49	39	12	11,7	3	14	20	13	34	128	1950,418

SERIE 60 versione senza fori (stessi codici ma senza H finale) / *SERIES 60 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 62H

Straight tooth system SERIES 62H

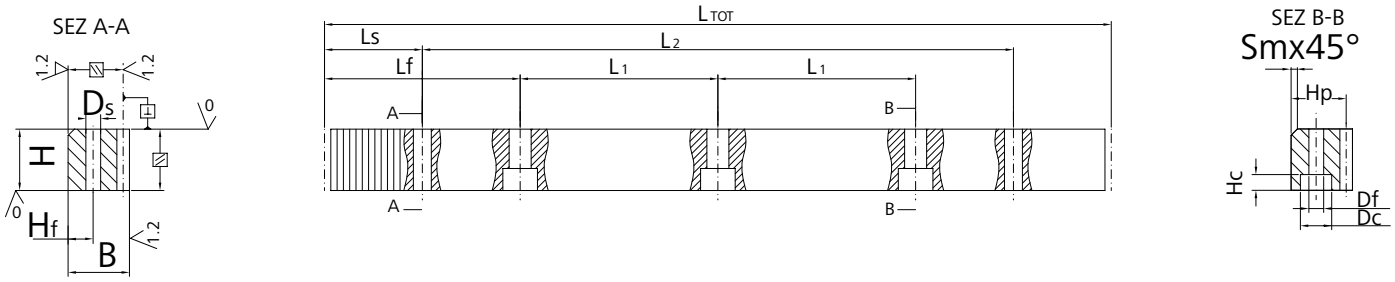
Q9 - C45E



Cremagliere *Racks*

Qualità / *Quality:* **9e27**
Materiale / *Material:* **C45E**
Angolo di pressione / *Pressure angle:* **20°**
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso
Heat-treatment: not included



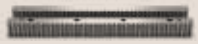
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR19S010050H	1	502,654	62,84	125,66	31,3	20	19	8	5,7	2	7	11	7	18	160	440,054
1SR19S010101H	1	1005,309	62,84	125,66	31,3	20	19	8	5,7	2	7	11	7	18	320	942,709
1SR19S010151H	1	1507,964	62,85	125,66	31,3	20	19	8	5,7	2	7	11	7	18	480	1445,364
1SR19S020050H	2	502,654	62,84	125,66	31,3	25	24	8	5,7	2	7	11	7	22	80	440,054
1SR19S020101H	2	1005,309	62,84	125,66	31,3	25	24	8	5,7	2	7	11	7	22	160	942,709
1SR19S020151H	2	1507,964	62,85	125,66	31,3	25	24	8	5,7	2	7	11	7	22	240	1445,364
1SR19S020201H	2	2010,618	62,86	125,66	31,3	25	24	8	5,7	2	7	11	7	22	320	1948,018
1SR19S030051H	3	508,937	63,62	127,23	34,4	30	29	9	7,7	2	10	15	9	26	54	440,137
1SR19S030102H	3	1017,875	63,63	127,23	34,4	30	29	9	7,7	2	10	15	9	26	108	949,075
1SR19S030153H	3	1526,813	63,64	127,23	34,4	30	29	9	7,7	2	10	15	9	26	162	1458,013
1SR19S030204H	3	2035,751	63,65	127,23	34,4	30	29	9	7,7	2	10	15	9	26	216	1966,951
1SR19S040050H	4	502,654	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	40	433,000
1SR19S040101H	4	1005,309	62,84	125,66	37,5	40	39	12	7,7	3	10	15	9	35	80	930,309
1SR19S040151H	4	1507,964	62,85	125,66	37,5	40	39	12	7,7	3	10	15	9	35	120	1432,964
1SR19S040201H	4	2010,618	62,86	125,66	37,5	40	39	12	7,7	3	10	15	9	35	160	1935,618
1SR19S050050H	5	502,654	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	32	442,454
1SR19S050101H	5	1005,309	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	64	945,109
1SR19S050151H	5	1507,964	62,85	125,66	30,1	50	39	12	11,7	3	14	20	13	34	96	1447,764
1SR19S050201H	5	2010,618	62,86	125,66	30,1	50	39	12	11,7	3	14	20	13	34	128	1950,418
1SR19S060051H	6	508,937	63,62	127,23	31,4	60	49	16	15,7	3	18	26	17	43	27	446,137
1SR19S060102H	6	1017,875	63,63	127,23	31,4	60	49	16	15,7	3	18	26	17	43	54	955,075
1SR19S060153H	6	1526,813	63,64	127,23	31,4	60	49	16	15,7	3	18	26	17	43	81	1464,013
1SR19S060204H	6	2035,751	63,65	127,23	31,4	60	49	16	15,7	3	18	26	17	43	108	1972,951
1SR19S080050H	8	502,654	62,84	125,66	26,6	80	79	25	19,7	3	22	33	21	71	20	449,454
1SR19S080101H	8	1005,309	62,84	125,66	26,6	80	79	25	19,7	3	22	33	21	71	40	952,109
1SR19S100101H	10	1005,309	62,84	125,66	125,66	100	99	32	19,7	3	33	48	32	89	32	753,989
1SR19S120102H	12	1017,875	63,63	127,23	127,23	120	119	40	19,7	3	39	58	38	107	27	763,415

SERIE 62 versione senza fori (stessi codici ma senza H finale) / *SERIES 62 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 63H

Straight tooth system SERIES 63H

Q9 - SAE1141



Cremagliere *Racks*

Qualità / *Quality:* **9e27**

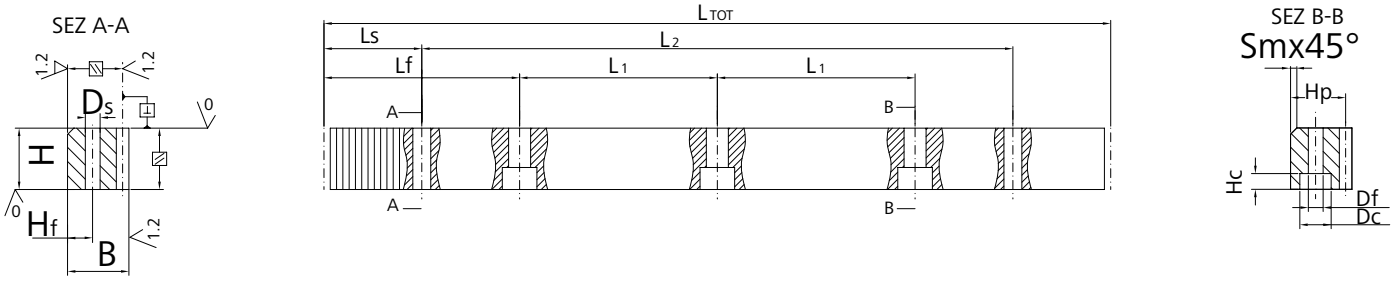
Materiale / *Material:* **SAE1141**

Angolo di pressione / *Pressure angle:* **20°**

Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

Heat-treatment: not included



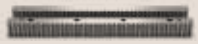
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR29S010050H	1	502,654	62,84	125,66	31,3	21	20,5	8	5,7	2	7	11	7	19	160	440,054
1SR29S010101H	1	1005,309	62,84	125,66	31,3	21	20,5	8	5,7	2	7	11	7	19	320	942,709
1SR29S010151H	1	1507,964	62,85	125,66	31,3	21	20,5	8	5,7	1,5	7	11	7	19	480	1445,364
1SR29S020050H	2	502,654	62,80	125,66	31,3	25	24	8	5,7	2	7	11	7	22	80	440,054
1SR29S020101H	2	1005,309	62,80	125,66	31,3	25	24	8	5,7	2	7	11	7	22	160	942,709
1SR29S020151H	2	1507,964	62,85	125,66	31,3	25	24	8	5,7	2	7	11	7	22	240	1445,364
1SR29S020201H	2	2010,618	62,86	125,66	31,3	25	24	8	5,7	2	7	11	7	22	320	1948,018
1SR29S030051H	3	508,937	63,62	127,23	34,4	30	29	9	7,7	2	10	15	9	26	54	440,137
1SR29S030102H	3	1017,875	63,63	127,23	34,4	30	29	9	7,7	2	10	15	9	26	108	949,075
1SR29S030204H	3	2035,751	63,65	127,23	34,4	30	29	9	7,7	2	10	15	9	26	216	1966,951
1SR29S031050H	3,183	499,999	62,50	125	34,4	30	29	9	7,7	2	10	15	9	25,82	50	431,199
1SR29S031100H	3,183	999,999	62,50	125	34,4	30	29	9	7,7	2	10	15	9	25,82	100	931,199
1SR29S031150H	3,183	1499,999	62,50	125	34,4	30	29	9	7,7	2	10	15	9	25,82	150	1431,199
1SR29S031200H	3,183	1999,999	62,50	125	34,4	30	29	9	7,7	2	10	15	9	25,82	200	1931,199
1SR29S040050H	4	502,654	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	40	433,000
1SR29S040094H	4	942,477	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	75	867,477
1SR29S040142H	4	1419,999	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	113	1344,999
1SR29S040188H	4	1884,955	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	150	1809,955
1SR29S050050H	5	502,654	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	32	442,454
1SR29S050101H	5	1005,309	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	64	945,109
1SR29S050151H	5	1507,964	62,85	125,66	30,1	50	39	12	11,7	3	14	20	13	34	96	1447,764
1SR29S050201H	5	2010,618	62,86	125,66	30,1	50	39	12	11,7	3	14	20	13	34	128	1950,418
1SR29S060051H	6	508,937	63,62	127,23	31,4	60	49	16	15,7	3	18	26	17	43	27	446,137
1SR29S060102H	6	1017,875	63,63	127,23	31,4	60	49	16	15,7	3	18	26	17	43	54	955,075
1SR29S060153H	6	1526,813	63,64	127,23	31,4	60	49	16	15,7	3	18	26	17	43	81	1464,013
1SR29S060204H	6	2035,751	63,65	127,23	31,4	60	49	16	15,7	3	18	26	17	43	108	1972,951

SERIE 63 versione senza fori (stessi codici ma senza H finale) / *SERIES 63 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 66H

Straight tooth system SERIES 66H

Q10 - C45E



Cremagliere *Racks*

Qualità / *Quality:* **10e27**

Materiale / *Material:* **C45E**

Angolo di pressione / *Pressure angle:* **20°**

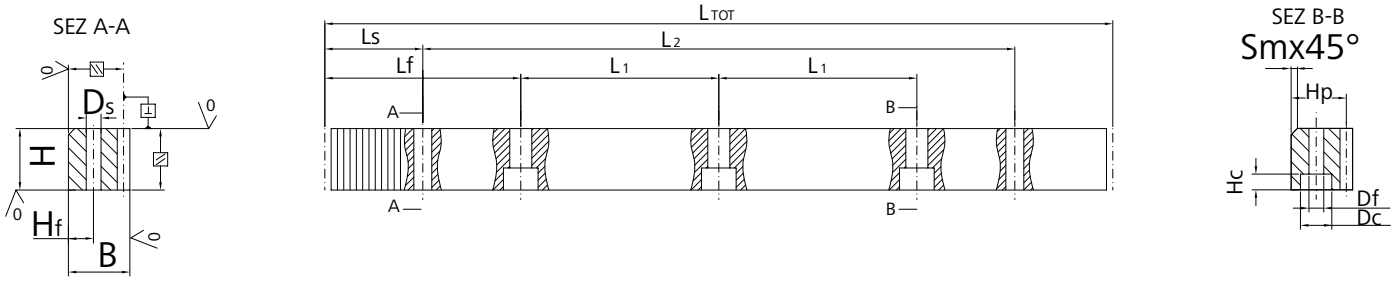
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: denti temprati ad induzione 55-58 HRC

Heat-treatment: induction-hardened teeth 55-58 HRC

R= 600-630 N/mm² (resistenza carico a rottura)

R= 600-630 N/mm² (tensile strength)



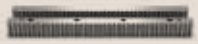
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR11S010050H	1	502,654	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	160	440,054
1SR11S010100H	1	1005,309	62,84	125,66	31,3	20	20	8	5,7	2	7	11	7	19	320	942,709
1SR11S010150H	1	1507,964	62,85	125,66	31,3	20	20	8	5,7	1,5	7	11	7	19	480	1445,364
1SR11S020050H	2	502,654	62,84	125,66	31,3	25	25	8	5,7	2	7	11	7	22	80	440,054
1SR11S020100H	2	1005,309	62,84	125,66	31,3	25	25	8	5,7	2	7	11	7	22	160	942,709
1SR11S020150H	2	1507,964	62,85	125,66	31,3	25	25	8	5,7	2	7	11	7	22	240	1445,364
1SR11S020200H	2	2010,618	62,86	125,66	31,3	25	25	8	5,7	2	7	11	7	22	320	1948,018
1SR11S030050H	3	508,937	63,62	127,23	34,4	30	30	9	7,7	2	10	15	9	27	54	440,137
1SR11S030100H	3	1017,875	63,63	127,23	34,4	30	30	9	7,7	2	10	15	9	27	108	949,075
1SR11S030150H	3	1526,813	63,64	127,23	34,4	30	30	9	7,7	2	10	15	9	27	162	1458,013
1SR11S030200H	3	2035,751	63,65	127,23	34,4	30	30	9	7,7	2	10	15	9	27	216	1966,951
1SR11S040050H	4	502,654	62,80	125,66	37,5	40	40	12	7,7	3	10	15	9	36	40	433,000
1SR11S040100H	4	1005,309	62,84	125,66	37,5	40	40	12	7,7	3	10	15	9	36	80	930,309
1SR11S040150H	4	1507,964	62,85	125,66	37,5	40	40	12	7,7	3	10	15	9	36	120	1432,964
1SR11S040200H	4	2010,618	62,86	125,66	37,5	40	40	12	7,7	3	10	15	9	36	160	1935,618
1SR11S050050H	5	502,654	62,84	125,66	30,1	50	40	12	11,7	3	14	20	13	35	32	442,454
1SR11S050100H	5	1005,309	62,84	125,66	30,1	50	40	12	11,7	3	14	20	13	35	64	945,109
1SR11S050150H	5	1507,964	62,85	125,66	30,1	50	40	12	11,7	3	14	20	13	35	96	1447,764
1SR11S050200H	5	2010,618	62,86	125,66	30,1	50	40	12	11,7	3	14	20	13	35	128	1950,418
1SR11S060050H	6	508,937	63,62	127,23	31,4	60	50	16	15,7	3	18	26	17	44	27	446,137
1SR11S060100H	6	1017,875	63,63	127,23	31,4	60	50	16	15,7	3	18	26	17	44	54	955,075
1SR11S060150H	6	1526,813	63,64	127,23	31,4	60	50	16	15,7	3	18	26	17	44	81	1464,013
1SR11S060200H	6	2035,751	63,65	127,23	31,4	60	50	16	15,7	3	18	26	17	44	108	1972,951
1SR11S080050H	8	502,654	62,84	125,66	26,6	80	80	25	19,7	3	22	33	21	72	20	449,454
1SR11S080100H	8	1005,309	62,84	125,66	26,6	80	80	25	19,7	3	22	33	21	72	40	952,109
1SR11S100100H	10	1005,309	62,84	125,66	125,66	100	100	32	19,7	3	33	48	32	90	32	753,989
1SR11S120100H	12	1017,875	63,63	127,23	127,23	120	120	40	19,7	3	39	58	38	108	27	763,415

SERIE 66 versione senza fori (stessi codici ma senza H finale) / *SERIES 66 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 67H

Straight tooth system SERIES 67H

Q10 - SAE1141



Cremagliere *Racks*

Qualità / *Quality:* **10e27**

Materiale / *Material:* **SAE1141**

Angolo di pressione / *Pressure angle:* **20°**

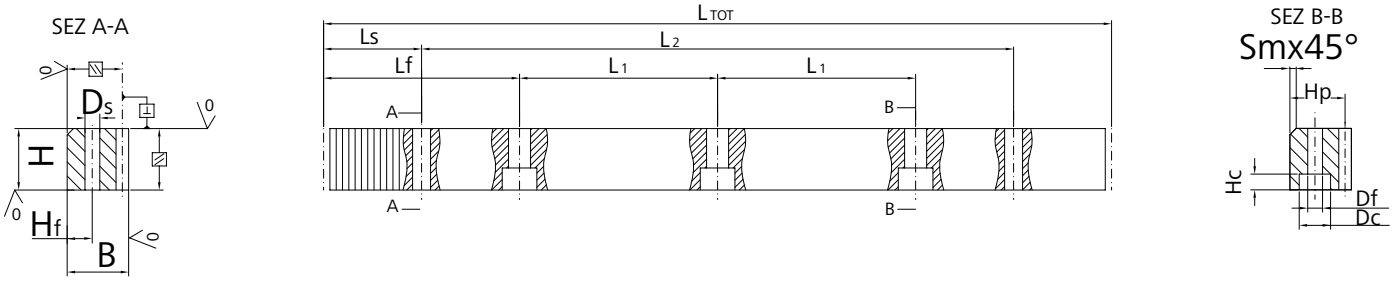
Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: denti temprati ad induzione 58-60 HRC

Heat-treatment: induction-hardened teeth 58-60 HRC

R= 770-820 N/mm² (resistenza carico a rottura)

R= 770-820 N/mm² (tensile strength)



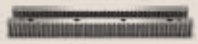
CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR21S010050H	1	502,654	62,84	125,66	31,3	20,5	20,5	8	5,7	2	7	11	7	19	160	440,054
1SR21S010100H	1	1005,309	62,84	125,66	31,3	20,5	20,5	8	5,7	2	7	11	7	19	320	942,709
1SR21S010150H	1	1507,964	62,85	125,66	31,3	20,5	20,5	8	5,7	1,5	7	11	7	19	480	1445,364
1SR21S020050H	2	502,654	62,84	125,66	31,3	25	25	8	5,7	2	7	11	7	23	80	440,054
1SR21S020100H	2	1005,309	62,84	125,66	31,3	25	25	8	5,7	2	7	11	7	23	160	942,709
1SR21S020150H	2	1507,964	62,85	125,66	31,3	25	25	8	5,7	2	7	11	7	23	240	1445,364
1SR21S020200H	2	2010,618	62,86	125,66	31,3	25	25	8	5,7	2	7	11	7	23	320	1948,018
1SR21S030050H	3	508,937	63,62	127,23	34,4	30	30	9	7,7	2	10	15	9	27	54	440,137
1SR21S030100H	3	1017,875	63,63	127,23	34,4	30	30	9	7,7	2	10	15	9	27	108	949,075
1SR21S030150H	3	1526,813	63,64	127,23	34,4	30	30	9	7,7	2	10	15	9	27	162	1458,013
1SR21S030200H	3	2035,751	63,65	127,23	34,4	30	30	9	7,7	2	10	15	9	27	216	1966,951
1SR21S040050H	4	502,654	62,80	125,66	37,5	40	40	12	7,7	3	10	15	9	36	40	433,000
1SR21S040100H	4	1005,309	62,84	125,66	37,5	40	40	12	7,7	3	10	15	9	36	80	930,309
1SR21S040150H	4	1507,964	62,85	125,66	37,5	40	40	12	7,7	3	10	15	9	36	120	1432,964
1SR21S040200H	4	2010,618	62,86	125,66	37,5	40	40	12	7,7	3	10	15	9	36	160	1935,618
1SR21S050050H	5	502,654	62,84	125,66	30,1	50	40	12	11,7	3	14	20	13	35	32	442,454
1SR21S050100H	5	1005,309	62,84	125,66	30,1	50	40	12	11,7	3	14	20	13	35	64	945,109
1SR21S050150H	5	1507,964	62,85	125,66	30,1	50	40	12	11,7	3	14	20	13	35	96	1447,764
1SR21S050200H	5	2010,618	62,86	125,66	30,1	50	40	12	11,7	3	14	20	13	35	128	1950,418
1SR21S060050H	6	508,937	63,62	127,23	31,4	60	50	16	15,7	3	18	26	17	44	27	446,137
1SR21S060100H	6	1017,875	63,63	127,23	31,4	60	50	16	15,7	3	18	26	17	44	54	955,075
1SR21S060150H	6	1526,813	63,64	127,23	31,4	60	50	16	15,7	3	18	26	17	44	81	1464,013
1SR21S060200H	6	2035,751	63,65	127,23	31,4	60	50	16	15,7	3	18	26	17	44	108	1972,951
1SR21S080050H	8	502,654	62,84	125,66	26,6	80	80	25	19,7	3	22	33	21	72	20	449,454
1SR21S080100H	8	1005,309	62,84	125,66	26,6	80	80	25	19,7	3	22	33	21	72	40	952,109
1SR21S100100H	10	1005,309	62,84	125,66	125,66	100	100	32	19,7	3	33	48	32	90	32	753,989
1SR21S120100H	12	1017,875	63,63	127,23	127,23	120	120	40	19,7	3	39	58	38	108	27	763,415

SERIE 67 versione senza fori (stessi codici ma senza H finale) / *SERIES 67 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 70H

Straight tooth system SERIES 70H

Q10 - INOX AISI 304



Cremagliere *Racks*

Qualità / *Quality:* **10e27**

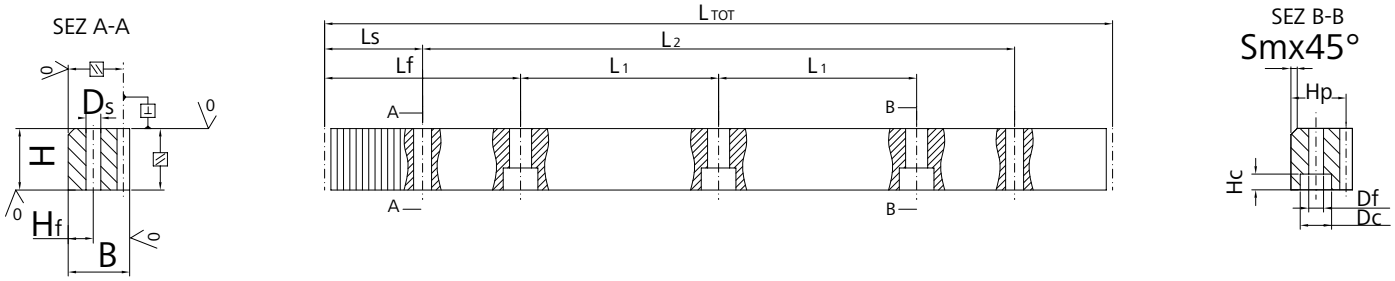
Materiale / *Material:* **INOX AISI 304**

Angolo di pressione / *Pressure angle:* **20°**

Superficie: fresata / *Surface: just milled (not ground)*

Trattamento termico: non incluso

Heat-treatment: not included

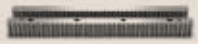


CODICE	M	L TOT	Lf	L1	Ls	H	B	Hf	Ds	Smx 45°	Df	Dc	Hc	Hp	Z	L2
1SR61S010050	1	502,654	62,84	125,66	31,3	20	19	8	5,7	2	7	11	7	18	160	440,054
1SR61S010101	1	1005,308	62,84	125,66	31,3	20	19	8	5,7	2	7	11	7	18	320	942,709
1SR61S020050	2	502,654	62,84	125,66	31,3	25	24	8	5,7	2	7	11	7	22	80	440,054
1SR61S020101	2	1005,309	62,84	125,66	31,3	25	24	8	5,7	2	7	11	7	22	160	942,709
1SR61S030051	3	508,937	63,62	127,23	34,4	30	29	9	7,7	2	10	15	9	26	54	440,137
1SR61S030102	3	1017,875	63,63	127,23	34,4	30	29	9	7,7	2	10	15	9	26	108	949,075
1SR61S030151	3	1507,964	63,64	127,23	34,4	30	29	9	7,7	2	10	15	9	26	162	1458,013
1SR61S030201	3	2007,477	63,65	127,23	34,4	30	29	9	7,7	2	10	15	9	26	216	1966,951
1SR61S040050	4	502,654	62,80	125,66	37,5	40	39	12	7,7	3	10	15	9	35	40	433,000
1SR61S040101	4	1005,309	62,84	125,66	37,5	40	39	12	7,7	3	10	15	9	35	80	930,309
1SR61S040151	4	1507,964	62,85	125,66	37,5	40	39	12	7,7	3	10	15	9	35	120	1432,964
1SR61S040201	4	2010,618	62,86	125,66	37,5	40	39	12	7,7	3	10	15	9	35	160	1935,618
1SR61S050050	5	502,654	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	32	442,454
1SR61S050101	5	1005,309	62,84	125,66	30,1	50	39	12	11,7	3	14	20	13	34	64	945,109
1SR61S050151	5	1507,964	62,85	125,66	30,1	50	39	12	11,7	3	14	20	13	34	96	1447,764
1SR61S050201	5	2010,618	62,86	125,66	30,1	50	39	12	11,7	3	14	20	13	34	128	1950,418
1SR61S060051	6	508,937	63,62	127,23	31,4	60	49	16	15,7	3	18	26	17	43	27	446,137
1SR61S060102	6	1017,875	63,63	127,23	31,4	60	49	16	15,7	3	18	26	17	43	54	955,075
1SR61S060204	6	2035,751	63,65	127,23	31,4	60	49	16	15,7	3	18	26	17	43	108	1972,951

SERIE 70 versione senza fori (stessi codici ma senza H finale) / *SERIES 70 not drilled version (same item codes but without the final H)*

Dentatura Dritta SERIE 72H
Straight tooth system SERIES 72H

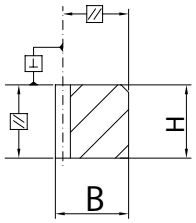
NYLON - DERLIN PA6G BIANCO / WHITE



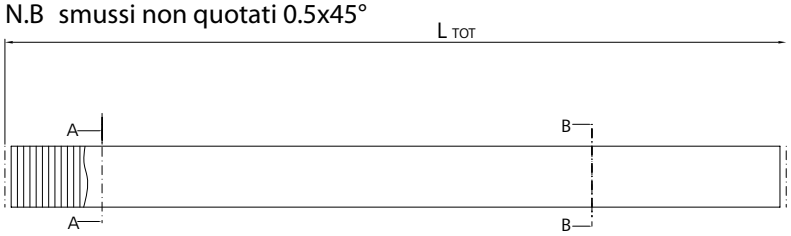
Cremagliere *Racks*

Materiale / *Material:*
NYLON - DERLIN PA6G BIANCO / *WHITE*
Angolo di pressione / *Pressure angle:* **20°**

SEZ A-A

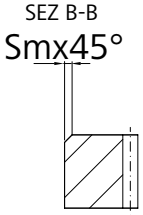


N.B smussi non quotati 0.5x45°



PLEASE NOTE: not quoted chamfer will be 0.5x45°

SEZ B-B



CODICE	M	L TOT	H	B	Hp	Z
1SR71S010050	1	502,654	15	15	14	160
1SR71S010101	1	1005,308	15	15	14	320
1SR71S015050	1,5	499,513	17	17	15,5	106
1SR71S015100	1,5	999,026	17	17	15,5	212
1SR71S017050	1,75	500,298	20	20	18,25	91
1SR71S017100	1,75	1000,597	20	20	18,25	182
1SR71S020050	2	502,654	20	20	18	80
1SR71S020101	2	1005,309	20	20	18	160
1SR71S025050	2,5	502,654	25	25	22,5	64
1SR71S025100	2,5	997,455	25	25	22,5	127
1SR71S030051	3	508,937	30	30	27	54
1SR71S030102	3	1017,875	30	30	27	108
1SR71S031050	3,183	499,984	30	30	26,82	50
1SR71S031100	3,183	999,968	30	30	26,82	100
1SR71S040050	4	502,654	40	40	36	40
1SR71S040101	4	1005,309	40	40	36	80

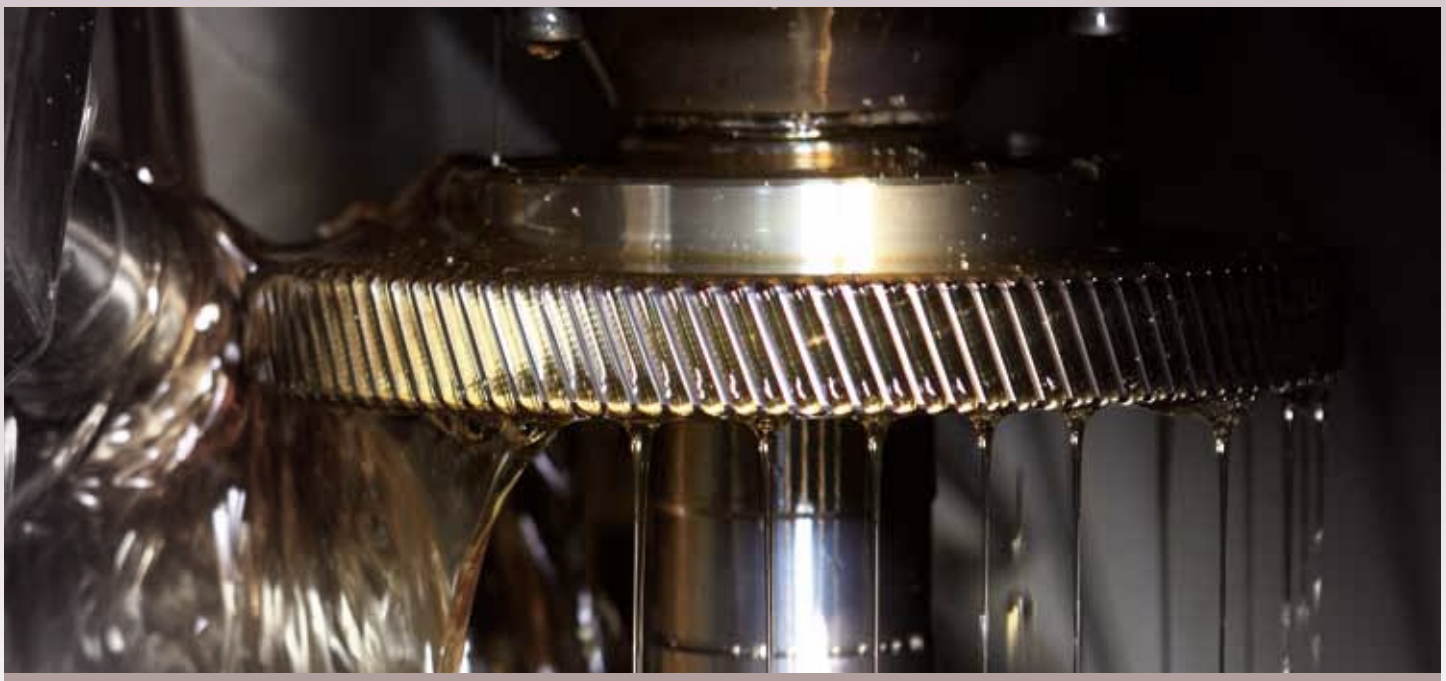
SERIE 72 versione senza fori (stessi codici ma senza H finale) / *SERIES 72 not drilled version (same item codes but without the final H)*

INGRANAGGI A DENTI ELICOIDALI
Indice

HELICAL GEARS
Index

SERIE	QUALITÀ	MATERIALE	TRATTAMENTO TERMICO	HRC	SUPERFICIE	MOZZO	MODULI DISPONIBILI
80	6h25	16MnCr5	cementazione	60	rettificata	corto	1,5_2_2,5_3_3,183_4_5_6_8_10
81	6h25	18NiCrMo5	cementazione	60	rettificata	corto	1,5_2_2,5_3_3,183_4_5_6_8_10
82	6h25	C45E	tempra ad induzione	55-58	rettificata	corto	1,5_2_2,5_3_3,183_4_5_6_8_10
83	6h25	16MnCr5	cementazione	60	rettificata	lungo	1,5_2_2,5_3_3,183_4_5_6_8_10
84	6h25	18NiCrMo5	cementazione	60	rettificata	lungo	1,5_2_2,5_3_3,183_4_5_6_8_10
85	6h25	C45E	tempra ad induzione	55-58	rettificata	lungo	1,5_2_2,5_3_3,183_4_5_6_8_10

SERIES	QUALITY	MATERIAL	HEAT-TREATMENT	HRC	SURFACE	HUB	MODULES
80	6h25	16MnCr5	case-hardening	60	ground	short	1,5_2_2,5_3_3,183_4_5_6_8_10
81	6h25	18NiCrMo5	case-hardening	60	ground	short	1,5_2_2,5_3_3,183_4_5_6_8_10
82	6h25	C45E	induction-hardened teeth	55-58	ground	short	1,5_2_2,5_3_3,183_4_5_6_8_10
83	6h25	16MnCr5	case-hardening	60	ground	long	1,5_2_2,5_3_3,183_4_5_6_8_10
84	6h25	18NiCrMo5	case-hardening	60	ground	long	1,5_2_2,5_3_3,183_4_5_6_8_10
85	6h25	C45E	induction-hardened teeth	55-58	ground	long	1,5_2_2,5_3_3,183_4_5_6_8_10

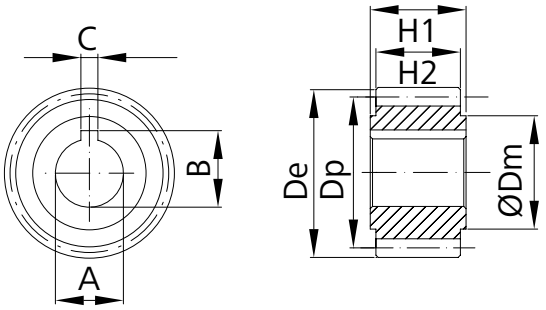


Dentatura Elicoidale SERIE 80
Helical tooth system SERIES 80

Q6 - 16MnCr5
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **16MnCr5**
Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



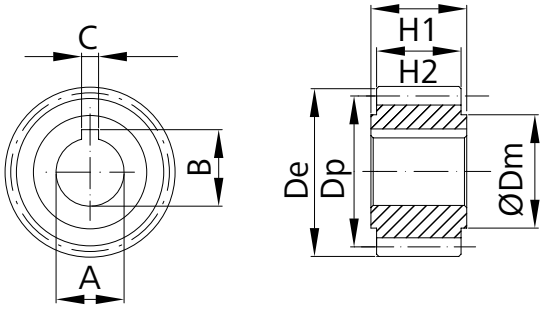
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG36L015016S	1,5	16	28,46	25,46	5	18,3	15	28	30	20	19°31'42''
1HG36L015018S	1,5	18	31,64	28,64	5	18,3	15	28	30	22	19°31'42''
1HG36L015020S	1,5	20	34,83	31,83	6	22,8	20	28	30	25	19°31'42''
1HG36L015024S	1,5	24	41,19	38,19	8	28,3	25	28	30	32	19°31'42''
1HG36L015030S	1,5	30	50,74	47,74	8	28,3	25	28	30	40	19°31'42''
1HG36L015040S	1,5	40	66,66	63,66	12	43,3	40	28	30	58	19°31'42''
1HG36L020016S	2	16	37,952	33,952	5	18,3	15	28	30	25	19°31'42''
1HG36L020018S	2	18	42,197	38,197	5	22,8	20	28	30	30	19°31'42''
1HG36L020020S	2	20	46,441	42,441	6	23,3	20	28	30	30	19°31'42''
1HG36L020022S	2	22	50,685	46,685	8	28,3	25	28	30	36	19°31'42''
1HG36L020024S	2	24	54,929	50,929	8	28,3	25	28	30	36	19°31'42''
1HG36L020030S	2	30	67,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG36L020040S	2	40	88,882	84,882	12	43,3	40	28	30	62	19°31'42''
1HG36L025024S	2,5	24	68,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG36L030020S	3	20	69,661	63,661	6	22,8	20	28	30	30	19°31'42''
1HG36L030022S	3	22	76,027	70,027	8	28,3	25	28	30	36	19°31'42''
1HG36L030024S	3	24	82,394	76,394	8	28,3	25	28	30	36	19°31'42''
1HG36L030040S	3	40	133,323	127,323	12	43,3	40	28	30	62	19°31'42''
1HG36L031020S	3,183	20	73,911	67,545	6	22,8	20	28	30	30	19°31'42''
1HG36L031022S	3,183	22	80,665	74,299	8	28,3	25	28	30	36	19°31'42''
1HG36L031024S	3,183	24	87,42	81,054	8	28,3	25	28	30	36	19°31'42''
1HG36L031030S	3,183	30	107,683	101,317	8	28,3	25	28	30	36	19°31'42''
1HG36L040020S	4	20	92,882	84,882	10	38,3	35	40	50	55	19°31'42''
1HG36L040025S	4	25	114,102	106,102	10	38,3	35	40	50	55	19°31'42''
1HG36L040030S	4	30	135,323	127,323	10	38,3	35	40	50	55	19°31'42''
1HG36L040032S	4	32	143,811	135,811	10	38,3	35	40	50	55	19°31'42''
1HG36L050020S	5	20	116,102	106,102	14	48,3	45	50	60	68	19°31'42''
1HG36L050024S	5	24	137,323	127,323	14	48,3	45	50	60	68	19°31'42''
1HG36L050025S	5	25	142,628	132,628	14	48,3	45	50	60	68	19°31'42''
1HG36L050030S	5	30	169,154	159,154	14	48,3	45	50	60	68	19°31'42''
1HG36L060020S	6	20	139,323	127,323	16	59,3	55	60	70	80	19°31'42''
1HG36L060021S	6	21	145,689	133,689	16	59,3	55	60	70	80	19°31'42''
1HG36L060024S	6	24	164,788	152,788	16	59,3	55	60	70	80	19°31'42''
1HG36L060025S	6	25	171,154	159,154	16	59,3	55	60	70	80	19°31'42''
1HG36L060030S	6	30	202,985	190,985	16	59,3	55	60	70	80	19°31'42''
1HG36L080020S	8	20	185,764	169,764	20	79,9	75	80	100	110	19°31'42''
1HG36L100020S	10	20	232,205	212,205	22	90,4	85	100	120	125	19°31'42''

Dentatura Elicoidale SERIE 81
Helical tooth system SERIES 81

Q6 - 18NiCrMo5
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **18NiCrMo5**
Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



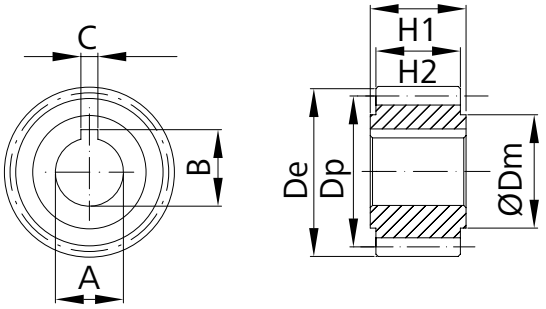
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG86L015016S	1,5	16	28,46	25,46	5	18,3	15	28	30	20	19°31'42''
1HG86L015018S	1,5	18	31,64	28,64	5	18,3	15	28	30	22	19°31'42''
1HG86L015020S	1,5	20	34,83	31,83	6	22,8	20	28	30	25	19°31'42''
1HG86L015024S	1,5	24	41,19	38,19	8	28,3	25	28	30	32	19°31'42''
1HG86L015030S	1,5	30	50,74	47,74	8	28,3	25	28	30	40	19°31'42''
1HG86L015040S	1,5	40	66,66	63,66	12	43,3	40	28	30	58	19°31'42''
1HG86L020016S	2	16	37,952	33,952	5	18,3	15	28	30	25	19°31'42''
1HG86L020018S	2	18	42,197	38,197	5	18,3	20	28	30	30	19°31'42''
1HG86L020020S	2	20	46,441	42,441	6	22,8	20	28	30	30	19°31'42''
1HG86L020022S	2	22	50,685	46,685	8	28,3	25	28	30	36	19°31'42''
1HG86L020024S	2	24	54,929	50,929	8	28,3	25	28	30	36	19°31'42''
1HG86L020030S	2	30	67,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG86L020040S	2	40	88,882	84,882	12	43,3	40	28	30	62	19°31'42''
1HG86L025024S	2,5	24	68,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG86L030020S	3	20	69,661	63,661	6	22,8	20	28	30	30	19°31'42''
1HG86L030022S	3	22	76,027	70,027	8	28,3	25	28	30	36	19°31'42''
1HG86L030024S	3	24	82,394	76,394	8	28,3	25	28	30	36	19°31'42''
1HG86L030040S	3	40	133,323	127,323	12	43,3	40	28	30	62	19°31'42''
1HG86L031020S	3,183	20	73,911	67,545	6	22,8	20	28	30	30	19°31'42''
1HG86L031022S	3,183	22	80,665	74,299	8	28,3	25	28	30	36	19°31'42''
1HG86L031024S	3,183	24	87,42	81,054	8	28,3	25	28	30	36	19°31'42''
1HG86L031030S	3,183	30	107,683	101,317	8	28,3	25	28	30	36	19°31'42''
1HG86L040020S	4	20	92,882	84,882	10	38,3	35	40	50	55	19°31'42''
1HG86L040025S	4	25	114,102	106,102	10	38,3	35	40	50	55	19°31'42''
1HG86L040030S	4	30	135,323	127,323	10	38,3	35	40	50	55	19°31'42''
1HG86L040032S	4	32	143,811	135,811	10	38,3	35	40	50	55	19°31'42''
1HG86L050020S	5	20	116,102	106,102	14	48,3	45	50	60	68	19°31'42''
1HG86L050024S	5	24	137,323	127,323	14	48,3	45	50	60	68	19°31'42''
1HG86L050025S	5	25	142,628	132,628	14	48,3	45	50	60	68	19°31'42''
1HG86L050030S	5	30	169,154	159,154	14	48,3	45	50	60	68	19°31'42''
1HG86L060020S	6	20	139,323	127,323	16	59,3	55	60	70	80	19°31'42''
1HG86L060021S	6	21	145,689	133,689	16	59,3	55	60	70	80	19°31'42''
1HG86L060024S	6	24	164,788	152,788	16	59,3	55	60	70	80	19°31'42''
1HG86L060025S	6	25	171,154	159,154	16	59,3	55	60	70	80	19°31'42''
1HG86L060030S	6	30	202,985	190,985	16	59,3	55	60	70	80	19°31'42''
1HG86L080020S	8	20	185,764	169,764	20	79,9	75	80	100	110	19°31'42''
1HG86L100020S	10	20	232,205	212,205	22	90,4	85	100	120	125	19°31'42''

Dentatura Elicoidale SERIE 82
Helical tooth system SERIES 82

Q6 - C45E
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **C45E**
Trattamento termico: denti temprati ad induzione 55-58 HRC
Heat-treatment: induction-hardened teeth 55-58 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



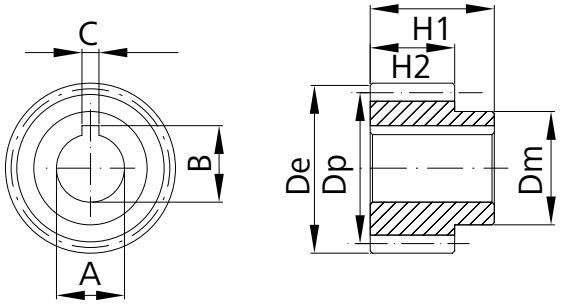
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG16L015016S	1,5	16	28,46	25,46	5	18,3	15	28	30	20	19°31'42''
1HG16L015018S	1,5	18	31,64	28,64	5	18,3	15	28	30	22	19°31'42''
1HG16L015020S	1,5	20	34,83	31,83	6	22,8	20	28	30	25	19°31'42''
1HG16L015024S	1,5	24	41,19	38,19	8	28,3	25	28	30	32	19°31'42''
1HG16L015030S	1,5	30	50,74	47,74	8	28,3	25	28	30	40	19°31'42''
1HG16L015040S	1,5	40	66,66	63,66	12	43,3	40	28	30	58	19°31'42''
1HG16L020016S	2	16	37,952	33,952	5	18,3	15	28	30	25	19°31'42''
1HG16L020018S	2	18	42,197	38,197	5	18,3	20	28	30	30	19°31'42''
1HG16L020020S	2	20	46,441	42,441	6	22,8	20	28	30	30	19°31'42''
1HG16L020022S	2	22	50,685	46,685	8	28,3	25	28	30	36	19°31'42''
1HG16L020024S	2	24	54,929	50,929	8	28,3	25	28	30	36	19°31'42''
1HG16L020030S	2	30	67,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG16L020040S	2	40	88,882	84,882	12	43,3	40	28	30	62	19°31'42''
1HG16L025024S	2,5	24	68,661	63,661	8	28,3	25	28	30	36	19°31'42''
1HG16L030020S	3	20	69,661	63,661	6	22,8	20	28	30	30	19°31'42''
1HG16L030022S	3	22	76,027	70,027	8	28,3	25	28	30	36	19°31'42''
1HG16L030024S	3	24	82,394	76,394	8	28,3	25	28	30	36	19°31'42''
1HG16L030040S	3	40	133,323	127,323	12	43,3	40	28	30	62	19°31'42''
1HG16L031020S	3,183	20	73,911	67,545	6	22,8	20	28	30	30	19°31'42''
1HG16L031022S	3,183	22	80,665	74,299	8	28,3	25	28	30	36	19°31'42''
1HG16L031024S	3,183	24	87,42	81,054	8	28,3	25	28	30	36	19°31'42''
1HG16L031030S	3,183	30	107,683	101,317	8	28,3	25	28	30	36	19°31'42''
1HG16L040020S	4	20	92,882	84,882	10	38,3	35	40	50	55	19°31'42''
1HG16L040025S	4	25	114,102	106,102	10	38,3	35	40	50	55	19°31'42''
1HG16L040030S	4	30	135,323	127,323	10	38,3	35	40	50	55	19°31'42''
1HG16L040032S	4	32	143,811	135,811	10	38,3	35	40	50	55	19°31'42''
1HG16L050020S	5	20	116,102	106,102	14	48,3	45	50	60	68	19°31'42''
1HG16L050024S	5	24	137,323	127,323	14	48,3	45	50	60	68	19°31'42''
1HG16L050025S	5	25	142,628	132,628	14	48,3	45	50	60	68	19°31'42''
1HG16L050030S	5	30	169,154	159,154	14	48,3	45	50	60	68	19°31'42''
1HG16L060020S	6	20	139,323	127,323	16	59,3	55	60	70	80	19°31'42''
1HG16L060021S	6	21	145,689	133,689	16	59,3	55	60	70	80	19°31'42''
1HG16L060024S	6	24	164,788	152,788	16	59,3	55	60	70	80	19°31'42''
1HG16L060025S	6	25	171,154	159,154	16	59,3	55	60	70	80	19°31'42''
1HG16L060030S	6	30	202,985	190,985	16	59,3	55	60	70	80	19°31'42''
1HG16L080020S	8	20	185,764	169,764	20	79,9	75	80	100	110	19°31'42''
1HG16L100020S	10	20	232,205	212,205	22	90,4	85	100	120	125	19°31'42''

Dentatura Elicoidale SERIE 83
Helical tooth system SERIES 83

Q6 - 16MnCr5
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **16MnCr5**
Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



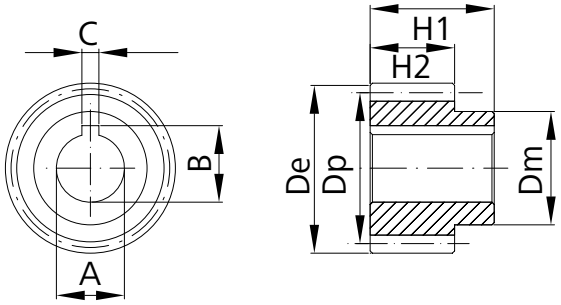
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG36L015016L	1,5	16	28,46	25,46	5	18,3	15	28	65	20	19°31'42''
1HG36L015018L	1,5	18	31,64	28,64	5	18,3	15	28	65	22	19°31'42''
1HG36L015020L	1,5	20	34,83	31,83	6	22,8	20	28	65	25	19°31'42''
1HG36L015024L	1,5	24	41,19	38,19	8	28,3	25	28	65	32	19°31'42''
1HG36L015030L	1,5	30	50,74	47,74	8	28,3	25	28	65	40	19°31'42''
1HG36L015040L	1,5	40	66,66	63,66	12	43,3	40	28	65	58	19°31'42''
1HG36L020016L	2	16	37,953	33,953	5	18,3	15	28	65	25	19°31'42''
1HG36L020018L	2	18	42,197	38,197	5	18,3	20	28	65	30	19°31'42''
1HG36L020020L	2	20	46,441	42,441	6	22,8	20	28	65	30	19°31'42''
1HG36L020022L	2	22	50,685	46,685	8	28,3	25	28	65	36	19°31'42''
1HG36L020024L	2	24	54,929	50,929	8	28,3	25	28	65	36	19°31'42''
1HG36L020030L	2	30	67,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG36L020040L	2	40	88,882	84,882	12	43,3	40	28	65	62	19°31'42''
1HG36L025024L	2,5	24	68,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG36L030020L	3	20	69,662	63,662	6	22,8	20	28	65	30	19°31'42''
1HG36L030022L	3	22	76,028	70,028	8	28,3	25	28	65	36	19°31'42''
1HG36L030024L	3	24	82,394	76,394	8	28,3	25	28	65	36	19°31'42''
1HG36L030040L	3	40	133,323	127,323	12	43,3	40	28	65	62	19°31'42''
1HG36L031020L	3,183	20	73,911	67,545	6	22,8	20	28	65	30	19°31'42''
1HG36L031022L	3,183	22	80,666	74,3	8	28,3	25	28	65	36	19°31'42''
1HG36L031024L	3,183	24	87,42	81,054	8	28,3	25	28	65	36	19°31'42''
1HG36L031030L	3,183	30	107,684	101,318	8	28,3	25	28	65	36	19°31'42''
1HG36L040020L	4	20	92,882	84,882	10	38,3	35	40	75	55	19°31'42''
1HG36L040025L	4	25	114,103	106,103	10	38,3	35	40	75	55	19°31'42''
1HG36L040030L	4	30	135,323	127,323	10	38,3	35	40	75	55	19°31'42''
1HG36L040032L	4	32	143,812	135,812	10	38,3	35	40	75	55	19°31'42''
1HG36L050020L	5	20	116,103	106,103	14	48,3	45	50	75	68	19°31'42''
1HG36L050024L	5	24	137,323	127,323	14	48,3	45	50	75	68	19°31'42''
1HG36L050025L	5	25	142,629	132,629	14	48,3	45	50	75	68	19°31'42''
1HG36L050030L	5	30	169,154	159,154	14	48,3	45	50	75	68	19°31'42''
1HG36L060020L	6	20	139,323	127,323	16	59,3	55	60	120	80	19°31'42''
1HG36L060021L	6	21	145,69	133,69	16	59,3	55	60	120	80	19°31'42''
1HG36L060024L	6	24	164,788	152,788	16	59,3	55	60	120	80	19°31'42''
1HG36L060025L	6	25	171,154	159,154	16	59,3	55	60	120	80	19°31'42''
1HG36L060030L	6	30	202,985	190,985	16	59,3	55	60	120	80	19°31'42''
1HG36L080020L	8	20	185,765	169,765	20	79,9	75	80	145	110	19°31'42''
1HG36L100020L	10	20	232,206	212,206	22	90,4	85	100	165	125	19°31'42''

Dentatura Elicoidale SERIE 84
Helical tooth system SERIES 84

Q6 - 18NiCrMo5
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **18NiCrMo5**
Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



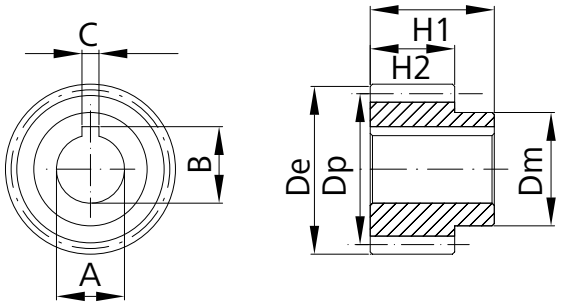
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG86L015016L	1,5	16	28,46	25,46	5	18,3	15	28	65	20	19°31'42''
1HG86L015018L	1,5	18	31,64	28,64	5	18,3	15	28	65	22	19°31'42''
1HG86L015020L	1,5	20	34,83	31,83	6	22,8	20	28	65	25	19°31'42''
1HG86L015024L	1,5	24	41,19	38,19	8	28,3	25	28	65	32	19°31'42''
1HG86L015030L	1,5	30	50,74	47,74	8	28,3	25	28	65	40	19°31'42''
1HG86L015040L	1,5	40	66,66	63,66	12	43,3	40	28	65	58	19°31'42''
1HG86L020016L	2	16	37,953	33,953	5	18,3	15	28	65	25	19°31'42''
1HG86L020018L	2	18	42,197	38,197	5	18,3	20	28	65	30	19°31'42''
1HG86L020020L	2	20	46,441	42,441	6	22,8	20	28	65	30	19°31'42''
1HG86L020022L	2	22	50,685	46,685	8	28,3	25	28	65	36	19°31'42''
1HG86L020024L	2	24	54,929	50,929	8	28,3	25	28	65	36	19°31'42''
1HG86L020030L	2	30	67,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG86L020040L	2	40	88,882	84,882	12	43,3	40	28	65	62	19°31'42''
1HG86L025024L	2,5	24	68,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG86L030020L	3	20	69,662	63,662	6	22,8	20	28	65	30	19°31'42''
1HG86L030022L	3	22	76,028	70,028	8	28,3	25	28	65	36	19°31'42''
1HG86L030024L	3	24	82,394	76,394	8	28,3	25	28	65	36	19°31'42''
1HG86L030040L	3	40	133,323	127,323	12	43,3	40	28	65	62	19°31'42''
1HG86L031020L	3,183	20	73,911	67,545	6	22,8	20	28	65	30	19°31'42''
1HG86L031022L	3,183	22	80,666	74,3	8	28,3	25	28	65	36	19°31'42''
1HG86L031024L	3,183	24	87,42	81,054	8	28,3	25	28	65	36	19°31'42''
1HG86L031030L	3,183	30	107,684	101,318	8	28,3	25	28	65	36	19°31'42''
1HG86L040020L	4	20	92,882	84,882	10	38,3	35	40	75	55	19°31'42''
1HG86L040025L	4	25	114,103	106,103	10	38,3	35	40	75	55	19°31'42''
1HG86L040030L	4	30	135,323	127,323	10	38,3	35	40	75	55	19°31'42''
1HG86L040032L	4	32	143,812	135,812	10	38,3	35	40	75	55	19°31'42''
1HG86L050020L	5	20	116,103	106,103	14	48,3	45	50	75	68	19°31'42''
1HG86L050024L	5	24	137,323	127,323	14	48,3	45	50	75	68	19°31'42''
1HG86L050025L	5	25	142,629	132,629	14	48,3	45	50	75	68	19°31'42''
1HG86L050030L	5	30	169,154	159,154	14	48,3	45	50	75	68	19°31'42''
1HG86L060020L	6	20	139,323	127,323	16	59,3	55	60	120	80	19°31'42''
1HG86L060021L	6	21	145,69	133,69	16	59,3	55	60	120	80	19°31'42''
1HG86L060024L	6	24	164,788	152,788	16	59,3	55	60	120	80	19°31'42''
1HG86L060025L	6	25	171,154	159,154	16	59,3	55	60	120	80	19°31'42''
1HG86L060030L	6	30	202,985	190,985	16	59,3	55	60	120	80	19°31'42''
1HG86L080020L	8	20	185,765	169,765	20	79,9	75	80	145	110	19°31'42''
1HG86L100020L	10	20	232,206	212,206	22	90,4	85	100	165	125	19°31'42''

Dentatura Elicoidale SERIE **85**
Helical tooth system SERIES 85

Q6 - C45E
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25** - **Materiale** / *Material:* **C45E**
Trattamento termico: denti temprati ad induzione 55-58 HRC
Heat-treatment: induction-hardened teeth 55-58 HRC

Denti elicoidali: 19° 31' 42'' Sx
Helical tooth system: 19° 31' 42'' Left-hand
Superficie: rettificata / *Surface: ground*



CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8	β
1HG16L015016L	1,5	16	28,46	25,46	5	18,3	15	28	65	20	19°31'42''
1HG16L015018L	1,5	18	31,64	28,64	5	18,3	15	28	65	22	19°31'42''
1HG16L015020L	1,5	20	34,83	31,83	6	22,8	20	28	65	25	19°31'42''
1HG16L015024L	1,5	24	41,19	38,19	8	28,3	25	28	65	32	19°31'42''
1HG16L015030L	1,5	30	50,74	47,74	8	28,3	25	28	65	40	19°31'42''
1HG16L015040L	1,5	40	66,66	63,66	12	43,3	40	28	65	58	19°31'42''
1HG16L020016L	2	16	37,953	33,953	5	18,3	15	28	65	25	19°31'42''
1HG16L020018L	2	18	42,197	38,197	5	18,3	20	28	65	30	19°31'42''
1HG16L020020L	2	20	46,441	42,441	6	22,8	20	28	65	30	19°31'42''
1HG16L020022L	2	22	50,685	46,685	8	28,3	25	28	65	36	19°31'42''
1HG16L020024L	2	24	54,929	50,929	8	28,3	25	28	65	36	19°31'42''
1HG16L020030L	2	30	67,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG16L020040L	2	40	88,882	84,882	12	43,3	40	28	65	62	19°31'42''
1HG16L025024L	2,5	24	68,662	63,662	8	28,3	25	28	65	36	19°31'42''
1HG16L030020L	3	20	69,662	63,662	6	22,8	20	28	65	30	19°31'42''
1HG16L030022L	3	22	76,028	70,028	8	28,3	25	28	65	36	19°31'42''
1HG16L030024L	3	24	82,394	76,394	8	28,3	25	28	65	36	19°31'42''
1HG16L030040L	3	40	133,323	127,323	12	43,3	40	28	65	62	19°31'42''
1HG16L031020L	3,183	20	73,911	67,545	6	22,8	20	28	65	30	19°31'42''
1HG16L031022L	3,183	22	80,666	74,3	8	28,3	25	28	65	36	19°31'42''
1HG16L031024L	3,183	24	87,42	81,054	8	28,3	25	28	65	36	19°31'42''
1HG16L031030L	3,183	30	107,684	101,318	8	28,3	25	28	65	36	19°31'42''
1HG16L040020L	4	20	92,882	84,882	10	38,3	35	40	75	55	19°31'42''
1HG16L040025L	4	25	114,103	106,103	10	38,3	35	40	75	55	19°31'42''
1HG16L040030L	4	30	135,323	127,323	10	38,3	35	40	75	55	19°31'42''
1HG16L040032L	4	32	143,812	135,812	10	38,3	35	40	75	55	19°31'42''
1HG16L050020L	5	20	116,103	106,103	14	48,3	45	50	75	68	19°31'42''
1HG16L050024L	5	24	137,323	127,323	14	48,3	45	50	75	68	19°31'42''
1HG16L050025L	5	25	142,629	132,629	14	48,3	45	50	75	68	19°31'42''
1HG16L050030L	5	30	169,154	159,154	14	48,3	45	50	75	68	19°31'42''
1HG16L060020L	6	20	139,323	127,323	16	59,3	55	60	120	80	19°31'42''
1HG16L060021L	6	21	145,69	133,69	16	59,3	55	60	120	80	19°31'42''
1HG16L060024L	6	24	164,788	152,788	16	59,3	55	60	120	80	19°31'42''
1HG16L060025L	6	25	171,154	159,154	16	59,3	55	60	120	80	19°31'42''
1HG16L060030L	6	30	202,985	190,985	16	59,3	55	60	120	80	19°31'42''
1HG16L080020L	8	20	185,765	169,765	20	79,9	75	80	145	110	19°31'42''
1HG16L100020L	10	20	232,206	212,206	22	90,4	85	100	165	125	19°31'42''

INGRANAGGI A DENTI DRITTI
Indice

STRAIGHT GEARS
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SERIE	QUALITÀ	MATERIALE	TRATTAMENTO TERMICO	HRC	SUPERFICIE	MOZZO	MODULI DISPONIBILI
90	6h25	16MnCr5	cementazione	60	rettificata	corto	1,5_2_3_3,183_4_5_6_8_10
91	6h25	18NiCrMo5	cementazione	60	rettificata	corto	1,5_2_3_3,183_4_5_6_8_10
92	6h25	C45E	tempra ad induzione	55-58	rettificata	corto	1,5_2_3_3,183_4_5_6_8_10
93	6h25	16MnCr5	cementazione	60	rettificata	lungo	1,5_2_3_3,183_4_5_6_8_10
94	6h25	18NiCrMo5	cementazione	60	rettificata	lungo	1,5_2_3_3,183_4_5_6_8_10
95	6h25	C45E	tempra ad induzione	55-58	rettificata	lungo	1,5_2_3_3,183_4_5_6_8_10

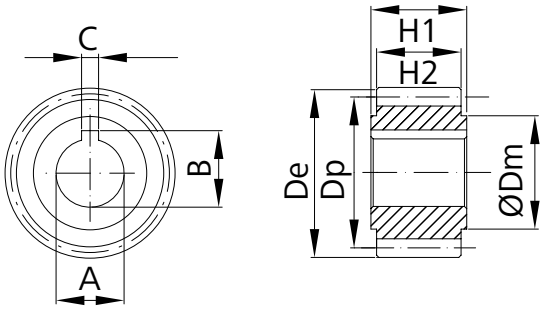
SERIES	QUALITY	MATERIAL	HEAT-TREATMENT	HRC	SURFACE	HUB	MODULES
90	6h25	16MnCr5	case-hardening	60	ground	short	1,5_2_3_3,183_4_5_6_8_10
91	6h25	18NiCrMo5	case-hardening	60	ground	short	1,5_2_3_3,183_4_5_6_8_10
92	6h25	C45E	induction-hardened teeth	55-58	ground	short	1,5_2_3_3,183_4_5_6_8_10
93	6h25	16MnCr5	case-hardening	60	ground	long	1,5_2_3_3,183_4_5_6_8_10
94	6h25	18NiCrMo5	case-hardening	60	ground	long	1,5_2_3_3,183_4_5_6_8_10
95	6h25	C45E	induction-hardened teeth	55-58	ground	long	1,5_2_3_3,183_4_5_6_8_10

Dentatura Dritta SERIE 90
Straight tooth system SERIES 90

Q6 - 16MnCr5
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **16MnCr5**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC
Superficie: rettificata / *Surface: ground*



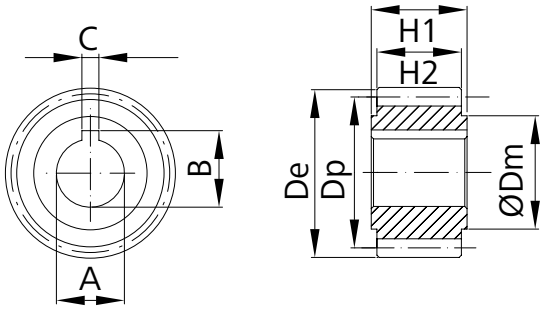
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG36S015016S	1,5	16	27	24	5	18,3	15	28	30	20
1SG36S015018S	1,5	18	30	27	5	18,3	15	28	30	22
1SG36S015020S	1,5	20	33	30	6	22,8	20	28	30	25
1SG36S015024S	1,5	24	39	36	8	28,3	25	28	30	32
1SG36S015030S	1,5	30	48	45	8	28,3	25	28	30	40
1SG36S015040S	1,5	40	63	60	12	43,3	40	28	30	58
1SG36S020016S	2	16	36	32	5	18,3	15	28	30	25
1SG36S020018S	2	18	40	36	5	18,3	20	28	30	30
1SG36S020020S	2	20	44	40	6	22,8	20	28	30	30
1SG36S020022S	2	22	48	44	8	28,3	25	28	30	36
1SG36S020024S	2	24	52	48	8	28,3	25	28	30	36
1SG36S020030S	2	30	64	60	8	28,3	25	28	30	36
1SG36S020040S	2	40	84	80	12	43,3	40	28	30	62
1SG36S030020S	3	20	66	60	6	22,8	20	28	30	30
1SG36S030022S	3	22	72	66	8	28,3	25	28	30	36
1SG36S030024S	3	24	78	72	8	28,3	25	28	30	36
1SG36S030040S	3	40	126	120	12	43,3	40	28	30	62
1SG36S031020S	3,183	20	70,02	63,66	6	22,8	20	28	30	30
1SG36S031022S	3,183	22	76,39	70,02	8	28,3	25	28	30	36
1SG36S031024S	3,183	24	82,75	76,39	8	28,3	25	28	30	36
1SG36S031030S	3,183	30	101,85	95,49	8	28,3	25	28	30	36
1SG36S040020S	4	20	88	80	10	38,3	35	40	50	55
1SG36S040025S	4	25	108	100	10	38,3	35	40	50	55
1SG36S040030S	4	30	128	120	10	38,3	35	40	50	55
1SG36S040032S	4	32	136	128	10	38,3	35	40	50	55
1SG36S050020S	5	20	110	100	14	48,3	45	50	60	68
1SG36S050024S	5	24	130	120	14	48,3	45	50	60	68
1SG36S050025S	5	25	135	125	14	48,3	45	50	60	68
1SG36S050030S	5	30	160	150	14	48,3	45	50	60	68
1SG36S060020S	6	20	132	120	16	59,3	55	60	70	80
1SG36S060021S	6	21	138	126	16	59,3	55	60	70	80
1SG36S060024S	6	24	156	144	16	59,3	55	60	70	80
1SG36S060025S	6	25	162	150	16	59,3	55	60	70	80
1SG36S060030S	6	30	192	180	16	59,3	55	60	70	80
1SG36S080020S	8	20	176	160	20	79,9	75	80	100	110
1SG36S100020S	10	20	220	200	22	90,4	85	100	120	125

Dentatura Dritta SERIE 91
Straight tooth system SERIES 91

Q6 - 18NiCrMo5
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **18NiCrMo5**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC
Superficie: rettificata / *Surface: ground*



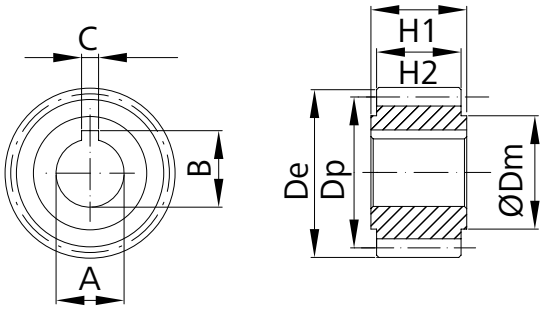
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG86S015016S	1,5	16	27	24	5	18,3	15	28	30	20
1SG86S015018S	1,5	18	30	27	5	18,3	15	28	30	22
1SG86S015020S	1,5	20	33	30	6	22,8	20	28	30	25
1SG86S015024S	1,5	24	39	36	8	28,3	25	28	30	32
1SG86S015030S	1,5	30	48	45	8	28,3	25	28	30	40
1SG86S015040S	1,5	40	63	60	12	43,3	40	28	30	58
1SG86S020016S	2	16	36	32	5	18,3	15	28	30	25
1SG86S020018S	2	18	40	36	5	18,3	20	28	30	30
1SG86S020020S	2	20	44	40	6	22,8	20	28	30	30
1SG86S020022S	2	22	48	44	8	28,3	25	28	30	36
1SG86S020024S	2	24	52	48	8	28,3	25	28	30	36
1SG86S020030S	2	30	64	60	8	28,3	25	28	30	36
1SG86S020040S	2	40	84	80	12	43,3	40	28	30	62
1SG86S030020S	3	20	66	60	6	22,8	20	28	30	30
1SG86S030022S	3	22	72	66	8	28,3	25	28	30	36
1SG86S030024S	3	24	78	72	8	28,3	25	28	30	36
1SG86S030040S	3	40	126	120	12	43,3	40	28	30	62
1SG86S031020S	3,183	20	70,02	63,66	6	22,8	20	28	30	30
1SG86S031022S	3,183	22	76,39	70,02	8	28,3	25	28	30	36
1SG86S031024S	3,183	24	82,75	76,39	8	28,3	25	28	30	36
1SG86S031030S	3,183	30	101,85	95,49	8	28,3	25	28	30	36
1SG86S040020S	4	20	88	80	10	38,3	35	40	50	55
1SG86S040025S	4	25	108	100	10	38,3	35	40	50	55
1SG86S040030S	4	30	128	120	10	38,3	35	40	50	55
1SG86S040032S	4	32	136	128	10	38,3	35	40	50	55
1SG86S050020S	5	20	110	100	14	48,3	45	50	60	68
1SG86S050024S	5	24	130	120	14	48,3	45	50	60	68
1SG86S050025S	5	25	135	125	14	48,3	45	50	60	68
1SG86S050030S	5	30	160	150	14	48,3	45	50	60	68
1SG86S060020S	6	20	132	120	16	59,3	55	60	70	80
1SG86S060021S	6	21	138	126	16	59,3	55	60	70	80
1SG86S060024S	6	24	156	144	16	59,3	55	60	70	80
1SG86S060025S	6	25	162	150	16	59,3	55	60	70	80
1SG86S060030S	6	30	192	180	16	59,3	55	60	70	80
1SG86S080020S	8	20	176	160	20	79,9	75	80	100	110
1SG86S100020S	10	20	220	200	22	90,4	85	100	120	125

Dentatura Dritta SERIE 92
Straight tooth system SERIES 92

Q6 - C45E
Mozzo Corto Short Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **C45E**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: denti temprati ad induzione 55-58 HRC
Heat-treatment: induction-hardened teeth 55-58 HRC
Superficie: rettificata / *Surface: ground*



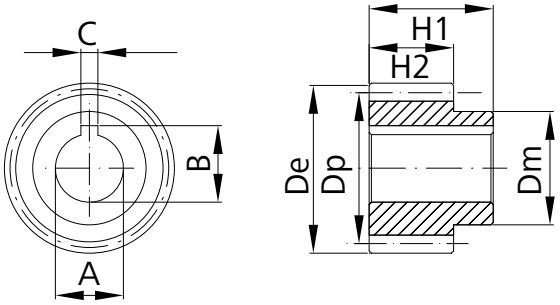
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG16S015016S	1,5	16	27	24	5	18,3	15	28	30	20
1SG16S015018S	1,5	18	30	27	5	18,3	15	28	30	22
1SG16S015020S	1,5	20	33	30	6	22,8	20	28	30	25
1SG16S015024S	1,5	24	39	36	8	28,3	25	28	30	32
1SG16S015030S	1,5	30	48	45	8	28,3	25	28	30	40
1SG16S015040S	1,5	40	63	60	12	43,3	40	28	30	58
1SG16S020016S	2	16	36	32	5	18,3	15	28	30	25
1SG16S020018S	2	18	40	36	5	18,3	20	28	30	30
1SG16S020020S	2	20	44	40	6	22,8	20	28	30	30
1SG16S020022S	2	22	48	44	8	28,3	25	28	30	36
1SG16S020024S	2	24	52	48	8	28,3	25	28	30	36
1SG16S020030S	2	30	64	60	8	28,3	25	28	30	36
1SG16S020040S	2	40	84	80	12	43,3	40	28	30	62
1SG16S030020S	3	20	66	60	6	22,8	20	28	30	30
1SG16S030022S	3	22	72	66	8	28,3	25	28	30	36
1SG16S030024S	3	24	78	72	8	28,3	25	28	30	36
1SG16S030040S	3	40	126	120	12	43,3	40	28	30	62
1SG16S031020S	3,183	20	70,02	63,66	6	22,8	20	28	30	30
1SG16S031022S	3,183	22	76,39	70,02	8	28,3	25	28	30	36
1SG16S031024S	3,183	24	82,75	76,39	8	28,3	25	28	30	36
1SG16S031030S	3,183	30	101,85	95,49	8	28,3	25	28	30	36
1SG16S040020S	4	20	88	80	10	38,3	35	40	50	55
1SG16S040025S	4	25	108	100	10	38,3	35	40	50	55
1SG16S040030S	4	30	128	120	10	38,3	35	40	50	55
1SG16S040032S	4	32	136	128	10	38,3	35	40	50	55
1SG16S050020S	5	20	110	100	14	48,3	45	50	60	68
1SG16S050024S	5	24	130	120	14	48,3	45	50	60	68
1SG16S050025S	5	25	135	125	14	48,3	45	50	60	68
1SG16S050030S	5	30	160	150	14	48,3	45	50	60	68
1SG16S060020S	6	20	132	120	16	59,3	55	60	70	80
1SG16S060021S	6	21	138	126	16	59,3	55	60	70	80
1SG16S060024S	6	24	156	144	16	59,3	55	60	70	80
1SG16S060025S	6	25	162	150	16	59,3	55	60	70	80
1SG16S060030S	6	30	192	180	16	59,3	55	60	70	80
1SG16S080020S	8	20	176	160	20	79,9	75	80	100	110
1SG16S100020S	10	20	220	200	22	90,4	85	100	120	125

Dentatura Dritta SERIE **93**
Straight tooth system SERIES 93

Q6 - 16MnCr5
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **16MnCr5**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC
Superficie: rettificata / *Surface: ground*



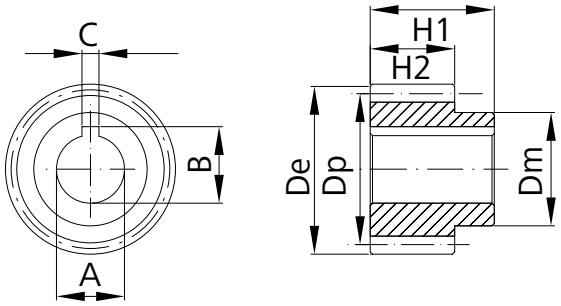
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG36S015016L	1,5	16	27	24	5	18,3	15	28	65	20
1SG36S015018L	1,5	18	30	27	5	18,3	15	28	65	22
1SG36S015020L	1,5	20	33	30	6	22,8	20	28	65	25
1SG36S015024L	1,5	24	39	36	8	28,3	25	28	65	32
1SG36S015030L	1,5	30	48	45	8	28,3	25	28	65	40
1SG36S015040L	1,5	40	63	60	12	43,3	40	28	65	58
1SG36S020016L	2	16	36	32	5	18,3	15	28	65	25
1SG36S020018L	2	18	40	36	5	18,3	20	28	65	30
1SG36S020020L	2	20	44	40	6	22,8	20	28	65	30
1SG36S020022L	2	22	48	44	8	28,3	25	28	65	36
1SG36S020024L	2	24	52	48	8	28,3	25	28	65	36
1SG36S020030L	2	30	64	60	8	28,3	25	28	65	36
1SG36S020040L	2	40	84	80	12	43,3	40	28	65	62
1SG36S030020L	3	20	66	60	6	22,8	20	28	65	30
1SG36S030022L	3	22	72	66	8	28,3	25	28	65	36
1SG36S030024L	3	24	78	72	8	28,3	25	28	65	36
1SG36S030040L	3	40	126	120	12	43,3	40	28	65	62
1SG36S031020L	3,183	20	70,026	63,66	6	22,8	20	28	65	30
1SG36S031022L	3,183	22	76,392	70,026	8	28,3	25	28	65	36
1SG36S031024L	3,183	24	82,758	76,392	8	28,3	25	28	65	36
1SG36S031030L	3,183	30	101,856	95,49	8	28,3	25	28	65	36
1SG36S040020L	4	20	88	80	10	38,3	35	40	75	55
1SG36S040025L	4	25	108	100	10	38,3	35	40	75	55
1SG36S040030L	4	30	128	120	10	38,3	35	40	75	55
1SG36S040032L	4	32	136	128	10	38,3	35	40	75	55
1SG36S050020L	5	20	110	100	14	48,3	45	50	75	68
1SG36S050024L	5	24	130	120	14	48,3	45	50	75	68
1SG36S050025L	5	25	135	125	14	48,3	45	50	75	68
1SG36S050030L	5	30	160	150	14	48,3	45	50	75	68
1SG36S060020L	6	20	132	120	16	59,3	55	60	120	80
1SG36S060021L	6	21	138	126	16	59,3	55	60	120	80
1SG36S060024L	6	24	156	144	16	59,3	55	60	120	80
1SG36S060025L	6	25	162	150	16	59,3	55	60	120	80
1SG36S060030L	6	30	192	180	16	59,3	55	60	120	80
1SG36S080020L	8	20	176	160	20	79,9	75	80	145	110
1SG36S100020L	10	20	220	200	22	90,4	85	100	165	125

Dentatura Dritta SERIE 94
Straight tooth system SERIES 94

Q6 - 18NiCrMo5
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **18NiCrMo5**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: cementazione 60 HRC
Heat-treatment: case-hardening 60 HRC
Superficie: rettificata / *Surface: ground*



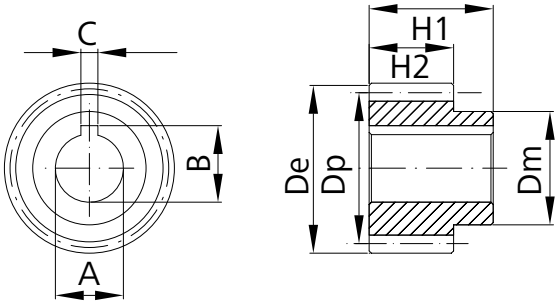
CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG86S015016L	1,5	16	27	24	5	18,3	15	28	65	20
1SG86S015018L	1,5	18	30	27	5	18,3	15	28	65	22
1SG86S015020L	1,5	20	33	30	6	22,8	20	28	65	25
1SG86S015024L	1,5	24	39	36	8	28,3	25	28	65	32
1SG86S015030L	1,5	30	48	45	8	28,3	25	28	65	40
1SG86S015040L	1,5	40	63	60	12	43,3	40	28	65	58
1SG86S020016L	2	16	36	32	5	18,3	15	28	65	25
1SG86S020018L	2	18	40	36	5	18,3	20	28	65	30
1SG86S020020L	2	20	44	40	6	22,8	20	28	65	30
1SG86S020022L	2	22	48	44	8	28,3	25	28	65	36
1SG86S020024L	2	24	52	48	8	28,3	25	28	65	36
1SG86S020030L	2	30	64	60	8	28,3	25	28	65	36
1SG86S020040L	2	40	84	80	12	43,3	40	28	65	62
1SG86S030020L	3	20	66	60	6	22,8	20	28	65	30
1SG86S030022L	3	22	72	66	8	28,3	25	28	65	36
1SG86S030024L	3	24	78	72	8	28,3	25	28	65	36
1SG86S030040L	3	40	126	120	12	43,3	40	28	65	62
1SG86S031020L	3,183	20	70,026	63,66	6	22,8	20	28	65	30
1SG86S031022L	3,183	22	76,392	70,026	8	28,3	25	28	65	36
1SG86S031024L	3,183	24	82,758	76,392	8	28,3	25	28	65	36
1SG86S031030L	3,183	30	101,856	95,49	8	28,3	25	28	65	36
1SG86S040020L	4	20	88	80	10	38,3	35	40	75	55
1SG86S040025L	4	25	108	100	10	38,3	35	40	75	55
1SG86S040030L	4	30	128	120	10	38,3	35	40	75	55
1SG86S040032L	4	32	136	128	10	38,3	35	40	75	55
1SG86S050020L	5	20	110	100	14	48,3	45	50	75	68
1SG86S050024L	5	24	130	120	14	48,3	45	50	75	68
1SG86S050025L	5	25	135	125	14	48,3	45	50	75	68
1SG86S050030L	5	30	160	150	14	48,3	45	50	75	68
1SG86S060020L	6	20	132	120	16	59,3	55	60	120	80
1SG86S060021L	6	21	138	126	16	59,3	55	60	120	80
1SG86S060024L	6	24	156	144	16	59,3	55	60	120	80
1SG86S060025L	6	25	162	150	16	59,3	55	60	120	80
1SG86S060030L	6	30	192	180	16	59,3	55	60	120	80
1SG86S080020L	8	20	176	160	20	79,9	75	80	145	110
1SG86S100020L	10	20	220	200	22	90,4	85	100	165	125

Dentatura Dritta SERIE 95
Straight tooth system SERIES 95

Q6 - C45E
Mozzo Lungo Long Hub

Qualità / *Quality:* **6h25**
Materiale / *Material:* **C45E**
Angolo di pressione / *Pressure angle:* **20°**

Trattamento termico: denti temprati ad induzione 55-58 HRC
Heat-treatment: induction-hardened teeth 55-58 HRC
Superficie: rettificata / *Surface: ground*



CODICE	M	Z	De	Dp	CH7	B	AH6	H2	H1	Dmh8
1SG16S015016L	1,5	16	27	24	5	18,3	15	28	65	20
1SG16S015018L	1,5	18	30	27	5	18,3	15	28	65	22
1SG16S015020L	1,5	20	33	30	6	22,8	20	28	65	25
1SG16S015024L	1,5	24	39	36	8	28,3	25	28	65	32
1SG16S015030L	1,5	30	48	45	8	28,3	25	28	65	40
1SG16S015040L	1,5	40	63	60	12	43,3	40	28	65	58
1SG16S020016L	2	16	36	32	5	18,3	15	28	65	25
1SG16S020018L	2	18	40	36	5	18,3	20	28	65	30
1SG16S020020L	2	20	44	40	6	22,8	20	28	65	30
1SG16S020022L	2	22	48	44	8	28,3	25	28	65	36
1SG16S020024L	2	24	52	48	8	28,3	25	28	65	36
1SG16S020030L	2	30	64	60	8	28,3	25	28	65	36
1SG16S020040L	2	40	84	80	12	43,3	40	28	65	62
1SG16S030020L	3	20	66	60	6	22,8	20	28	65	30
1SG16S030022L	3	22	72	66	8	28,3	25	28	65	36
1SG16S030024L	3	24	78	72	8	28,3	25	28	65	36
1SG16S030040L	3	40	126	120	12	43,3	40	28	65	62
1SG16S031020L	3,183	20	70,026	63,66	6	22,8	20	28	65	30
1SG16S031022L	3,183	22	76,392	70,026	8	28,3	25	28	65	36
1SG16S031024L	3,183	24	82,758	76,392	8	28,3	25	28	65	36
1SG16S031030L	3,183	30	101,856	95,49	8	28,3	25	28	65	36
1SG16S040020L	4	20	88	80	10	38,3	35	40	75	55
1SG16S040025L	4	25	108	100	10	38,3	35	40	75	55
1SG16S040030L	4	30	128	120	10	38,3	35	40	75	55
1SG16S040032L	4	32	136	128	10	38,3	35	40	75	55
1SG16S050020L	5	20	110	100	14	48,3	45	50	75	68
1SG16S050024L	5	24	130	120	14	48,3	45	50	75	68
1SG16S050025L	5	25	135	125	14	48,3	45	50	75	68
1SG16S050030L	5	30	160	150	14	48,3	45	50	75	68
1SG16S060020L	6	20	132	120	16	59,3	55	60	120	80
1SG16S060021L	6	21	138	126	16	59,3	55	60	120	80
1SG16S060024L	6	24	156	144	16	59,3	55	60	120	80
1SG16S060025L	6	25	162	150	16	59,3	55	60	120	80
1SG16S060030L	6	30	192	180	16	59,3	55	60	120	80
1SG16S080020L	8	20	176	160	20	79,9	75	80	145	110
1SG16S100020L	10	20	220	200	22	90,4	85	100	165	125

INDICAZIONE DI MONTAGGIO

MOUNTING

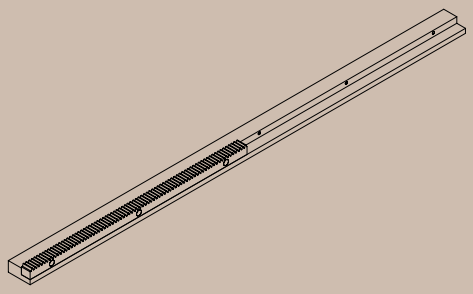
Qui di seguito vengono indicate le due istruzioni di montaggio standard consigliate da Gambini Meccanica. Le cremagliere possono essere montate giuntate fino a raggiungere qualsiasi lunghezza. Durante il montaggio la distanza tra le due cremagliere da giuntare deve garantire il valore del passo della cremagliera stessa.

The two standard mounting instructions suggested by Gambini Meccanica are indicated here following. Racks can be mounted together in order to reach every possible length. During the assembly phase the distance between two racks, that have to be connected, have to guarantee the value of the pitch of the rack itself.

1

- POSIZIONARE LA CREMAGLIERA E FISSARLA ALLA STRUTTURA.
- LA FORZA DI SERRAGGIO DIPENDE DAL COEFFICIENTE D'ATTRITO E DAL GRADO DI QUALITÀ DELLA VITE.

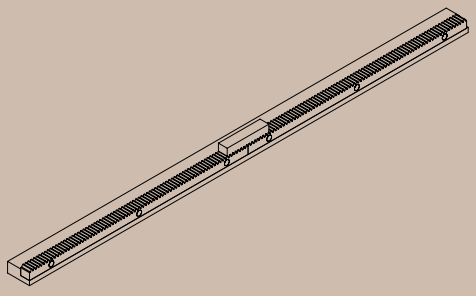
- PLACE THE RACK AND FIX IT TO THE STRUCTURE.
- THE STREGTH OF FIXING DEPENDS ON THE FRICTION COEFFICIENT AND ON THE SCREW'S QUALITY.



2

- POSIZIONARE LA CREMAGLIERA SUCCESSIVA IMPIEGANDO LA DIMA DI MONTAGGIO.
- FISSARE QUINDI LA CREMAGLIERA ALLA STRUTTURA.

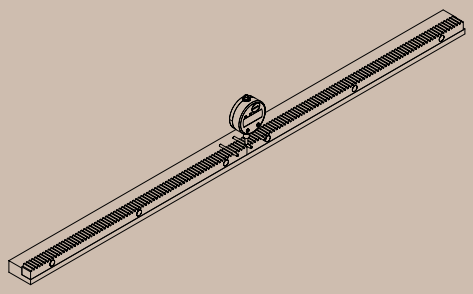
- PLACE THE NEXT RACK BY USING THE MOUNTING RACK.
- NOW FIX THE RACK TO THE STRUCTURE.



3

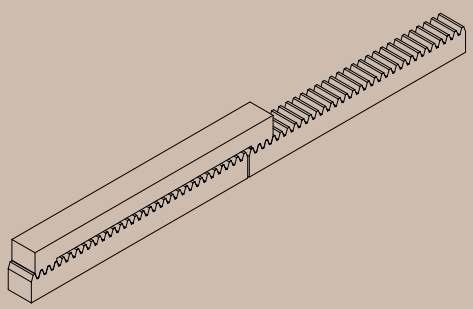
- ESEGUIRE IL CONTROLLO DELLA GIUNZIONE TRA LE DUE CREMAGLIERE PRESTANDO ATTENZIONE AL PASSO.
- VERIFICARE INOLTRE IL PARALLELISMO DELLE CREMAGLIERE.

- CHECK THE CONNECTION BETWEEN THE TWO RACKS; IT'S IMPORTANT TO MAINTAIN ALWAYS THE SAME PITCH.
- CHECK THE PARALLELISM AMONG THE RACKS.



- IN ALTERNATIVA ALLA POSIZIONE 2 GAMBINI MECCANICA PUÒ FORNIRE UNA DIMA DI MONTAGGIO PIÙ LUNGA IN GRADO DI ACCOGLIERE UN MAGGIOR NUMERO DI DENTI E QUINDI DI GARANTIRE UNA MAGGIOR PRECISIONE DI MONTAGGIO.

- AS AN ALTERNATIVE TO POSITION 2 GAMBINI MECCANICA CAN SUPPLY A LONGER MOUNTING RACK, WHICH CAN COVER AS MANY TEETH AS POSSIBLE AND SO IT CAN GUARANTEE AN HIGHER MOUNTING PRECISION.

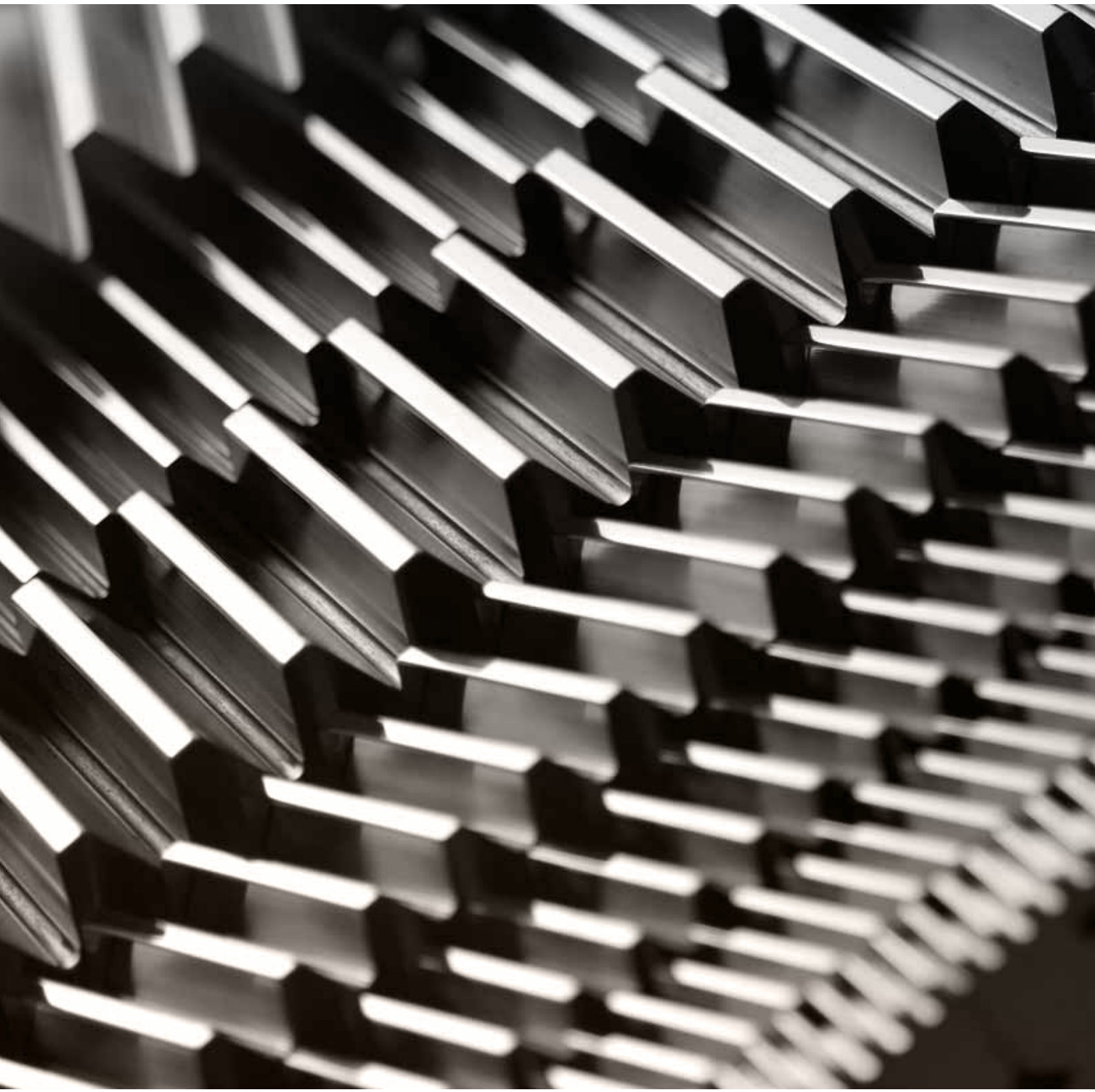


VELOCITÀ

SPEED

La velocità massima di scorrimento raggiungibile dalle cremagliere si attesta a circa 240 m al minuto: questo dato è influenzato dalla tipologia di cremagliera, dalla sua lavorazione e da eventuali trattamenti aggiuntivi.

The working speed of Gambini Meccanica racks can reach a maximum value of 200 m/per minute; this limit is related to the type of rack, to its manufacturing and to the additional treatments.



NOTE

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NOTE

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GAMBINI
meccanica

CERTIFICAZIONE SISTEMA DI GESTIONE ISO 9001 = OHSAS 18001 DNV

rev.04/2014

GAMBINI
meccanica

GAMBINI MECCANICA s.r.l.
Strada dei Cacciatori sn
61122 Pesaro (PU) ITALY
Tel. +39 0721 282667
Fax +39 0721 281935
info@gambinimeccanica.it
www.gambinimeccanica.it

STUDIO SANCISI - STAMPA SAT

GAMBINI
DEUTSCHLAND GmbH

GAMBINI DEUTSCHLAND GmbH
D - 80992 München
Agnes - Pockels - Bogen 1
Tel. +49 (0) 1722826526
www.gambinigmbh.de
info@gambinigmbh.de