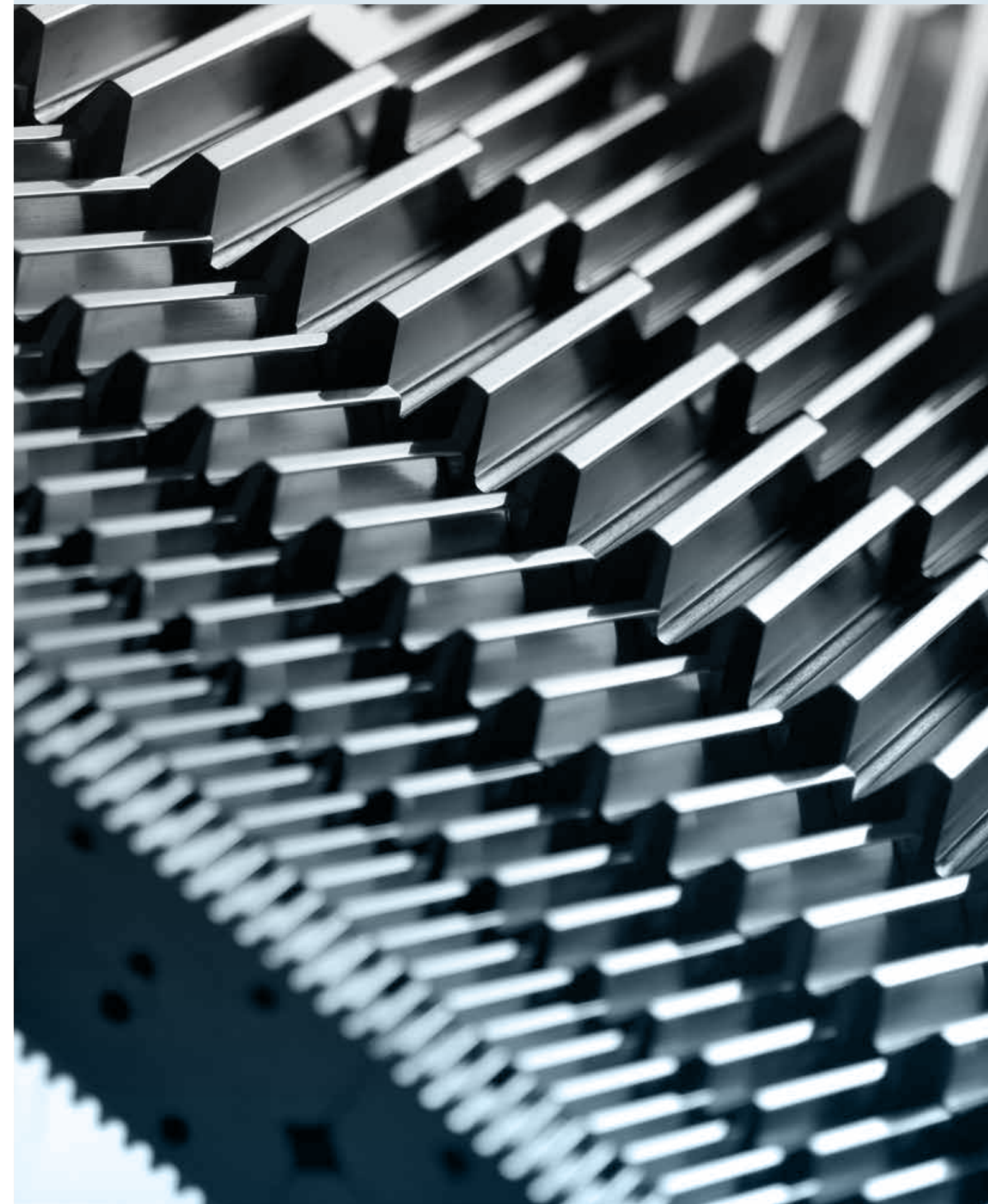




CATALOGO PRODOTTI

PRODUCTS CATALOGUE



CONDIVIDIAMO I VOSTRI OBIETTIVI
WE HIT YOUR TARGET

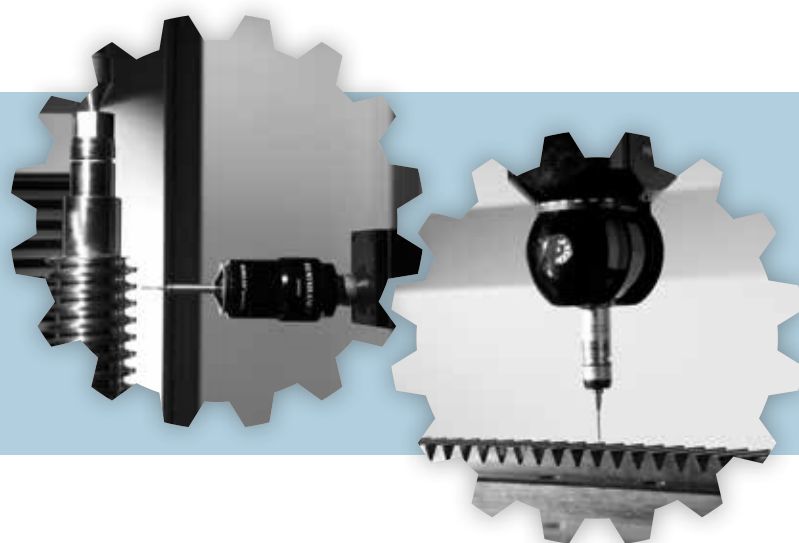


GAMBINI MECCANICA

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.

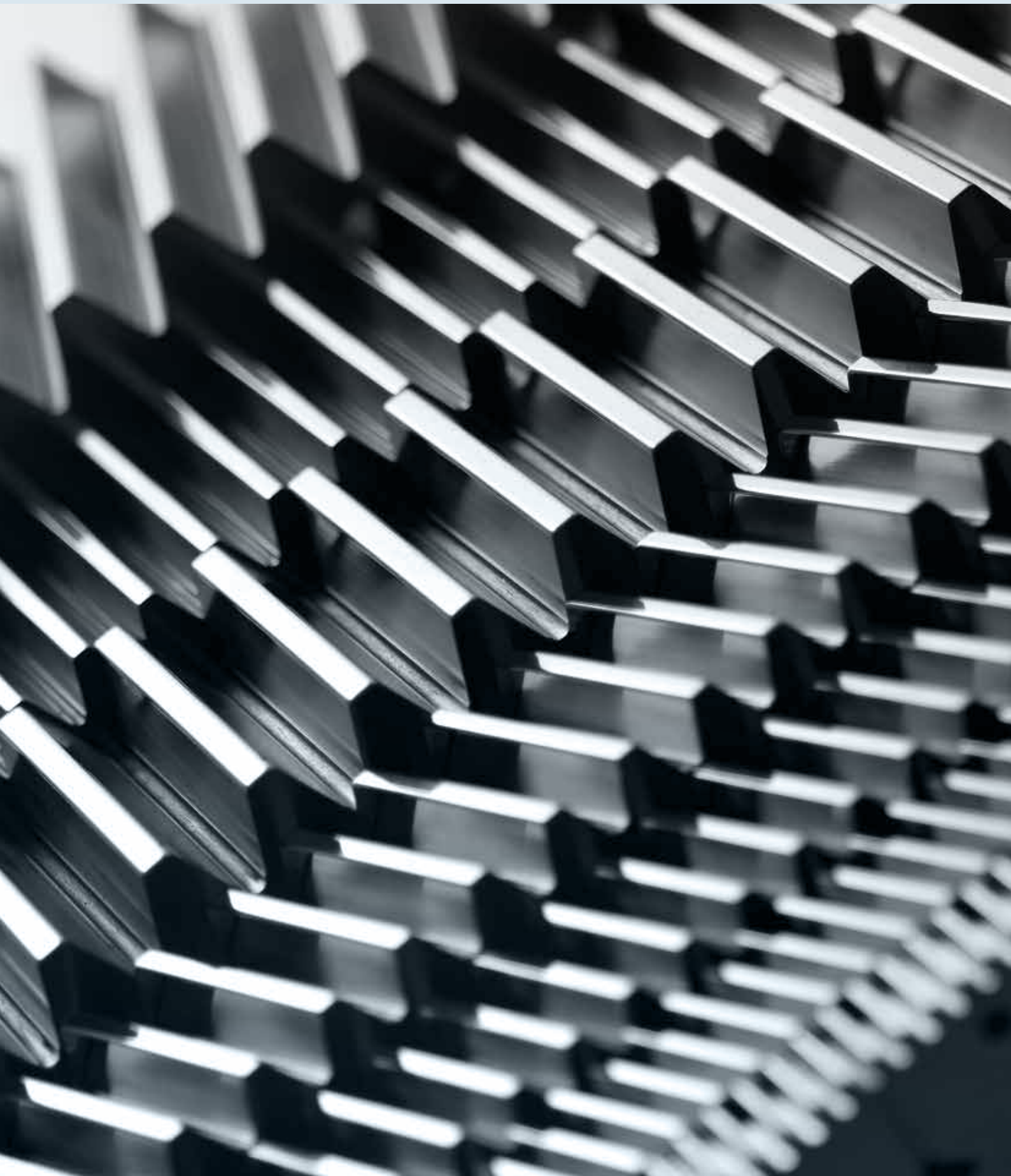
Gambini Meccanica offers to customers a catalogue of standard products, which reach the top quality level thanks to the best materials used and to the experience the company has developed after years of production and collaboration with its customers.

*NEI NOSTRI PRODOTTI OFFRIAMO
PRECISIONE, TECNOLOGIA E RESISTENZA.
WE SHARE THE SAME TARGET
OF OUR CUSTOMERS: TOP QUALITY, HIGH
PERFORMANCE, CONTINUOUS INNOVATION.*



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, OHSAS 18001/2007 e ISO 14001:2004**), 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, OHSAS 18001/2007 and ISO 14001:2004)**, technologically advanced and structured with state-of-the-art and continuously updated production plants. Internally Gambini Meccanica has highly qualified employees in order to offer tailored solutions to the most complex demands of every customer. Today, thanks to the **process flexibility** and to the industrial automation, Gambini Meccanica is able to manufacture a wide range of products with high competitive prices in all over the world, both with standard features and with the most elaborate customizations.



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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 varie tipologie di materie prime. Le cremagliere vengono prodotte dal modulo 0.5 al modulo 42, da qualità 5 a qualità 10. Realizziamo cremagliere in qualità 5 fino ad una lunghezza di 1000 mm e in qualità 6 fino ad una lunghezza di 2000 mm, mentre per qualità inferiori arriviamo fino a 3000 mm.

HELICAL AND STRAIGHT RACKS

Gambini Meccanica manufactures top quality racks both with straight and helical tooth system by employing several typologies of raw materials. We produce racks from module 0.5 until module 42, from quality 5 to quality 10. Quality 5 racks with a maximum one-piece length of 1000 mm, quality 6 racks with a maximum one-piece length of 2000 mm and lower quality racks with a maximum one-piece length of 3000 mm.

INGRANAGGI A DENTI ELICOIDALI E DRITTI

Gambini Meccanica realizza ingranaggi di precisione fino al modulo 30, con profili finiti di utensile o rettificati, a denti dritti o elicoidali, a dentatura destra o sinistra e con qualsiasi inclinazione. Il massimo diametro realizzabile è di 1000 mm. I materiali utilizzati sono: C45, 18NiCrMo5, 20MnCr5, tutti i materiali legati e non legati, nylon vari, leghe di ghisa, leghe di bronzo e bronzo-alluminio, leghe di alluminio, acciai inox, e diverse tipologie di bacheliti.

HELICAL AND STRAIGHT GEARS

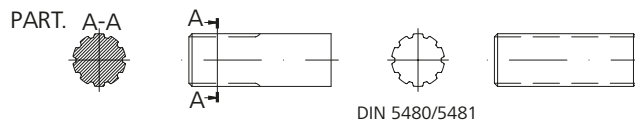
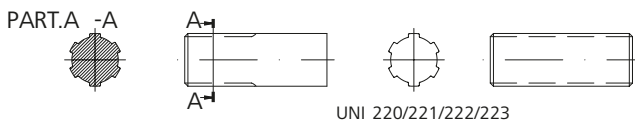
Gambini Meccanica manufactures precision gears up to module 30, with just milled or ground profiles, with straight or helical tooth system, right- or left-hand with any possible inclination. The maximum external diameter we can realize is up to 1000 mm. We use different raw materials: C45, 18NiCrMo5, 20MnCr5, 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. I materiali utilizzati sono: C45, 18NiCrMo5, 20MnCr5, tutti i materiali legati e non legati, nylon vari, leghe di ghisa, leghe di bronzo e bronzo-alluminio, leghe di alluminio, acciai inox, e diverse tipologie di bacheliti.

SPLINE SHAFTS

Gambini Meccanica realizes just milled or ground UNI 220/221/222/223 and DIN 5480/5481 spline shafts. We use several raw materials: C45, 18NiCrMo5, 20MnCr5, all the alloy or not alloy materials, different types of nylon, cast irons, alloys of common bronze and bronze aluminium, aluminium's alloys, stainless steel and different typologies of Bakelite.

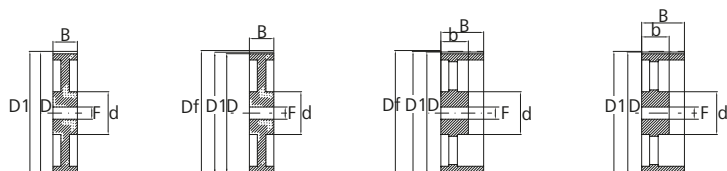


PULEGGE

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: acciai legati, ghise, alluminio, acciaio inox, nylon. Vengono realizzati inoltre a richiesta barrotti speciali anche a disegno.

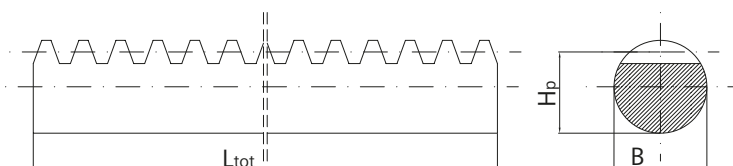
PULLEYS

Gambini Meccanica realizes pulleys with the following profiles: L, XL, MXL, HTD3M, HTD5M, HTD8M, HTD14M, T10, T20, T5, AT5, AT10, AT20, AT5 zero backlash, AT10 zero backlash. The materials employed are usually the following ones: 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 di sezione tonda, dallo stato superficiale rettificato o trafilato, a denti diritti o elicoidali, a dentatura destra o sinistra e con qualsiasi inclinazione. Le classi di qualità ed i moduli realizzabili sono quelli standard. Possono avere lunghezze fino a 3000 mm. I materiali solitamente utilizzati sono: C45, acciaio inox.

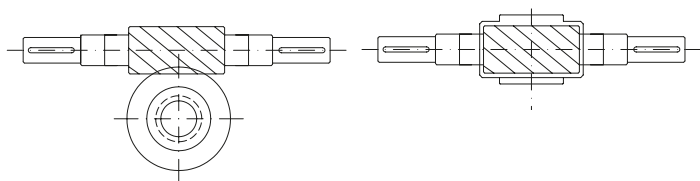


ROUND RACKS

Gambini Meccanica realizes round racks, with ground or cold drawn raw materials, 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: C45 and stainless steel.

ACCOPIAMENTO VITE-CORONA

Gambini Meccanica realizza accoppiamenti vite/corona fino a massimo modulo 30, finite di utensile o rettificate, con diverse tipologie di materiali: acciai legati, acciai legati e bonificati, acciai cementati e temprati, acciaio inox.



WORMS & WHEELS

Gambini Meccanica realizes worms & wheels up to a maximum module 30, 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

Gambini Meccanica dispone di un reparto per i TRATTAMENTI TERMICI dove si realizza la TEMPRA AD INDUZIONE a media/bassa e alta frequenza ed il RINVENIMENTO, mentre per tutti gli altri trattamenti si avvale di importanti collaborazioni esterne con aziende certificate leader nel proprio settore.

HEAT- AND SURFACE-TREATMENTS

Gambini Meccanica can offer different heat- and surface treatments. We have an internal division for medium-low and high frequency induction hardening and quenching too. While with regard to all the other treatments we can rely on certified and sector leader partners.

LUNGHEZZE

Gambini Meccanica realizza cremagliere di precisione fino a lunghezze di 3000 mm. Per lunghezze superiori Gambini Meccanica fornisce cremagliere giuntabili tra loro garantendo qualità e precisione. Per facilitarne la giunzione e garantirne la continuità Gambini Meccanica fornisce delle dime di montaggio estremamente precise. Per quanto riguarda le specifiche di montaggio delle cremagliere i tecnici della Gambini Meccanica sono a disposizione per ogni ulteriore informazione.

LENGTHS

Gambini Meccanica realizes quality racks with a maximum one-piece length of 3000 mm. The racks are produced for continuous mounting to achieve unlimited lengths; Gambini Meccanica supplies also high precision mounting templates. Our engineers are at customer disposal in order to explain all the details related to rack joint system.

CARATTERISTICHE TECNICHE

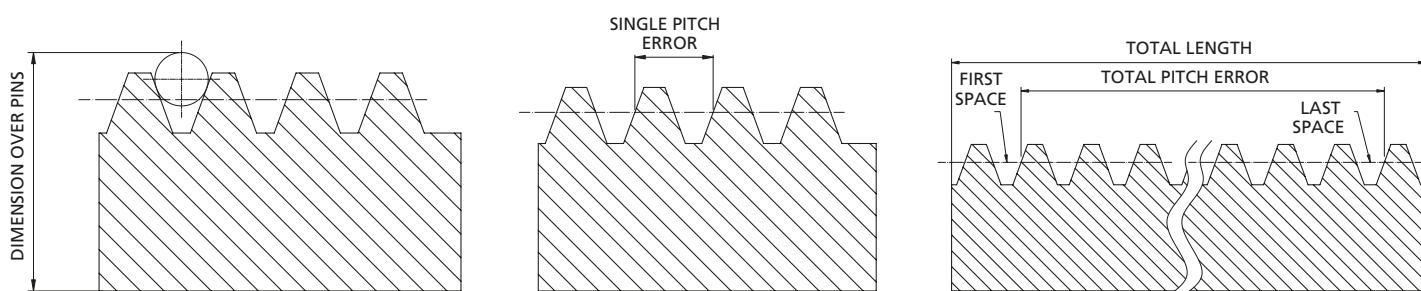
TECHNICAL SPECIFICATIONS

CLASSI DI PRECISIONE

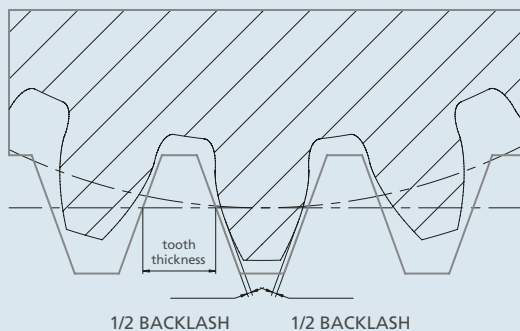
Gambini Meccanica realizza cremagliere dalla qualità 5 alla qualità 10 per lunghezze che arrivano fino a 3000 mm. Nella tabella a fianco sono riportati gli errori ammissibili dello spessore del dente, del passo singolo e del passo totale della cremagliera riferiti a qualità, lunghezza e modulo. I tecnici della Gambini Meccanica sono a disposizione per ogni delucidazione sulle caratteristiche di precisione delle cremagliere.

QUALITY CLASSES

Gambini Meccanica realizes racks from quality 5 to quality 10 with a maximum one-piece length of 3000 mm. In the table on the right we indicate the allowable single and total pitch errors following quality, length and module. Our engineers are at customer disposal to explain all the details concerning quality classes.

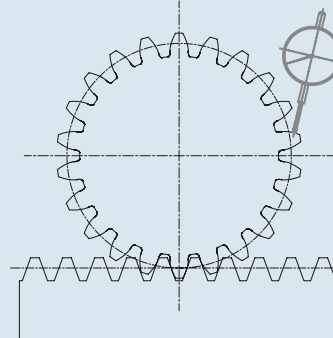


CORRISPONDENZA TRA VARIAZIONE DELLO SPESSORE DEL DENTE ED IL BACKLASH CORRESPONDENCE BETWEEN TOOTH THICKNESS AND BACKLASH



| TOLLERANZA SULLO SPESSORE DEL DENTE TOOTH THICKNESS TOLERANCE (mm) | BACKLASH (mm) |
|---|---------------|
| 0.022 | 0,021 |
| 0.025 | 0,024 |
| 0.030 | 0,027 |
| 0.033 | 0,031 |
| 0.036 | 0,034 |
| 0.040 | 0,038 |
| 0.044 | 0,041 |
| 0.050 | 0,048 |
| 0.058 | 0,055 |
| 0.066 | 0,062 |
| 0.073 | 0,068 |
| 0.090 | 0,086 |
| 0.109 | 0,103 |

BACKLASH RACCOMANDATO PER UN PERFETTO ALLINEAMENTO RECOMMENDED BACKLASH TO REACH A PERFECT ALIGNMENT



| BLACKLASH RACCOMANDATO RECOMMENDED BACKLASH (mm) |
|---|
| MIN |
| Q5 0,02 m |
| Q6 0,02 m |
| Q7 0,04 m |
| Q8 0,04 m |
| Q9 0,05 m |
| Q10 0,05 m |
| MAX |
| 0.1 m |
| (m= modulo) |

Valore consigliato di Backlash per avere un buon allineamento tra gli ingranaggi e permettere un velo di lubrificante. Il tutto non tiene conto delle condizioni di utilizzo quali carichi, frequenza d'uso, velocità, ecc.

Recommended backlash to reach a good alignment between the gears and to permit a light lubrication. These recommendations don't consider loads, frequency of use, speed, etc.

M1

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M1 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|--------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,040 | ± 0,008 | ± 0,028 |
| | Q7 | -0,042 | ± 0,011 | ± 0,040 |
| | Q8 | -0,095 | ± 0,016 | ± 0,056 |
| | Q9 | -0,109 | ± 0,022 | ± 0,080 |
| | Q10 | -0,109 | ± 0,036 | ± 0,125 |
| | | | | |
| | | | | |

| M1 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,050 | ± 0,008 | ± 0,032 |
| | Q7 | -0,050 | ± 0,012 | ± 0,045 |
| | Q8 | -0,095 | ± 0,016 | ± 0,063 |
| | Q9 | -0,109 | ± 0,022 | ± 0,090 |
| | Q10 | -0,109 | ± 0,036 | ± 0,140 |
| | | | | |
| | | | | |

| M1 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,050 | ± 0,008 | ± 0,032 |
| | Q7 | -0,050 | ± 0,012 | ± 0,045 |
| | Q8 | -0,095 | ± 0,016 | ± 0,063 |
| | Q9 | -0,160 | ± 0,022 | ± 0,090 |
| | Q10 | -0,160 | ± 0,036 | ± 0,140 |
| | | | | |
| | | | | |

| M1 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,050 | ± 0,009 | ± 0,036 |
| | Q7 | -0,050 | ± 0,014 | ± 0,050 |
| | Q8 | -0,095 | ± 0,018 | ± 0,071 |
| | Q9 | -0,160 | ± 0,025 | ± 0,100 |
| | Q10 | -0,160 | ± 0,040 | ± 0,160 |
| | | | | |
| | | | | |

M1,5

QUALITÀ
QUALITY
CLASSES

**TOLLERANZE
DI QUALITÀ**
QUALITY TOLERANCES

**ERRORE
DEL PASSO**
PITCH ERROR

M1,5
L500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,040 | ± 0,008 | ± 0,028 |
| Q7 | -0,042 | ± 0,011 | ± 0,040 |
| Q8 | -0,095 | ± 0,016 | ± 0,056 |
| Q9 | -0,109 | ± 0,022 | ± 0,080 |
| Q10 | -0,109 | ± 0,036 | ± 0,125 |
| | | | |
| | | | |

M1,5
L1000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,050 | ± 0,008 | ± 0,032 |
| Q7 | -0,050 | ± 0,012 | ± 0,045 |
| Q8 | -0,095 | ± 0,016 | ± 0,063 |
| Q9 | -0,109 | ± 0,022 | ± 0,090 |
| Q10 | -0,109 | ± 0,036 | ± 0,140 |
| | | | |
| | | | |

M1,5
L1500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,050 | ± 0,008 | ± 0,032 |
| Q7 | -0,050 | ± 0,012 | ± 0,045 |
| Q8 | -0,095 | ± 0,016 | ± 0,063 |
| Q9 | -0,160 | ± 0,022 | ± 0,090 |
| Q10 | -0,160 | ± 0,036 | ± 0,140 |
| | | | |
| | | | |

M1,5
L2000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,050 | ± 0,009 | ± 0,036 |
| Q7 | -0,050 | ± 0,014 | ± 0,050 |
| Q8 | -0,095 | ± 0,018 | ± 0,071 |
| Q9 | -0,160 | ± 0,025 | ± 0,100 |
| Q10 | -0,160 | ± 0,040 | ± 0,160 |
| | | | |
| | | | |

M2

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M2 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|--------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | -0,022 | ± 0,005 | ± 0,020 |
| | Q6 | -0,036 | ± 0,008 | ± 0,035 |
| | Q7 | -0,036 | ± 0,011 | ± 0,040 |
| | Q8 | -0,095 | ± 0,016 | ± 0,056 |
| | Q9 | -0,109 | ± 0,022 | ± 0,080 |
| | Q10 | -0,109 | ± 0,056 | ± 0,180 |

| M2 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | -0,022 | ± 0,005 | ± 0,025 |
| | Q6 | -0,036 | ± 0,008 | ± 0,035 |
| | Q7 | -0,047 | ± 0,011 | ± 0,045 |
| | Q8 | -0,095 | ± 0,016 | ± 0,063 |
| | Q9 | -0,109 | ± 0,022 | ± 0,090 |
| | Q10 | -0,109 | ± 0,056 | ± 0,200 |

| M2 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,008 | ± 0,035 |
| | Q7 | -0,047 | ± 0,011 | ± 0,045 |
| | Q8 | -0,095 | ± 0,016 | ± 0,063 |
| | Q9 | -0,160 | ± 0,022 | ± 0,090 |
| | Q10 | -0,160 | ± 0,056 | ± 0,200 |

| M2 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,008 | ± 0,035 |
| | Q7 | -0,047 | ± 0,011 | ± 0,050 |
| | Q8 | -0,095 | ± 0,016 | ± 0,065 |
| | Q9 | -0,160 | ± 0,025 | ± 0,100 |
| | Q10 | -0,160 | ± 0,063 | ± 0,220 |

M2,5

QUALITÀ
QUALITY
CLASSES

**TOLLERANZE
DI QUALITÀ**
QUALITY TOLERANCES

**ERRORE
DEL PASSO**
PITCH ERROR

M2,5
L500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,022 | ± 0,005 | ± 0,020 |
| Q6 | -0,036 | ± 0,008 | ± 0,035 |
| Q7 | -0,036 | ± 0,011 | ± 0,040 |
| Q8 | -0,095 | ± 0,016 | ± 0,056 |
| Q9 | -0,109 | ± 0,022 | ± 0,090 |
| Q10 | -0,109 | ± 0,036 | ± 0,140 |

M2,5
L1000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,022 | ± 0,005 | ± 0,025 |
| Q6 | -0,036 | ± 0,008 | ± 0,035 |
| Q7 | -0,047 | ± 0,011 | ± 0,045 |
| Q8 | -0,095 | ± 0,016 | ± 0,063 |
| Q9 | -0,109 | ± 0,022 | ± 0,100 |
| Q10 | -0,109 | ± 0,036 | ± 0,160 |

M2,5
L1500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,008 | ± 0,035 |
| Q7 | -0,047 | ± 0,011 | ± 0,045 |
| Q8 | -0,095 | ± 0,016 | ± 0,063 |
| Q9 | -0,160 | ± 0,022 | ± 0,100 |
| Q10 | -0,160 | ± 0,036 | ± 0,160 |

M2,5
L2000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,008 | ± 0,035 |
| Q7 | -0,047 | ± 0,011 | ± 0,050 |
| Q8 | -0,095 | ± 0,016 | ± 0,065 |
| Q9 | -0,160 | ± 0,025 | ± 0,110 |
| Q10 | -0,160 | ± 0,040 | ± 0,180 |

M3

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M3 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|--------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | | -0,022 | ± 0,006 |
| Q6 | | -0,036 | ± 0,009 | ± 0,035 |
| Q7 | | -0,036 | ± 0,011 | ± 0,042 |
| Q8 | | -0,095 | ± 0,016 | ± 0,063 |
| Q9 | | -0,109 | ± 0,022 | ± 0,090 |
| Q10 | | -0,109 | ± 0,036 | ± 0,140 |
| | | | | |
| | | | | |

| M3 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | | -0,022 | ± 0,006 |
| Q6 | | -0,036 | ± 0,009 | ± 0,035 |
| Q7 | | -0,047 | ± 0,011 | ± 0,045 |
| Q8 | | -0,095 | ± 0,016 | ± 0,071 |
| Q9 | | -0,109 | ± 0,022 | ± 0,100 |
| Q10 | | -0,109 | ± 0,036 | ± 0,160 |
| | | | | |
| | | | | |

| M3 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | | -0,036 | ± 0,009 |
| Q7 | | -0,047 | ± 0,011 | ± 0,050 |
| Q8 | | -0,095 | ± 0,016 | ± 0,071 |
| Q9 | | -0,160 | ± 0,022 | ± 0,100 |
| Q10 | | -0,160 | ± 0,036 | ± 0,160 |
| | | | | |
| | | | | |

| M3 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | | -0,036 | ± 0,009 |
| Q7 | | -0,047 | ± 0,011 | ± 0,056 |
| Q8 | | -0,095 | ± 0,016 | ± 0,080 |
| Q9 | | -0,160 | ± 0,025 | ± 0,110 |
| Q10 | | -0,160 | ± 0,040 | ± 0,180 |
| | | | | |
| | | | | |

M4

QUALITÀ
QUALITY
CLASSES

**TOLLERANZE
DI QUALITÀ**
QUALITY TOLERANCES

**ERRORE
DEL PASSO**
PITCH ERROR

M4
L500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,029 | ± 0,007 | ± 0,025 |
| Q6 | -0,029 | ± 0,009 | ± 0,035 |
| Q7 | -0,040 | ± 0,012 | ± 0,045 |
| Q8 | -0,095 | ± 0,018 | ± 0,071 |
| Q9 | -0,109 | ± 0,025 | ± 0,090 |
| Q10 | -0,109 | ± 0,040 | ± 0,140 |

M4
L1000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,029 | ± 0,007 | ± 0,025 |
| Q6 | -0,029 | ± 0,009 | ± 0,035 |
| Q7 | -0,047 | ± 0,012 | ± 0,045 |
| Q8 | -0,095 | ± 0,018 | ± 0,071 |
| Q9 | -0,109 | ± 0,028 | ± 0,110 |
| Q10 | -0,109 | ± 0,045 | ± 0,180 |

M4
L1500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,029 | ± 0,009 | ± 0,040 |
| Q7 | -0,047 | ± 0,012 | ± 0,056 |
| Q8 | -0,095 | ± 0,018 | ± 0,080 |
| Q9 | -0,160 | ± 0,028 | ± 0,110 |
| Q10 | -0,160 | ± 0,045 | ± 0,180 |

M4
L2000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,029 | ± 0,009 | ± 0,045 |
| Q7 | -0,047 | ± 0,012 | ± 0,063 |
| Q8 | -0,095 | ± 0,018 | ± 0,090 |
| Q9 | -0,160 | ± 0,028 | ± 0,125 |
| Q10 | -0,160 | ± 0,045 | ± 0,200 |

M5

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M5 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|--------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | -0,033 | ± 0,007 | ± 0,025 |
| | Q6 | -0,036 | ± 0,010 | ± 0,035 |
| | Q7 | -0,040 | ± 0,012 | ± 0,045 |
| | Q8 | -0,095 | ± 0,018 | ± 0,071 |
| | Q9 | -0,109 | ± 0,025 | ± 0,090 |
| | Q10 | -0,109 | ± 0,040 | ± 0,140 |
| | | | | |

| M5 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q5 | -0,033 | ± 0,007 | ± 0,028 |
| | Q6 | -0,036 | ± 0,010 | ± 0,040 |
| | Q7 | -0,047 | ± 0,012 | ± 0,056 |
| | Q8 | -0,095 | ± 0,018 | ± 0,080 |
| | Q9 | -0,109 | ± 0,028 | ± 0,110 |
| | Q10 | -0,109 | ± 0,045 | ± 0,180 |
| | | | | |

| M5 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,010 | ± 0,040 |
| | Q7 | -0,047 | ± 0,012 | ± 0,056 |
| | Q8 | -0,095 | ± 0,018 | ± 0,080 |
| | Q9 | -0,160 | ± 0,028 | ± 0,110 |
| | Q10 | -0,160 | ± 0,045 | ± 0,180 |
| | | | | |
| | | | | |

| M5 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,010 | ± 0,045 |
| | Q7 | -0,047 | ± 0,012 | ± 0,063 |
| | Q8 | -0,095 | ± 0,018 | ± 0,090 |
| | Q9 | -0,160 | ± 0,028 | ± 0,125 |
| | Q10 | -0,160 | ± 0,045 | ± 0,200 |
| | | | | |
| | | | | |

M6

QUALITÀ
QUALITY
CLASSES

**TOLLERANZE
DI QUALITÀ**
QUALITY TOLERANCES

**ERRORE
DEL PASSO**
PITCH ERROR

M6
L500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,033 | ± 0,007 | ± 0,025 |
| Q6 | -0,036 | ± 0,010 | ± 0,035 |
| Q7 | -0,040 | ± 0,012 | ± 0,045 |
| Q8 | -0,095 | ± 0,018 | ± 0,071 |
| Q9 | -0,109 | ± 0,025 | ± 0,090 |
| Q10 | -0,109 | ± 0,040 | ± 0,140 |

M6
L1000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q5 | -0,033 | ± 0,007 | ± 0,028 |
| Q6 | -0,036 | ± 0,010 | ± 0,040 |
| Q7 | -0,047 | ± 0,012 | ± 0,056 |
| Q8 | -0,095 | ± 0,018 | ± 0,080 |
| Q9 | -0,109 | ± 0,028 | ± 0,110 |
| Q10 | -0,109 | ± 0,045 | ± 0,180 |

M6
L1500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,010 | ± 0,040 |
| Q7 | -0,047 | ± 0,012 | ± 0,056 |
| Q8 | -0,095 | ± 0,018 | ± 0,080 |
| Q9 | -0,160 | ± 0,028 | ± 0,110 |
| Q10 | -0,160 | ± 0,045 | ± 0,180 |

M6
L2000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,010 | ± 0,045 |
| Q7 | -0,047 | ± 0,012 | ± 0,063 |
| Q8 | -0,095 | ± 0,018 | ± 0,090 |
| Q9 | -0,160 | ± 0,028 | ± 0,125 |
| Q10 | -0,160 | ± 0,045 | ± 0,200 |

M8

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M8 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|--------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,011 | ± 0,040 |
| | Q7 | -0,040 | ± 0,014 | ± 0,056 |
| | Q8 | -0,095 | ± 0,020 | ± 0,071 |
| | Q9 | -0,109 | ± 0,028 | ± 0,100 |
| | Q10 | -0,109 | ± 0,045 | ± 0,160 |
| | | | | |
| | | | | |

| M8 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,011 | ± 0,040 |
| | Q7 | -0,047 | ± 0,016 | ± 0,063 |
| | Q8 | -0,095 | ± 0,022 | ± 0,080 |
| | Q9 | -0,109 | ± 0,032 | ± 0,110 |
| | Q10 | -0,109 | ± 0,050 | ± 0,180 |
| | | | | |
| | | | | |

| M8 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,011 | ± 0,040 |
| | Q7 | -0,047 | ± 0,016 | ± 0,063 |
| | Q8 | -0,095 | ± 0,022 | ± 0,080 |
| | Q9 | -0,160 | ± 0,032 | ± 0,110 |
| | Q10 | -0,160 | ± 0,050 | ± 0,180 |
| | | | | |
| | | | | |

| M8 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,011 | ± 0,045 |
| | Q7 | -0,047 | ± 0,016 | ± 0,071 |
| | Q8 | -0,095 | ± 0,025 | ± 0,091 |
| | Q9 | -0,160 | ± 0,032 | ± 0,125 |
| | Q10 | -0,160 | ± 0,056 | ± 0,200 |
| | | | | |
| | | | | |

M10

QUALITÀ
QUALITY
CLASSES

**TOLLERANZE
DI QUALITÀ**
QUALITY TOLERANCES

**ERRORE
DEL PASSO**
PITCH ERROR

M10
L500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,011 | ± 0,040 |
| Q7 | -0,040 | ± 0,014 | ± 0,056 |
| Q8 | -0,095 | ± 0,020 | ± 0,071 |
| Q9 | -0,109 | ± 0,028 | ± 0,100 |
| Q10 | -0,109 | ± 0,045 | ± 0,160 |
| | | | |
| | | | |

M10
L1000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,011 | ± 0,040 |
| Q7 | -0,047 | ± 0,016 | ± 0,063 |
| Q8 | -0,095 | ± 0,022 | ± 0,080 |
| Q9 | -0,109 | ± 0,032 | ± 0,110 |
| Q10 | -0,109 | ± 0,050 | ± 0,180 |
| | | | |
| | | | |

M10
L1500

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,011 | ± 0,040 |
| Q7 | -0,047 | ± 0,016 | ± 0,063 |
| Q8 | -0,095 | ± 0,022 | ± 0,080 |
| Q9 | -0,160 | ± 0,032 | ± 0,110 |
| Q10 | -0,160 | ± 0,050 | ± 0,180 |
| | | | |
| | | | |

M10
L2000

| QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|---|---|---------------------------------------|
| Q6 | -0,036 | ± 0,011 | ± 0,045 |
| Q7 | -0,047 | ± 0,016 | ± 0,071 |
| Q8 | -0,095 | ± 0,025 | ± 0,091 |
| Q9 | -0,160 | ± 0,032 | ± 0,125 |
| Q10 | -0,160 | ± 0,056 | ± 0,200 |
| | | | |
| | | | |

M12

| | QUALITÀ QUALITY CLASSES | TOLLERANZE DI QUALITÀ QUALITY TOLERANCES | ERRORE DEL PASSO PITCH ERROR |
|--|--------------------------------------|--|--|
|--|--------------------------------------|--|--|

| M12 L500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|---------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,014 | ± 0,045 |
| | Q7 | -0,040 | ± 0,018 | ± 0,056 |
| | Q8 | -0,095 | ± 0,025 | ± 0,080 |
| | Q9 | -0,109 | ± 0,036 | ± 0,110 |
| | Q10 | -0,109 | ± 0,056 | ± 0,180 |
| | | | | |
| | | | | |

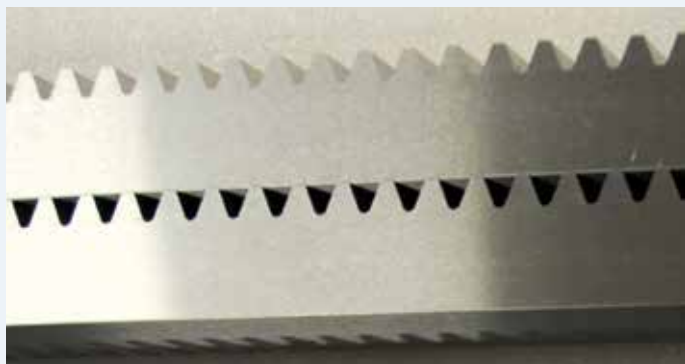
| M12 L1000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,014 | ± 0,045 |
| | Q7 | -0,047 | ± 0,020 | ± 0,063 |
| | Q8 | -0,095 | ± 0,028 | ± 0,090 |
| | Q9 | -0,109 | ± 0,036 | ± 0,125 |
| | Q10 | -0,109 | ± 0,056 | ± 0,200 |
| | | | | |
| | | | | |

| M12 L1500 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,014 | ± 0,045 |
| | Q7 | -0,047 | ± 0,020 | ± 0,063 |
| | Q8 | -0,095 | ± 0,028 | ± 0,090 |
| | Q9 | -0,160 | ± 0,036 | ± 0,125 |
| | Q10 | -0,160 | ± 0,056 | ± 0,200 |
| | | | | |
| | | | | |

| M12 L2000 | QUALITÀ QUALITY CLASSES | SPESSORE DEL DENTE (mm) TOOTH THICKNESS (mm) | PASSO SINGOLO (mm) SINGLE PITCH (mm) | PASSO TOTALE (mm) TOTAL PITCH (mm) |
|----------------------------|----------------------------|---|---|---------------------------------------|
| | Q6 | -0,036 | ± 0,014 | ± 0,050 |
| | Q7 | -0,047 | ± 0,020 | ± 0,071 |
| | Q8 | -0,095 | ± 0,028 | ± 0,100 |
| | Q9 | -0,160 | ± 0,040 | ± 0,140 |
| | Q10 | -0,160 | ± 0,063 | ± 0,220 |
| | | | | |
| | | | | |

FINITURA DELLE SUPERFICI

SURFACE FINISHING



Q5 - Q6 - Q7

SERIE / SERIES :

20 MAGNUM - 25 - 30 - 35 - 40

45 - 50 - 55 - 60 - 100 MAGNUM

105 - 110 - 115 - 120 - 125 - 130



Q8

SERIE / SERIES :

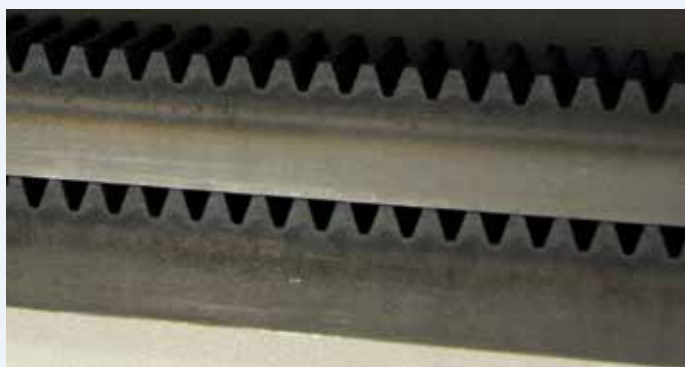
65 - 70 - 75 - 135 - 140 - 145



Q9

SERIE / SERIES :

80 - 85 - 150 - 155



Q10

SERIE / SERIES :

90 - 95 - 160 - 165

FORMULA PER LA VALUTAZIONE DI ERRORE

FORMULA ERROR

VALUTAZIONE DELL'ERRORE DI PASSO TOTALE
CON CREMAGLIERE GIUNTATE ASSIEME

HOW TO EVALUATE
THE TOTAL PITCH ERROR

$$E = (N_{rack} \times F_p) + (N_{junctions} \times D_p \text{ mounting template})$$

F_p = errore passo totale
F_p = total pitch error

D_p = errore passo dima
D_p = mounting template's
total pitch error

ESEMPIO / Example: L= 6mt - m=3 - Q6

SOLUZIONE 1 / Solution 1:

N_{rack} = 3 - L_{rack} = 2000 mm - Q6 - D_p = 0,015 mm - F_p = 0,04 mm

$$E = (3 \times 0,040) + (2 \times 0,015) = 0,15 \text{ mm} = \mathbf{150 \mu m}$$

SOLUZIONE 2 / Solution 2:

N_{rack} = 6 - L_{rack} = 1000 mm - Q6 - D_p = 0,015 mm - F_p = 0,035 mm

$$E = (6 \times 0,035) + (5 \times 0,015) = 0,285 \text{ mm} = \mathbf{285 \mu m}$$

Si deduce che la PRECISIONE MIGLIORE,
a parità di qualità, si ottiene utilizzando serie
con cremagliere LUNGHE piuttosto che corte.

From the formula error here above one can detect that, equal quality, the best
precision is obtained by employing long racks in place of short ones. Our engineers
are at customer disposal to suggest and identify the most suitable solutions.

INDICAZIONE DI MONTAGGIO

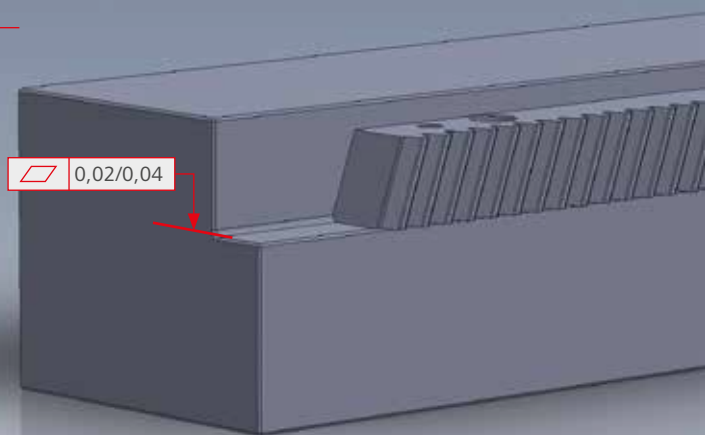
MOUNTING INSTRUCTIONS

Qui di seguito vengono indicate le 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 standard mounting instructions suggested by Gambini Meccanica are indicated here below. Racks can be mounted end to end in order to reach every possible length.

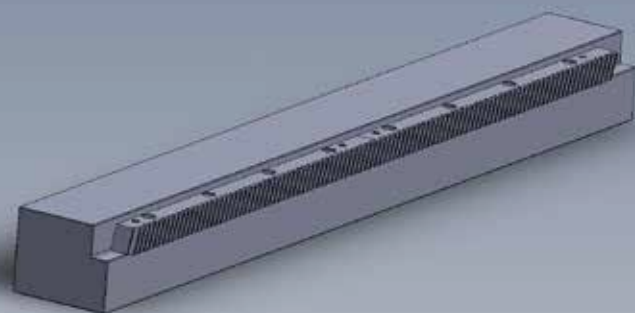
- LE SUPERFICI DEVONO AVERE UN PARALLELISMO ED UNA PERPENDICOLARITÀ COMPRESA TRA 0.02-0.04MM
- UNO SMUSSO NELLO SPIGOLO DELLA CREMAGLIERA ASSICURA LA MASSIMA ADERENZA ALLE SUPERFICI DI CONTATTO DELLA STRUTTURA.
- THE CONTACT SURFACES SHOULD HAVE PARALLELISM AND PERPENDICULARITY BETWEEN 0.02 AND 0.04MM
- IN ORDER TO ASSURE A PERFECT FIXING OF THE RACK ON THE STRUCTURE WE REALIZE A CHAMFER ON THE RACK'S EDGE.

1



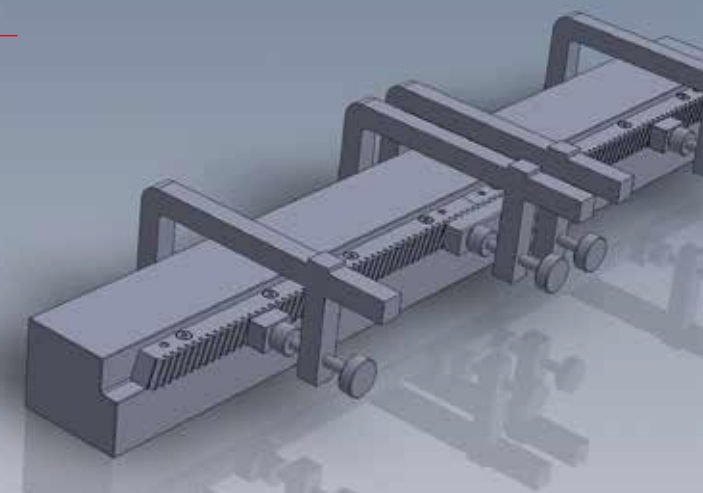
- PULIRE ACCURATAMENTE LE SUPERFICI DI APPOGGIO DELLE CREMAGLIERE.
- SI CONSIGLIA DI LASCIARE LE CREMAGLIERE SULLA SUPERFICIE DI FISSAGGIO PER ALMENO 4 ORE, COSÌ DA UNIFORMARE LE TEMPERATURE.
- POSIZIONARE LA PRIMA CREMAGLIERA AL CENTRO DELLA LUNGHEZZA DELL'ASSE E FISSARE LA PRIMA VITE CON UN MORSETTO PER MANTENERLA IN POSIZIONE. SUCCESSIVAMENTE INSERIRE LE ALTRE VITI. POSIZIONARE LA CREMAGLIERA ADIACENTE E SERRARE LE DUE CON LA DIMA DI MONTAGGIO AL FINE DI ASSICURARE LA CONTINUITÀ. PER L'AGGIUNTA DI CREMAGLIERE ULTERIORI RIPETERE L'OPERAZIONE APPENA DESCRITTA.

2



- CLEAN CAREFULLY RACKS' CONTACT SURFACES.
- TO STABILIZE THE TEMPERATURE WE ADVISE TO LEAVE RACKS ON THE FIXING SURFACE FOR 4 HOURS AT LEAST.
- POSITION THE FIRST RACK IN THE CENTER OF THE AXE'S LENGTH AND IN ORDER TO KEEP THE RIGHT POSITIONING FIX THE FIRST SOCKET HEAD CAP SCREW WITH A SCREW CLAMP. THEN INSERT THE OTHER SOCKET HEAD CAP SCREWS AND TIGHTEN THEM ACCORDING TO THE TABLE. FIT THE FOLLOWING RACK AND REPEAT THE OPERATION JUST DESCRIBED. CLAMP THEM WITH THE MOUNTING TEMPLATE TO ASSURE THE END-TO-END ASSEMBLING. TO ADD OTHER RACKS PLEASE FOLLOW THE STEPS JUST DESCRIBED.

3



| MODULO MODULE | VITE SCREW | CLASSI DI RESISTENZA RESISTANCE CLASSES | |
|------------------|---------------|--|------|
| | | 10,9 | 12,9 |
| 1 - 1,5 - 2 | M6 | 14 | 16,4 |
| 2,5 - 3 - 4 | M8 | 34 | 40 |
| 5 | M12 | 116 | 136 |
| 6 | M16 | 291 | 341 |
| 8 | M20 | 570 | 667 |
| 10 | M30 | 1969 | 2305 |
| 12 | M36 | 3435 | 4020 |

COPPIA DI SERRAGGIO [Nm]

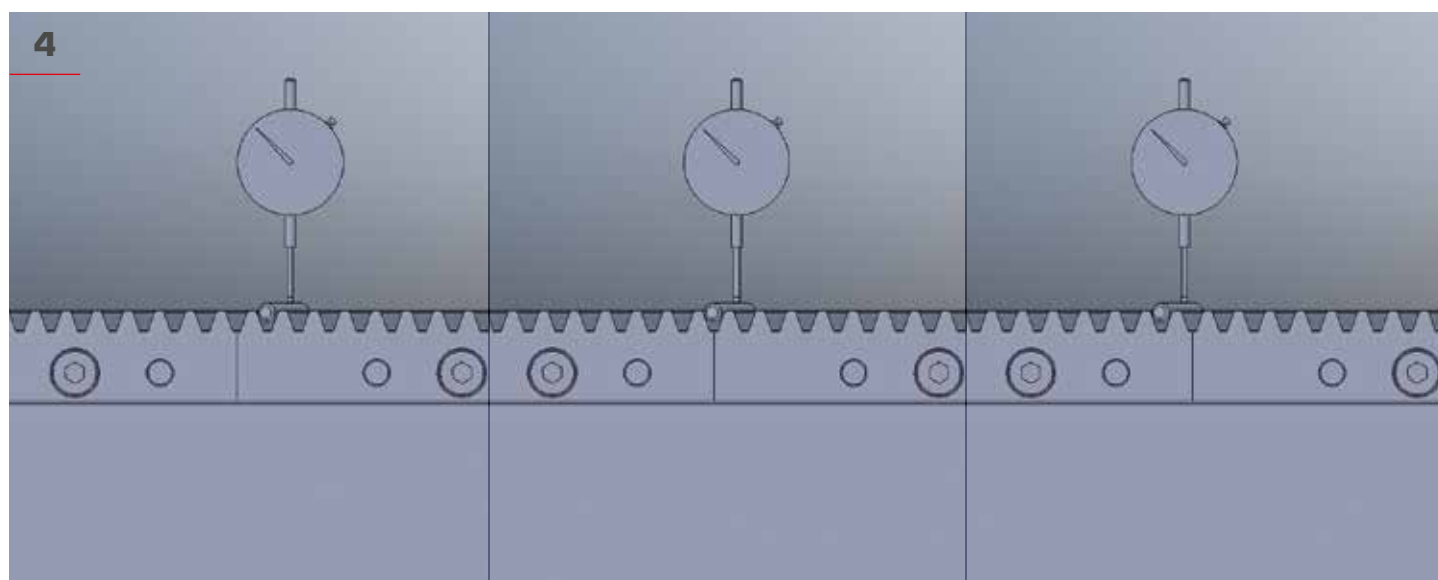
TIGHTENING TORQUE [Nm]

COEFFICIENTE DI ATTRITO / FRICTION COEFFICIENT - 0,15

viteria brunita/zincata lubrificazione sommaria (oliatura di fabbrica)
burnished/ zinc coated screws - common lubrication

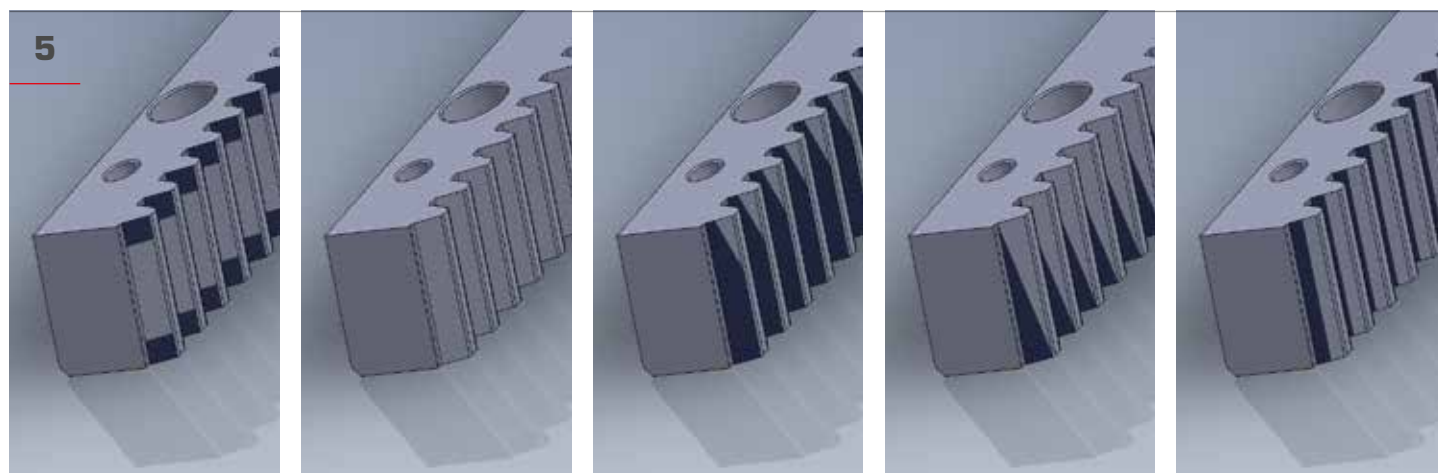
- VERIFICARE IN PIU' PUNTI CON UN RULLINO CALIBRATO ED UN COMPARATORE IL BUON ALLINEAMENTO.
- FISSARE IL TUTTO CON LE SPINE.

- CHECK THE ALIGNMENT IN DIFFERENT POINTS WITH A GAUGING ROLLER AND A COMPARATOR.
- FIX THE ASSEMBLY WITH THE PINS.



- MONTATO ANCHE L'INGRANAGGIO VERIFICARE CON UN COLORANTE RILEVATORE IL CORRETTO PARALLELISMO TRA PIGNONE E CREMAGLIERA.

- AFTER THE MOUNTING OF THE GEAR CHECK THE PARALLELISM BETWEEN PINION AND RACK WITH A MARKING COMPOUND.



CORRETTO / CORRECT

CORRETTO / CORRECT

ERRATO / WRONG

ERRATO / WRONG

ERRATO / WRONG

CREMAGLIERE A DENTI ELICOIDALI

Indice

| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | MODULI DISPONIBILI MODULES | PAG PAGE |
|----------------------|--------------------|-----------------------|---|-------|-----------------------|------------------|-------------------------------|-------------|
| 20H MAGNUM | 5 | 16MnCr5 | cementazione e tempra completa case hardening | 59-61 | rettificata ground | SI YES | 2_3_4_5_6 | 26 |
| 20 MAGNUM | 5 | 16MnCr5 | cementazione e tempra completa case hardening | 59-61 | rettificata ground | NO | 2_3_4_5_6 | 26 |
| 25H | 5 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | SI YES | 2_3_4_5_6 | 27 |
| 25 | 5 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | NO | 2_3_4_5_6 | 27 |
| 30H | 5 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | SI YES | 2_3_4_5_6 | 28 |
| 30 | 5 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | NO | 2_3_4_5_6 | 28 |
| 35H | 5 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | SI YES | 2_3_4_5_6 | 29 |
| 35 | 5 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | NO | 2_3_4_5_6 | 29 |
| 40H | 6 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | SI YES | 1_1,5_2_2,5_3_4_5_6 | 30 |
| 40 | 6 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | NO | 1_1,5_2_2,5_3_4_5_6 | 30 |
| 45H | 6 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | SI YES | 1_1,5_2_2,5_3_4_5_6_8_10_12 | 31 |
| 45 | 6 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | NO | 1_1,5_2_2,5_3_4_5_6_8_10_12 | 31 |
| 50H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | SI YES | 1_1,5_2_2,5_3_4_5_6 | 32 |
| 50 | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | NO | 1_1,5_2_2,5_3_4_5_6 | 32 |
| 55H | 7 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | SI YES | 2_3_4_5_6 | 33 |
| 55 | 7 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | NO | 2_3_4_5_6 | 33 |

HELICAL RACKS

Index



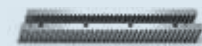
| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---|-------|-------------------------|------------------|-------------------------------|-------------|
| 60H | 7 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | SI YES | 2_3_4_5_6 | 34 |
| 60 | 7 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | NO | 2_3_4_5_6 | 34 |
| 65H | 8 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | fresata just milled | SI YES | 2_3_4_5_6 | 35 |
| 65 | 8 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | fresata just milled | NO | 2_3_4_5_6 | 35 |
| 70H | 8 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | fresata just milled | SI YES | 2_3_4_5_6 | 36 |
| 70 | 8 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | fresata just milled | NO | 2_3_4_5_6 | 36 |
| 75H | 8 | 42CrMo4 | non incluso not included | - | fresata just milled | SI YES | 2_3_4_5 | 37 |
| 75 | 8 | 42CrMo4 | non incluso not included | - | fresata just milled | NO | 2_3_4_5 | 37 |
| 80H | 9 | C45E | non incluso not included | - | trafilata cold drawn | SI YES | 1_1,5_2_2,5_3_4_5_6_8_10_12 | 38 |
| 80 | 9 | C45E | non incluso not included | - | trafilata cold drawn | NO | 1_1,5_2_2,5_3_4_5_6_8_10_12 | 38 |
| 85H | 9 | SAE1141 | non incluso not included | - | trafilata cold drawn | SI YES | 1_1,5_2_2,5_3_3.183_4_5_6 | 39 |
| 85 | 9 | SAE1141 | non incluso not included | - | trafilata cold drawn | NO | 1_1,5_2_2,5_3_3.183_4_5_6 | 39 |
| 90H | 10 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | trafilata cold drawn | SI YES | 1_1,5_2_3_4_5_6_8_10_12 | 40 |
| 90 | 10 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | trafilata cold drawn | NO | 1_1,5_2_3_4_5_6_8_10_12 | 40 |
| 95H | 10 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | trafilata cold drawn | SI YES | 1_1,5_2_3_4_5_6 | 41 |
| 95 | 10 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | trafilata cold drawn | NO | 1_1,5_2_3_4_5_6 | 41 |

Dentatura Elicoidale SERIE 20H

Helical tooth system SERIES 20H

Q5 - 16MnCr5

MAGNUM



Cremagliere Racks

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

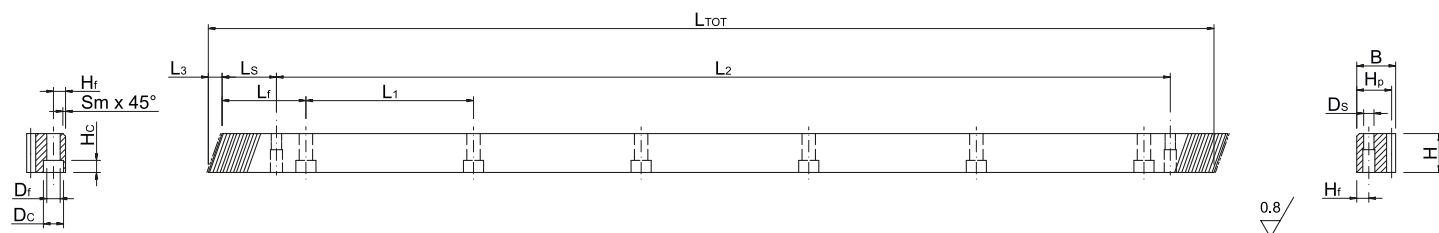
Denti elicoidali: 19° 31' 42" Dx

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

Superficie: rettificata / Surface: ground

Tratt. termici: cementazione e tempra completa 59-61 HRC

Heat-treatment: case hardening 59-61 HRC



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1HRC5R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HRC5R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HRC5R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HRC5R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HRC5R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HRC5R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HRC5R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HRC5R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HRC5R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HRC5R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
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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 25H

Q5 - 16MnCr5

Helical tooth system SERIES 25H



Cremaigliere Racks

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

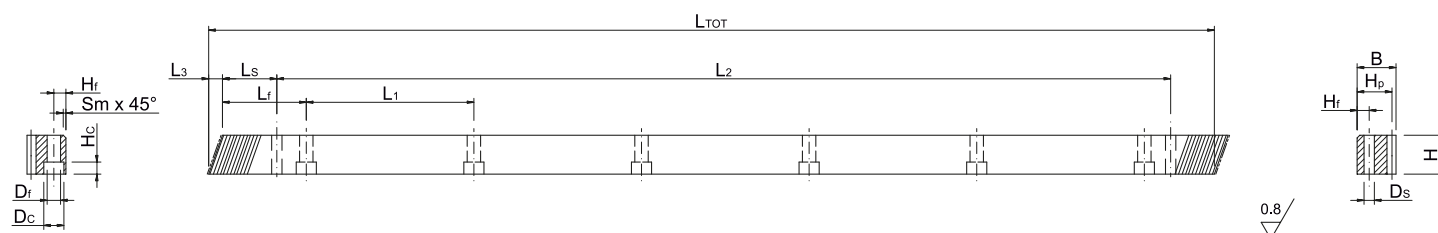
Denti elicoidali: 19° 31' 42" Dx

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

Superficie: rettificata / Surface: ground

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

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



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1HR35R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR35R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR35R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR35R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR35R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR35R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR35R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR35R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR35R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR35R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |

SERIE 25 versione senza fori (stessi codici ma senza H finale) / SERIES 25 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 30H

Helical tooth system SERIES 30H

Q5 - C45E



Cremagliere Racks

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

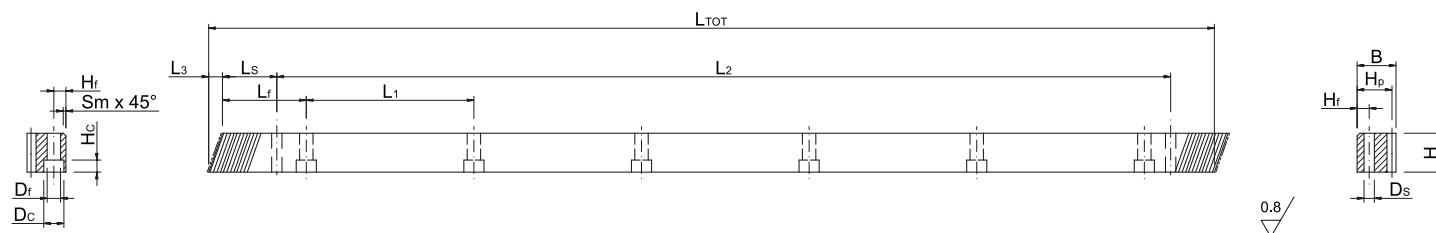
Trattamento termico: denti temprati ad induzione 55-58 HRC

Denti elicoidali: 19° 31' 42" Dx

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

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

Superficie: rettificata / Surface: ground



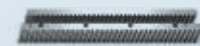
| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1HR15R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR15R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR15R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR15R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR15R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR15R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR15R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR15R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR15R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR15R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |

SERIE 30 versione senza fori (stessi codici ma senza H finale) / SERIES 30 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 35H

Helical tooth system SERIES 35H

Q5 - SAE1141



Cremagliere Racks

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

Denti elicoidali: **19° 31' 42'' Dx**

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

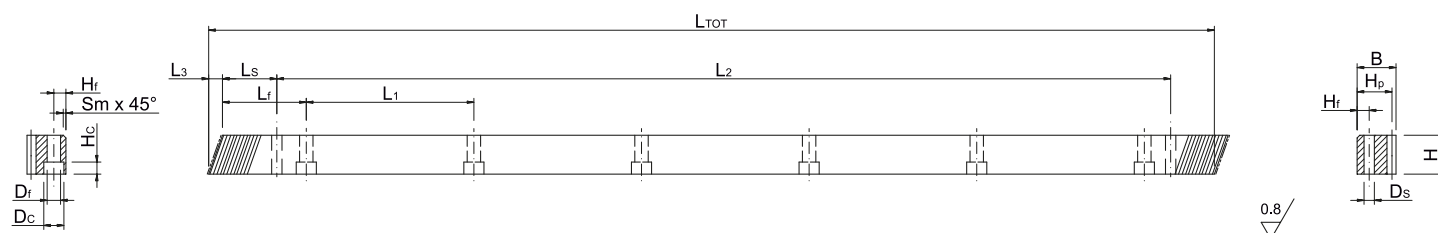
Superficie: rettificata / Surface: ground

Trattamento termico: denti temprati ad induzione **56-60 HRC**

Heat-treatment: induction-hardened teeth **56-60 HRC**

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1HR25R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR25R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR25R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR25R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR25R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR25R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR25R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR25R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR25R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR25R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
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SERIE 35 versione senza fori (stessi codici ma senza H finale) / SERIES 35 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 40H

Helical tooth system SERIES 40H

Q6 - 16MNCr5



Crema gliere Racks

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

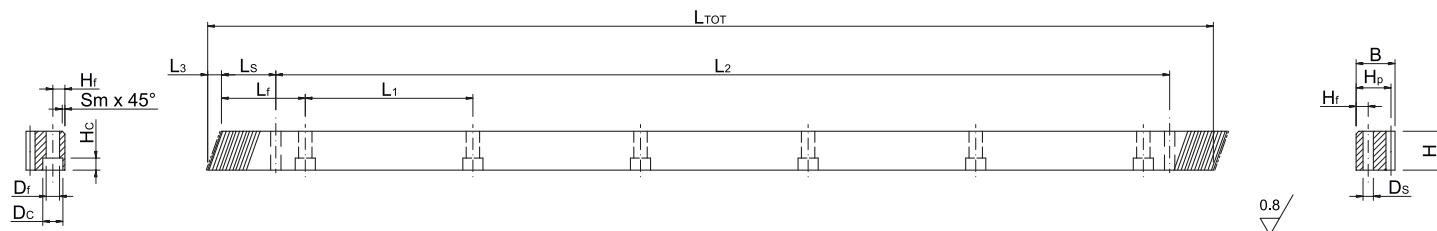
Denti elicoidali: 19° 31' 42" Dx

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

Superficie: rettificata / Surface: ground

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

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



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|------|-----|-------|---------------|---------|
| 1HR36R010050H | 1 | 500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 150 | 439,4 | 4 | 1,44 |
| 1HR36R010100H | 1 | 1000 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 300 | 939,4 | 8 | 2,89 |
| 1HR36R015050H | 1,5 | 500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 100 | 439,4 | 4 | 1,40 |
| 1HR36R015100H | 1,5 | 1000 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 200 | 939,4 | 8 | 2,81 |
| 1HR36R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR36R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR36R025050H | 2,5 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 60 | 430,0 | 4 | 2,88 |
| 1HR36R025100H | 2,5 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 120 | 930,0 | 8 | 5,78 |
| 1HR36R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR36R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR36R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR36R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR36R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR36R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR36R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR36R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
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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 45H

Q6 - C45E

Helical tooth system SERIES 45H



Cremaigliere Racks

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

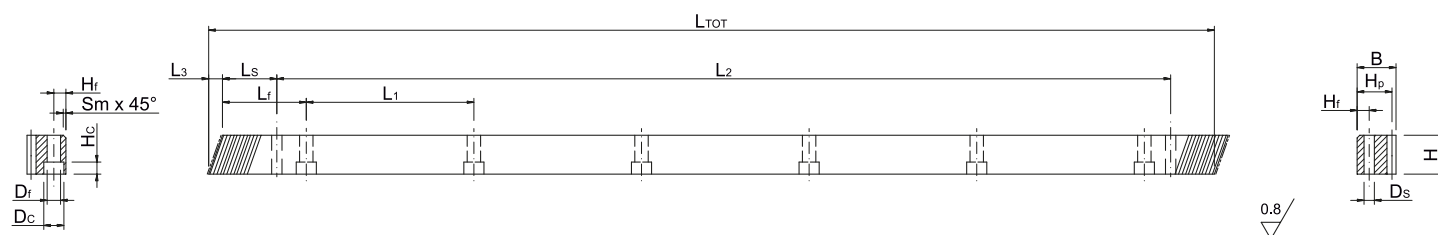
Trattamento termico: denti temprati ad induzione 55-58 HRC

Denti elicoidali: 19° 31' 42" Dx

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

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

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|-------|------|-----|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1HR16R010050H | 1 | 500 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 150 | 440,1 | 4 | 1,29 |
| 1HR16R010100H | 1 | 1000 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 300 | 940,1 | 8 | 2,59 |
| 1HR16R010150H | 1 | 1500 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 450 | 1440,1 | 12 | 3,90 |
| 1HR16R015050H | 1,5 | 500 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 100 | 440,1 | 4 | 1,26 |
| 1HR16R015100H | 1,5 | 1000 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 200 | 940,1 | 8 | 2,52 |
| 1HR16R015150H | 1,5 | 1500 | 6,74 | 62,5 | 125 | 29,94 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 300 | 1440,1 | 12 | 3,78 |
| 1HR16R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR16R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR16R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR16R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR16R025050H | 2,5 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 60 | 430,0 | 4 | 2,88 |
| 1HR16R025100H | 2,5 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 120 | 930,0 | 8 | 5,78 |
| 1HR16R025150H | 2,5 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 180 | 1430,0 | 12 | 8,68 |
| 1HR16R025200H | 2,5 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 240 | 1930,0 | 16 | 11,58 |
| 1HR16R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR16R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR16R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR16R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR16R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR16R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR16R040151H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR16R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR16R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR16R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR16R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR16R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR16R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR16R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR16R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR16R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |
| 1HR16R080048H | 8 | 480 | 28,02 | 60,0 | 120 | 120,01 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 18 | 240,0 | 4 | 19,36 |
| 1HR16R080096H | 8 | 960 | 28,02 | 60,0 | 120 | 120,01 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 36 | 720,0 | 8 | 39,09 |
| 1HR16R080192H | 8 | 1920 | 28,02 | 60,0 | 120 | 120,01 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 72 | 1680,0 | 16 | 78,57 |
| 1HR16R100100H | 10 | 1000 | 35,11 | 62,5 | 125 | 125,00 | 99 | 99 | 32 | 19,7 | 3 | 33 | 48 | 32 | 89 | 30 | 750,0 | 8 | 60,99 |
| 1HR16R120100H | 12 | 1000 | 42,56 | 40,0 | 125 | 102,50 | 120 | 120 | 40 | 19,7 | 3 | 39 | 58 | 38 | 108 | 25 | 750,0 | 8 | 88,03 |

SERIE 45 versione senza fori (stessi codici ma senza H finale) / SERIES 45 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 50H

Helical tooth system SERIES 50H

Q6 - SAE1141



Cremaigliere Racks

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

Denti elicoidali: 19° 31' 42" Dx

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

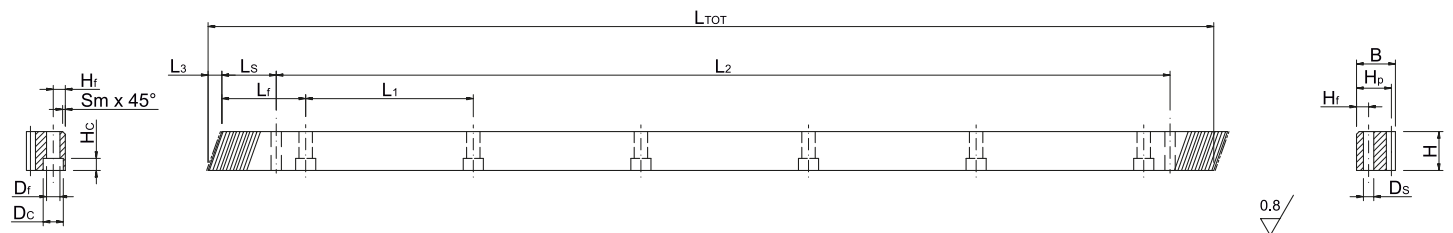
Superficie: rettificata / Surface: ground

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|-------|------|-----|-------|----|----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1HR26R010050H | 1 | 500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 150 | 439,4 | 4 | 1,44 |
| 1HR26R010100H | 1 | 1000 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 300 | 939,4 | 8 | 2,89 |
| 1HR26R010150H | 1 | 1500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 450 | 1439,4 | 12 | 4,34 |
| 1HR26R015050H | 1,5 | 500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 100 | 439,4 | 4 | 1,40 |
| 1HR26R015100H | 1,5 | 1000 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 200 | 939,4 | 8 | 2,81 |
| 1HR26R015150H | 1,5 | 1500 | 7,09 | 62,5 | 125 | 30,29 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 300 | 1439,4 | 12 | 4,22 |
| 1HR26R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR26R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR26R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR26R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR26R025050H | 2,5 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 60 | 430,0 | 4 | 2,88 |
| 1HR26R025100H | 2,5 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 120 | 930,0 | 8 | 5,78 |
| 1HR26R025150H | 2,5 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 180 | 1430,0 | 12 | 8,68 |
| 1HR26R025200H | 2,5 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 240 | 1930,0 | 16 | 11,58 |
| 1HR26R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR26R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR26R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR26R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR26R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR26R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR26R040151H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR26R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR26R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR26R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR26R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR26R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR26R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR26R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR26R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR26R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |
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SERIE 50 versione senza fori (stessi codici ma senza H finale) / SERIES 50 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 55H

Q7 - C45E

Helical tooth system SERIES 55H



Cremafliere Racks

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

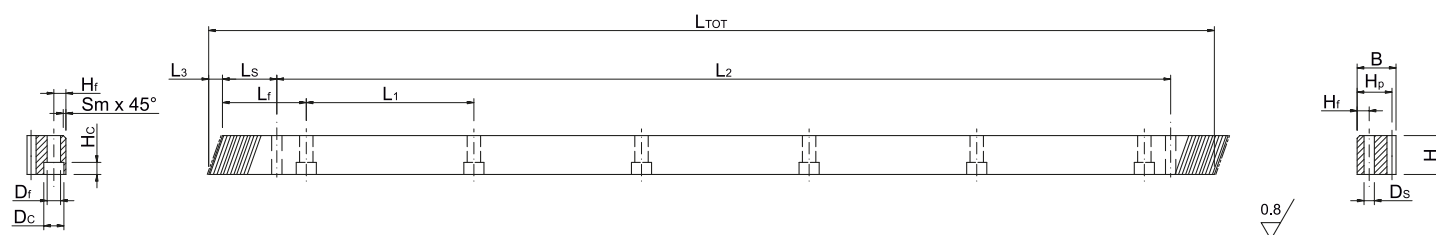
Trattamento termico: denti temprati ad induzione 55-58 HRC

Denti elicoidali: 19° 31' 42" Dx

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

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

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1HR17R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR17R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR17R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR17R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR17R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR17R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR17R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR17R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR17R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR17R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR17R040150H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR17R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR17R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR17R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR17R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR17R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR17R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR17R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR17R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR17R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |
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SERIE 55 versione senza fori (stessi codici ma senza H finale) / SERIES 55 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 60H

Helical tooth system SERIES 60H

Q7 - SAE1141



Crema liere Racks

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

Denti elicoidali: 19° 31' 42" Dx

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

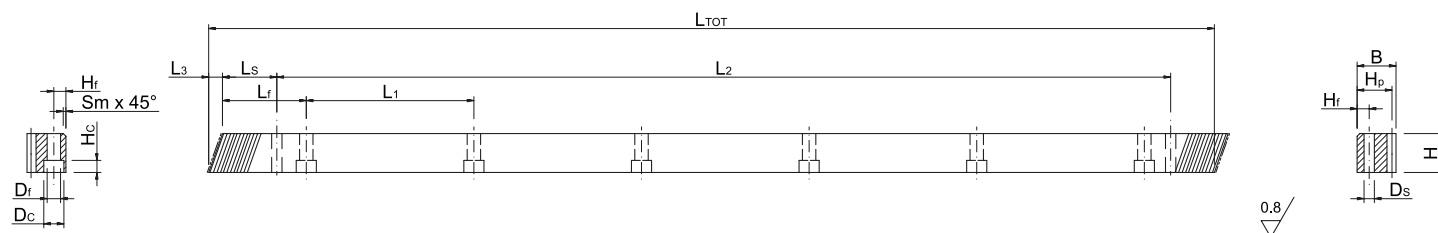
Superficie: rettificata / Surface: ground

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1HR27R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR27R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR27R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR27R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR27R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR27R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR27R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR27R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR27R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR27R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR27R040150H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR27R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR27R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR27R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR27R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR27R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR27R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR27R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR27R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR27R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |
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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 Elicoidale SERIE 65H

Q8 - C45E

Helical tooth system SERIES 65H



Cremagliere Racks

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

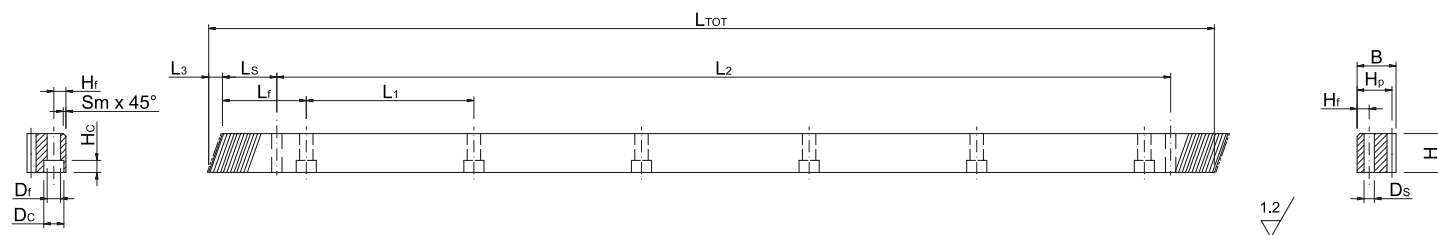
Trattamento termico: denti temprati ad induzione 55-58 HRC

Denti elicoidali: 19° 31' 42" Dx

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

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

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



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1HR18R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR18R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR18R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR18R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR18R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR18R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR18R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR18R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR18R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR18R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR18R040150H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR18R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR18R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR18R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR18R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR18R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 49 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR18R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR18R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR18R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR18R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |

SERIE 65 versione senza fori (stessi codici ma senza H finale) / SERIES 65 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 70H

Helical tooth system SERIES 70H

Q8 - SAE1141



Cremagliere Racks

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

Denti elicoidali: 19° 31' 42" Dx

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

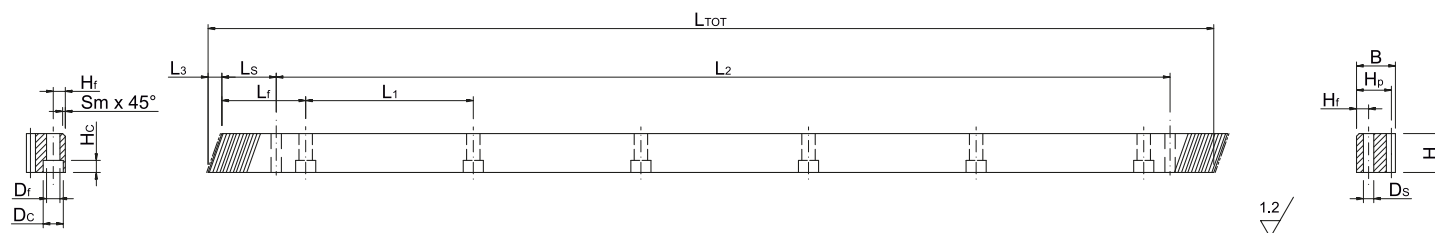
Superficie: fresata / Surface: just milled (not ground)

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1HR28R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR28R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR28R020150H | 2 | 1500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,05 |
| 1HR28R020200H | 2 | 2000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,07 |
| 1HR28R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR28R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR28R030150H | 3 | 1500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,50 |
| 1HR28R030200H | 3 | 2000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,34 |
| 1HR28R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR28R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR28R040150H | 4 | 1506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 15,63 |
| 1HR28R040200H | 4 | 2000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 20,76 |
| 1HR28R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR28R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
| 1HR28R050150H | 5 | 1500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,45 |
| 1HR28R050200H | 5 | 2000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 24,62 |
| 1HR28R060050H | 6 | 500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,08 |
| 1HR28R060100H | 6 | 1000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,33 |
| 1HR28R060150H | 6 | 1500 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 27,59 |
| 1HR28R060200H | 6 | 2000 | 20,92 | 62,5 | 125 | 37,50 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 36,84 |

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 Elicoidale SERIE 75H

Helical tooth system SERIES 75H

Q8 - 42CrMo4


Cremagliere Racks

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

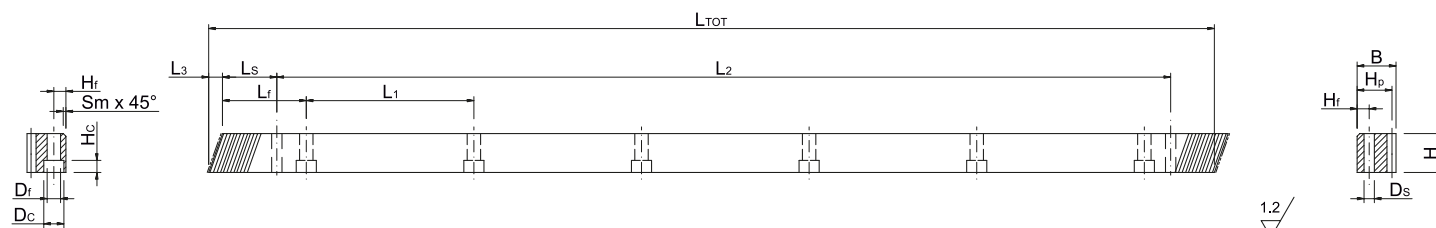
Denti elicoidali: 19° 31' 42" Dx

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

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

Trattamento termico: non incluso

Heat-treatment: not included



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|-------|-------|------|-----|-------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1HR08R020050H | 2 | 500 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,01 |
| 1HR08R020100H | 2 | 1000 | 8,51 | 62,5 | 125 | 31,71 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,03 |
| 1HR08R030050H | 3 | 500 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,82 |
| 1HR08R030100H | 3 | 1000 | 10,29 | 62,5 | 125 | 34,99 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,66 |
| 1HR08R040051H | 4 | 506,7 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,24 |
| 1HR08R040100H | 4 | 1000 | 13,83 | 62,5 | 125 | 33,30 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,37 |
| 1HR08R050050H | 5 | 500 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,09 |
| 1HR08R050100H | 5 | 1000 | 17,38 | 62,5 | 125 | 37,50 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,27 |
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SERIE 75 versione senza fori (stessi codici ma senza H finale) / SERIES 75 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 80H

Q9 - C45E

Helical tooth system SERIES 80H



Cremafliere Racks

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

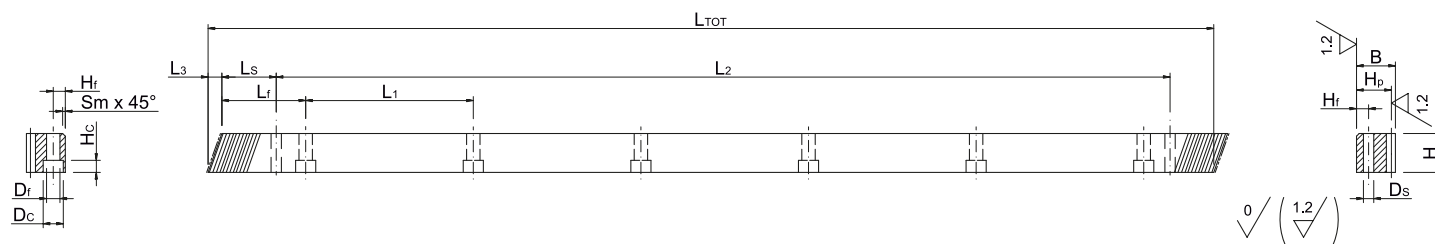
Trattamento termico: non incluso

Denti elicoidali: 19° 31' 42" Dx

Heat-treatment: not included

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

Superficie: trafilata / Surface: cold drawn



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|-------|------|-----|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1HR19R010050H | 1 | 500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 150 | 440,1 | 4 | 1,36 |
| 1HR19R010100H | 1 | 1000 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 300 | 940,1 | 8 | 2,73 |
| 1HR19R010150H | 1 | 1500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 450 | 1440,1 | 12 | 4,10 |
| 1HR19R015050H | 1,5 | 500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 100 | 440,1 | 4 | 1,32 |
| 1HR19R015100H | 1,5 | 1000 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 200 | 940,1 | 8 | 2,65 |
| 1HR19R015150H | 1,5 | 1500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 300 | 1440,1 | 12 | 3,98 |
| 1HR19R020050H | 2 | 500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,09 |
| 1HR19R020100H | 2 | 1000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,20 |
| 1HR19R020150H | 2 | 1500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,30 |
| 1HR19R020200H | 2 | 2000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,41 |
| 1HR19R025050H | 2,5 | 500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 60 | 430,0 | 4 | 2,98 |
| 1HR19R025100H | 2,5 | 1000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 120 | 930,0 | 8 | 5,98 |
| 1HR19R025150H | 2,5 | 1500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 180 | 1430,0 | 12 | 8,98 |
| 1HR19R025200H | 2,5 | 2000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 240 | 1930,0 | 16 | 11,98 |
| 1HR19R030050H | 3 | 500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,92 |
| 1HR19R030100H | 3 | 1000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,86 |
| 1HR19R030150H | 3 | 1500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,79 |
| 1HR19R030200H | 3 | 2000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,73 |
| 1HR19R040051H | 4 | 506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,37 |
| 1HR19R040100H | 4 | 1000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,63 |
| 1HR19R040151H | 4 | 1506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 16,04 |
| 1HR19R040200H | 4 | 2000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 21,29 |
| 1HR19R050050H | 5 | 500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,22 |
| 1HR19R050100H | 5 | 1000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,52 |
| 1HR19R050150H | 5 | 1500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,83 |
| 1HR19R050200H | 5 | 2000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 25,13 |
| 1HR19R060050H | 6 | 500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,23 |
| 1HR19R060100H | 6 | 1000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,65 |
| 1HR19R060150H | 6 | 1500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 28,06 |
| 1HR19R060200H | 6 | 2000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 37,48 |
| 1HR19R080048H | 8 | 480 | 28,37 | 60,0 | 120 | 120,01 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 18 | 240,0 | 4 | 19,61 |
| 1HR19R080096H | 8 | 960 | 28,37 | 60,0 | 120 | 120,01 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 36 | 720,0 | 8 | 39,60 |
| 1HR19R080144H | 8 | 1440 | 28,37 | 60,0 | 120 | 120,10 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 54 | 960,0 | 12 | 59,59 |
| 1HR19R080192H | 8 | 1920 | 28,37 | 60,0 | 120 | 120,01 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 72 | 1680,0 | 16 | 79,58 |
| 1HR19R100100H | 10 | 1000 | 35,46 | 62,5 | 125 | 125,00 | 100 | 99 | 32 | 19,7 | 3 | 33 | 48 | 32 | 89 | 30 | 750,0 | 8 | 61,63 |
| 1HR19R120100H | 12 | 1000 | 42,56 | 40,0 | 125 | 102,50 | 120 | 119 | 40 | 19,7 | 3 | 39 | 58 | 38 | 107 | 25 | 750,0 | 8 | 87,09 |

SERIE 80 versione senza fori (stessi codici ma senza H finale) / SERIES 80 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 85H

Q9 - SAE1141

Helical tooth system SERIES 85H



Crema liere Racks

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

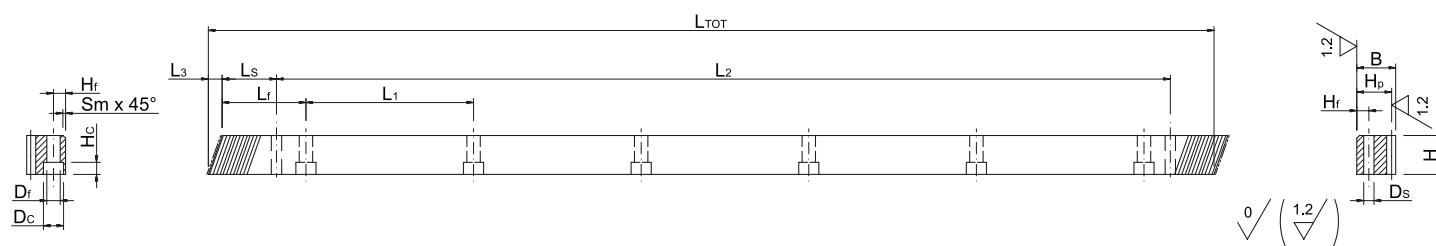
Trattamento termico: non incluso

Denti elicoidali: 19° 31' 42" Dx

Heat-treatment: not included

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

Superficie: trafilata / Surface: cold drawn



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|------|--------|-------|------|-------|-------|------|----|----|------|----|----|----|----|-------|-----|--------|---------------|---------|
| 1HR29R010050H | 1 | 500 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 150 | 439,4 | 4 | 1,48 |
| 1HR29R010100H | 1 | 1000 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 300 | 939,4 | 8 | 2,97 |
| 1HR29R010150H | 1 | 1500 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 450 | 1439,4 | 12 | 4,45 |
| 1HR29R015050H | 1,5 | 500 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 100 | 439,4 | 4 | 1,44 |
| 1HR29R015100H | 1,5 | 1000 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 200 | 939,4 | 8 | 2,88 |
| 1HR29R015150H | 1,5 | 1500 | 7,27 | 62,5 | 125 | 30,29 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 300 | 1439,4 | 12 | 4,32 |
| 1HR29R020050H | 2 | 500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 75 | 436,6 | 4 | 2,09 |
| 1HR29R020100H | 2 | 1000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 150 | 936,6 | 8 | 4,20 |
| 1HR29R020150H | 2 | 1500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 225 | 1436,6 | 12 | 6,30 |
| 1HR29R020200H | 2 | 2000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 300 | 1936,6 | 16 | 8,41 |
| 1HR29R025050H | 2,5 | 500 | 10,64 | 62,5 | 125 | 33,21 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 60 | 433,6 | 4 | 2,98 |
| 1HR29R025100H | 2,5 | 1000 | 10,64 | 62,5 | 125 | 33,21 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 120 | 933,6 | 8 | 5,98 |
| 1HR29R025150H | 2,5 | 1500 | 10,64 | 62,5 | 125 | 33,21 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 180 | 1433,5 | 12 | 8,98 |
| 1HR29R025200H | 2,5 | 2000 | 10,64 | 62,5 | 125 | 33,21 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 240 | 1933,5 | 16 | 11,98 |
| 1HR29R030050H | 3 | 500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 50 | 430,0 | 4 | 2,92 |
| 1HR29R030100H | 3 | 1000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 100 | 930,0 | 8 | 5,86 |
| 1HR29R030150H | 3 | 1500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 150 | 1430,0 | 12 | 8,79 |
| 1HR29R030200H | 3 | 2000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 200 | 1930,0 | 16 | 11,73 |
| 1HR29R031050H | 3,18 | 498,7 | 10,64 | 62,5 | 124,6 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 11 | 16 | 9 | 25,82 | 47 | 428,7 | 4 | 2,87 |
| 1HR29R031100H | 3,18 | 997,4 | 10,64 | 62,5 | 124,6 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 11 | 16 | 9 | 25,82 | 94 | 927,4 | 8 | 5,76 |
| 1HR29R031150H | 3,18 | 1496,1 | 10,64 | 62,5 | 124,6 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 11 | 16 | 9 | 25,82 | 141 | 1426,0 | 12 | 8,65 |
| 1HR29R031199H | 3,18 | 1994,7 | 10,64 | 62,5 | 124,6 | 34,99 | 30 | 29 | 9 | 7,7 | 2 | 11 | 16 | 9 | 25,82 | 188 | 1924,7 | 16 | 11,54 |
| 1HR29R040051H | 4 | 506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 38 | 433,0 | 4 | 5,37 |
| 1HR29R040100H | 4 | 1000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 75 | 933,4 | 8 | 10,63 |
| 1HR29R040151H | 4 | 1506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 113 | 1440,1 | 12 | 16,04 |
| 1HR29R040200H | 4 | 2000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 150 | 1933,4 | 16 | 21,29 |
| 1HR29R050050H | 5 | 500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 30 | 425,0 | 4 | 6,22 |
| 1HR29R050100H | 5 | 1000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 60 | 925,0 | 8 | 12,52 |
| 1HR29R050150H | 5 | 1500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 90 | 1425,0 | 12 | 18,83 |
| 1HR29R050200H | 5 | 2000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 120 | 1925,0 | 16 | 25,13 |
| 1HR29R060050H | 6 | 500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 25 | 425,0 | 4 | 9,23 |
| 1HR29R060100H | 6 | 1000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 50 | 925,0 | 8 | 18,65 |
| 1HR29R060150H | 6 | 1500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 75 | 1425,0 | 12 | 28,06 |
| 1HR29R060200H | 6 | 2000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 100 | 1925,0 | 16 | 37,48 |

SERIE 85 versione senza fori (stessi codici ma senza H finale) / SERIES 85 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 90H

Helical tooth system SERIES 90H

Q10 - C45E



Crema liere Racks

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

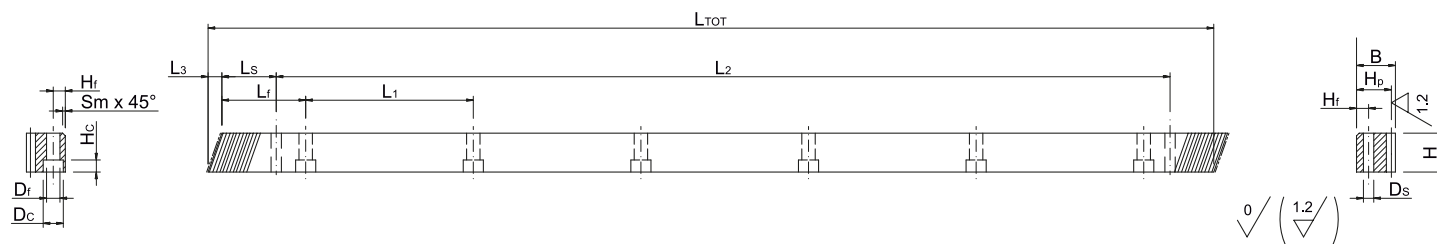
Denti elicoidali: 19° 31' 42" Dx

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

Superficie: trafilata / Surface: cold drawn

Trattamento termico: denti temprati ad induzione 55-58 HRC

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



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|-------|------|-----|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1HR11R010050H | 1 | 500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 150 | 440,1 | 4 | 1,44 |
| 1HR11R010100H | 1 | 1000 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 300 | 940,1 | 8 | 2,89 |
| 1HR11R010150H | 1 | 1500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 450 | 1440,1 | 12 | 4,34 |
| 1HR11R015050H | 1,5 | 500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 100 | 440,1 | 4 | 1,40 |
| 1HR11R015100H | 1,5 | 1000 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 200 | 940,1 | 8 | 2,81 |
| 1HR11R015150H | 1,5 | 1500 | 7,09 | 62,5 | 125 | 29,94 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 300 | 1440,1 | 12 | 4,22 |
| 1HR11R020050H | 2 | 500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 75 | 436,6 | 4 | 2,19 |
| 1HR11R020100H | 2 | 1000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 150 | 936,6 | 8 | 4,39 |
| 1HR11R020150H | 2 | 1500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 225 | 1436,6 | 12 | 6,60 |
| 1HR11R020200H | 2 | 2000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 300 | 1936,6 | 16 | 8,80 |
| 1HR11R030050H | 3 | 500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 50 | 430,0 | 4 | 3,03 |
| 1HR11R030100H | 3 | 1000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 100 | 930,0 | 8 | 6,09 |
| 1HR11R030150H | 3 | 1500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 150 | 1430,0 | 12 | 9,15 |
| 1HR11R030200H | 3 | 2000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 200 | 1930,0 | 16 | 12,20 |
| 1HR11R040051H | 4 | 506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 38 | 433,0 | 4 | 5,53 |
| 1HR11R040100H | 4 | 1000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 75 | 933,4 | 8 | 10,95 |
| 1HR11R040151H | 4 | 1506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 113 | 1440,1 | 12 | 16,51 |
| 1HR11R040200H | 4 | 2000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 150 | 1933,4 | 16 | 21,92 |
| 1HR11R050050H | 5 | 500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 30 | 425,0 | 4 | 6,42 |
| 1HR11R050100H | 5 | 1000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 60 | 925,0 | 8 | 12,91 |
| 1HR11R050150H | 5 | 1500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 90 | 1425,0 | 12 | 19,41 |
| 1HR11R050200H | 5 | 2000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 120 | 1925,0 | 16 | 25,91 |
| 1HR11R060050H | 6 | 500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 25 | 425,0 | 4 | 9,47 |
| 1HR11R060100H | 6 | 1000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 50 | 925,0 | 8 | 19,12 |
| 1HR11R060150H | 6 | 1500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 75 | 1425,0 | 12 | 28,77 |
| 1HR11R060200H | 6 | 2000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 100 | 1925,0 | 16 | 38,42 |
| 1HR11R080048H | 8 | 480 | 28,37 | 60,0 | 120 | 120,01 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 18 | 240,0 | 4 | 19,91 |
| 1HR11R080096H | 8 | 960 | 28,37 | 60,0 | 120 | 120,01 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 36 | 720,0 | 8 | 40,20 |
| 1HR11R080192H | 8 | 1920 | 28,37 | 60,0 | 120 | 120,01 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 72 | 1680,0 | 16 | 80,78 |
| 1HR11R100100H | 10 | 1000 | 35,46 | 62,5 | 125 | 125,00 | 100 | 100 | 32 | 19,7 | 3 | 33 | 48 | 32 | 90 | 30 | 750,0 | 8 | 62,41 |
| 1HR11R120100H | 12 | 1000 | 42,56 | 40,0 | 125 | 102,50 | 120 | 120 | 40 | 19,7 | 3 | 39 | 58 | 38 | 108 | 25 | 750,0 | 8 | 88,03 |

SERIE 90 versione senza fori (stessi codici ma senza H finale) / SERIES 90 not drilled version (same item codes but without the final H)

Dentatura Elicoidale SERIE 95H

Q10 - SAE1141

Helical tooth system SERIES 95H



Crema gliere Racks

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

Trattamento termico: denti temprati ad induzione 56-60 HRC

Denti elicoidali: 19° 31' 42" Dx

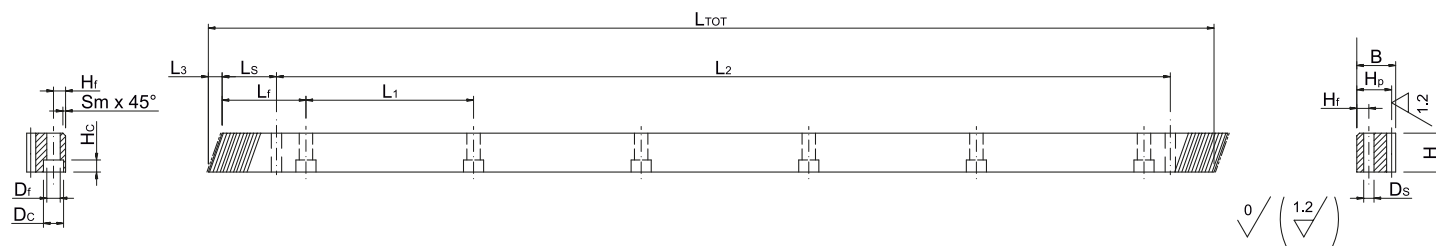
Heat-treatment: induction-hardened teeth 56-60 HRC

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

R= 800 N/mm² (resistenza carico a rottura)

Superficie: trafilata / Surface: cold drawn

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L3 | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|-------|------|-----|-------|------|----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1HR21R010050H | 1 | 500 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 150 | 440,1 | 4 | 1,48 |
| 1HR21R010100H | 1 | 1000 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 300 | 940,1 | 8 | 2,97 |
| 1HR21R010150H | 1 | 1500 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 450 | 1440,1 | 12 | 4,45 |
| 1HR21R015050H | 1,5 | 500 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 100 | 440,1 | 4 | 1,44 |
| 1HR21R015100H | 1,5 | 1000 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 200 | 940,1 | 8 | 2,88 |
| 1HR21R015150H | 1,5 | 1500 | 7,27 | 62,5 | 125 | 29,94 | 20,5 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 300 | 1440,1 | 12 | 4,32 |
| 1HR21R020050H | 2 | 500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 75 | 436,6 | 4 | 2,19 |
| 1HR21R020100H | 2 | 1000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 150 | 936,6 | 8 | 4,39 |
| 1HR21R020150H | 2 | 1500 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 225 | 1436,6 | 12 | 6,60 |
| 1HR21R020200H | 2 | 2000 | 8,86 | 62,5 | 125 | 31,71 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 300 | 1936,6 | 16 | 8,80 |
| 1HR21R030050H | 3 | 500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 50 | 430,0 | 4 | 3,03 |
| 1HR21R030100H | 3 | 1000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 100 | 930,0 | 8 | 6,09 |
| 1HR21R030150H | 3 | 1500 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 150 | 1430,0 | 12 | 9,15 |
| 1HR21R030200H | 3 | 2000 | 10,64 | 62,5 | 125 | 34,99 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 200 | 1930,0 | 16 | 12,20 |
| 1HR21R040051H | 4 | 506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 38 | 433,0 | 4 | 5,53 |
| 1HR21R040100H | 4 | 1000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 75 | 933,4 | 8 | 10,95 |
| 1HR21R040151H | 4 | 1506,7 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 113 | 1440,1 | 12 | 16,51 |
| 1HR21R040200H | 4 | 2000 | 14,18 | 62,5 | 125 | 33,30 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 150 | 1933,4 | 16 | 21,92 |
| 1HR21R050050H | 5 | 500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 30 | 425,0 | 4 | 6,42 |
| 1HR21R050100H | 5 | 1000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 60 | 925,0 | 8 | 12,91 |
| 1HR21R050150H | 5 | 1500 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 90 | 1425,0 | 12 | 19,41 |
| 1HR21R050200H | 5 | 2000 | 17,73 | 62,5 | 125 | 37,50 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 120 | 1925,0 | 16 | 25,91 |
| 1HR21R060050H | 6 | 500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 25 | 425,0 | 4 | 9,47 |
| 1HR21R060100H | 6 | 1000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 50 | 925,0 | 8 | 19,12 |
| 1HR21R060150H | 6 | 1500 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 75 | 1425,0 | 12 | 28,77 |
| 1HR21R060200H | 6 | 2000 | 21,28 | 62,5 | 125 | 37,50 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 100 | 1925,0 | 16 | 38,42 |
| | | | | | | | | | | | | | | | | | | | |
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SERIE 95 versione senza fori (stessi codici ma senza H finale) / SERIES 95 not drilled version (same item codes but without the final H)

CREMAGLIERE A DENTI DRITTI

Indice

| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------------|--------------------|-----------------------|---|-------|------------------------|------------------|-------------------------------|-------------|
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| 100 MAGNUM | 5 | 16MnCr5 | cementazione e tempra completa case hardening | 59-61 | rettificata ground | NO | 2_3_4_5_6 | 44 |
| 105H | 5 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | SI YES | 2_3_4_5_6 | 45 |
| 105 | 5 | 16MnCr5 | carburazione e tempra ad induzione carburized and induction-hardened | 60 | rettificata ground | NO | 2_3_4_5_6 | 45 |
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| 115 | 6 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | NO | 1_1,5_2_3_4_5_6_8_10_12 | 47 |
| 120H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | SI YES | 1_1,5_2_3_4_5_6 | 48 |
| 120 | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | NO | 1_1,5_2_3_4_5_6 | 48 |
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| 125 | 7 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | NO | 2_3_4_5_6 | 49 |
| 130H | 7 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | SI YES | 2_3_4_5_6 | 50 |
| 130 | 7 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | NO | 2_3_4_5_6 | 50 |
| 135H | 8 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | fresata just milled | SI YES | 2_3_4_5_6 | 51 |
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STRAIGHT RACKS

Index



| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---|-------|-------------------------|------------------|-------------------------------|-------------|
| 140H | 8 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | fresata just milled | SI YES | 2_3_4_5_6 | 52 |
| 140 | 8 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | fresata just milled | NO | 2_3_4_5_6 | 52 |
| 145H | 8 | 42CrMo4 | non incluso not included | - | fresata just milled | SI YES | 2_3_4_5 | 53 |
| 145 | 8 | 42CrMo4 | non incluso not included | - | fresata just milled | NO | 2_3_4_5 | 53 |
| 150H | 9 | C45E | non incluso not included | - | trafilata cold drawn | SI YES | 1_1.5_2_2.5_3_4_5_6_8_10_12 | 54 |
| 150 | 9 | C45E | non incluso not included | - | trafilata cold drawn | NO | 1_1.5_2_2.5_3_4_5_6_8_10_12 | 54 |
| 155H | 9 | SAE1141 | non incluso not included | - | trafilata cold drawn | SI YES | 1_1.5_2_2.5_3_3,183_4_5_6 | 55 |
| 155 | 9 | SAE1141 | non incluso not included | - | trafilata cold drawn | NO | 1_1.5_2_2.5_3_3,183_4_5_6 | 55 |
| 160H | 10 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | trafilata cold drawn | SI YES | 1_1.5_2_3_4_5_6_8_10_12 | 56 |
| 160 | 10 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | trafilata cold drawn | NO | 1_1.5_2_3_4_5_6_8_10_12 | 56 |
| 165H | 10 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | trafilata cold drawn | SI YES | 1_1.5_2_3_4_5_6 | 57 |
| 165 | 10 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | trafilata cold drawn | NO | 1_1.5_2_3_4_5_6 | 57 |
| 170H | - | AISI 304 INOX | non incluso not included | - | trafilata cold drawn | SI YES | 1_2_3_4_5_6 | 58 |
| 170 | - | AISI 304 INOX | non incluso not included | - | trafilata cold drawn | NO | 1_2_3_4_5_6 | 58 |
| 175 | - | POM | - | - | - | NO | 1_1.5_1,75_2_2,5_3_3,183_4 | 59 |

Dentatura Dritta SERIE 100H
Straight tooth system SERIES 100H

Q5 - 16MnCr5
MAGNUM



Cremaigliere Racks

Qualità / Quality: **5**

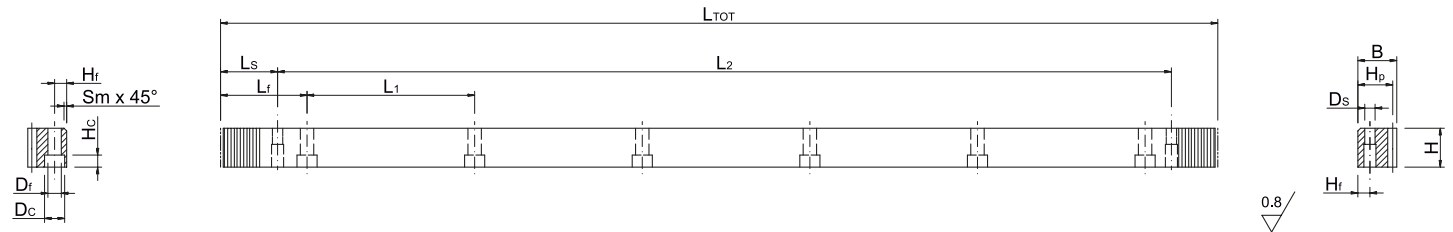
Materiale / Material: **16MnCr5**

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

Superficie: rettificata / Surface: ground

Tratt. termici: cementazione e tempra completa 59-61 HRC

Heat treatment: case-hardening 59-61 HRC



| CODICE ITEM CODE | M | L TOT | L _f | L ₁ | L _s | H | B | H _f | D _s | Sm | D _f | D _c | H _c | H _p | Z | L ₂ | N° fori holes | PESO kg |
|----------------------|---|--------|----------------|----------------|----------------|----|----|----------------|----------------|----|----------------|----------------|----------------|----------------|-----|----------------|---------------|---------|
| 1SRC5S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SRC5S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SRC5S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SRC5S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SRC5S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SRC5S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SRC5S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SRC5S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SRC5S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SRC5S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
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SERIE 100 versione senza fori (stessi codici ma senza H finale) / SERIES 100 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 105H

Straight tooth system SERIES 105H

Q5 - 16MnCr5



Crema $\dot{\text{g}}\text{liere Racks$

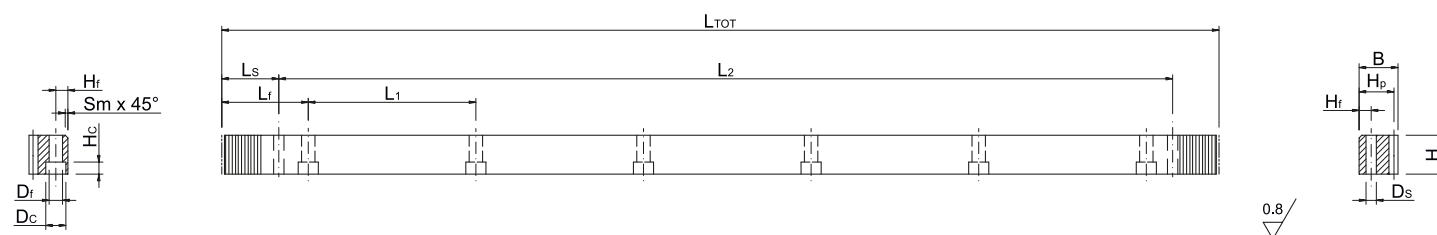
Qualità / Quality: **5**

Materiale / Material: **16MnCr5**

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

Superficie: rettificata / Surface: ground

Tratt. termici: carburazione e denti temprati ad induzione 60 HRC
Heat-treatment: carburized and induction-hardened teeth 60 HRC



| CODICE ITEM CODE | M | L TOT | L _f | L ₁ | L _s | H | B | H _f | D _s | Sm | D _f | D _c | H _c | H _p | Z | L ₂ | N° fori holes | PESO kg |
|----------------------|---|--------|----------------|----------------|----------------|----|----|----------------|----------------|----|----------------|----------------|----------------|----------------|-----|----------------|---------------|---------|
| 1SR35S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR35S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR35S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR35S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR35S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR35S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR35S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR35S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR35S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR35S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
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Dentatura Dritta SERIE 110H
Straight tooth system SERIES 110H

Q6 - 16MnCr5



Cremaigliere Racks

Qualità / Quality: **6**

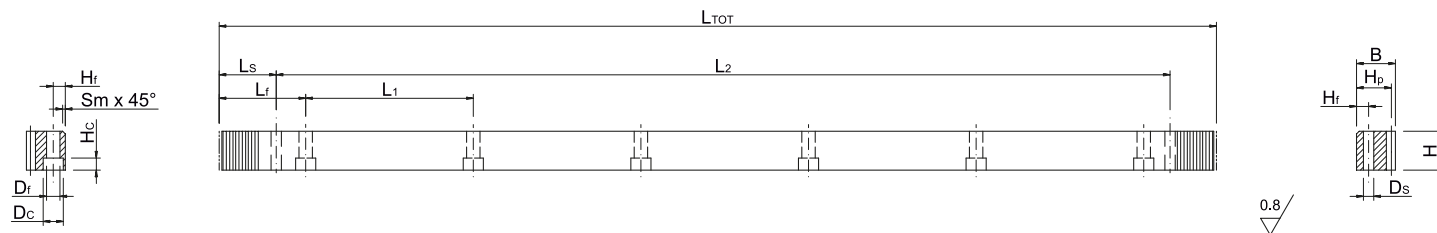
Materiale / Material: **16MnCr5**

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

Superficie: rettificata / Surface: ground

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

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|------|-------|------|----|----|----|------|----|----|----|----|------|-----|-------|---------------|---------|
| 1SR36S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 160 | 440,1 | 4 | 1,45 |
| 1SR36S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 320 | 942,7 | 8 | 2,91 |
| 1SR36S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 108 | 440,1 | 4 | 1,43 |
| 1SR36S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 216 | 949,1 | 8 | 2,86 |
| 1SR36S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR36S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR36S025050H | 2,5 | 502,7 | 62,8 | 125,7 | 30,1 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 64 | 442,5 | 4 | 2,89 |
| 1SR36S025101H | 2,5 | 1005,3 | 62,8 | 125,7 | 30,1 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 128 | 945,1 | 8 | 5,81 |
| 1SR36S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR36S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR36S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR36S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR36S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR36S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR36S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR36S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
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Dentatura Dritta SERIE 115H

Straight tooth system SERIES 115H

Q6 - C45E



Cremaigliere Racks

Qualità / Quality: **6**

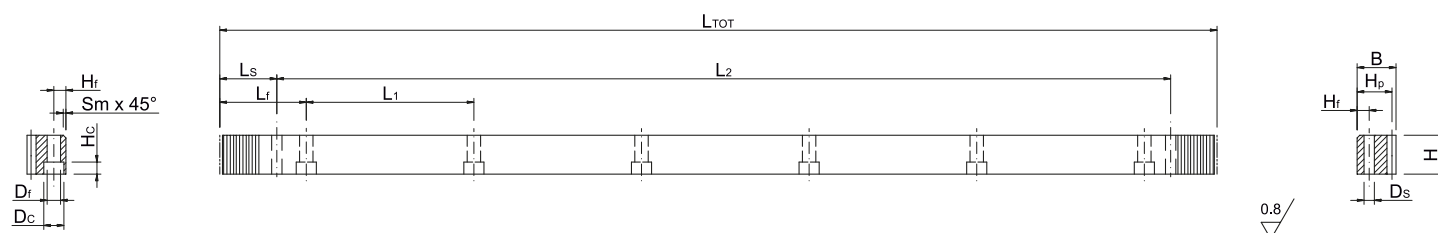
Materiale / Material: **C45E**

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|------|-------|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1SR16S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 160 | 440,1 | 4 | 1,30 |
| 1SR16S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 320 | 942,7 | 8 | 2,61 |
| 1SR16S010151H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 480 | 1445,4 | 12 | 3,92 |
| 1SR16S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 108 | 440,1 | 4 | 1,28 |
| 1SR16S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 216 | 949,1 | 8 | 2,56 |
| 1SR16S015151H | 1,5 | 1526,8 | 62,8 | 125,7 | 34,4 | 19 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 324 | 1458,0 | 12 | 3,85 |
| 1SR16S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR16S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR16S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR16S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR16S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR16S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR16S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR16S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR16S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR16S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR16S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR16S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR16S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR16S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR16S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR16S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR16S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR16S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR16S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR16S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |
| 1SR16S080050H | 8 | 502,7 | 62,8 | 125,7 | 26,6 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 20 | 449,5 | 4 | 20,35 |
| 1SR16S080101H | 8 | 1005,3 | 62,8 | 125,7 | 26,6 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 40 | 952,1 | 8 | 41,08 |
| 1SR16S080151H | 8 | 1508,0 | 62,8 | 125,7 | 26,6 | 79 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 60 | 1454,8 | 12 | 61,80 |
| 1SR16S100101H | 10 | 1005,3 | 62,8 | 125,7 | 125,66 | 99 | 99 | 32 | 19,7 | 3 | 33 | 48 | 32 | 89 | 32 | 754,0 | 8 | 61,36 |
| 1SR16S120102H | 12 | 1017,9 | 63,6 | 127,2 | 127,23 | 120 | 120 | 40 | 19,7 | 3 | 39 | 58 | 38 | 108 | 27 | 763,4 | 8 | 89,84 |

SERIE 115 versione senza fori (stessi codici ma senza H finale) / SERIES 115 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 120H
Straight tooth system SERIES 120H

Q6 - SAE1141



Crema liere Racks

Qualità / Quality: **6**

Materiale / Material: **SAE1141**

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

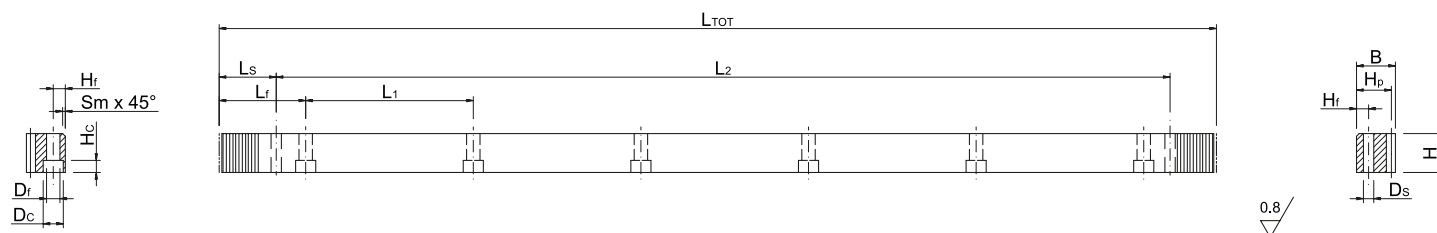
Superficie: rettificata / Surface: ground

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|------|-------|------|----|----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1SR26S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 160 | 440,1 | 4 | 1,45 |
| 1SR26S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 320 | 942,7 | 8 | 2,91 |
| 1SR26S010151H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 480 | 1445,4 | 12 | 4,37 |
| 1SR26S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 108 | 440,1 | 4 | 1,43 |
| 1SR26S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 216 | 949,1 | 8 | 2,86 |
| 1SR26S015151H | 1,5 | 1526,8 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 324 | 1458,0 | 12 | 4,29 |
| 1SR26S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR26S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR26S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR26S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR26S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR26S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR26S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR26S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR26S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR26S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR26S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR26S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR26S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR26S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR26S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR26S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR26S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR26S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR26S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR26S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |
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SERIE 120 versione senza fori (stessi codici ma senza H finale) / SERIES 120 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 125H
Straight tooth system SERIES 125H

Q7 - C45E



Cremaigliere Racks

Qualità / Quality: **7**

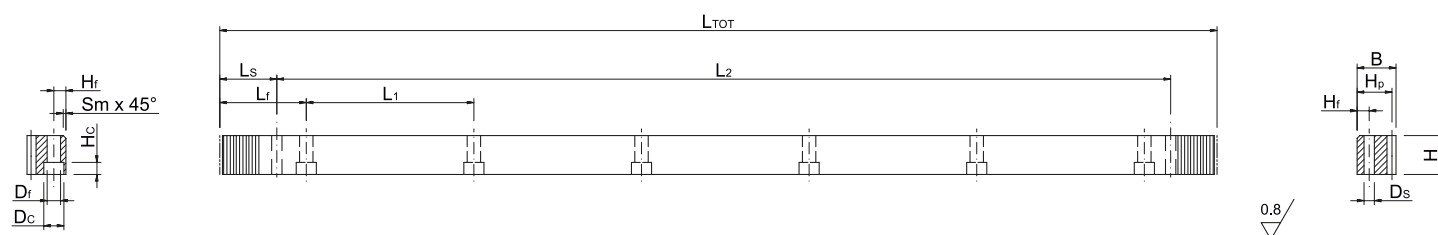
Materiale / Material: **C45E**

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|------|-------|------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1SR17S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR17S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR17S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR17S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR17S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR17S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR17S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR17S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR17S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR17S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR17S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR17S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR17S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR17S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR17S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR17S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR17S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR17S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR17S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR17S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |
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SERIE 125 versione senza fori (stessi codici ma senza H finale) / SERIES 125 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 130H
Straight tooth system SERIES 130H

Q7 - SAE1141



Crema gliere Racks

Qualità / Quality: **7**

Materiale / Material: **SAE1141**

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

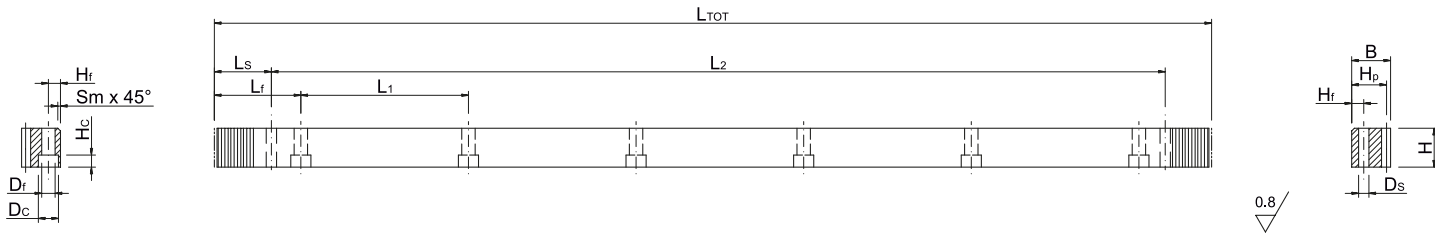
Superficie: rettificata / Surface: ground

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|------|-------|------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1SR27S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR27S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR27S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR27S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR27S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR27S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR27S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR27S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR27S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR27S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR27S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR27S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR27S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR27S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR27S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR27S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR27S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR27S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR27S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR27S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |
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Dentatura Dritta SERIE 135H

Straight tooth system SERIES 135H

Q8 - C45E



Crema liere Racks

Qualità / Quality: **8**

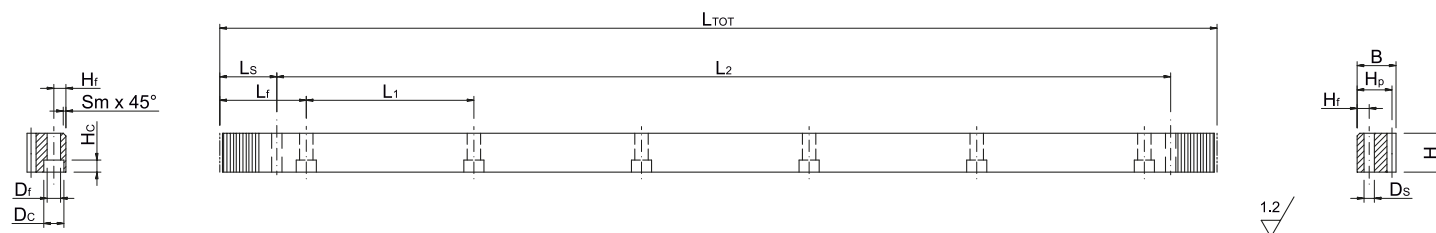
Materiale / Material: **C45E**

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

Superficie: fresata / Surface: just milled

Trattamento termico: denti temprati ad induzione 55-58 HRC

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|------|-------|------|----|----|----|------|----|----|----|----|----|-----|--------|---------------|---------|
| 1SR18S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR18S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR18S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR18S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR18S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR18S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR18S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR18S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR18S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR18S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR18S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR18S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR18S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR18S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR18S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR18S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR18S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR18S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR18S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR18S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |
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SERIE 135 versione senza fori (stessi codici ma senza H finale) / SERIES 135 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 140H

Straight tooth system SERIES 140H

Q8 - SAE1141



Crema liere Racks

Qualità / Quality: **8**

Materiale / Material: **SAE1141**

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

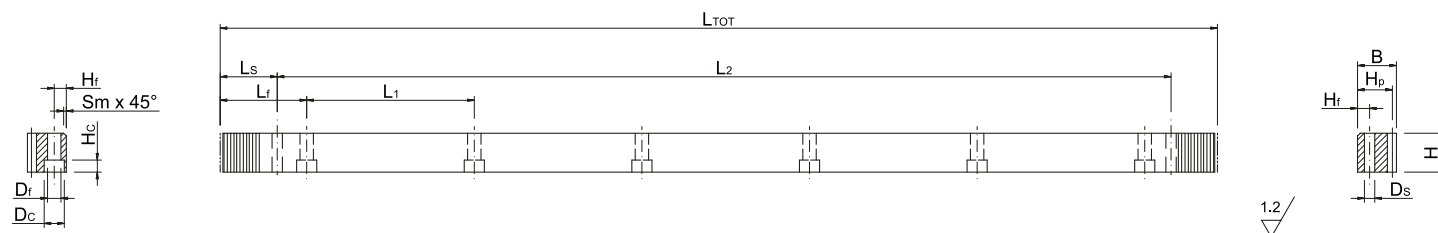
Superficie: fresata / Surface: just milled

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L _f | L ₁ | L _s | H | B | H _f | D _s | Sm | D _f | D _c | H _c | H _p | Z | L ₂ | N° fori holes | PESO kg |
|------------------|---|--------|----------------|----------------|----------------|----|----|----------------|----------------|----|----------------|----------------|----------------|----------------|-----|----------------|---------------|---------|
| 1SR28S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR28S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR28S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,08 |
| 1SR28S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,11 |
| 1SR28S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR28S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR28S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,66 |
| 1SR28S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,55 |
| 1SR28S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR28S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR28S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 15,65 |
| 1SR28S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 20,87 |
| 1SR28S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR28S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
| 1SR28S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,55 |
| 1SR28S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 24,76 |
| 1SR28S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,25 |
| 1SR28S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 18,68 |
| 1SR28S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,12 |
| 1SR28S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 59 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 37,55 |

SERIE 140 versione senza fori (stessi codici ma senza H finale) / SERIES 140 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE **145H**
Straight tooth system SERIES 145H

Q8 - 42CrMo4



Cremaliere Racks

Qualità / Quality: **8**

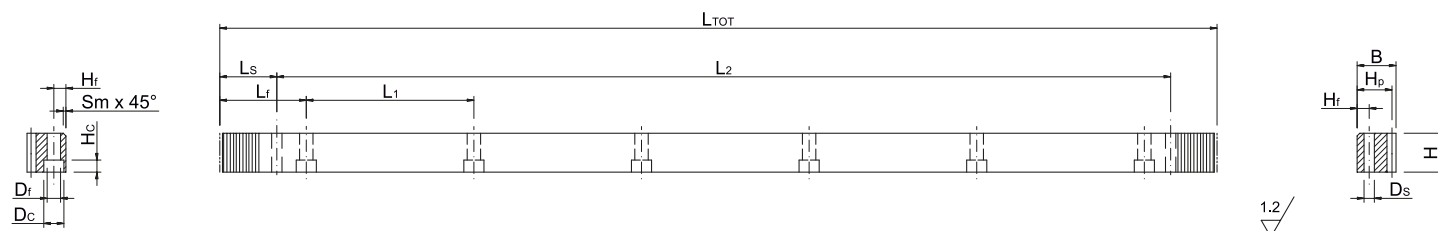
Trattamento termico: non incluso

Materiale / Material: **42CrMo4**

Heat-treatment: not included

Angolo di pressione / Pressure angle: 20°

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|---|--------|------|-------|------|----|----|----|------|----|----|----|----|----|-----|-------|---------------|---------|
| 1SR08S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,02 |
| 1SR08S020100H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 24 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,05 |
| 1SR08S030050H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,87 |
| 1SR08S030100H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 29 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,76 |
| 1SR08S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,20 |
| 1SR08S040100H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 39 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,42 |
| 1SR08S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,13 |
| 1SR08S050100H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 49 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,34 |
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SERIE 145 versione senza fori (stessi codici ma senza H finale) / SERIES 145 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 150H

Straight tooth system SERIES 150H

Q9 - C45E



Cremaigliere Racks

Qualità / Quality: **9**

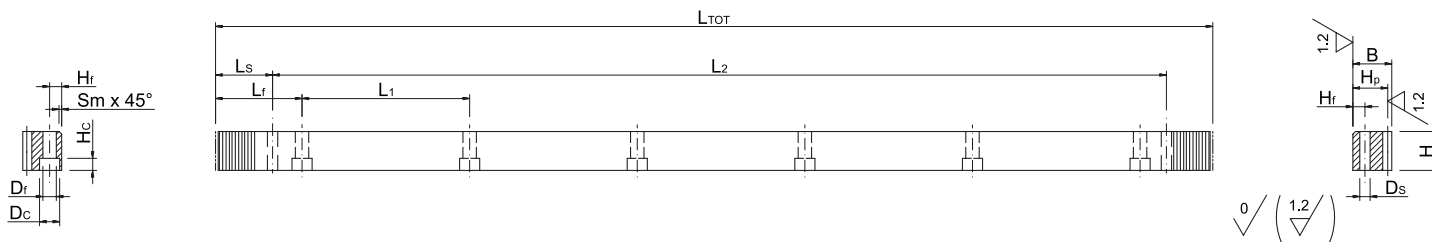
Trattamento termico: non incluso

Materiale / Material: **C45E**

Heat-treatment: not included

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

Superficie: trafilata / Surface: cold drawn



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|------|-------|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1SR19S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 160 | 440,1 | 4 | 1,37 |
| 1SR19S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 320 | 942,7 | 8 | 2,75 |
| 1SR19S010151H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 480 | 1445,4 | 12 | 4,12 |
| 1SR19S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 108 | 440,1 | 4 | 1,35 |
| 1SR19S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 216 | 949,1 | 8 | 2,70 |
| 1SR19S015151H | 1,5 | 1526,8 | 62,8 | 125,7 | 34,4 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 17,5 | 324 | 1458,0 | 12 | 4,06 |
| 1SR19S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,11 |
| 1SR19S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,22 |
| 1SR19S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,34 |
| 1SR19S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,45 |
| 1SR19S025050H | 2,5 | 502,7 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 64 | 442,5 | 4 | 3,00 |
| 1SR19S025101H | 2,5 | 1005,3 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 128 | 945,1 | 8 | 6,01 |
| 1SR19S025151H | 2,5 | 1508,0 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 192 | 1447,8 | 12 | 9,03 |
| 1SR19S025201H | 2,5 | 2010,7 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 256 | 1950,8 | 16 | 12,05 |
| 1SR19S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,97 |
| 1SR19S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,96 |
| 1SR19S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,96 |
| 1SR19S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,95 |
| 1SR19S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,33 |
| 1SR19S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,69 |
| 1SR19S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 16,05 |
| 1SR19S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 21,41 |
| 1SR19S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,25 |
| 1SR19S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,59 |
| 1SR19S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,93 |
| 1SR19S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 25,27 |
| 1SR19S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,41 |
| 1SR19S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 19,01 |
| 1SR19S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,60 |
| 1SR19S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 38,20 |
| 1SR19S080050H | 8 | 502,7 | 62,8 | 125,7 | 26,6 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 20 | 449,5 | 4 | 20,61 |
| 1SR19S080101H | 8 | 1005,3 | 62,8 | 125,7 | 26,6 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 40 | 952,1 | 8 | 41,60 |
| 1SR19S080151H | 8 | 1508,0 | 62,8 | 125,7 | 26,6 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 60 | 1454,8 | 12 | 62,60 |
| 1SR19S080201H | 8 | 2010,7 | 62,8 | 125,7 | 26,6 | 80 | 79 | 25 | 19,7 | 3 | 22 | 33 | 21 | 71 | 80 | 1957,2 | 16 | 83,59 |
| 1SR19S100101H | 10 | 1005,3 | 62,8 | 125,7 | 125,66 | 100 | 99 | 32 | 19,7 | 3 | 33 | 48 | 32 | 89 | 32 | 754,0 | 8 | 62,00 |
| 1SR19S120102H | 12 | 1017,9 | 63,6 | 127,2 | 127,23 | 120 | 119 | 40 | 19,7 | 3 | 39 | 58 | 38 | 107 | 27 | 763,4 | 8 | 88,88 |

SERIE 150 versione senza fori (stessi codici ma senza H finale) / SERIES 150 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 155H

Straight tooth system SERIES 155H

Q9 - SAE1141



Cremafliere Racks

Qualità / Quality: **9**

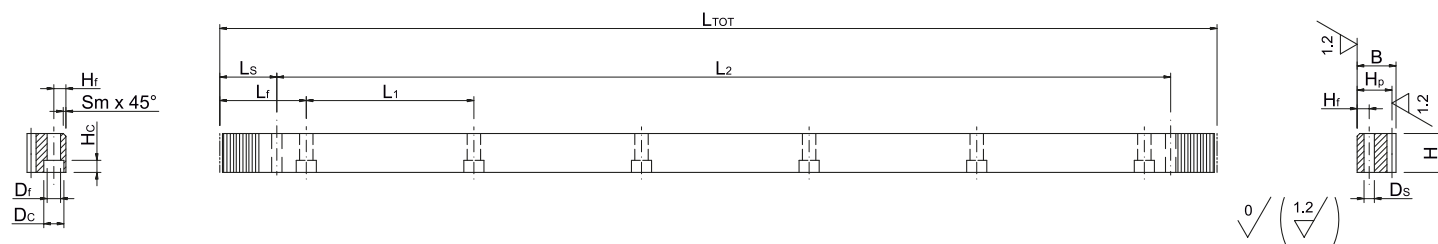
Materiale / Material: **SAE1141**

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

Superficie: trafilata / Surface: cold drawn

Trattamento termico: non incluso

Heat-treatment: not included



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|------|--------|------|-------|------|------|------|----|------|----|----|----|----|-------|-----|--------|---------------|---------|
| 1SR29S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 160 | 440,1 | 4 | 1,53 |
| 1SR29S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 320 | 942,7 | 8 | 3,06 |
| 1SR29S010151H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 480 | 1445,4 | 12 | 4,60 |
| 1SR29S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 108 | 440,1 | 4 | 1,50 |
| 1SR29S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 216 | 949,1 | 8 | 3,01 |
| 1SR29S015151H | 1,5 | 1526,8 | 62,8 | 125,7 | 34,4 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 324 | 1458,0 | 12 | 4,53 |
| 1SR29S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,11 |
| 1SR29S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,22 |
| 1SR29S020151H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 240 | 1445,4 | 12 | 6,34 |
| 1SR29S020201H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 320 | 1948,0 | 16 | 8,45 |
| 1SR29S025050H | 2,5 | 502,7 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 64 | 442,5 | 4 | 3,00 |
| 1SR29S025101H | 2,5 | 1005,3 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 128 | 945,1 | 8 | 6,01 |
| 1SR29S025151H | 2,5 | 1508,0 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 192 | 1447,8 | 12 | 9,03 |
| 1SR29S025201H | 2,5 | 2010,7 | 62,8 | 125,7 | 30,1 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26,5 | 256 | 1950,8 | 16 | 12,05 |
| 1SR29S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,97 |
| 1SR29S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,96 |
| 1SR29S030153H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 162 | 1458,0 | 12 | 8,96 |
| 1SR29S030204H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 216 | 1967,0 | 16 | 11,95 |
| 1SR29S031050H | 3,18 | 500,0 | 62,5 | 125,0 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 25,82 | 50 | 431,2 | 4 | 2,89 |
| 1SR29S031100H | 3,18 | 1000,0 | 62,5 | 125,0 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 25,82 | 100 | 931,2 | 8 | 5,81 |
| 1SR29S031150H | 3,18 | 1500,0 | 62,5 | 125,0 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 25,82 | 150 | 1431,2 | 12 | 8,73 |
| 1SR29S031200H | 3,18 | 2000,0 | 62,5 | 125,0 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 25,82 | 200 | 1931,2 | 16 | 11,64 |
| 1SR29S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,33 |
| 1SR29S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,69 |
| 1SR29S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 16,05 |
| 1SR29S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 21,41 |
| 1SR29S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,25 |
| 1SR29S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,59 |
| 1SR29S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,93 |
| 1SR29S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 25,27 |
| 1SR29S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,41 |
| 1SR29S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 19,01 |
| 1SR29S060153H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 81 | 1464,0 | 12 | 28,60 |
| 1SR29S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 38,20 |

SERIE 155 versione senza fori (stessi codici ma senza H finale) / SERIES 155 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 160H

Straight tooth system SERIES 160H

Q10 - C45E



Cremaigliere Racks

Qualità / Quality: **10**

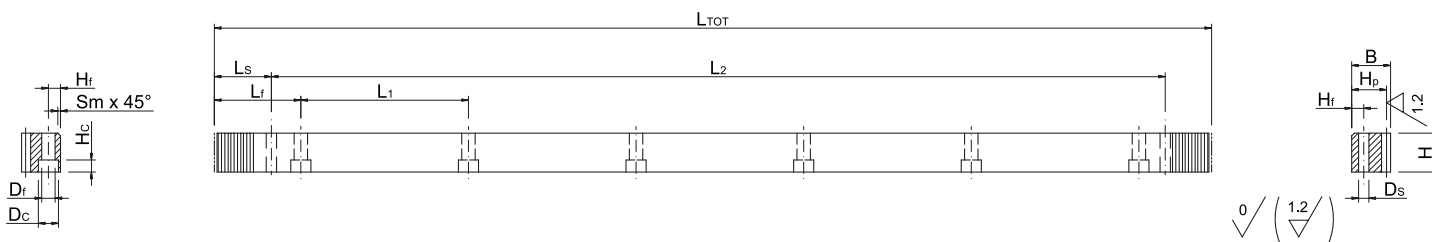
Materiale / Material: **C45E**

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

Superficie: trafilata / Surface: cold drawn

Trattamento termico: denti temprati ad induzione 55-58 HRC

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



| CODICE ITEM CODE | M | L TOT | Lf | L1 | Ls | H | B | Hf | Ds | Sm | Df | Dc | Hc | Hp | Z | L2 | N° fori holes | PESO kg |
|------------------|-----|--------|------|-------|--------|-----|-----|----|------|----|----|----|----|------|-----|--------|---------------|---------|
| 1SR11S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 160 | 440,1 | 4 | 1,45 |
| 1SR11S010100H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 320 | 942,7 | 8 | 2,91 |
| 1SR11S010150H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19 | 480 | 1445,4 | 12 | 4,37 |
| 1SR11S015051H | 1,5 | 508,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 108 | 440,1 | 4 | 1,43 |
| 1SR11S015102H | 1,5 | 1017,9 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 216 | 949,1 | 8 | 2,86 |
| 1SR11S015151H | 1,5 | 1526,8 | 62,8 | 125,7 | 34,4 | 20 | 20 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18,5 | 324 | 1458,0 | 12 | 4,29 |
| 1SR11S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 80 | 440,1 | 4 | 2,20 |
| 1SR11S020100H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 160 | 942,7 | 8 | 4,42 |
| 1SR11S020150H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 240 | 1445,4 | 12 | 6,63 |
| 1SR11S020200H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 320 | 1948,0 | 16 | 8,85 |
| 1SR11S030050H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 54 | 440,1 | 4 | 3,09 |
| 1SR11S030100H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 108 | 949,1 | 8 | 6,20 |
| 1SR11S030150H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 162 | 1458,0 | 12 | 9,32 |
| 1SR11S030200H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 216 | 1967,0 | 16 | 12,43 |
| 1SR11S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 40 | 433,0 | 4 | 5,49 |
| 1SR11S040100H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 80 | 930,3 | 8 | 11,01 |
| 1SR11S040150H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 120 | 1433,0 | 12 | 16,52 |
| 1SR11S040200H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 160 | 1935,6 | 16 | 22,04 |
| 1SR11S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 32 | 442,5 | 4 | 6,45 |
| 1SR11S050100H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 64 | 945,1 | 8 | 12,99 |
| 1SR11S050150H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 96 | 1447,8 | 12 | 19,52 |
| 1SR11S050200H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 128 | 1950,4 | 16 | 26,06 |
| 1SR11S060050H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 27 | 446,1 | 4 | 9,65 |
| 1SR11S060100H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 54 | 955,1 | 8 | 19,49 |
| 1SR11S060150H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 81 | 1464,0 | 12 | 29,32 |
| 1SR11S060200H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 108 | 1973,0 | 16 | 39,15 |
| 1SR11S080050H | 8 | 502,7 | 62,8 | 125,7 | 26,6 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 20 | 449,5 | 4 | 20,93 |
| 1SR11S080100H | 8 | 1005,3 | 62,8 | 125,7 | 26,6 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 40 | 952,1 | 8 | 42,23 |
| 1SR11S080151H | 8 | 1508,0 | 62,8 | 125,7 | 26,6 | 80 | 80 | 25 | 19,7 | 3 | 22 | 33 | 21 | 72 | 60 | 1454,8 | 12 | 63,54 |
| 1SR11S100100H | 10 | 1005,3 | 62,8 | 125,7 | 125,66 | 100 | 100 | 32 | 19,7 | 3 | 33 | 48 | 32 | 90 | 32 | 754,0 | 8 | 62,79 |
| 1SR11S120100H | 12 | 1017,9 | 63,6 | 127,2 | 127,23 | 120 | 120 | 40 | 19,7 | 3 | 39 | 58 | 38 | 108 | 27 | 763,4 | 8 | 89,84 |
| | | | | | | | | | | | | | | | | | | |
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SERIE 160 versione senza fori (stessi codici ma senza H finale) / SERIES 160 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 165H

Straight tooth system SERIES 165H

Q10 - SAE1141



Cremaigliere Racks

Qualità / Quality: **10**

Materiale / Material: **SAE1141**

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

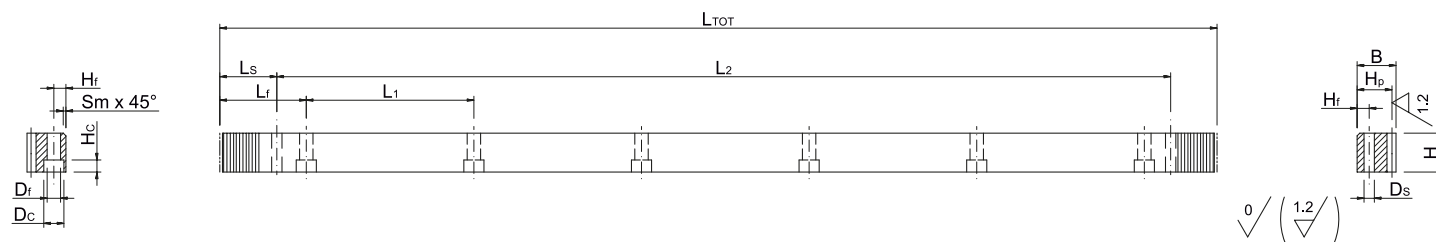
Superficie: trafilata / Surface: cold drawn

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC

R= 800 N/mm² (resistenza carico a rottura)

R= 800 N/mm² (tensile strength)



| CODICE ITEM CODE | M | L TOT | L _f | L ₁ | L _s | H | B | H _f | D _s | Sm | D _f | D _c | H _c | H _p | Z | L ₂ | N° fori holes | PESO kg |
|------------------|---|--------|----------------|----------------|----------------|------|------|----------------|----------------|----|----------------|----------------|----------------|----------------|-----|----------------|---------------|---------|
| 1SR21S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 160 | 440,1 | 4 | 1,53 |
| 1SR21S010100H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 320 | 942,7 | 8 | 3,06 |
| 1SR21S010150H | 1 | 1508,0 | 62,8 | 125,7 | 31,3 | 20,5 | 20,5 | 8 | 5,7 | 2 | 7 | 11 | 7 | 19,5 | 480 | 1445,4 | 12 | 4,60 |
| 1SR21S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 80 | 440,1 | 4 | 2,20 |
| 1SR21S020100H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 160 | 942,7 | 8 | 4,42 |
| 1SR21S020150H | 2 | 1508,0 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 240 | 1445,4 | 12 | 6,63 |
| 1SR21S020200H | 2 | 2010,6 | 62,8 | 125,7 | 31,3 | 25 | 25 | 8 | 5,7 | 2 | 7 | 11 | 7 | 23 | 320 | 1948,0 | 16 | 8,85 |
| 1SR21S030050H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 54 | 440,1 | 4 | 3,09 |
| 1SR21S030100H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 108 | 949,1 | 8 | 6,20 |
| 1SR21S030150H | 3 | 1526,8 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 162 | 1458,0 | 12 | 9,32 |
| 1SR21S030200H | 3 | 2035,8 | 63,6 | 127,2 | 34,4 | 30 | 30 | 9 | 7,7 | 2 | 10 | 15 | 9 | 27 | 216 | 1967,0 | 16 | 12,43 |
| 1SR21S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 40 | 433,0 | 4 | 5,49 |
| 1SR21S040100H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 80 | 930,3 | 8 | 11,01 |
| 1SR21S040150H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 120 | 1433,0 | 12 | 16,52 |
| 1SR21S040200H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 40 | 40 | 12 | 7,7 | 3 | 10 | 15 | 9 | 36 | 160 | 1935,6 | 16 | 22,04 |
| 1SR21S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 32 | 442,5 | 4 | 6,45 |
| 1SR21S050100H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 64 | 945,1 | 8 | 12,99 |
| 1SR21S050150H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 96 | 1447,8 | 12 | 19,52 |
| 1SR21S050200H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 50 | 40 | 12 | 11,7 | 3 | 14 | 20 | 13 | 35 | 128 | 1950,4 | 16 | 26,06 |
| 1SR21S060050H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 27 | 446,1 | 4 | 9,65 |
| 1SR21S060100H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 54 | 955,1 | 8 | 19,49 |
| 1SR21S060150H | 6 | 1526,8 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 81 | 1464,0 | 12 | 29,32 |
| 1SR21S060200H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 60 | 50 | 16 | 15,7 | 3 | 18 | 26 | 17 | 44 | 108 | 1973,0 | 16 | 39,15 |
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SERIE 165 versione senza fori (stessi codici ma senza H finale) / SERIES 165 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 170H

Straight tooth system SERIES 170H

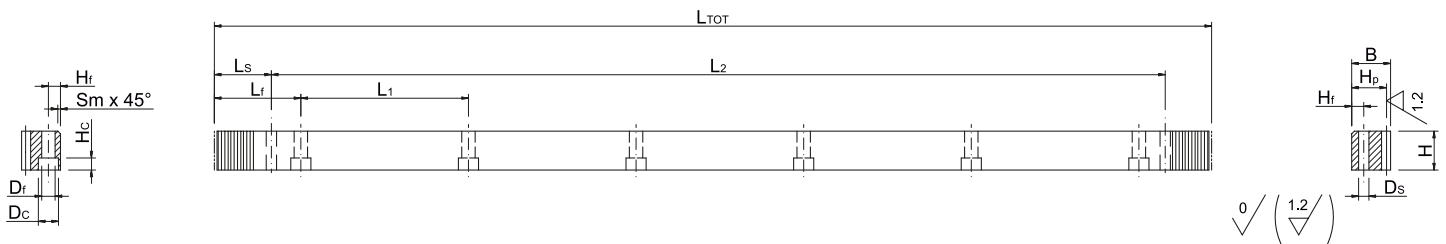
INOX AISI 304



Crema gliere Racks

Material / Material: **INOX AISI 304**
 Angolo di pressione / Pressure angle: **20°**
 Superficie: trafilata / Surface: cold drawn

Trattamento termico: non incluso
 Heat-treatment: not included



| CODICE ITEM CODE | M | L TOT | L _f | L ₁ | L _s | H | B | H _f | D _s | Sm | D _f | D _c | H _c | H _p | Z | L ₂ | N° fori holes | PESO kg |
|------------------|---|--------|----------------|----------------|----------------|----|----|----------------|----------------|----|----------------|----------------|----------------|----------------|-----|----------------|---------------|---------|
| 1SR61S010050H | 1 | 502,7 | 62,8 | 125,7 | 31,3 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 160 | 440,1 | 4 | 1,37 |
| 1SR61S010101H | 1 | 1005,3 | 62,8 | 125,7 | 31,3 | 20 | 19 | 8 | 5,7 | 2 | 7 | 11 | 7 | 18 | 320 | 942,7 | 8 | 2,75 |
| 1SR61S020050H | 2 | 502,7 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 80 | 440,1 | 4 | 2,11 |
| 1SR61S020101H | 2 | 1005,3 | 62,8 | 125,7 | 31,3 | 25 | 24 | 8 | 5,7 | 2 | 7 | 11 | 7 | 22 | 160 | 942,7 | 8 | 4,22 |
| 1SR61S030051H | 3 | 508,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 54 | 440,1 | 4 | 2,97 |
| 1SR61S030102H | 3 | 1017,9 | 63,6 | 127,2 | 34,4 | 30 | 29 | 9 | 7,7 | 2 | 10 | 15 | 9 | 26 | 108 | 949,1 | 8 | 5,96 |
| 1SR61S040050H | 4 | 502,7 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 40 | 433,0 | 4 | 5,33 |
| 1SR61S040101H | 4 | 1005,3 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 80 | 930,3 | 8 | 10,69 |
| 1SR61S040151H | 4 | 1508,0 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 120 | 1433,0 | 12 | 16,05 |
| 1SR61S040201H | 4 | 2010,6 | 62,8 | 125,7 | 37,5 | 40 | 39 | 12 | 7,7 | 3 | 10 | 15 | 9 | 35 | 160 | 1935,6 | 16 | 21,41 |
| 1SR61S050050H | 5 | 502,7 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 32 | 442,5 | 4 | 6,25 |
| 1SR61S050101H | 5 | 1005,3 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 64 | 945,1 | 8 | 12,59 |
| 1SR61S050151H | 5 | 1508,0 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 96 | 1447,8 | 12 | 18,93 |
| 1SR61S050201H | 5 | 2010,6 | 62,8 | 125,7 | 30,1 | 50 | 39 | 12 | 11,7 | 3 | 14 | 20 | 13 | 34 | 128 | 1950,4 | 16 | 25,27 |
| 1SR61S060051H | 6 | 508,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 27 | 446,1 | 4 | 9,41 |
| 1SR61S060102H | 6 | 1017,9 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 54 | 955,1 | 8 | 19,01 |
| 1SR61S060204H | 6 | 2035,8 | 63,6 | 127,2 | 31,4 | 60 | 49 | 16 | 15,7 | 3 | 18 | 26 | 17 | 43 | 108 | 1973,0 | 16 | 38,20 |
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SERIE 170 versione senza fori (stessi codici ma senza H finale) / SERIES 170 not drilled version (same item codes but without the final H)

Dentatura Dritta SERIE 175

Straight tooth system SERIES 175

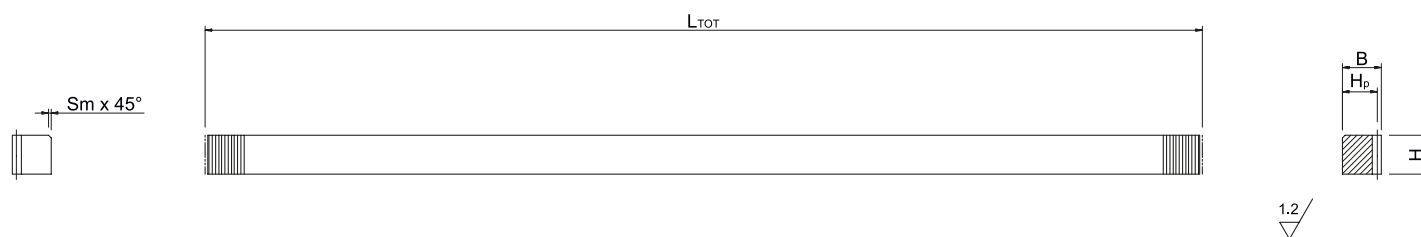
POM



Cremagliere Racks

Materiale / Material: **POM**

Angolo di pressione / Pressure angle: 20°



| CODICE ITEM CODE | 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 | 3,18 | 499,984 | 30 | 30 | 26,82 | 50 |
| 1SR71S031100 | 3,18 | 999,968 | 30 | 30 | 26,82 | 100 |
| 1SR71S040050 | 4 | 502,654 | 40 | 40 | 36 | 40 |
| 1SR71S040101 | 4 | 1005,309 | 40 | 40 | 36 | 80 |
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CREMAGLIERE PER GUIDE LINEARI

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LINEAR GUIDE RACKS

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| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | DENTATURA TOOTH SYSTEM | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---|-------|-----------------------|------------------|---------------------------|-------------------------------|-------------|
| 200H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | 90° | Elicoidale Helical | 1.591_2_3_3.183_4 | 62 |
| 205H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | 90° | Dritta Straight | 1.591_2_3_3.183_4 | 62 |
| 210H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | 180° | Elicoidale Helical | 1.591_2_3_3.183_4 | 63 |
| 215H | 6 | SAE1141 | tempra ad induzione induction-hardened teeth | 56-60 | rettificata ground | 180° | Dritta Straight | 1.591_2_3_3.183_4 | 63 |

CREMAGLIERE TONDE

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| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | FORI DRILLING | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---------------------------------------|-----|-----------------------|------------------|-------------------------------|-------------|
| 240 | 8 | C45E | non incluso not included | - | rettificata ground | NO | 1_1,5_2_2,5_3_4_5_6 | 64 |

DIME DI MONTAGGIO

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| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|--|-------|-----------------------|---------------------------|-------------------------------|-------------|
| 260 | - | C45E | tempra ad induzione + brunitura induction-hardened teeth + burnishing | 55-58 | rettificata ground | Elicoidale Helical | 2_3_4_5_6 | 65 |
| 265 | - | C45E | tempra ad induzione + brunitura induction-hardened teeth + burnishing | 55-58 | rettificata ground | Dritta Straight | 2_3_4_5_6 | 65 |

CREMAGLIERE PER GUIDE LINEARI

LINEAR GUIDE RACKS

Q6 - SAE1141



Cremaagliere Racks

Qualità / Quality: **6**

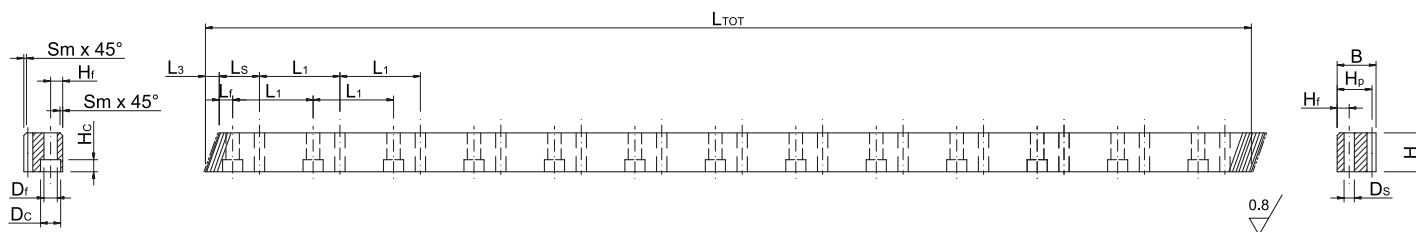
Materiale / Material: **SAE1141**

Superficie: rettificata / Surface: ground

Foratura / Drilling: 90°

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC



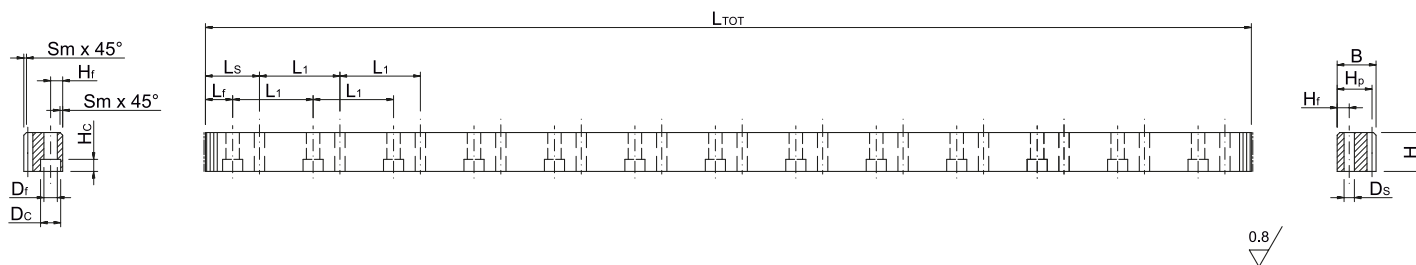
Denti elicoidali: 19° 31' 42" Dx

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

Dentatura Elicoidale SERIE 200H

Helical tooth system SERIES 200H

| CODICE ITEM CODE | M | L TOT | L3 | Z | H | B | Hp | Sm | Lf | L1 | N° fori holes | Hf | Df | Dc | Hc | Ls | Ds |
|------------------|---|-------|-------|-----|----|-------|-------|----|----|----|---------------|------|------|------|-----|----|------|
| 1LGHSR020096R | 2 | 960 | 6,70 | 144 | 19 | 19,50 | 17,50 | 1 | 10 | 60 | 16 | 7,5 | 4,5 | 7,5 | 5,3 | 30 | 4,5 |
| 1LGHSR020048R | 2 | 480 | 6,70 | 72 | 19 | 19,50 | 17,50 | 1 | 10 | 60 | 8 | 7,5 | 4,5 | 7,5 | 5,3 | 30 | 4,5 |
| 1LGHMR020096R | 2 | 960 | 8,50 | 144 | 24 | 24,50 | 22,50 | 1 | 10 | 60 | 16 | 10,0 | 6,0 | 9,5 | 8,5 | 30 | 6,0 |
| 1LGHMR020048R | 2 | 480 | 8,50 | 72 | 24 | 24,50 | 22,50 | 1 | 10 | 60 | 8 | 10,0 | 6,0 | 9,5 | 8,5 | 30 | 6,0 |
| 1LGHMR030096R | 3 | 960 | 10,30 | 96 | 29 | 29,75 | 26,75 | 2 | 10 | 60 | 16 | 11,5 | 7,0 | 11,0 | 9,0 | 30 | 7,0 |
| 1LGHMR030048R | 3 | 480 | 10,30 | 48 | 29 | 29,75 | 26,75 | 2 | 10 | 60 | 8 | 11,5 | 7,0 | 11,0 | 9,0 | 30 | 7,0 |
| 1LGHMR040096R | 4 | 960 | 13,83 | 72 | 39 | 39,75 | 35,75 | 2 | 20 | 80 | 12 | 14,0 | 10,0 | 15,0 | 9,0 | 40 | 10,0 |
| 1LGHMR040048R | 4 | 480 | 13,83 | 36 | 39 | 39,75 | 35,75 | 2 | 20 | 80 | 6 | 14,0 | 10,0 | 15,0 | 9,0 | 40 | 10,0 |
| 1LGHLR040096R | 4 | 960 | 13,83 | 72 | 39 | 48,75 | 44,75 | 2 | 20 | 80 | 12 | 17,0 | 10,0 | 15,0 | 9,0 | 40 | 10,0 |
| 1LGHLR040048R | 4 | 480 | 13,83 | 36 | 39 | 48,75 | 44,75 | 2 | 20 | 80 | 6 | 17,0 | 10,0 | 15,0 | 9,0 | 40 | 10,0 |



Dentatura Dritta SERIE 205H

Straight tooth system SERIES 205H

| CODICE ITEM CODE | M | L TOT | L3 | Z | H | B | Hp | Sm | Lf | L1 | N° fori holes | Hf | Df | Dc | Hc | Ls | Ds |
|------------------|-------|-------|----|-----|----|-------|-------|----|----|----|---------------|------|-----|------|-----|----|-----|
| 1LGMS016096R | 1,591 | 960 | - | 192 | 19 | 19,50 | 17,91 | 1 | 10 | 60 | 16 | 7,5 | 4,5 | 7,5 | 5,3 | 30 | 4,5 |
| 1LGSL016096R | 1,591 | 960 | - | 192 | 24 | 24,50 | 22,91 | 1 | 10 | 60 | 16 | 10,0 | 6,0 | 9,5 | 8,5 | 30 | 6,0 |
| 1LGMS031096R | 3,183 | 960 | - | 96 | 29 | 29,75 | 26,57 | 2 | 10 | 60 | 16 | 11,5 | 7,0 | 11,0 | 9,0 | 30 | 7,0 |

CREMAGLIERE PER GUIDE LINEARI

LINEAR GUIDE RACKS

Q6 - SAE1141



Cremaagliere Racks

Qualità / Quality: **6**

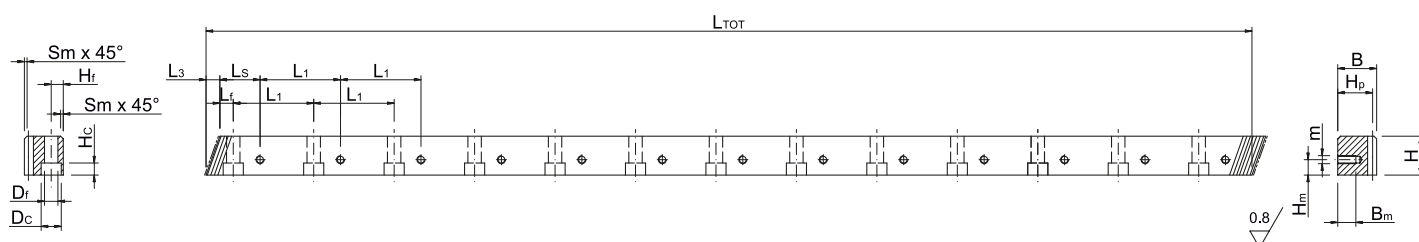
Materiale / Material: **SAE1141**

Superficie: rettificata / Surface: ground

Foratura / Drilling: **180°**

Trattamento termico: denti temprati ad induzione 56-60 HRC

Heat-treatment: induction-hardened teeth 56-60 HRC



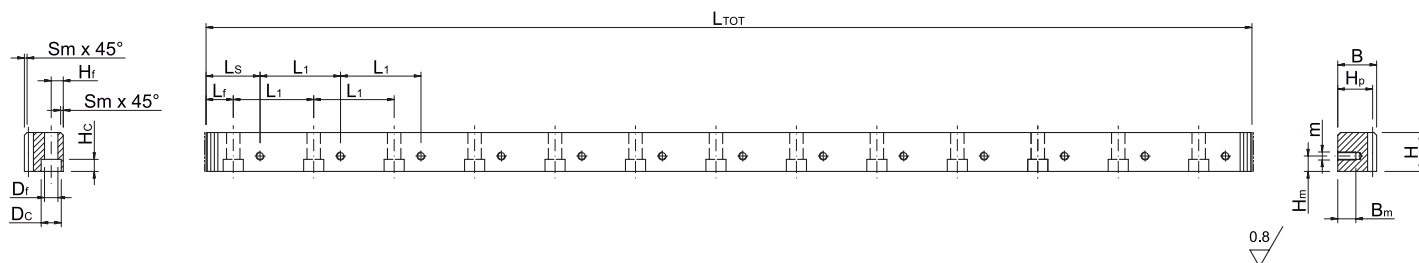
Denti elicoidali: 19° 31' 42" Dx

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

Dentatura Elicoidale SERIE 210H

Helical tooth system SERIES 210H

| CODICE ITEM CODE | M | L TOT | L3 | Z | H | B | Hp | Sm | Lf | L1 | N° fori holes | Hf | Df | Dc | Hc | Ls | Ds | Hm | Bm |
|------------------|---|-------|-------|-----|----|-------|-------|----|----|----|---------------|------|------|----|----|----|----|------|------|
| 1LGHSR020096S | 2 | 960 | 6,70 | 144 | 19 | 19,50 | 17,50 | 1 | 10 | 60 | 16 | 7,5 | 5,8 | 10 | 6 | 30 | M4 | 7,5 | 8,0 |
| 1LGHMR020096S | 2 | 960 | 8,50 | 144 | 24 | 24,50 | 22,50 | 1 | 10 | 60 | 16 | 10,0 | 7,0 | 11 | 7 | 30 | M5 | 10,0 | 11,0 |
| 1LGHMR030096S | 3 | 960 | 10,30 | 96 | 29 | 29,75 | 26,75 | 2 | 10 | 60 | 16 | 11,5 | 10,0 | 15 | 9 | 30 | M6 | 11,5 | 13,5 |
| 1LGHMR040096S | 4 | 960 | 13,83 | 72 | 39 | 39,75 | 35,75 | 2 | 20 | 80 | 12 | 14,0 | 12,0 | 18 | 12 | 40 | M8 | 14,0 | 16,0 |
| 1LGHLR040096S | 4 | 960 | 13,83 | 72 | 39 | 48,75 | 44,75 | 2 | 20 | 80 | 12 | 17,0 | 12,0 | 18 | 12 | 40 | M8 | 17,0 | 16,0 |



Dentatura Dritta SERIE 215H

Straight tooth system SERIES 215H

| CODICE ITEM CODE | M | L TOT | L3 | Z | H | B | Hp | Sm | Lf | L1 | N° fori holes | Hf | Df | DC | Hc | Ls | Ds | Hm | Bm |
|------------------|-------|-------|----|-----|----|-------|-------|----|----|----|---------------|------|------|----|----|----|----|------|------|
| 1LGSMS016096S | 1,591 | 960 | - | 192 | 19 | 19,50 | 17,91 | 1 | 10 | 60 | 16 | 7,5 | 5,8 | 10 | 6 | 30 | M4 | 7,5 | 8,0 |
| 1LGSL016096S | 1,591 | 960 | - | 192 | 24 | 24,50 | 22,91 | 1 | 10 | 60 | 16 | 10,0 | 7,0 | 11 | 7 | 30 | M5 | 10,0 | 11,0 |
| 1LGSMS031096S | 3,183 | 960 | - | 96 | 29 | 29,75 | 26,57 | 2 | 10 | 60 | 16 | 11,5 | 10,0 | 15 | 9 | 30 | M6 | 11,5 | 13,5 |

CREMAGLIERE TONDE SERIE 240

Q8 - C45E

ROUND RACKS SERIES 240

Cremagliere Racks

Dentatura Dritta

Qualità / Quality: **8**

Materiale: **C45E RETTIFICATO h7**

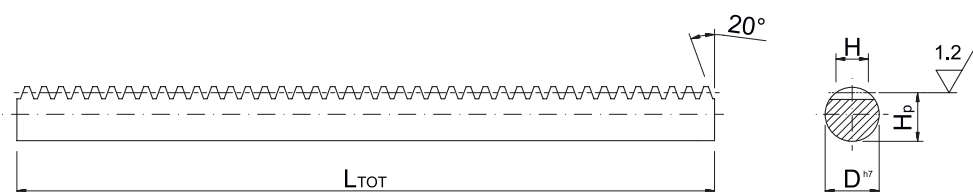
Material: **C45E GROUND IN h7**

Straight tooth system

Superficie: rettificata / Surface: ground

Trattamento termico: non incluso

Heat-treatment: not included



| CODICE ITEM CODE | M | L TOT | D | H _p | H | PESO kg |
|------------------|-----|-------|----|----------------|----|---------|
| 1RR18S010050 | 1 | 500 | 10 | 9,00 | 6 | 0,28 |
| 1RR18S010100 | 1 | 1000 | 10 | 9,00 | 6 | 0,56 |
| 1RR18S015050 | 1,5 | 500 | 15 | 13,50 | 9 | 0,64 |
| 1RR18S015100 | 1,5 | 1000 | 15 | 13,50 | 9 | 1,27 |
| 1RR18S020050 | 2 | 500 | 20 | 18,00 | 12 | 1,14 |
| 1RR18S020100 | 2 | 1000 | 20 | 18,00 | 12 | 2,27 |
| 1RR18S020200 | 2 | 2000 | 20 | 18,00 | 12 | 4,54 |
| 1RR18S025050 | 2,5 | 500 | 25 | 22,50 | 15 | 1,77 |
| 1RR18S025100 | 2,5 | 1000 | 25 | 22,50 | 15 | 3,54 |
| 1RR18S025200 | 2,5 | 2000 | 25 | 22,50 | 15 | 7,08 |
| 1RR18S030050 | 3 | 500 | 30 | 27,00 | 18 | 2,6 |
| 1RR18S030100 | 3 | 1000 | 30 | 27,00 | 18 | 5,1 |
| 1RR18S030200 | 3 | 2000 | 30 | 27,00 | 18 | 10,2 |
| 1RR18S030300 | 3 | 3000 | 30 | 27,00 | 18 | 15,3 |
| 1RR18S040050 | 4 | 500 | 40 | 36,00 | 24 | 4,6 |
| 1RR18S040100 | 4 | 1000 | 40 | 36,00 | 24 | 9,1 |
| 1RR18S040200 | 4 | 2000 | 40 | 36,00 | 24 | 18,2 |
| 1RR18S040300 | 4 | 3000 | 40 | 36,00 | 24 | 27,3 |
| 1RR18S050050 | 5 | 500 | 50 | 45,00 | 30 | 7 |
| 1RR18S050100 | 5 | 1000 | 50 | 45,00 | 30 | 14 |
| 1RR18S050200 | 5 | 2000 | 50 | 45,00 | 30 | 28 |
| 1RR18S050300 | 5 | 3000 | 50 | 45,00 | 30 | 42 |
| 1RR18S060050 | 6 | 500 | 60 | 54,00 | 36 | 10,25 |
| 1RR18S060100 | 6 | 1000 | 60 | 54,00 | 36 | 20,5 |
| 1RR18S060200 | 6 | 2000 | 60 | 54,00 | 36 | 41 |
| 1RR18S060300 | 6 | 3000 | 60 | 54,00 | 36 | 61,5 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

DIME DI MONTAGGIO
MOUNTING TEMPLATES

C45E



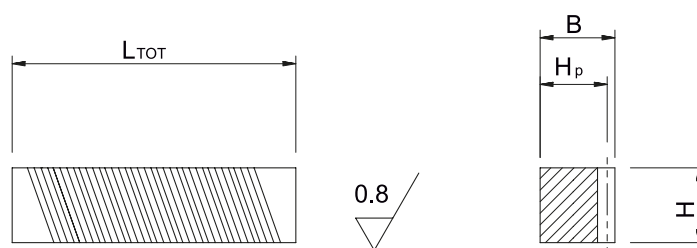
Crema gliere Racks

Materiale / Material: **C45E**

Superficie: rettificata / Surface: ground

Trattamento termico: tempra ad induzione + brunitura

Heat-treatment: induction hardened teeth + burnishing



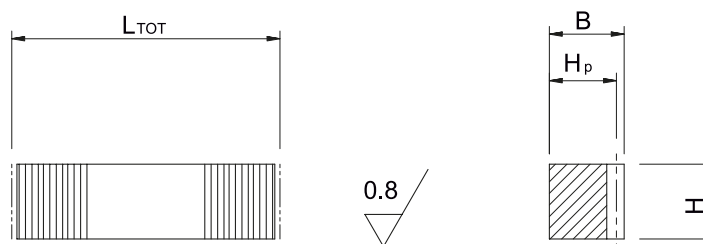
Denti elicoidali: 19° 31' 42" Sx

Helical tooth system: 19° 31' 42" Left-hand

Dentatura Elicoidale SERIE 260

Helical tooth system SERIES 260

| CODICE ITEM CODE | M | L TOT | H | B | Z | fp | Fp |
|------------------|---|--------|----|----|----|-------|-------|
| 1MR16L020011 | 2 | 110,00 | 24 | 24 | 15 | 0,004 | 0,015 |
| 1MR16L030011 | 3 | 110,00 | 29 | 29 | 9 | 0,004 | 0,015 |
| 1MR16L040011 | 4 | 110,00 | 39 | 39 | 7 | 0,003 | 0,010 |
| 1MR16L050011 | 5 | 110,00 | 49 | 39 | 7 | 0,003 | 0,010 |
| 1MR16L060011 | 6 | 110,00 | 59 | 49 | 7 | 0,003 | 0,010 |
| | | | | | | | |
| | | | | | | | |



Dentatura Dritta SERIE 265

Straight tooth system SERIES 265

| CODICE ITEM CODE | M | L TOT | H | B | Z | fp | Fp |
|------------------|---|--------|----|----|----|-------|-------|
| 1MR16S020010 | 2 | 100,00 | 24 | 24 | 15 | 0,004 | 0,015 |
| 1MR16S030009 | 3 | 90,00 | 29 | 29 | 9 | 0,004 | 0,015 |
| 1MR16S040009 | 4 | 90,00 | 39 | 39 | 7 | 0,003 | 0,010 |
| 1MR16S050008 | 5 | 80,00 | 49 | 39 | 7 | 0,003 | 0,010 |
| 1MR16S060008 | 6 | 80,00 | 59 | 49 | 7 | 0,003 | 0,010 |
| | | | | | | | |
| | | | | | | | |

INGRANAGGI A DENTI ELICOIDALI

Indice

HELICAL GEARS

Index



| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | MOZZO HUB | MODULI DISPONIBILI MODULI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---|-------|------------------------------------|----------------|--------------------------------------|-------------|
| 300 | 5e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 68 |
| 305 | 5e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 69 |
| 310 | 5e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 70 |
| 315 | 5e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 71 |
| 320 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 72 |
| 325 | 6e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 73 |
| 330 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 74 |
| 335 | 6e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 75 |
| 340 | 7e25 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 76 |
| 345 | 7e25 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 77 |
| 350 | 7e25 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 78 |
| 355 | 7e25 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 79 |
| 360 | 9e25 | C45E | non incluso not included | - | finito di utensile milled teeth | corto short | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 80 |
| 365 | 9e25 | C45E | non incluso not included | - | finito di utensile milled teeth | lungo long | 1.5_2_2.5_3_3.183_4_5_6_8_10 | 81 |

Dentatura Elicoidale SERIE 300

Helical tooth system SERIES 300

Q5 - 20MnCr5

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **5e24** - Materiale / Material: **20MnCr5**

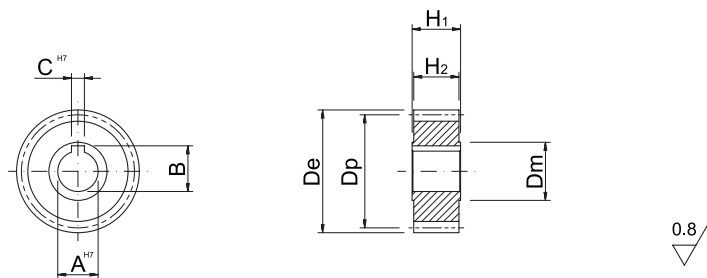
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG35L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG35L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG35L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG35L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG35L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG35L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG35L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG35L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG35L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG35L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG35L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG35L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG35L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG35L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG35L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG35L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG35L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG35L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG35L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG35L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG35L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG35L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG35L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG35L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG35L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG35L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG35L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG35L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG35L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 305

Helical tooth system SERIES 305

Q5 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **5e24** - Materiale / Material: **C45E**

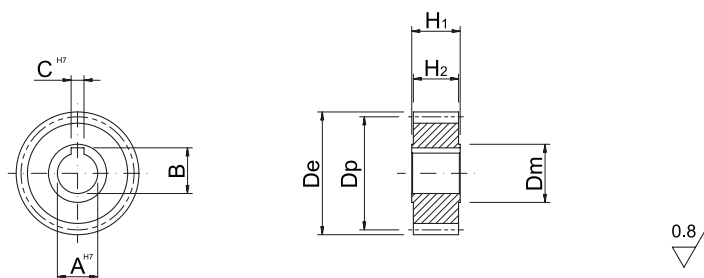
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG15L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG15L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG15L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG15L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG15L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG15L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG15L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG15L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG15L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG15L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG15L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG15L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG15L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG15L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG15L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG15L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG15L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG15L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG15L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG15L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG15L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG15L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG15L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG15L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG15L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG15L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG15L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG15L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG15L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 310

Helical tooth system SERIES 310

Q5 - 20MnCr5

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **5e24** - Materiale / Material: **20MnCr5**

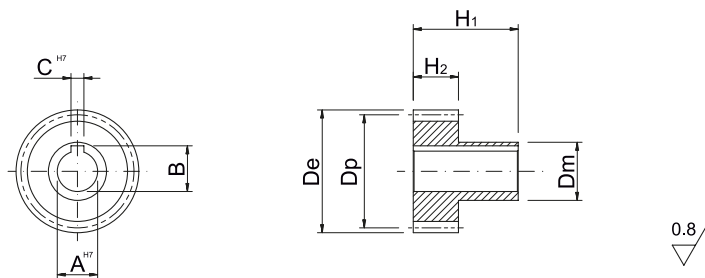
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG35L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG35L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG35L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG35L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG35L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG35L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG35L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG35L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG35L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG35L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG35L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG35L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG35L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG35L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG35L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG35L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG35L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG35L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG35L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG35L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG35L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG35L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG35L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG35L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG35L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG35L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG35L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG35L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG35L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |



Dentatura Elicoidale SERIE 315

Helical tooth system SERIES 315

Q5 - C45E

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **5e24** - Materiale / Material: **C45E**

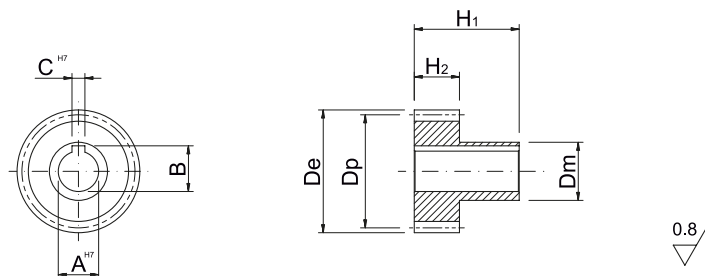
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG15L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG15L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG15L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG15L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG15L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG15L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG15L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG15L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG15L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG15L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG15L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG15L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG15L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG15L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG15L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG15L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG15L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG15L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG15L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG15L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG15L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG15L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG15L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG15L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG15L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG15L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG15L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG15L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG15L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Elicoidale SERIE 320

Helical tooth system SERIES 320

Q6 - 20MnCr5

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **6e24** - Materiale / Material: **20MnCr5**

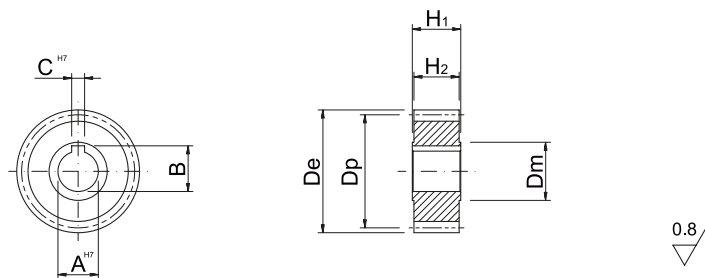
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG36L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG36L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG36L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG36L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG36L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG36L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG36L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG36L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG36L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG36L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG36L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG36L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG36L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG36L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG36L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG36L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG36L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG36L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG36L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG36L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG36L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG36L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG36L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG36L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG36L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG36L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG36L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG36L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG36L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 325

Helical tooth system SERIES 325

Q6 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **6e24** - Materiale / Material: **C45E**

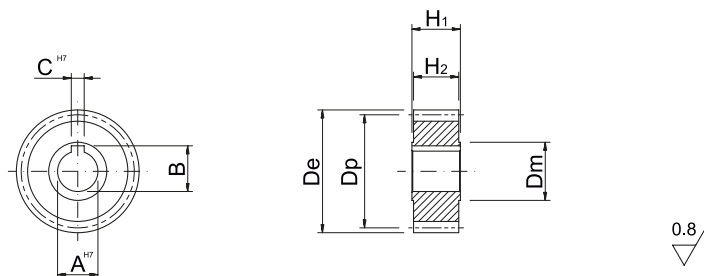
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG16L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG16L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG16L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG16L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG16L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG16L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG16L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG16L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG16L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG16L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG16L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG16L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG16L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG16L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG16L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG16L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG16L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG16L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG16L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG16L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG16L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG16L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG16L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG16L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG16L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG16L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG16L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG16L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG16L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 330

Helical tooth system SERIES 330

Q6 - 20MnCr5

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **6e24** - Materiale / Material: **20MnCr5**

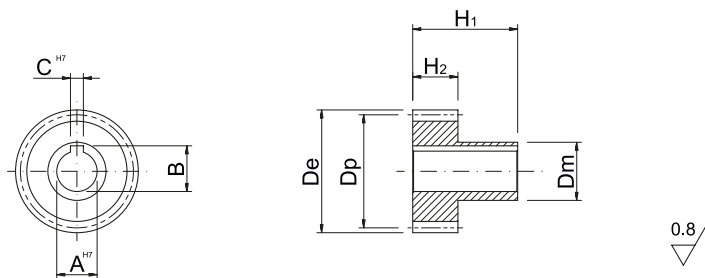
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG36L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG36L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG36L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG36L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG36L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG36L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG36L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG36L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG36L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG36L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG36L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG36L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG36L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG36L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG36L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG36L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG36L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG36L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG36L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG36L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG36L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG36L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG36L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG36L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG36L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG36L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG36L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG36L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG36L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Elicoidale SERIE 335

Helical tooth system SERIES 335

Q6 - C45E

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **6e24** - Materiale / Material: **C45E**

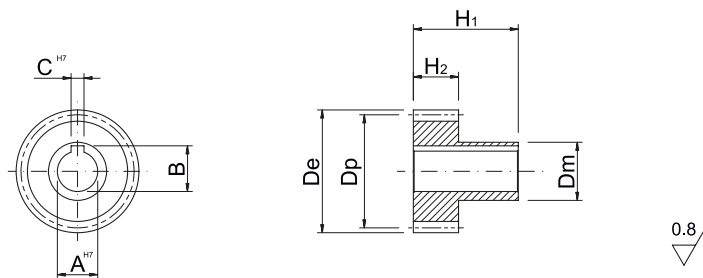
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG16L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG16L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG16L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG16L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG16L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG16L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG16L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG16L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG16L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG16L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG16L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG16L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG16L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG16L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG16L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG16L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG16L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG16L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG16L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG16L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG16L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG16L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG16L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG16L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG16L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG16L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG16L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG16L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG16L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Elicoidale SERIE 340

Helical tooth system SERIES 340

Q7 - 20MnCr5

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **7e25** - Materiale / Material: **20MnCr5**

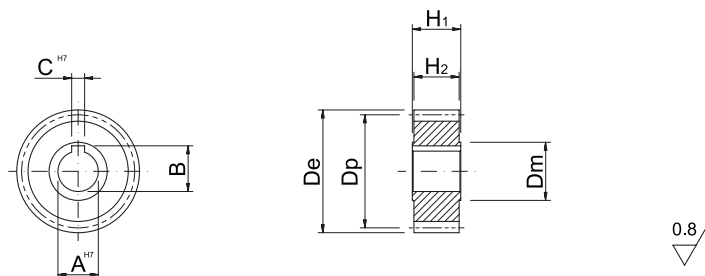
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG37L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG37L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG37L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG37L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG37L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG37L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG37L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG37L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG37L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG37L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG37L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG37L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG37L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG37L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG37L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG37L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG37L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG37L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG37L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG37L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG37L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG37L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG37L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG37L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG37L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG37L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG37L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG37L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG37L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 345

Helical tooth system SERIES 345

Q7 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **7e25** - Materiale / Material: **C45E**

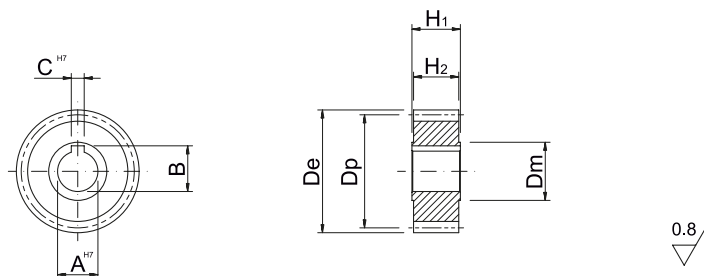
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG17L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG17L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG17L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG17L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG17L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG17L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG17L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG17L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG17L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG17L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG17L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG17L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG17L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG17L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG17L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG17L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG17L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG17L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG17L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG17L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG17L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG17L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG17L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG17L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG17L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG17L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG17L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG17L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG17L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 350

Helical tooth system SERIES 350

Q7 - 20MnCr5

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **7e25** - Materiale / Material: **20MnCr5**

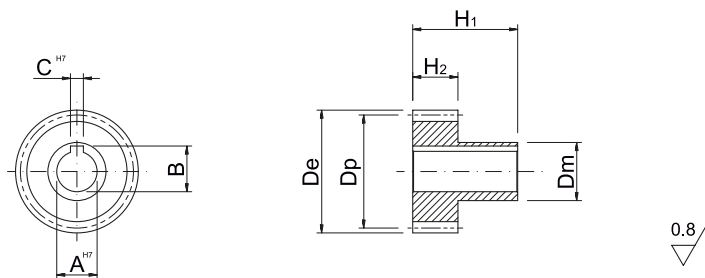
Trattamento termico: cementazione 60 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG37L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG37L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG37L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG37L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG37L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG37L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG37L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG37L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG37L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG37L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG37L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG37L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG37L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG37L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG37L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG37L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG37L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG37L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG37L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG37L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG37L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG37L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG37L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG37L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG37L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG37L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG37L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG37L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG37L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |



Dentatura Elicoidale SERIE 355

Helical tooth system SERIES 355

Q7 - C45E

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **7e25** - Materiale / Material: **C45E**

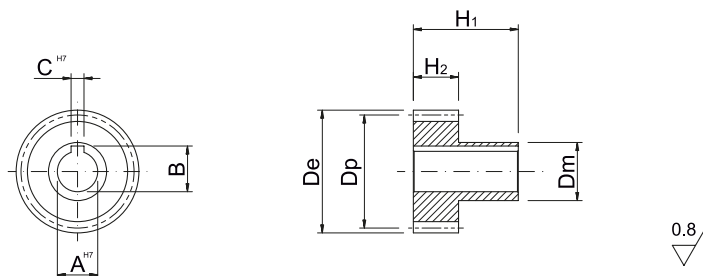
Trattamento termico: denti temprati ad induzione 55-58 HRC

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG17L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG17L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG17L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG17L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG17L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG17L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG17L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG17L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG17L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG17L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG17L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG17L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG17L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG17L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG17L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG17L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG17L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG17L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG17L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG17L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG17L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG17L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG17L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG17L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG17L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG17L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG17L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG17L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG17L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Elicoidale SERIE 360

Helical tooth system SERIES 360

Q9 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **9e25** - Materiale / Material: **C45E**

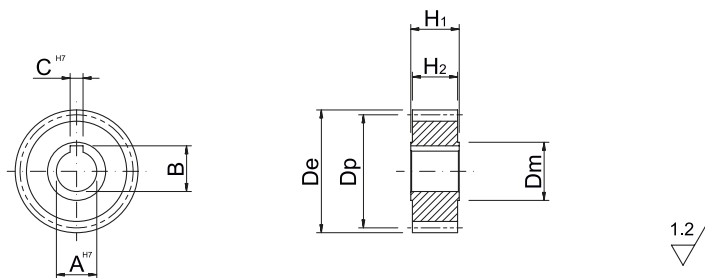
Trattamento termico: non incluso

Heat-treatment: not included

Denti elicoidali: 19° 31' 42'' Sx

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

Superficie: finitura di utensile / milled teeth



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG19L015016S | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1HG19L015018S | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1HG19L015020S | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1HG19L015024S | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1HG19L015030S | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1HG19L015040S | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1HG19L020016S | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1HG19L020018S | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1HG19L020020S | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG19L020022S | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L020024S | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L020030S | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L020040S | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG19L025024S | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L030020S | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG19L030022S | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L030024S | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L030040S | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1HG19L031020S | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1HG19L031022S | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L031024S | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L031030S | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1HG19L040020S | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG19L040025S | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG19L040030S | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG19L040032S | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1HG19L050020S | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG19L050024S | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG19L050025S | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG19L050030S | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1HG19L060020S | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG19L060021S | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG19L060024S | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG19L060025S | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG19L060030S | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1HG19L080020S | 8 | 20 | 185,76 | 169,76 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1HG19L100020S | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Elicoidale SERIE 365

Helical tooth system SERIES 365

Q9 - C45E

Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **9e25** - Materiale / Material: **C45E**

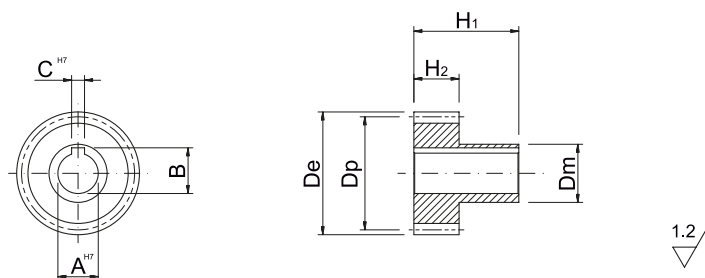
Trattamento termico: non incluso

Heat-treatment: not included

Denti elicoidali: 19° 31' 42'' Sx

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

Superficie: finitura di utensile / milled teeth



1.2

| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|--------|-----|------|-----|-----|-----|------|
| 1HG19L015016L | 1,5 | 16 | 28,46 | 25,46 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1HG19L015018L | 1,5 | 18 | 31,64 | 28,64 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1HG19L015020L | 1,5 | 20 | 34,83 | 31,83 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1HG19L015024L | 1,5 | 24 | 41,19 | 38,19 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1HG19L015030L | 1,5 | 30 | 50,74 | 47,74 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1HG19L015040L | 1,5 | 40 | 66,66 | 63,66 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1HG19L020016L | 2 | 16 | 37,95 | 33,95 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1HG19L020018L | 2 | 18 | 42,20 | 38,20 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1HG19L020020L | 2 | 20 | 46,44 | 42,44 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG19L020022L | 2 | 22 | 50,69 | 46,69 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L020024L | 2 | 24 | 54,93 | 50,93 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L020030L | 2 | 30 | 67,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L020040L | 2 | 40 | 88,88 | 84,88 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG19L025024L | 2,5 | 24 | 68,66 | 63,66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L030020L | 3 | 20 | 69,66 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG19L030022L | 3 | 22 | 76,03 | 70,03 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L030024L | 3 | 24 | 82,39 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L030040L | 3 | 40 | 133,32 | 127,32 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1HG19L031020L | 3,183 | 20 | 73,91 | 67,55 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1HG19L031022L | 3,183 | 22 | 80,67 | 74,30 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L031024L | 3,183 | 24 | 87,42 | 81,05 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L031030L | 3,183 | 30 | 107,68 | 101,32 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1HG19L040020L | 4 | 20 | 92,88 | 84,88 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG19L040025L | 4 | 25 | 114,10 | 106,10 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG19L040030L | 4 | 30 | 135,32 | 127,32 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG19L040032L | 4 | 32 | 143,81 | 135,81 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1HG19L050020L | 5 | 20 | 116,10 | 106,10 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG19L050024L | 5 | 24 | 137,32 | 127,32 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG19L050025L | 5 | 25 | 142,63 | 132,63 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG19L050030L | 5 | 30 | 169,15 | 159,15 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1HG19L060020L | 6 | 20 | 139,32 | 127,32 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG19L060021L | 6 | 21 | 145,69 | 133,69 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG19L060024L | 6 | 24 | 164,79 | 152,79 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG19L060025L | 6 | 25 | 171,15 | 159,15 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG19L060030L | 6 | 30 | 202,99 | 190,99 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1HG19L080020L | 8 | 20 | 185,77 | 169,77 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1HG19L100020L | 10 | 20 | 232,21 | 212,21 | 22 | 90,4 | 85 | 100 | 165 | 125 |

INGRANAGGI A DENTI DRITTI

Indice

STRAIGHT GEARS

Index



| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | MOZZO HUB | MODULI DISPONIBILI MODULI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---|-------|------------------------------------|----------------|--------------------------------------|-------------|
| 400 | 5e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 84 |
| 405 | 5e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 85 |
| 410 | 5e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 86 |
| 415 | 5e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 87 |
| 420 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 88 |
| 425 | 6e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 89 |
| 430 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 90 |
| 435 | 6e24 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 91 |
| 440 | 7e25 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 92 |
| 445 | 7e25 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 93 |
| 450 | 7e25 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 94 |
| 455 | 7e25 | C45E | tempra ad induzione induction-hardened teeth | 55-58 | rettificata ground | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 95 |
| 460 | 9e25 | C45E | non incluso not included | - | finito di utensile milled teeth | corto short | 1.5_2_3_3.183_4_5_6_8_10 | 96 |
| 465 | 9e25 | C45E | non incluso not included | - | finito di utensile milled teeth | lungo long | 1.5_2_3_3.183_4_5_6_8_10 | 97 |

Dentatura Dritta SERIE 400
Straight tooth system SERIES 400

Q5 - 20MnCr5
Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **5e24**

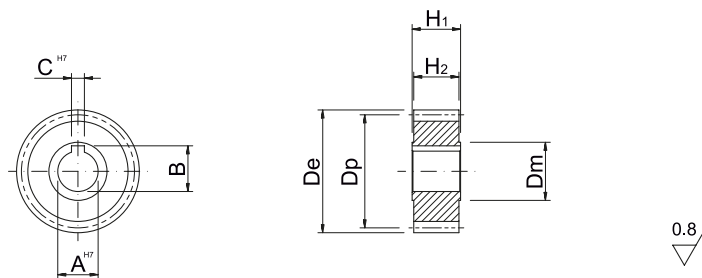
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG35S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG35S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1SG35S015020S | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1SG35S015024S | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1SG35S015030S | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1SG35S015040S | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1SG35S020016S | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG35S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1SG35S020020S | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG35S020022S | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S020024S | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S020030S | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S020040S | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG35S030020S | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG35S030022S | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S030024S | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S030040S | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG35S031020S | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG35S031022S | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S031024S | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S031030S | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG35S040020S | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG35S040025S | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG35S040030S | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG35S040032S | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG35S050020S | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG35S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG35S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG35S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG35S060020S | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG35S060021S | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG35S060024S | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG35S060025S | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG35S060030S | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG35S080020S | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1SG35S100020S | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Dritta SERIE 405
Straight tooth system SERIES 405

Q5 - C45E
Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **5e24**

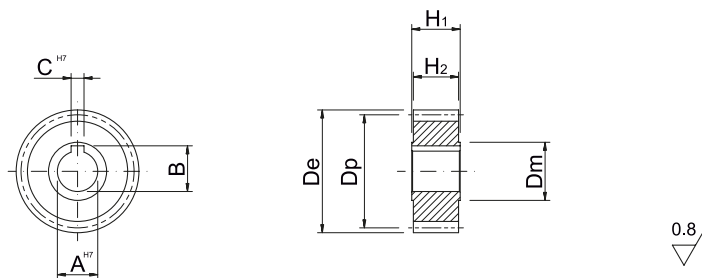
Materiale / Material: **C45E**

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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG15S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG15S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1SG15S015020S | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1SG15S015024S | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1SG15S015030S | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1SG15S015040S | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1SG15S020016S | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG15S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1SG15S020020S | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG15S020022S | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S020024S | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S020030S | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S020040S | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG15S030020S | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG15S030022S | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S030024S | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S030040S | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG15S031020S | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG15S031022S | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S031024S | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S031030S | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG15S040020S | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG15S040025S | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG15S040030S | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG15S040032S | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG15S050020S | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG15S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG15S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG15S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG15S060020S | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG15S060021S | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG15S060024S | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG15S060025S | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG15S060030S | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG15S080020S | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1SG15S100020S | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Dritta SERIE 410
Straight tooth system SERIES 410

Q5 - 20MnCr5
Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **5e24**

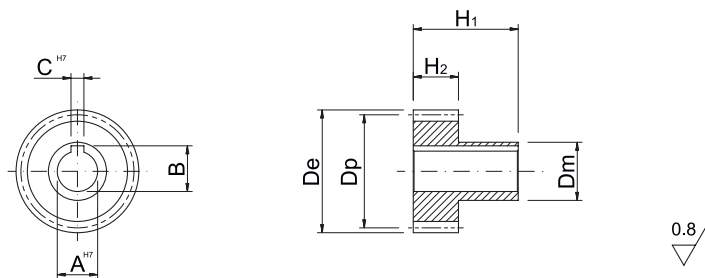
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG35S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG35S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1SG35S015020L | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1SG35S015024L | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1SG35S015030L | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1SG35S015040L | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1SG35S020016L | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG35S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1SG35S020020L | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG35S020022L | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S020024L | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S020030L | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S020040L | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG35S030020L | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG35S030022L | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S030024L | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S030040L | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG35S031020L | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG35S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S031030L | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG35S040020L | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG35S040025L | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG35S040030L | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG35S040032L | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG35S050020L | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG35S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG35S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG35S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG35S060020L | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG35S060021L | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG35S060024L | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG35S060025L | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG35S060030L | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG35S080020L | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1SG35S100020L | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Dritta SERIE 415

Straight tooth system SERIES 415

Q5 - C45E

MoZZo Lungo Long Hub



Ingranaggi Gears

 Qualità / Quality: **5e24**

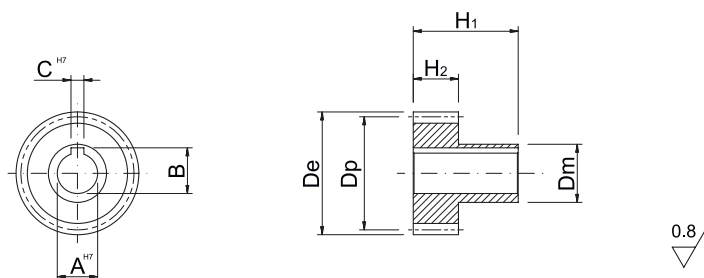
 Materiale / Material: **C45E**

 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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG15S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG15S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1SG15S015020L | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1SG15S015024L | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1SG15S015030L | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1SG15S015040L | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1SG15S020016L | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG15S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1SG15S020020L | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG15S020022L | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S020024L | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S020030L | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S020040L | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG15S030020L | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG15S030022L | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S030024L | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S030040L | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG15S031020L | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG15S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S031030L | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG15S040020L | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG15S040025L | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG15S040030L | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG15S040032L | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG15S050020L | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG15S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG15S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG15S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG15S060020L | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG15S060021L | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG15S060024L | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG15S060025L | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG15S060030L | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG15S080020L | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1SG15S100020L | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Dritta SERIE 420
Straight tooth system SERIES 420

Q6 - 20MnCr5
Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **6e24**

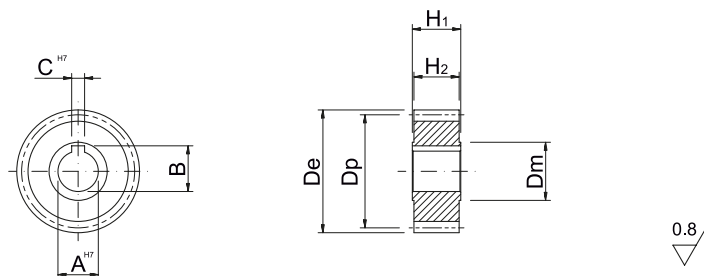
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG36S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG36S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 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 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG36S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 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 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG36S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG36S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG36S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 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 425

Straight tooth system SERIES 425

Q6 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

 Qualità / Quality: **6e24**

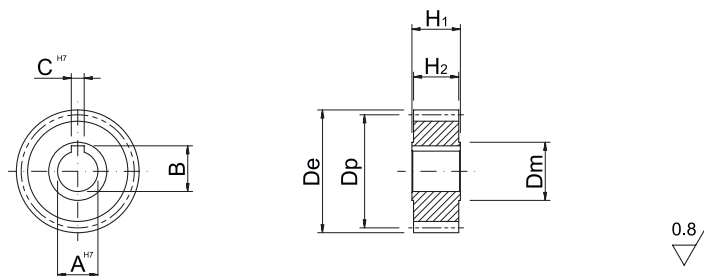
 Materiale / Material: **C45E**

 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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG16S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG16S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 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 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG16S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 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 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG16S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG16S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG16S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 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 430
Straight tooth system SERIES 430

Q6 - 20MnCr5
Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **6e24**

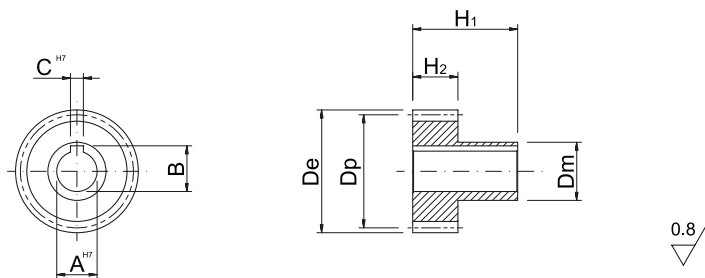
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG36S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG36S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 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 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG36S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 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 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG36S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG36S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG36S031030L | 3,183 | 30 | 101,85 | 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 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG36S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG36S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG36S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 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 435

Straight tooth system SERIES 435

Q6 - C45E

MoZZo Lungo Long Hub



Ingranaggi Gears

 Qualità / Quality: **6e24**

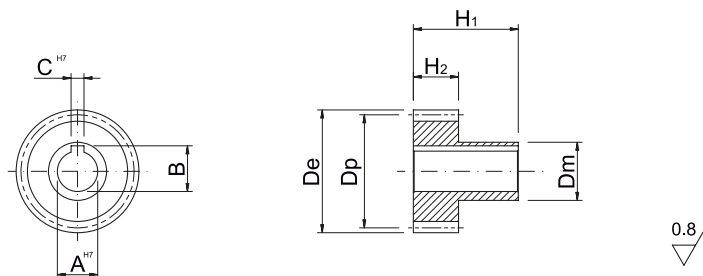
 Materiale / Material: **C45E**

 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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG16S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG16S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 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 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG16S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 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 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG16S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG16S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG16S031030L | 3,183 | 30 | 101,85 | 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 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG16S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG16S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG16S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 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 |

Dentatura Dritta SERIE 440
Straight tooth system SERIES 440

Q7 - 20MnCr5
Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **7e25**

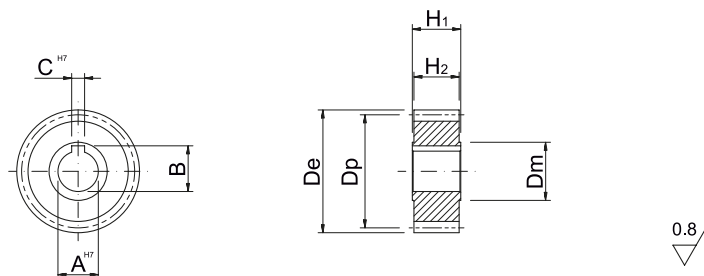
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG37S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG37S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1SG37S015020S | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1SG37S015024S | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1SG37S015030S | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1SG37S015040S | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1SG37S020016S | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG37S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1SG37S020020S | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG37S020022S | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S020024S | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S020030S | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S020040S | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG37S030020S | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG37S030022S | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S030024S | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S030040S | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG37S031020S | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG37S031022S | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S031024S | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S031030S | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG37S040020S | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG37S040025S | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG37S040030S | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG37S040032S | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG37S050020S | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG37S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG37S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG37S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG37S060020S | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG37S060021S | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG37S060024S | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG37S060025S | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG37S060030S | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG37S080020S | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1SG37S100020S | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Dritta SERIE 445

Straight tooth system SERIES 445

Q7 - C45E

Mozzo Corto Short Hub



Ingranaggi Gears

 Qualità / Quality: **7e25**

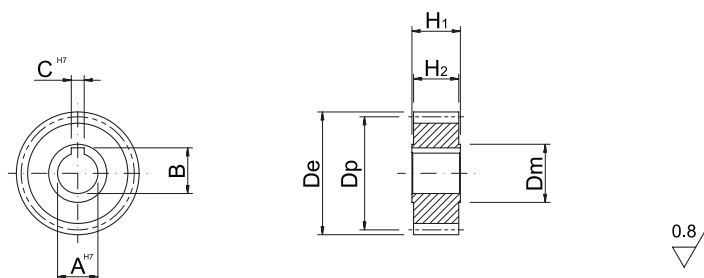
 Materiale / Material: **C45E**

 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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG17S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG17S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1SG17S015020S | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1SG17S015024S | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1SG17S015030S | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1SG17S015040S | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1SG17S020016S | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG17S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1SG17S020020S | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG17S020022S | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S020024S | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S020030S | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S020040S | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG17S030020S | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG17S030022S | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S030024S | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S030040S | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG17S031020S | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG17S031022S | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S031024S | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S031030S | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG17S040020S | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG17S040025S | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG17S040030S | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG17S040032S | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG17S050020S | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG17S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG17S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG17S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG17S060020S | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG17S060021S | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG17S060024S | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG17S060025S | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG17S060030S | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG17S080020S | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1SG17S100020S | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Dritta SERIE 450
Straight tooth system SERIES 450

Q7 - 20MnCr5
Mozzo Lungo Long Hub



Ingranaggi Gears

Qualità / Quality: **7e25**

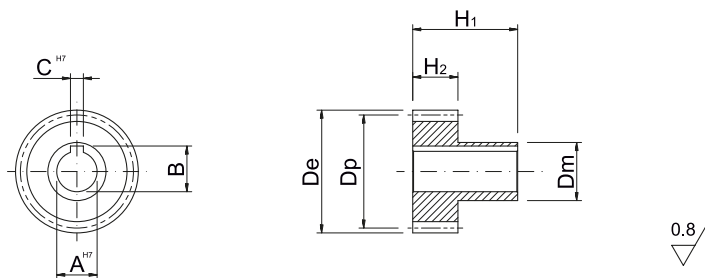
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG37S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG37S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1SG37S015020L | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1SG37S015024L | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1SG37S015030L | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1SG37S015040L | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1SG37S020016L | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG37S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1SG37S020020L | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG37S020022L | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S020024L | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S020030L | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S020040L | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG37S030020L | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG37S030022L | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S030024L | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S030040L | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG37S031020L | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG37S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S031030L | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG37S040020L | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG37S040025L | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG37S040030L | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG37S040032L | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG37S050020L | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG37S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG37S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG37S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG37S060020L | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG37S060021L | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG37S060024L | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG37S060025L | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG37S060030L | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG37S080020L | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1SG37S100020L | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Dritta SERIE 455

Straight tooth system SERIES 455

Q7 - C45E

Mozzo Lungo Long Hub



Ingranaggi Gears

 Qualità / Quality: **7e25**

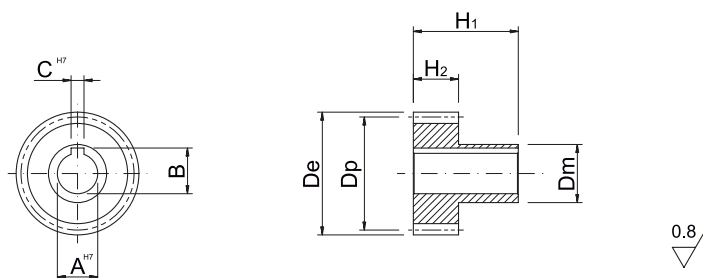
 Materiale / Material: **C45E**

 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 ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG17S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG17S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1SG17S015020L | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1SG17S015024L | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1SG17S015030L | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1SG17S015040L | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1SG17S020016L | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG17S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1SG17S020020L | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG17S020022L | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S020024L | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S020030L | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S020040L | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG17S030020L | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG17S030022L | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S030024L | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S030040L | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG17S031020L | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG17S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S031030L | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG17S040020L | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG17S040025L | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG17S040030L | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG17S040032L | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG17S050020L | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG17S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG17S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG17S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG17S060020L | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG17S060021L | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG17S060024L | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG17S060025L | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG17S060030L | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG17S080020L | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1SG17S100020L | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 165 | 125 |

Dentatura Dritta SERIE 460
Straight tooth system SERIES 460

Q9 - C45E
Mozzo Corto Short Hub



Ingranaggi Gears

Qualità / Quality: **9e25**

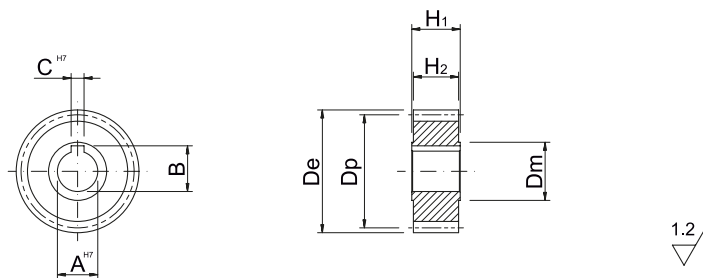
Materiale / Material: **C45E**

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

Superficie: finitura di utensile / Surface: milled teeth

Trattamento termico: non incluso

Heat-treatment: not included



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG19S015016S | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 30 | 20 |
| 1SG19S015018S | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 30 | 22 |
| 1SG19S015020S | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 30 | 25 |
| 1SG19S015024S | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 30 | 32 |
| 1SG19S015030S | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 30 | 40 |
| 1SG19S015040S | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 30 | 58 |
| 1SG19S020016S | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 30 | 25 |
| 1SG19S020018S | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 30 | 30 |
| 1SG19S020020S | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG19S020022S | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S020024S | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S020030S | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S020040S | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG19S030020S | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG19S030022S | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S030024S | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S030040S | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 30 | 62 |
| 1SG19S031020S | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 30 | 30 |
| 1SG19S031022S | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S031024S | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S031030S | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 30 | 36 |
| 1SG19S040020S | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG19S040025S | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG19S040030S | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG19S040032S | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 50 | 55 |
| 1SG19S050020S | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG19S050024S | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG19S050025S | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG19S050030S | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 60 | 68 |
| 1SG19S060020S | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG19S060021S | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG19S060024S | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG19S060025S | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG19S060030S | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 70 | 80 |
| 1SG19S080020S | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 100 | 110 |
| 1SG19S100020S | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 120 | 125 |

Dentatura Dritta SERIE 465

Straight tooth system SERIES 465

Q9 - C45E

MoZZo Lungo Long Hub



Ingranaggi Gears

 Qualità / Quality: **9e25**

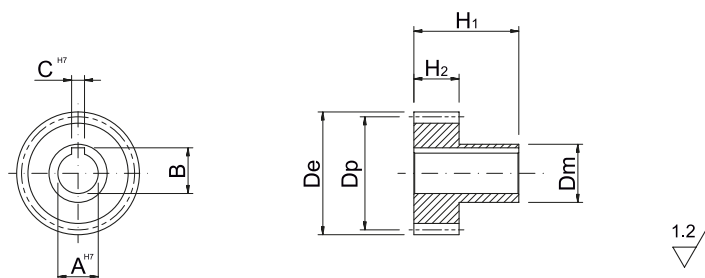
 Materiale / Material: **C45E**

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

Superficie: finitura di utensile / Surface: milled teeth

Trattamento termico: non incluso

Heat-treatment: not included



| CODICE ITEM CODE | M | Z | De | Dp | CH7 | B | AH7 | H2 | H1 | Dmh8 |
|------------------|-------|----|--------|-------|-----|------|-----|-----|-----|------|
| 1SG19S015016L | 1,5 | 16 | 27 | 24 | 5 | 17,3 | 15 | 28 | 65 | 20 |
| 1SG19S015018L | 1,5 | 18 | 30 | 27 | 5 | 17,3 | 15 | 28 | 65 | 22 |
| 1SG19S015020L | 1,5 | 20 | 33 | 30 | 6 | 22,8 | 20 | 28 | 65 | 25 |
| 1SG19S015024L | 1,5 | 24 | 39 | 36 | 8 | 28,3 | 25 | 28 | 65 | 32 |
| 1SG19S015030L | 1,5 | 30 | 48 | 45 | 8 | 28,3 | 25 | 28 | 65 | 40 |
| 1SG19S015040L | 1,5 | 40 | 63 | 60 | 12 | 43,3 | 40 | 28 | 65 | 58 |
| 1SG19S020016L | 2 | 16 | 36 | 32 | 5 | 17,3 | 15 | 28 | 65 | 25 |
| 1SG19S020018L | 2 | 18 | 40 | 36 | 5 | 17,3 | 15 | 28 | 65 | 30 |
| 1SG19S020020L | 2 | 20 | 44 | 40 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG19S020022L | 2 | 22 | 48 | 44 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S020024L | 2 | 24 | 52 | 48 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S020030L | 2 | 30 | 64 | 60 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S020040L | 2 | 40 | 84 | 80 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG19S030020L | 3 | 20 | 66 | 60 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG19S030022L | 3 | 22 | 72 | 66 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S030024L | 3 | 24 | 78 | 72 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S030040L | 3 | 40 | 126 | 120 | 12 | 43,3 | 40 | 28 | 65 | 62 |
| 1SG19S031020L | 3,183 | 20 | 70,02 | 63,66 | 6 | 22,8 | 20 | 28 | 65 | 30 |
| 1SG19S031022L | 3,183 | 22 | 76,39 | 70,02 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S031024L | 3,183 | 24 | 82,75 | 76,39 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S031030L | 3,183 | 30 | 101,85 | 95,49 | 8 | 28,3 | 25 | 28 | 65 | 36 |
| 1SG19S040020L | 4 | 20 | 88 | 80 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG19S040025L | 4 | 25 | 108 | 100 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG19S040030L | 4 | 30 | 128 | 120 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG19S040032L | 4 | 32 | 136 | 128 | 10 | 38,3 | 35 | 40 | 75 | 55 |
| 1SG19S050020L | 5 | 20 | 110 | 100 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG19S050024L | 5 | 24 | 130 | 120 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG19S050025L | 5 | 25 | 135 | 125 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG19S050030L | 5 | 30 | 160 | 150 | 14 | 48,8 | 45 | 50 | 75 | 68 |
| 1SG19S060020L | 6 | 20 | 132 | 120 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG19S060021L | 6 | 21 | 138 | 126 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG19S060024L | 6 | 24 | 156 | 144 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG19S060025L | 6 | 25 | 162 | 150 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG19S060030L | 6 | 30 | 192 | 180 | 16 | 59,3 | 55 | 60 | 120 | 80 |
| 1SG19S080020L | 8 | 20 | 176 | 160 | 20 | 79,9 | 75 | 80 | 145 | 110 |
| 1SG19S100020L | 10 | 20 | 220 | 200 | 22 | 90,4 | 85 | 100 | 165 | 125 |

PIGNONI CON ALBERO

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PINION SHAFTS

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| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | MODULI DISPONIBILI MODULI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---------------------------------------|-----|-----------------------|---------------------------|--------------------------------------|-------------|
| 500 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | Elicoidale Helical | 2_3_4_5_6 | 100 |
| 505 | 6e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | Dritta Straight | 2_3_4_5_6 | 101 |

PIGNONI CON FORO SCANALATO

Indice

PINIONS WITH SPLINE PROFILE

Index



| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | MODULI DISPONIBILI MODULI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---------------------------------------|-----|-----------------------|--------------------------------------|-------------|
| 540 | 5e24 | 20MnCr5 | cementazione case hardening | 60 | rettificata ground | 1,5_2_3_4 | 102 |

RUOTE DENTATE

Indice

GEARWHEELS

Index



| SERIE SERIES | QUALITÀ QUALITY | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | HRC | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | MODULI DISPONIBILI MODULES | PAG PAGE |
|-----------------|--------------------|-----------------------|---------------------------------------|-----|-----------------------|---------------------------|-------------------------------|-------------|
| 580 | 5e24 | 20MnCr5 | cementazione case-hardening | 60 | rettificata ground | Elicoidale Helical | 2_3_4_5 | 103 |

PIGNONI DENTI ELICOIDALI CON ALBERO SERIE 500

HELICAL PINION SHAFTS SERIES 500

Q6 - 20MnCr5



Pignoni Pinions

Qualità / Quality: **6e25**

Materiale / Material: **20MnCr5**

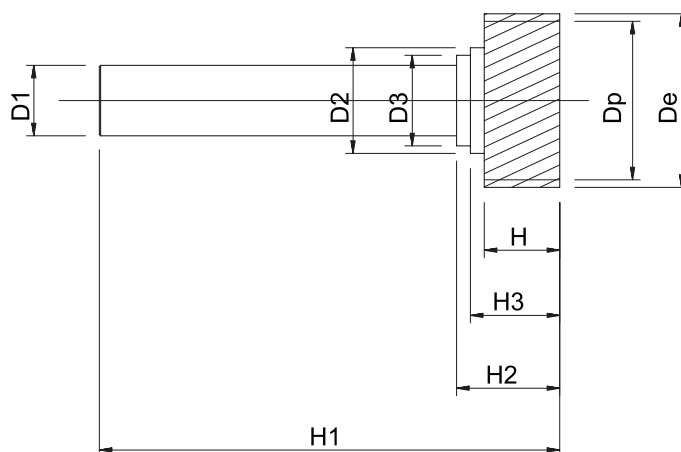
Superficie: rettificata / Surface: ground

Denti elicoidali: 19° 31' 42" Sx

Helical tooth system: 19° 31' 42" Left-hand

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

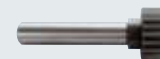


| CODICE ITEM CODE | M | Z | Dp | De | H | D1 | D2 | D3 | H1 | H2 | H3 |
|------------------|-----|----|--------|--------|----|----|----|----|--------|------|------|
| 1HP36L015020A | 1,5 | 20 | 31,83 | 34,83 | 20 | 20 | 26 | - | 100,25 | 26 | - |
| 1HP36L020015A | 2 | 15 | 33,5 | 37,5 | 25 | 20 | 24 | - | 105 | 31 | - |
| 1HP36L020020A | 2 | 20 | 42,44 | 46,44 | 25 | 25 | 35 | 31 | 148 | 34 | 28,5 |
| 1HP36L020030A | 2 | 30 | 63,66 | 67,7 | 25 | 25 | 38 | 31 | 148 | 34 | 28,5 |
| 1HP36L030020A | 3 | 20 | 63,66 | 69,7 | 30 | 25 | 31 | - | 150 | 36,5 | - |
| 1HP36L020030B | 2 | 30 | 63,66 | 67,7 | 25 | 28 | 42 | 36 | 180 | 38,5 | 33 |
| 1HP36L030020B | 3 | 20 | 63,66 | 69,7 | 30 | 28 | 42 | 36 | 183 | 41 | 35,5 |
| 1HP36L040015A | 4 | 15 | 63,66 | 71,7 | 40 | 28 | 36 | - | 188 | 46 | - |
| 1HP36L020030C | 2 | 30 | 63,66 | 67,7 | 25 | 36 | 48 | - | 203 | 32,5 | - |
| 1HP36L030020C | 3 | 20 | 63,66 | 69,7 | 30 | 36 | 48 | - | 208 | 37,5 | - |
| 1HP36L040015B | 4 | 15 | 63,66 | 71,7 | 40 | 36 | 48 | - | 213 | 42,5 | - |
| 1HP36L040015C | 4 | 15 | 63,66 | 71,7 | 40 | 48 | 57 | - | 240 | 43,5 | - |
| 1HP36L040030A | 4 | 30 | 127,32 | 135,3 | 40 | 48 | 57 | - | 240 | 43,5 | - |
| 1HP36L050012A | 5 | 12 | 68 | 78 | 50 | 48 | 57 | - | 250 | 53,5 | - |
| 1HP36L060013A | 6 | 13 | 88,76 | 100,76 | 60 | 48 | 57 | - | 260 | 63,5 | - |
| 1HP36L050015A | 5 | 15 | 84,58 | 94,5 | 50 | 60 | 70 | - | 275 | 55 | - |
| 1HP36L060013B | 6 | 13 | 88,76 | 100,76 | 60 | 60 | 70 | - | 285 | 65 | - |
| 1HP36L060013C | 6 | 13 | 88,76 | 100,76 | 60 | 60 | 70 | - | 285 | 65 | - |
| 1HP36L060015A | 6 | 15 | 101,49 | 113,49 | 60 | 60 | 70 | - | 285 | 65 | - |
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PIGNONI DENTI DRITTI CON ALBERO SERIE 505

STRAIGHT PINION SHAFTS SERIES 505

Q6 - 20MnCr5



Pignoni Pinions

Qualità / Quality: **6e25**

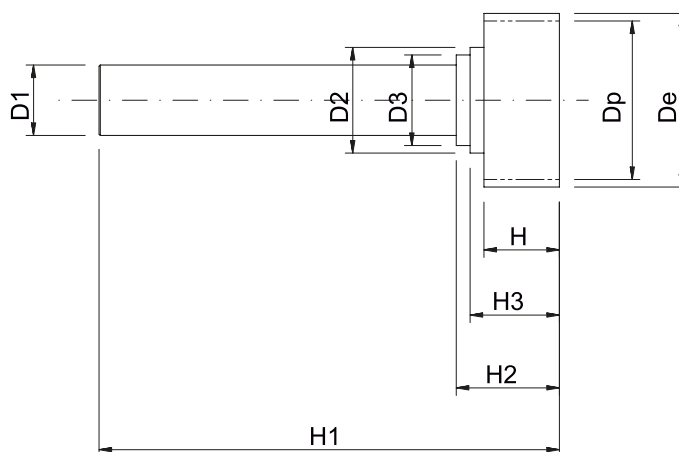
Materiale / Material: **20MnCr5**

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

Trattamento termico: cementazione 60 HRC

Heat-treatment: case-hardening 60 HRC

Superficie: rettificata / Surface: ground



| CODICE ITEM CODE | M | Z | Dp | De | H | D1 | D2 | D3 | H1 | H2 | H3 |
|------------------|---|----|------|------|----|----|----|----|-----|------|------|
| 1SP36S020020A | 2 | 15 | 31,5 | 35,5 | 25 | 20 | 24 | – | 105 | 31 | – |
| 1SP36S020021A | 2 | 21 | 42 | 46 | 25 | 25 | 35 | 31 | 148 | 34 | 28,5 |
| 1SP36S020032A | 2 | 32 | 64 | 68 | 25 | 25 | 38 | 31 | 148 | 34 | 28,5 |
| 1SP36S030021A | 3 | 21 | 63 | 69 | 30 | 25 | 31 | – | 150 | 36,5 | – |
| 1SP36S020032B | 2 | 32 | 64 | 68 | 25 | 28 | 42 | 36 | 180 | 38,5 | 33 |
| 1SP36S030021B | 3 | 21 | 63 | 69 | 30 | 28 | 42 | 36 | 183 | 41 | 35,5 |
| 1SP36S040017A | 4 | 17 | 68 | 76 | 40 | 28 | 36 | – | 188 | 46 | – |
| 1SP36S020032C | 2 | 32 | 64 | 68 | 25 | 36 | 48 | – | 203 | 32,5 | – |
| 1SP36S030021C | 3 | 21 | 63 | 69 | 30 | 36 | 48 | – | 208 | 37,5 | – |
| 1SP36S040017B | 4 | 17 | 68 | 76 | 40 | 36 | 48 | – | 213 | 42,5 | – |
| 1SP36S040017C | 4 | 17 | 68 | 76 | 40 | 48 | 57 | – | 240 | 43,5 | – |
| 1SP36S040030A | 4 | 30 | 120 | 128 | 40 | 48 | 57 | – | 240 | 43,5 | – |
| 1SP36S050013A | 5 | 13 | 70 | 80 | 50 | 48 | 57 | – | 250 | 53,5 | – |
| 1SP36S050015A | 5 | 15 | 80 | 90 | 50 | 60 | 68 | – | 275 | 55 | – |
| 1SP36S060013A | 6 | 13 | 84 | 96 | 60 | 60 | 68 | – | 285 | 65 | – |
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PIGNONI ELICOIDALI CON FORO SCANALATO SERIE 540 Q5 - 20MnCr5

HELICAL PINIONS WITH SPLINE PROFILE 540



Pignoni Pinions

Qualità / Quality: **5e24**

Materiale / Material: **20MnCr5**

Denti elicoidali: **19° 31' 42" Sx**

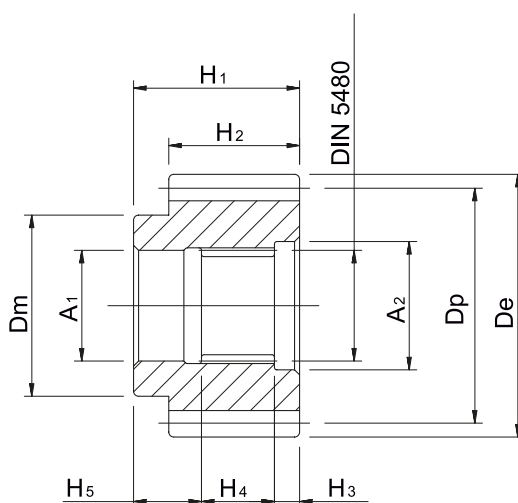
Helical tooth system: **19° 31' 42" Left-hand**

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

Trattamento termico: **cementazione 60 HRC**

Heat-treatment: **case-hardening 60 HRC**

Superficie: **rettificata / Surface: ground**



| CODICE ITEM CODE | M | Z | De | Dp | Dm | DIN5480 | A1 | A2 | H1 | H2 | H3 | H4 | H5 |
|------------------|---|----|--------|--------|------|-------------------|----|------|----|----|-----|------|------|
| 1PS35L020018A | 2 | 18 | 43,703 | 38,197 | 28 | N16x0,8x30x18x7H | 16 | 18 | 32 | 26 | 4,5 | 14,5 | 13 |
| 1PS35L020018B | 2 | 18 | 43,703 | 38,197 | 34 | N22x1,25x30x16x7J | 22 | 25,5 | 33 | 26 | 5 | 14,5 | 13,5 |
| 1PS35L020022A | 2 | 22 | 52,207 | 46,686 | 36 | N22x1,25x30x16x7J | 22 | 25,5 | 33 | 26 | 5 | 14,5 | 13,5 |
| 1PS35L020023A | 2 | 23 | 54,332 | 48,808 | 44 | N32x1,25x30x24x7J | 32 | 35,5 | 34 | 26 | 6,5 | 16 | 11,5 |
| 1PS35L020027A | 2 | 27 | 62,458 | 57,296 | 52 | N32x1,25x30x24x7J | 32 | 35,5 | 34 | 26 | 6,5 | 16 | 11,5 |
| 1PS35L030020A | 3 | 20 | 71,933 | 63,662 | 57,5 | N40x2x30x18x7J | 40 | 45,5 | 51 | 31 | 9 | 19,5 | 22,5 |
| 1PS35L040020A | 4 | 20 | 95,911 | 84,883 | 77,5 | N55x2x30x26x7J | 55 | 60,5 | 54 | 41 | 11 | 21 | 22 |
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RUOTE DENTATE ELICOIDALI SERIE 580

HELICAL GEARWHEELS SERIES 580

Q5 - 20MnCr5



Ingranaggi Gears

Qualità / Quality: **5e24**

Materiale / Material: **20MnCr5**

Trattamento termico: **cementazione 60 HRC**

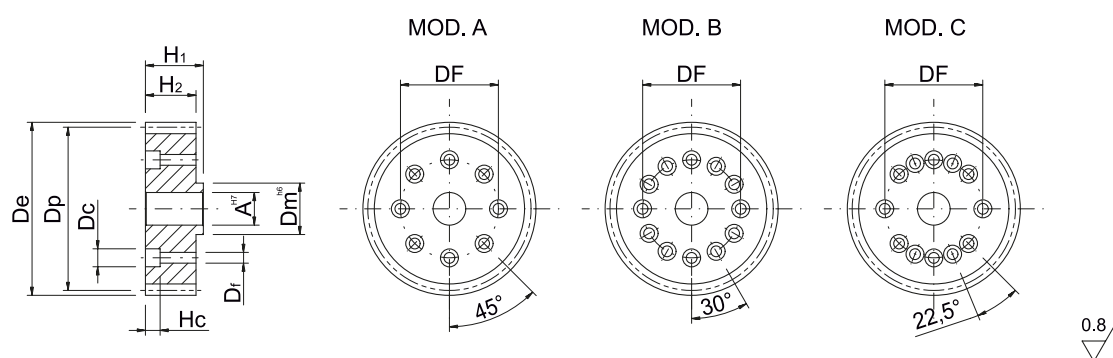
Heat-treatment: **case-hardening 60 HRC**

Denti elicoidali: **19° 31' 42'' Sx**

Helical tooth system: **19° 31' 42'' Left-hand**

Superficie: **rettificata / Surface: ground**

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



| CODICE ITEM CODE | Model | M | Z | X | De | Dp | Dm | A | H1 | H2 | DF | Df | DC | HC |
|------------------|-------|---|----|--------|--------|--------|------|------|------|----|------|-----|----|----|
| 1HW35L020026A | A | 2 | 26 | 0,4065 | 60,60 | 56,80 | 20,0 | 15 | 29,0 | 26 | 31,5 | 5,5 | 10 | 12 |
| 1HW35L020027A | A | 2 | 27 | 0 | 61,29 | 57,30 | 20,0 | 15 | 33,5 | 30 | 31,5 | 5,5 | 10 | 11 |
| 1HW35L020029A | A | 2 | 29 | 0,415 | 67,00 | 63,20 | 20,0 | 15 | 29,0 | 26 | 31,5 | 5,5 | 10 | 12 |
| 1HW35L020033A | A | 2 | 33 | 0,3928 | 75,30 | 71,60 | 31,5 | 20 | 30,0 | 26 | 50,0 | 6,6 | 11 | 14 |
| 1HW35L020035A | A | 2 | 35 | 0,3819 | 79,60 | 75,80 | 20,0 | 15 | 29,0 | 26 | 31,5 | 5,5 | 10 | 12 |
| 1HW35L020036A | A | 2 | 36 | 0 | 80,39 | 76,40 | 31,5 | 20 | 34,0 | 30 | 50,0 | 6,6 | 11 | 8 |
| 1HW35L020037A | A | 2 | 37 | 0,4209 | 84,00 | 80,20 | 31,5 | 20 | 30,0 | 26 | 50,0 | 6,6 | 11 | 14 |
| 1HW35L020037B | B | 2 | 37 | 0,4209 | 84,00 | 80,20 | 31,5 | 20 | 30,0 | 26 | 50,0 | 6,6 | 11 | 14 |
| 1HW35L020040C | C | 2 | 40 | 0,3792 | 90,20 | 86,40 | 40,0 | 31,5 | 30 | 26 | 63,0 | 6,6 | 11 | 14 |
| 1HW35L020045C | C | 2 | 45 | 0,3267 | 100,60 | 96,80 | 40,0 | 31,5 | 30 | 26 | 63,0 | 6,6 | 11 | 14 |
| 1HW35L030031A | A | 3 | 31 | 0,354 | 106,60 | 100,80 | 31,5 | 20 | 35,5 | 31 | 50,0 | 6,6 | 11 | 9 |
| 1HW35L030035B | B | 3 | 35 | 0,3652 | 119,40 | 113,60 | 50 | 40 | 35,0 | 31 | 80 | 9 | 15 | 11 |
| 1HW35L030040B | B | 3 | 40 | 0,3792 | 135,40 | 129,60 | 50 | 40 | 35,0 | 31 | 80 | 9 | 15 | 11 |
| 1HW35L030030C | C | 3 | 30 | 0 | 101,49 | 95,49 | 40,0 | 20,0 | 39 | 35 | 63,0 | 6,6 | 11 | 10 |
| 1HW35L040030B | B | 4 | 30 | 0 | 135,32 | 127,32 | 50 | 40 | 49,0 | 45 | 80 | 9 | 15 | 11 |
| 1HW35L050036B | B | 5 | 36 | 0 | 200,98 | 190,99 | 80 | 60 | 61,0 | 55 | 125 | 11 | 18 | 13 |
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VITI SENZA FINE - CORONE ELICOIDALI
Indice

WORM SHAFTS - WORM GEARS

Index


| | SERIE SERIES | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | PAG PAGE |
|----------------------|-----------------|-----------------------|---------------------------------------|------------------------------------|---------------------------|-------------|
| VITE WORM SHAFTS | 700 | 20MnCr5 | cementazione case-hardening | finito di utensile milled teeth | DX - RH | 106 |
| CORONA WORM GEARS | 705 | Bronzo Bronze | non incluso not included | finito di utensile milled teeth | DX - RH | 106 |

VITI SENZA FINE - CORONE ELICOIDALI
Indice

HOLLOW WORMS - WORM GEARS

Index


| | SERIE SERIES | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | PAG PAGE |
|----------------------|-----------------|-----------------------|---------------------------------------|------------------------------------|---------------------------|-------------|
| VITE WORM SHAFTS | 710 | 20MnCr5 | cementazione case-hardening | finito di utensile milled teeth | DX - RH | 108 |
| CORONA WORM GEARS | 715 | Bronzo Bronze | non incluso not included | finito di utensile milled teeth | DX - RH | 108 |

VITI TRAPEZOIDALI
Indice

TRAPEZOIDAL SCREWS

Index


| SERIE SERIES | MATERIALE MATERIAL | TRATTAMENTO TERMICO HEAT-TREATMENT | SUPERFICIE SURFACE | DENTATURA TOOTH SYSTEM | PAG PAGE |
|-----------------|-----------------------|---------------------------------------|------------------------------------|---------------------------|-------------|
| 750 | AVPB | non incluso not included | finito di utensile milled teeth | DX / SX - RH / LH | 110 |

VITI SENZA FINE - CORONE ELICOIDALI

WORM SHAFTS - WORM GEARS



Viti Worms

Viti senza fine SERIE 700

Materiale / Material: **20MnCr5**

Superficie: finito di utensile / Surface: milled teeth

Worm shafts SERIES 700

Dentatura: **DX** / Tooth system: **RH**

Trattamento termico: **cementazione**

Heat-treatment: **case-hardening**

Corone elicoidali SERIE 705

Materiale / Material: **Bronzo** / Bronze

Superficie: finito di utensile / Surface: milled teeth

Worm gears SERIES 705

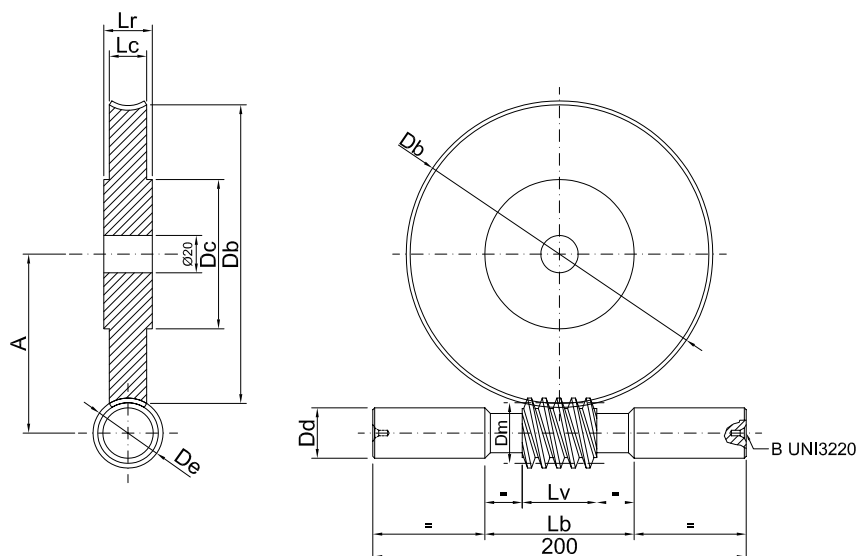
Dentatura: **DX** / Tooth system: **RH**

Trattamento termico: **non incluso**

Heat-treatment: **not included**

| CODICE VITE WORM SHAFT CODE | RAPPORTO RIDUZIONE GEAR RATIO | MODULO MODULE | PRINCIPI NUMBER OF THREADS | Z RUOTA NUMBER OF TEETH | Dd | Dm | De | Lb | Lv | Db | Dc | Lr | Lc | CODICE CORONA WORM GEAR CODE | T2 max (n1=1400) | ANGOLO D'ELICA HELIX ANGLE |
|---|-------------------------------------|------------------|----------------------------------|-------------------------------|----|------|------|----|----|-------|----|----|------|---------------------------------|---------------------|----------------------------------|
| INTERASSE 50 CENTRE DISTANCE 50 | | | | | | | | | | | | | | | | |
| 1WS31R050007 | 7 | 2,7 | 4 | 28 | 22 | 24,4 | 29,8 | 66 | 50 | 75,6 | 50 | 25 | 19,9 | 1WG39R050007 | 44,88 | 23,88° |
| 1WS31R050010 | 10 | 2,5 | 3 | 30 | 22 | 25 | 30 | 66 | 50 | 75 | 50 | 25 | 18,4 | 1WG39R050010 | 42,90 | 16,7° |
| 1WS31R050015 | 15 | 2,5 | 2 | 30 | 22 | 25 | 30 | 66 | 50 | 75 | 50 | 25 | 16,4 | 1WG39R050015 | 41,15 | 11,3° |
| 1WS31R050020 | 20 | 1,9 | 2 | 40 | 22 | 24 | 27,8 | 66 | 50 | 76 | 50 | 25 | 18 | 1WG39R050020 | 38,79 | 8,99° |
| 1WS31R050025 | 25 | 1,5 | 2 | 50 | 22 | 25 | 28 | 66 | 40 | 75 | 50 | 25 | 14,2 | 1WG39R050025 | 23,63 | 6,84° |
| 1WS31R050030 | 30 | 2,5 | 1 | 30 | 22 | 25 | 30 | 66 | 50 | 75 | 50 | 25 | 17,9 | 1WG39R050030 | 49,24 | 5,71° |
| 1WS31R050040 | 40 | 1,9 | 1 | 40 | 22 | 24 | 27,8 | 66 | 40 | 76 | 50 | 25 | 17,2 | 1WG39R050040 | 41,73 | 4,53° |
| 1WS31R050050 | 50 | 1,5 | 1 | 50 | 22 | 25 | 28 | 66 | 40 | 75 | 50 | 25 | 14,2 | 1WG39R050050 | 24,90 | 3,43° |
| 1WS31R050060 | 60 | 1,3 | 1 | 60 | 22 | 22 | 24,6 | 66 | 40 | 78 | 50 | 25 | 12,3 | 1WG39R050060 | 20,08 | 3,38° |
| 1WS31R050080 | 80 | 1 | 1 | 80 | 18 | 20 | 22 | 66 | 35 | 80 | 50 | 25 | 10,3 | 1WG39R050080 | 8,09 | 2,86° |
| INTERASSE 63 CENTRE DISTANCE 63 | | | | | | | | | | | | | | | | |
| 1WS31R063007 | 7 | 3 | 4 | 28 | 27 | 42 | 48 | 83 | 63 | 84 | 50 | 28 | 26,3 | 1WG39R063007 | 77,44 | 15,95° |
| 1WS31R063010 | 10 | 2,5 | 4 | 40 | 27 | 26 | 31 | 83 | 63 | 100 | 50 | 28 | 22 | 1WG39R063010 | 79,26 | 21,04° |
| 1WS31R063015 | 15 | 3,15 | 2 | 30 | 27 | 31,5 | 37,8 | 83 | 63 | 94,5 | 50 | 25 | 18,9 | 1WG39R063015 | 78,70 | 11,31° |
| 1WS31R063020 | 20 | 2,5 | 2 | 40 | 27 | 26 | 31 | 83 | 63 | 100 | 50 | 25 | 19,2 | 1WG39R063020 | 86,45 | 10,89° |
| 1WS31R063025 | 25 | 2 | 2 | 50 | 27 | 26 | 30 | 83 | 63 | 100 | 50 | 25 | 15,6 | 1WG39R063025 | 61,29 | 8,75° |
| 1WS31R063030 | 30 | 3 | 1 | 30 | 27 | 36 | 42 | 83 | 63 | 90 | 50 | 25 | 19,5 | 1WG39R063030 | 72,88 | 4,76° |
| 1WS31R063040 | 40 | 2,5 | 1 | 40 | 27 | 26 | 31 | 83 | 63 | 100 | 50 | 25 | 19,5 | 1WG39R063040 | 95,78 | 5,49° |
| 1WS31R063050 | 50 | 2 | 1 | 50 | 27 | 26 | 30 | 83 | 50 | 100 | 50 | 25 | 15,6 | 1WG39R063050 | 65,10 | 4,4° |
| 1WS31R063060 | 60 | 1,6 | 1 | 60 | 27 | 30 | 33,2 | 83 | 50 | 96 | 50 | 25 | 15,9 | 1WG39R063060 | 36,60 | 3,05° |
| 1WS31R063080 | 80 | 1,25 | 1 | 80 | 27 | 26 | 28,5 | 83 | 50 | 100 | 50 | 25 | 12,5 | 1WG39R063080 | 13,90 | 2,75° |
| INTERASSE 75 CENTRE DISTANCE 75 | | | | | | | | | | | | | | | | |
| 1WS31R075007 | 7 | 3 | 4 | 28 | 42 | 66 | 72 | 95 | 75 | 84 | 50 | 35 | 31,9 | 1WG39R075007 | 62,03 | 10,3° |
| 1WS31R075010 | 10 | 3,5 | 3 | 30 | 42 | 45 | 52 | 95 | 75 | 105 | 50 | 35 | 32,9 | 1WG39R075010 | 154,90 | 13,13° |
| 1WS31R075015 | 15 | 3,5 | 2 | 30 | 42 | 45 | 52 | 95 | 75 | 105 | 50 | 28 | 25,3 | 1WG39R075015 | 128,17 | 8,84° |
| 1WS31R075020 | 20 | 2,75 | 2 | 40 | 42 | 40 | 45,5 | 95 | 75 | 110 | 50 | 28 | 23,3 | 1WG39R075020 | 118,87 | 7,83° |
| 1WS31R075025 | 25 | 2,5 | 2 | 50 | 22 | 25 | 30 | 95 | 75 | 125 | 50 | 28 | 19,2 | 1WG39R075025 | 137,76 | 11,31° |
| 1WS31R075030 | 30 | 3,75 | 1 | 30 | 32 | 37,5 | 45 | 95 | 75 | 112,5 | 50 | 28 | 22,2 | 1WG39R075030 | 150,46 | 5,71° |
| 1WS31R075040 | 40 | 2,75 | 1 | 40 | 42 | 40 | 45,5 | 95 | 75 | 110 | 50 | 28 | 21,1 | 1WG39R075040 | 108,28 | 3,93° |
| 1WS31R075050 | 50 | 2,25 | 1 | 50 | 32 | 37,5 | 42 | 95 | 60 | 112,5 | 50 | 28 | 21,3 | 1WG39R075050 | 100,75 | 3,43° |
| 1WS31R075060 | 60 | 2 | 1 | 60 | 32 | 30 | 34 | 95 | 60 | 120 | 50 | 25 | 18,9 | 1WG39R075060 | 104,54 | 3,81° |
| 1WS31R075080 | 80 | 1,5 | 1 | 80 | 32 | 30 | 33 | 95 | 60 | 120 | 50 | 25 | 13,6 | 1WG39R075080 | 24,51 | 2,86° |

La vite senza fine e la corona possono essere fornite in qualsiasi materiale (Fe510, C40, 39NiCrMo4, bronzo alluminio, ghisa, plastica, ecc)



| CODICE VITE WORM SHAFT CODE | RAPPORTO RIDUZIONE GEAR RATIO | MODULO MODULE | PRINCIPI NUMBER OF THREADS | Z RUOTA NUMBER OF TEETH | Dd | Dm | De | Lb | Lv | Db | Dc | Lr | Lc | CODICE CORONA WORM GEAR CODE | T2 max (n1=1400) | ANGOLO D'ELICA HELIX ANGLE |
|---|-------------------------------------|------------------|----------------------------------|-------------------------------|----|------|------|-----|-----|-------|----|----|------|---------------------------------|---------------------|----------------------------------|
| INTERASSE 80 CENTRE DISTANCE 80 | | | | | | | | | | | | | | | | |
| 1WS31R080007 | 7 | 4 | 4 | 28 | 32 | 48 | 56 | 100 | 80 | 112 | 60 | 35 | 32,9 | 1WG39R080007 | 188,70 | 18,43° |
| 1WS31R080010 | 10 | 3,15 | 4 | 40 | 32 | 34 | 40,3 | 100 | 80 | 126 | 60 | 35 | 26 | 1WG39R080010 | 170,75 | 20,33° |
| 1WS31R080015 | 15 | 4 | 2 | 30 | 32 | 40 | 48 | 100 | 80 | 120 | 60 | 35 | 24,3 | 1WG39R080015 | 176,65 | 11,31° |
| 1WS31R080020 | 20 | 3,15 | 2 | 40 | 32 | 34 | 40,3 | 100 | 80 | 126 | 60 | 35 | 24,1 | 1WG39R080020 | 186,03 | 10,5° |
| 1WS31R080025 | 25 | 2,5 | 2 | 50 | 32 | 35 | 40 | 100 | 70 | 125 | 60 | 28 | 19,8 | 1WG39R080025 | 125,50 | 8,13° |
| 1WS31R080030 | 30 | 4 | 1 | 30 | 32 | 40 | 48 | 100 | 70 | 120 | 60 | 35 | 26,7 | 1WG39R080030 | 216,70 | 5,71° |
| 1WS31R080040 | 40 | 3,15 | 1 | 40 | 32 | 34 | 40,3 | 100 | 70 | 126 | 60 | 28 | 24,1 | 1WG39R080040 | 204,00 | 5,29° |
| 1WS31R080050 | 50 | 2,5 | 1 | 50 | 32 | 35 | 40 | 100 | 70 | 125 | 60 | 28 | 19,8 | 1WG39R080050 | 133,15 | 4,09° |
| 1WS31R080060 | 60 | 2 | 1 | 60 | 32 | 40 | 44 | 100 | 60 | 120 | 60 | 28 | 17,6 | 1WG39R080060 | 69,27 | 2,86° |
| INTERASSE 100 CENTRE DISTANCE 100 | | | | | | | | | | | | | | | | |
| 1WS31R100010 | 10 | 4 | 4 | 40 | 42 | 40 | 48 | 120 | 100 | 160 | 70 | 38 | 30,6 | 1WG39R100010 | 349,00 | 21,8° |
| 1WS31R100015 | 15 | 5 | 2 | 30 | 42 | 50 | 60 | 120 | 100 | 150 | 70 | 35 | 29,6 | 1WG39R100015 | 350,36 | 11,31° |
| 1WS31R100020 | 20 | 4 | 2 | 40 | 42 | 40 | 48 | 120 | 90 | 160 | 70 | 35 | 30,6 | 1WG39R100020 | 402,59 | 11,31° |
| 1WS31R100025 | 25 | 3,15 | 2 | 50 | 42 | 42,5 | 48,8 | 120 | 80 | 157,5 | 70 | 35 | 27,2 | 1WG39R100025 | 308,53 | 8,43° |
| 1WS31R100030 | 30 | 5 | 1 | 30 | 42 | 50 | 60 | 120 | 90 | 150 | 70 | 38 | 32,9 | 1WG39R100030 | 438,18 | 5,71° |
| 1WS31R100040 | 40 | 4 | 1 | 40 | 42 | 40 | 48 | 120 | 90 | 160 | 70 | 38 | 30,6 | 1WG39R100040 | 443,97 | 5,71° |
| 1WS31R100050 | 50 | 3,15 | 1 | 50 | 42 | 42,5 | 48,8 | 120 | 90 | 157,5 | 70 | 38 | 24,1 | 1WG39R100050 | 279,50 | 4,24° |
| 1WS31R100060 | 60 | 2,5 | 1 | 60 | 42 | 50 | 55 | 120 | 80 | 150 | 70 | 28 | 25,5 | 1WG39R100060 | 146,50 | 2,86° |
| 1WS31R100080 | 80 | 2 | 1 | 80 | 42 | 40 | 44 | 120 | 80 | 160 | 70 | 25 | 20,4 | 1WG39R100080 | 97,85 | 2,86° |
| INTERASSE 125 CENTRE DISTANCE 125 | | | | | | | | | | | | | | | | |
| 1WS31R125010 | 10 | 5 | 4 | 40 | 52 | 50 | 60 | 149 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125010 | 705,43 | 21,8° |
| 1WS31R125015 | 15 | 6 | 2 | 30 | 52 | 70 | 82 | 149 | 125 | 180 | 70 | 51 | 48,8 | 1WG39R125015 | 842,25 | 9,73° |
| 1WS31R125020 | 20 | 5 | 2 | 40 | 52 | 50 | 60 | 149 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125020 | 814,70 | 11,31° |
| 1WS31R125025 | 25 | 4 | 2 | 50 | 52 | 50 | 58 | 149 | 100 | 200 | 70 | 48 | 33,5 | 1WG39R125025 | 658,55 | 9,09° |
| 1WS31R125030 | 30 | 6,5 | 1 | 30 | 52 | 55 | 68 | 149 | 125 | 195 | 70 | 48 | 46,6 | 1WG39R125030 | 1064,70 | 6,74° |
| 1WS31R125040 | 40 | 5 | 1 | 40 | 52 | 50 | 60 | 149 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125040 | 899,60 | 5,71° |
| 1WS31R125050 | 50 | 4 | 1 | 50 | 52 | 50 | 58 | 149 | 110 | 200 | 70 | 48 | 33,5 | 1WG39R125050 | 704,07 | 4,57° |
| 1WS31R125060 | 60 | 3,2 | 1 | 60 | 52 | 58 | 64,4 | 149 | 110 | 192 | 70 | 38 | 31,3 | 1WG39R125060 | 389,90 | 3,16° |
| 1WS31R125080 | 80 | 2,5 | 1 | 80 | 52 | 50 | 55 | 149 | 100 | 200 | 70 | 38 | 25,5 | 1WG39R125080 | 200,50 | 2,86° |

VITI SENZA FINE - CORONE ELICOIDALI

HOLLOW WORMS - WORM GEARS



Viti Worms

Viti senza fine SERIE 710

Materiale / Material: **20MnCr5**

Superficie: finito di utensile / Surface: milled teeth

Hollow worms SERIES 710

Dentatura: DX / Tooth system: RH

Trattamento termico: cementazione

Heat-treatment: case-hardening

Corone elicoidali SERIE 715

Materiale / Material: / **Bronze**

Superficie: finito di utensile / Surface: milled teeth

Worm gears SERIES 715

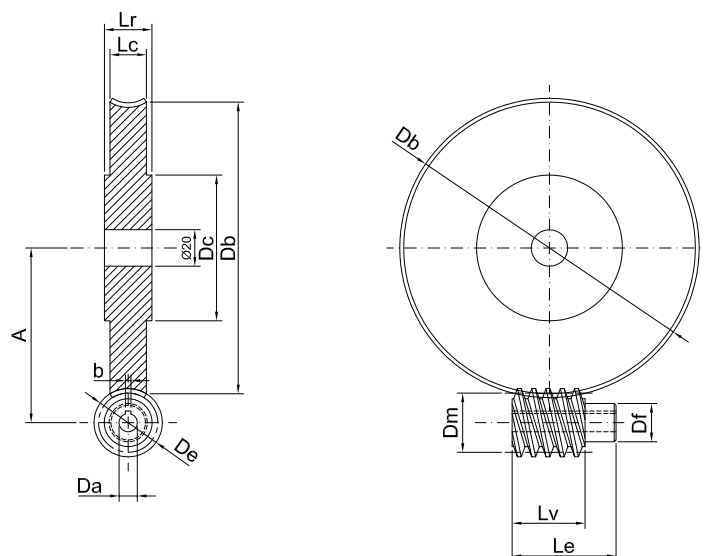
Dentatura: DX / Tooth system: RH

Trattamento termico: non incluso

Heat-treatment: not included

| CODICE VITE HOLLOW WORM CODE | RAPPORTO RIDUZIONE GEAR RATIO | MODULO MODULE | PRINCIPI NUMBER OF THREADS | Z RUOTA NUMBER OF TEETH | Df | Dm | De | Da | b | Le | Lv | Db | Dc | Lr | Lc | CODICE CORONA WORM GEAR CODE | T2 max (n1=1400) | ANGOLO D'ELICA HELIX ANGLE |
|---|-------------------------------------|------------------|----------------------------------|-------------------------------|----|------|------|----|---|----|----|-------|----|----|------|---------------------------------|---------------------|----------------------------------|
| INTERASSE 50 CENTRE DISTANCE 50 | | | | | | | | | | | | | | | | | | |
| 1WR31R050007 | 7 | 2,7 | 4 | 28 | 17 | 24,4 | 29,8 | 12 | 4 | 60 | 50 | 75,6 | 50 | 25 | 19,9 | 1WG39R050007 | 44,88 | 23,88° |
| 1WR31R050010 | 10 | 2,5 | 3 | 30 | 18 | 25 | 30 | 12 | 4 | 60 | 50 | 75 | 50 | 25 | 18,4 | 1WG39R050010 | 42,90 | 16,7° |
| 1WR31R050015 | 15 | 2,5 | 2 | 30 | 18 | 25 | 30 | 12 | 4 | 60 | 50 | 75 | 50 | 25 | 16,4 | 1WG39R050015 | 41,15 | 11,3° |
| 1WR31R050020 | 20 | 1,9 | 2 | 40 | 19 | 24 | 27,8 | 12 | 4 | 60 | 50 | 76 | 50 | 25 | 18 | 1WG39R050020 | 38,79 | 8,99° |
| 1WR31R050025 | 25 | 1,5 | 2 | 50 | 21 | 25 | 28 | 15 | 5 | 50 | 40 | 75 | 50 | 25 | 14,2 | 1WG39R050025 | 23,63 | 6,84° |
| 1WR31R050030 | 30 | 2,5 | 1 | 30 | 18 | 25 | 30 | 12 | 4 | 60 | 50 | 75 | 50 | 25 | 17,9 | 1WG39R050030 | 49,24 | 5,71° |
| 1WR31R050040 | 40 | 1,9 | 1 | 40 | 19 | 24 | 27,8 | 12 | 4 | 50 | 40 | 76 | 50 | 25 | 17,2 | 1WG39R050040 | 41,73 | 4,53° |
| 1WR31R050050 | 50 | 1,5 | 1 | 50 | 21 | 25 | 28 | 15 | 5 | 50 | 40 | 75 | 50 | 25 | 14,2 | 1WG39R050050 | 24,90 | 3,43° |
| 1WR31R050060 | 60 | 1,3 | 1 | 60 | 18 | 22 | 24,6 | 12 | 4 | 50 | 40 | 78 | 50 | 25 | 12,3 | 1WG39R050060 | 20,08 | 3,38° |
| 1WR31R050080 | 80 | 1 | 1 | 80 | 17 | 20 | 22 | 12 | 4 | 45 | 35 | 80 | 50 | 25 | 10,3 | 1WG39R050080 | 8,09 | 2,86° |
| INTERASSE 63 CENTRE DISTANCE 63 | | | | | | | | | | | | | | | | | | |
| 1WR31R063007 | 7 | 3 | 4 | 28 | 34 | 42 | 48 | 26 | 8 | 75 | 63 | 84 | 50 | 28 | 26,3 | 1WG39R063007 | 77,44 | 15,95° |
| 1WR31R063010 | 10 | 2,5 | 4 | 40 | 19 | 26 | 31 | 13 | 5 | 75 | 63 | 100 | 50 | 28 | 22 | 1WG39R063010 | 79,26 | 21,04° |
| 1WR31R063015 | 15 | 3,15 | 2 | 30 | 23 | 31,5 | 37,8 | 17 | 5 | 75 | 63 | 94,5 | 50 | 25 | 18,9 | 1WG39R063015 | 78,70 | 11,31° |
| 1WR31R063020 | 20 | 2,5 | 2 | 40 | 19 | 26 | 31 | 13 | 5 | 75 | 63 | 100 | 50 | 25 | 19,2 | 1WG39R063020 | 86,45 | 10,89° |
| 1WR31R063025 | 25 | 2 | 2 | 50 | 20 | 26 | 30 | 14 | 5 | 75 | 63 | 100 | 50 | 25 | 15,6 | 1WG39R063025 | 61,29 | 8,75° |
| 1WR31R063030 | 30 | 3 | 1 | 30 | 27 | 36 | 42 | 20 | 6 | 75 | 63 | 90 | 50 | 25 | 19,5 | 1WG39R063030 | 72,88 | 4,76° |
| 1WR31R063040 | 40 | 2,5 | 1 | 40 | 19 | 26 | 31 | 13 | 5 | 75 | 63 | 100 | 50 | 25 | 19,5 | 1WG39R063040 | 95,78 | 5,49° |
| 1WR31R063050 | 50 | 2 | 1 | 50 | 20 | 26 | 30 | 14 | 5 | 62 | 50 | 100 | 50 | 25 | 15,6 | 1WG39R063050 | 65,10 | 4,4° |
| 1WR31R063060 | 60 | 1,6 | 1 | 60 | 25 | 30 | 33,2 | 18 | 6 | 62 | 50 | 96 | 50 | 25 | 15,9 | 1WG39R063060 | 36,60 | 3,05° |
| 1WR31R063080 | 80 | 1,25 | 1 | 80 | 22 | 26 | 28,5 | 16 | 5 | 62 | 50 | 100 | 50 | 25 | 12,5 | 1WG39R063080 | 13,90 | 2,75° |
| INTERASSE 75 CENTRE DISTANCE 75 | | | | | | | | | | | | | | | | | | |
| 1WR31R075007 | 7 | 3 | 4 | 28 | 55 | 66 | 72 | 30 | 8 | 90 | 75 | 84 | 50 | 35 | 31,9 | 1WG39R075007 | 62,03 | 10,3° |
| 1WR31R075010 | 10 | 3,5 | 3 | 30 | 35 | 45 | 52 | 27 | 8 | 90 | 75 | 105 | 50 | 35 | 32,9 | 1WG39R075010 | 154,90 | 13,13° |
| 1WR31R075015 | 15 | 3,5 | 2 | 30 | 35 | 45 | 52 | 27 | 8 | 90 | 75 | 105 | 50 | 28 | 25,3 | 1WG39R075015 | 128,17 | 8,84° |
| 1WR31R075020 | 20 | 2,75 | 2 | 40 | 32 | 40 | 45,5 | 24 | 8 | 90 | 75 | 110 | 50 | 28 | 23,3 | 1WG39R075020 | 118,87 | 7,83° |
| 1WR31R075025 | 25 | 2,5 | 2 | 50 | 18 | 25 | 30 | 12 | 4 | 90 | 75 | 125 | 50 | 28 | 19,2 | 1WG39R075025 | 137,76 | 11,31° |
| 1WR31R075030 | 30 | 3,75 | 1 | 30 | 27 | 37,5 | 45 | 20 | 6 | 90 | 75 | 112,5 | 50 | 28 | 22,2 | 1WG39R075030 | 150,46 | 5,71° |
| 1WR31R075040 | 40 | 2,75 | 1 | 40 | 32 | 40 | 45,5 | 24 | 8 | 90 | 75 | 110 | 50 | 28 | 21,1 | 1WG39R075040 | 108,28 | 3,93° |
| 1WR31R075050 | 50 | 2,25 | 1 | 50 | 30 | 37,5 | 42 | 22 | 6 | 75 | 60 | 112,5 | 50 | 28 | 21,3 | 1WG39R075050 | 100,75 | 3,43° |
| 1WR31R075060 | 60 | 2 | 1 | 60 | 24 | 30 | 34 | 17 | 5 | 75 | 60 | 120 | 50 | 25 | 18,9 | 1WG39R075060 | 104,54 | 3,81° |
| 1WR31R075080 | 80 | 1,5 | 1 | 80 | 25 | 30 | 33 | 18 | 6 | 75 | 60 | 120 | 50 | 25 | 13,6 | 1WG39R075080 | 24,51 | 2,86° |

La vite senza fine e la corona possono essere fornite in qualsiasi materiale (Fe510, C40, 39NiCrMo4, bronzo alluminio, ghisa, plastica, ecc)



| CODICE VITE HOLLOW WORM CODE | RAPPORTO RIDUZIONE GEAR RATIO | MODULO MODULE | PRINCIPI NUMBER OF THREADS | Z RUOTA NUMBER OF TEETH | Df | Dm | De | Da | b | Le | Lv | Db | Dc | Lr | Lc | CODICE CORONA WORM GEAR CODE | T2 max (n1=1400) | ANGOLO D'ELICA HELIX ANGLE |
|---------------------------------|-------------------------------------|------------------|----------------------------------|-------------------------------|----|----|----|----|---|----|----|----|----|----|----|---------------------------------|---------------------|----------------------------------|
|---------------------------------|-------------------------------------|------------------|----------------------------------|-------------------------------|----|----|----|----|---|----|----|----|----|----|----|---------------------------------|---------------------|----------------------------------|

INTERASSE 80
CENTRE DISTANCE 80

| | | | | | | | | | | | | | | | | | | |
|--------------|----|------|---|----|----|----|------|----|---|-----|----|-----|----|----|------|--------------|--------|--------|
| 1WR31R080007 | 7 | 4 | 4 | 28 | 37 | 48 | 56 | 28 | 8 | 100 | 80 | 112 | 60 | 35 | 32,9 | 1WG39R080007 | 188,70 | 18,43° |
| 1WR31R080010 | 10 | 3,15 | 4 | 40 | 25 | 34 | 40,3 | 18 | 6 | 100 | 80 | 126 | 60 | 35 | 26 | 1WG39R080010 | 170,75 | 20,33° |
| 1WR31R080015 | 15 | 4 | 2 | 30 | 29 | 40 | 48 | 22 | 6 | 100 | 80 | 120 | 60 | 35 | 24,3 | 1WG39R080015 | 176,65 | 11,31° |
| 1WR31R080020 | 20 | 3,15 | 2 | 40 | 25 | 34 | 40,3 | 18 | 6 | 100 | 80 | 126 | 60 | 35 | 24,1 | 1WG39R080020 | 186,03 | 10,5° |
| 1WR31R080025 | 25 | 2,5 | 2 | 50 | 28 | 35 | 40 | 21 | 6 | 90 | 70 | 125 | 60 | 28 | 19,8 | 1WG39R080025 | 125,50 | 8,13° |
| 1WR31R080030 | 30 | 4 | 1 | 30 | 29 | 40 | 48 | 22 | 6 | 90 | 70 | 120 | 60 | 35 | 26,7 | 1WG39R080030 | 216,70 | 5,71° |
| 1WR31R080040 | 40 | 3,15 | 1 | 40 | 25 | 34 | 40,3 | 18 | 6 | 90 | 70 | 126 | 60 | 28 | 24,1 | 1WG39R080040 | 204,00 | 5,29° |
| 1WR31R080050 | 50 | 2,5 | 1 | 50 | 28 | 35 | 40 | 21 | 6 | 90 | 70 | 125 | 60 | 28 | 19,8 | 1WG39R080050 | 133,15 | 4,09° |
| 1WR31R080060 | 60 | 2 | 1 | 60 | 34 | 40 | 44 | 26 | 8 | 80 | 60 | 120 | 60 | 28 | 17,6 | 1WG39R080060 | 69,27 | 2,86° |

INTERASSE 100
CENTRE DISTANCE 100

| | | | | | | | | | | | | | | | | | | |
|--------------|----|------|---|----|----|------|------|----|---|-----|-----|-------|----|----|------|--------------|--------|--------|
| 1WR31R100010 | 10 | 4 | 4 | 40 | 29 | 40 | 48 | 22 | 6 | 125 | 100 | 160 | 70 | 38 | 30,6 | 1WG39R100010 | 349,00 | 21,8° |
| 1WR31R100015 | 15 | 5 | 2 | 30 | 36 | 50 | 60 | 28 | 8 | 125 | 100 | 150 | 70 | 35 | 29,6 | 1WG39R100015 | 350,36 | 11,31° |
| 1WR31R100020 | 20 | 4 | 2 | 40 | 29 | 40 | 48 | 22 | 6 | 125 | 90 | 160 | 70 | 35 | 30,6 | 1WG39R100020 | 402,59 | 11,31° |
| 1WR31R100025 | 25 | 3,15 | 2 | 50 | 33 | 42,5 | 48,8 | 25 | 8 | 125 | 80 | 157,5 | 70 | 35 | 27,2 | 1WG39R100025 | 308,53 | 8,43° |
| 1WR31R100030 | 30 | 5 | 1 | 30 | 36 | 50 | 60 | 28 | 8 | 125 | 90 | 150 | 70 | 38 | 32,9 | 1WG39R100030 | 438,18 | 5,71° |
| 1WR31R100040 | 40 | 4 | 1 | 40 | 29 | 40 | 48 | 22 | 6 | 125 | 90 | 160 | 70 | 38 | 30,6 | 1WG39R100040 | 443,97 | 5,71° |
| 1WR31R100050 | 50 | 3,15 | 1 | 50 | 33 | 42,5 | 48,8 | 25 | 8 | 125 | 90 | 157,5 | 70 | 38 | 24,1 | 1WG39R100050 | 279,50 | 4,24° |
| 1WR31R100060 | 60 | 2,5 | 1 | 60 | 42 | 50 | 55 | 30 | 8 | 125 | 80 | 150 | 70 | 28 | 25,5 | 1WG39R100060 | 146,50 | 2,86° |
| 1WR31R100080 | 80 | 2 | 1 | 80 | 34 | 40 | 44 | 26 | 8 | 125 | 80 | 160 | 70 | 25 | 20,4 | 1WG39R100080 | 97,85 | 2,86° |

INTERASSE 125
CENTRE DISTANCE 125

| | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|---|----|----|----|------|----|---|-----|-----|-----|----|----|------|--------------|---------|--------|
| 1WR31R125010 | 10 | 5 | 4 | 40 | 36 | 50 | 60 | 28 | 8 | 160 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125010 | 705,43 | 21,8° |
| 1WR31R125015 | 15 | 6 | 2 | 30 | 54 | 70 | 82 | 30 | 8 | 160 | 125 | 180 | 70 | 51 | 48,8 | 1WG39R125015 | 842,25 | 9,73° |
| 1WR31R125020 | 20 | 5 | 2 | 40 | 36 | 50 | 60 | 28 | 8 | 160 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125020 | 814,70 | 11,31° |
| 1WR31R125025 | 25 | 4 | 2 | 50 | 39 | 50 | 58 | 30 | 8 | 160 | 100 | 200 | 70 | 48 | 33,5 | 1WG39R125025 | 658,55 | 9,09° |
| 1WR31R125030 | 30 | 6,5 | 1 | 30 | 37 | 55 | 68 | 28 | 8 | 160 | 125 | 195 | 70 | 48 | 46,6 | 1WG39R125030 | 1064,70 | 6,74° |
| 1WR31R125040 | 40 | 5 | 1 | 40 | 36 | 50 | 60 | 28 | 8 | 160 | 125 | 200 | 70 | 48 | 38,3 | 1WG39R125040 | 899,60 | 5,71° |
| 1WR31R125050 | 50 | 4 | 1 | 50 | 39 | 50 | 58 | 30 | 8 | 160 | 110 | 200 | 70 | 48 | 33,5 | 1WG39R125050 | 704,07 | 4,57° |
| 1WR31R125060 | 60 | 3,2 | 1 | 60 | 49 | 58 | 64,4 | 30 | 8 | 160 | 110 | 192 | 70 | 38 | 31,3 | 1WG39R125060 | 389,90 | 3,16° |
| 1WR31R125080 | 80 | 2,5 | 1 | 80 | 42 | 50 | 55 | 30 | 8 | 160 | 100 | 200 | 70 | 38 | 25,5 | 1WG39R125080 | 200,50 | 2,86° |

Worms and wheels can be manufactured with different raw materials (Fe510, C40, 39NiCrMo4, bronze aluminium, cast iron, plastic, etc)

VITI TRAPEZOIDALI SERIE 750

TRAPEZOIDAL SCREWS SERIES 750

Viti Worms

 Materiale / Material: **AVPB**

Superficie: finito di utensile / Surface: milled teeth

Dentatura: DX - SX / Tooth system: RH - LH

Trattamento termico: non incluso

Heat-treatment: not included

Ph = PASSO VITE (avanzamento assiale della vite ad un giro completo)

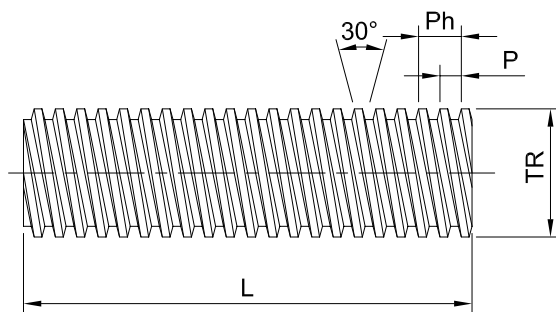
Ph = LEAD (axial advance at one turn)

P = PASSO ELICA (distanza assiale tra due denti di filetti consecutivi)

P = PITCH (axial distance between two neighbouring flanks in the same direction)

TR = DIAMETRO ESTERNO

TR = EXTERNAL DIAMETER



| CODICE VITE SINISTRA ITEM CODE LEFT-HAND | CODICE VITE DESTRA ITEM CODE RIGHT-HAND | FILETTO THREAD | PASSO ELICA PITCH | DIAMETRO ESTERNO EXTERNAL DIAMETER | N° PRINCIPI NUMBER OF THREADS |
|---|--|-------------------|----------------------|---------------------------------------|----------------------------------|
| 1TS18L020004 | 1TS18R020004 | TR 20 X 4 | | 20 | 1 |
| 1TS18L020008 | 1TS18R020008 | TR 20 X 8 | (P4) | 20 | 2 |
| 1TS18L020020 | 1TS18R020020 | TR 20 X 20 | (P5) | 20 | 4 |
| 1TS18L022005 | 1TS18R022005 | TR 22 X 5 | | 22 | 1 |
| 1TS18L022010 | 1TS18R022010 | TR 22 X 10 | (P5) | 22 | 2 |
| 1TS18L024005 | 1TS18R024005 | TR 24 X 5 | | 24 | 1 |
| 1TS18L024010 | 1TS18R024010 | TR 24 X 10 | (P5) | 24 | 2 |
| 1TS18L025003 | 1TS18R025003 | TR 25 X 3 | | 25 | 1 |
| 1TS18L025005 | 1TS18R025005 | TR 25 X 5 | | 25 | 1 |
| 1TS18L025010 | 1TS18R025010 | TR 25 X 10 | (P5) | 25 | 2 |
| 1TS18L025025 | 1TS18R025025 | TR 25 X 25 | (P5) | 25 | 5 |
| 1TS18L026005 | 1TS18R026005 | TR 26 X 5 | | 26 | 1 |
| 1TS18L026010 | 1TS18R026010 | TR 26 X 10 | (P5) | 26 | 2 |
| 1TS18L028005 | 1TS18R028005 | TR 28 X 5 | | 28 | 1 |
| 1TS18L028010 | 1TS18R028010 | TR 28 X 10 | (P5) | 28 | 2 |
| 1TS18L030003 | 1TS18R030003 | TR 30 X 3 | | 30 | 1 |
| 1TS18L030004 | 1TS18R030004 | TR 30 X 4 | | 30 | 1 |
| 1TS18L030005 | 1TS18R030005 | TR 30 X 5 | | 30 | 1 |
| 1TS18L030006 | 1TS18R030006 | TR 30 X 6 | | 30 | 1 |
| 1TS18L030012 | 1TS18R030012 | TR 30 X 12 | (P6) | 30 | 2 |
| 1TS18L030030 | 1TS18R030030 | TR 30 X 30 | (P5) | 30 | 6 |
| 1TS18L032006 | 1TS18R032006 | TR 32 X 6 | | 32 | 1 |
| 1TS18L030012 | 1TS18R030012 | TR 32 X 12 | (P6) | 32 | 2 |
| 1TS18L035003 | 1TS18R035003 | TR 35 X 3 | | 35 | 1 |
| 1TS18L035004 | 1TS18R035004 | TR 35 X 4 | | 35 | 1 |
| 1TS18L035005 | 1TS18R035005 | TR 35 X 5 | | 35 | 1 |
| 1TS18L035006 | 1TS18R035006 | TR 35 X 6 | | 35 | 1 |
| 1TS18L035008 | 1TS18R035008 | TR 35 X 8 | | 35 | 1 |
| 1TS18L036006 | 1TS18R036006 | TR 36 X 6 | | 36 | 1 |
| 1TS18L036012 | 1TS18R036012 | TR 36 X 12 | (P6) | 36 | 2 |
| 1TS18L040003 | 1TS18R040003 | TR 40 X 3 | | 40 | 1 |
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I codici delle viti si intendono tutte di lunghezza L=1000mm in materiale AVPB. Gambini Meccanica riesce a realizzare le viti in qualsiasi materiale e per lunghezze fino a 3000mm. Per qualsiasi cosa contattare il nostro ufficio tecnico.

VITI TRAPEZOIDALI SERIE 750

TRAPEZOIDAL SCREWS SERIES 750

Viti Worms

Materiale / Material: AVPB

Superficie: finito di utensile / Surface: milled teeth

Dentatura: DX - SX / Tooth system: RH - LH

Trattamento termico: non incluso

Heat-treatment: not included

Ph = PASSO VITE (avanzamento assiale della vite ad un giro completo)

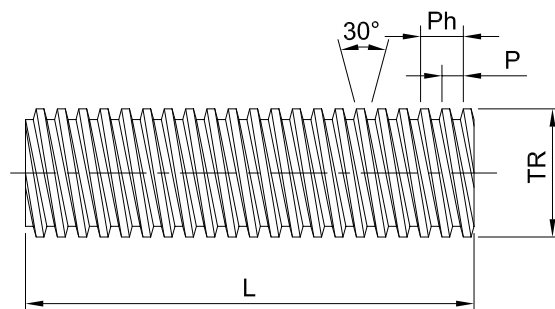
Ph = LEAD (axial advance at one turn)

P = PASSO ELICA (distanza assiale tra due denti di filetti consecutivi)

P = PITCH (axial distance between two neighbouring flanks in the same direction)

TR = DIAMETRO ESTERNO

TR = EXTERNAL DIAMETER



| CODICE VITE SINISTRA ITEM CODE LEFT-HAND | CODICE VITE DESTRA ITEM CODE RIGHT-HAND | FILETTO THREAD | PASSO ELICA PITCH | DIAMETRO ESTERNO EXTERNAL DIAMETER | N° PRINCIPI NUMBER OF THREADS |
|---|--|-------------------|----------------------|---------------------------------------|----------------------------------|
| 1TS18L040004 | 1TS18R040004 | TR 40 X 4 | | 40 | 1 |
| 1TS18L040005 | 1TS18R040005 | TR 40 X 5 | | 40 | 1 |
| 1TS18L040006 | 1TS18R040006 | TR 40 X 6 | | 40 | 1 |
| 1TS18L040007 | 1TS18R040007 | TR 40 X 7 | | 40 | 1 |
| 1TS18L040008 | 1TS18R040008 | TR 40 X 8 | | 40 | 1 |
| 1TS18L040010 | 1TS18R040010 | TR 40 X 10 | | 40 | 1 |
| 1TS18L040014 | 1TS18R040014 | TR 40 X 14 | (P7) | 40 | 2 |
| 1TS18L040040 | 1TS18R040040 | TR 40 X 40 | (P8) | 40 | 5 |
| 1TS18L044007 | 1TS18R044007 | TR 44 X 7 | | 44 | 1 |
| 1TS18L045008 | 1TS18R045008 | TR 45 X 8 | | 45 | 1 |
| 1TS18L050003 | 1TS18R050003 | TR 50 X 3 | | 50 | 1 |
| 1TS18L050004 | 1TS18R050004 | TR 50 X 4 | | 50 | 1 |
| 1TS18L050005 | 1TS18R050005 | TR 50 X 5 | | 50 | 1 |
| 1TS18L050006 | 1TS18R050006 | TR 50 X 6 | | 50 | 1 |
| 1TS18L050008 | 1TS18R050008 | TR 50 X 8 | | 50 | 1 |
| 1TS18L050010 | 1TS18R050010 | TR 50 X 10 | | 50 | 1 |
| 1TS18L055009 | 1TS18R055009 | TR 55 X 9 | | 55 | 1 |
| 1TS18L060006 | 1TS18R060006 | TR 60 X 6 | | 60 | 1 |
| 1TS18L060007 | 1TS18R060007 | TR 60 X 7 | | 60 | 1 |
| 1TS18L060009 | 1TS18R060009 | TR 60 X 9 | | 60 | 1 |
| 1TS18L070010 | 1TS18R070010 | TR 70 X 10 | | 70 | 1 |
| 1TS18L080010 | 1TS18R080010 | TR 80 X 10 | | 80 | 1 |
| 1TS18L090012 | 1TS18R090012 | TR 90 X 12 | | 90 | 1 |
| 1TS18L095016 | 1TS18R095016 | TR 95 X 16 | | 95 | 1 |
| 1TS18L100012 | 1TS18R100012 | TR 100 X 12 | | 100 | 1 |
| 1TS18L100016 | 1TS18R100016 | TR 100 X 16 | | 100 | 1 |
| 1TS18L120014 | 1TS18R120014 | TR 120 X 14 | | 120 | 1 |
| 1TS18L120016 | 1TS18R120016 | TR 120 X 16 | | 120 | 1 |
| 1TS18L140014 | 1TS18R140014 | TR 140 X 14 | | 140 | 1 |
| 1TS18L160016 | 1TS18R160016 | TR 160 X 16 | | 160 | 1 |
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All the screws included in the present catalogue are 1000 mm long and made of AVPB. Notwithstanding this Gambini Meccanica is able to manufacture screws made of different raw materials and with a max length of 3000 mm. Please contact our technical department for any further information.

SICUREZZA



È necessario attenersi alle leggi Nazionali e Regionali inerenti la sicurezza e la prevenzione degli infortuni. Il sistema di trasmissione è da considerarsi come "componente di macchina" e non è pertanto soggetto alla Direttiva macchine 2006/42/CE.

Il produttore (Gambini Meccanica) non si assume alcuna responsabilità per danni o infortuni derivanti da un utilizzo improprio del sistema di trasmissione (uso o manipolazione dei prodotti).

L'utilizzatore ha la responsabilità di verificare tutti i codici di sicurezza applicabili e di prendere le dovute precauzioni.

Le cremagliere possono essere assemblate ed installate esclusivamente da personale specializzato.

Quando le cremagliere vengono sollevate fuori dall'imballaggio e manipolate è necessario indossare sempre il casco protettivo, le scarpe antinfortunistiche, gli occhiali e i guanti protettivi.



- I bordi taglienti possono causare lesioni da taglio. Indossare i guanti protettivi durante l'assemblaggio.

- Evitare trasferimento di calore alle cremagliere durante l'assemblaggio. Utilizzare un equipaggiamento di sicurezza adeguato (ad esempio guanti protettivi) durante l'assemblaggio.

- Indossare guanti protettivi durante l'assemblaggio al fine di evitare il formarsi di ruggine da contatto.

Gambini Meccanica si riserva il diritto di apportare senza preavviso modifiche tecniche ai suoi prodotti al fine di migliorarli. Vi preghiamo di consultare il nostro Customer Service al fine di ricevere ulteriori informazioni.

SAFETY

Observe any National/Regional regulations concerning safety and accident prevention. The drive system is considered a "machine component" and is therefore not subject to the EC Machinery Directive 2006/42/EC.

The manufacturer (Gambini Meccanica) does not accept liability for damage or injury ensuing (resulting) from improper handling of the drive system (use or handling of these products).

The User is responsible for checking all applicable local safety codes and providing suitable guards.

The racks may be assembled and installed only by skilled personnel.

Always wear safety helmet, goggles, protective gloves and safety shoes when lifting the rack out of its packing and handling it. (or when handling this product)

- Sharp edges can cause cutting injuries. Wear protective gloves during assembly.

- Avoid heat transfer to the toothed racks during assembly. Use suitable safety equipment (e.g. gloves) during assembly.

- Wear gloves while assembling in order to avoid contact corrosion.

Gambini Meccanica reserves the right to make technical changes to improve the product without notice. Consult our Customer Service department to receive further information.