



PCD TOOLS - SG LINE 2012

METAL WORLD





PROFESSIONAL TOOLS ALL OVER THE WORLD

“Ispirati dall’innovazione tecnologica e forti di uno storico e semplice principio: soddisfare il cliente mediante la qualità e la rapidità del servizio”



È questa la nostra precisa missione, quella su cui ogni giorno fondiamo il nostro lavoro ed il nostro successo.

Più di 35 anni di attività, più di 100 operatori specialisti, più di 25 filiali nel mondo, sono i numeri che confermano le nostre scelte, sono i risultati concreti che ci spingono a credere, ancora, in un grande futuro.

Inspired by technological innovation and based on the historical and strong principle to satisfy customer through quality and quick feed-back to service.

This is our company mission, the one on which we base our day to day work and our success. More than 35 years of business, more than 100 specialised technicians, more than 25 worldwide branches. Those are the figures that confirm our success. Those are the great results that confirm our vision in a great future.



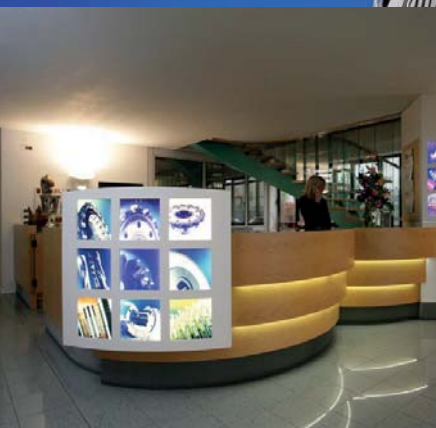
METAL WORLD è “punta di diamante” in Europa nella produzione di utensili di precisione per la lavorazione del legno e suoi derivati, delle materie plastiche, delle leghe leggere e dei materiali compositi.

Metal World è il frutto, tutto italiano, dell'esperienza e della competitività di quattro soci fondatori e di un gruppo di collaboratori esperti, che nel lontano 1976 diedero vita alla loro idea: un'impresa innovativa, specializzata nella produzione di utensili di precisione per la lavorazione del legno.

Ma la vera scelta vincente che sta alla base del successo della Metal World è stata di operare costantemente a fianco della propria clientela, anticipandone le aspettative, cogliendone le reali esigenze e facendole proprie, in primis l'alta qualità dei prodotti e la velocità del servizio. La costante attenzione all'innovazione tecnologica ed al rigore scientifico nella ricerca delle migliori performances hanno anche permesso alla Metal World di essere tra le prime aziende in Europa ad applicare ai propri utensili un materiale di eccezionali caratteristiche come il diamante policristallino.

Questa innovazione, applicata alla capacità di realizzare sia specifiche produzioni sia grossi quantitativi di ottima qualità in tempi brevissimi, ha permesso i risultati attuali.

Oggi Metal World vanta un'ultra trentennale esperienza nel settore legno e suoi derivati, ma le nuove esigenze della clientela Le hanno permesso di applicare la tecnologia del PCD anche in altri settori quali l'aerospazio, l'automotive, la micromeccanica e la stampistica.



METAL WORLD is a pioneer company in Europe in the industry of precision tools for processing wood, plastics, light alloys and composite materials.



La produzione riguarda in gran parte utensili speciali atti a soddisfare le esigenze della sua clientela.

Tutti gli utensili superano i più rigorosi test di collaudo (tolleranze dimensionali, equilibratura dinamica, rumorosità) per garantire la precisione necessaria per ogni tipo di applicazione. Questo è possibile grazie ad unità produttive completamente automatizzate ed integrate da strumenti di controllo high-tech in grado di rispettare tolleranze di pochissimi micron.

L'attuale organizzazione assicura un servizio eccellente anche nella fase post-vendita, come per la manutenzione, il ripristino e la riaffilatura degli utensili col riporto in diamante policristallino.

Metal World oggi è un'azienda dal respiro internazionale, solida di una decennale esperienza, giovane nella rinnovata energia, garantita dalla presenza attiva della seconda generazione, pronta a raccogliere il testimone per puntare verso nuovi stimolanti traguardi.



Metal World is a truly Italian result of the experience and competence of four founders and a group of experts that in 1976 brought to life their ideas: an innovative company, specialised in the production of precision tools for the woodworking.

The real winning choice that underlines the success of Metal World is to operate constantly at the side of his customers, anticipate the expectations, understanding the real needs and endorsing them, first to all the high quality and the on time service.

The continues search for technological innovation and scientific precision in the research of best performances have allowed Metal World to become one of the leaders in Europe in producing tools with polycrystalline diamond, an exceptional material that delivers high precision.

Thanks to this innovative technology, together with the ability to produce in limited time both on demand and on big orders without compromising quality, that Metal World has achieved outstanding results.

More over the high know-how on PCD application reached until today, let Metal World get inside the industry of aerospace, automotive, form designers and micro-precision mechanics.

All tools are fully tested and exceed the most rigours inspections (dimensional tolerances, dynamic balancing, concentricity, etc.) to grant the right performance for each application.

The current organization delivers also excellent after-sales customer service, such as for maintenance, rehabilitation and re-sharpening of tools with polycrystalline diamond.

Metal World today is an Italian company with an international flavor, with a solid decade of experience and a young spirit, guaranteed by the active presence of the second generation, ready to take the helm to drive MW to new exciting goals.

PRECISIONE, TECNOLOGIA, SICUREZZA



In auto/by car:

Autostrada A4 Venezia > Trieste
uscita Palmanova
Autostrada A23 Udine > Tarvisio
uscita Udine Sud

In treno/by train:

Venezia > Udine e Trieste > Udine
Udine Stazione Centrale

In aereo/by plain:

Venezia airport
"Marco Polo"
Trieste airport
"Ronchi dei Legionari"

Recapito postale/mail:

Via A. Sello, 1 - Z.I.A. San Mauro Percoto
33050 Pavia di Udine
E-mail: info@metalworld.it
Website: www.metalworld.it

Recapito telefonico/phone number:

+39 0432 686868

Recapito fax/fax number:

+39 0432 686839

Orari di lavoro/Working time:

8,30 > 12,30
13,30 > 17,30

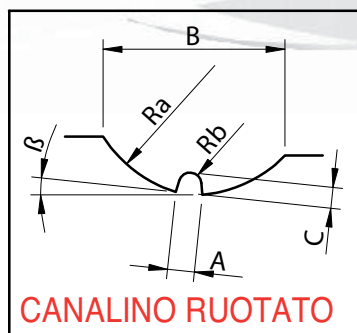
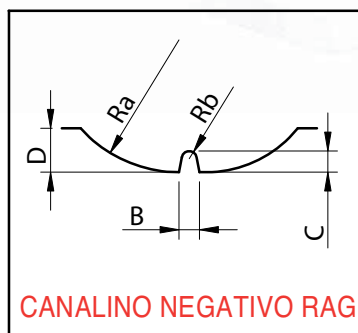
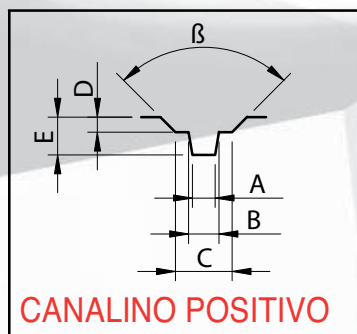
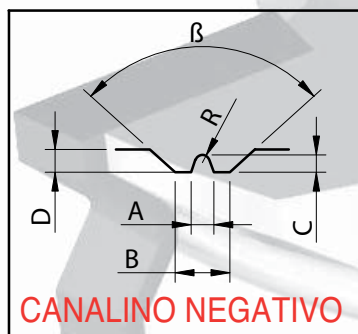
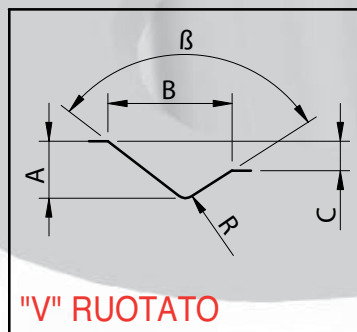
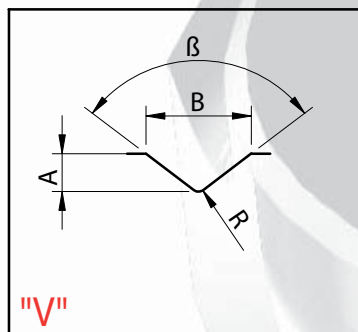
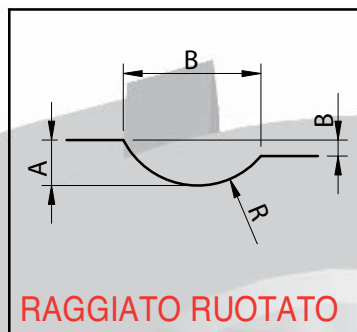
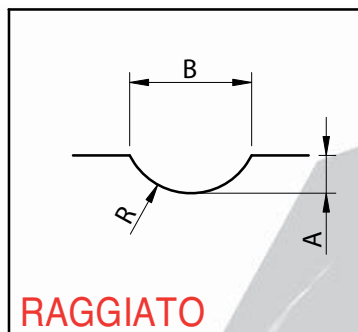
ALTO RENDIMENTO

CATALOGO UTENSILI PER OCCHIALI
PCD TOOLS FOR FASHION GLASSES CATALOGUE



ART. DSG010 FRESA A CANDELA PCD Ø6 Z1	att. Ø 6x50 LT mm
ART. DSG020 FRESA A CANDELA PCD Ø8 Z2	att. Ø 10x62 LT mm
ART. DSG030 FRESA A CANDELA PCD Ø10 Z2	att. Ø 6x50 LT mm
ART. DSG040 FRESA A CANDELA PCD Ø10 Z2	att. Ø 10x50 LT mm
ART. DSG050 FRESA A CANDELA PCD Ø13 Z2	att. Ø 10x62 LT mm
ART. DSG060 FRESA A CANDELA PCD Ø10 Z2	att. Ø 10x50 LT mm
ART. DSG070 FRESA A CANDELA PCD Ø12 Z2	att. Ø 10x55 LT mm
ART. DSG080 FRESA A CANDELA PCD Ø14 Z2	att. Ø 5x50 LT mm
ART. DSG100 FRESA A CANDELA PCD A SPIANARE CON RAGGIO Ø da 12 a 38 Z2	att. Ø 8x50 LT mm
ART. DSG120 FRESA A CANDELA PCD A SPIANARE CON SMUSSO Ø da 12 a 38 Z2	att. Ø 8x50 LT mm
ART. DSG200 FRESA PCD Ø39 Z3	foro Ø 8x15.7 LT mm
ART. DSG250 FRESA PCD Ø41 Z3	foro Ø 8x12.3 LT mm
ART. DSG300 FRESA PCD Ø42 Z3	foro Ø 12x20 LT mm
ART. DSG310 FRESA PCD Ø23 Z3	foro Ø 12x20 LT mm
ART. PSG010 FRESA A CONTORNARE HM Ø da 0.5 a 1.6 Z1	att. Ø 3x39 LT mm
ART. PSG020 FRESA A CONTORNARE HM Ø da 0.5 a 1.6 Z1	att. Ø 3x39 LT mm
ART. PSG030 PUNTA A FORARE DOPPIO DIAMETRO HM Ø da 0.5 a 1.6 Z1	att. Ø 3x39 LT mm

TIPOLOGIE DI PROFILI D'APPLICARE SUI NOSTRI UTENSILI



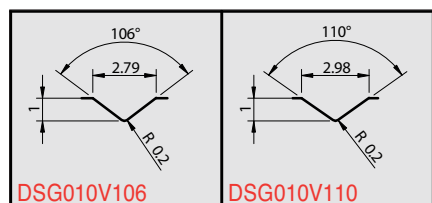
Misure e profili speciali saranno eseguiti su richiesta

ART. DSG010

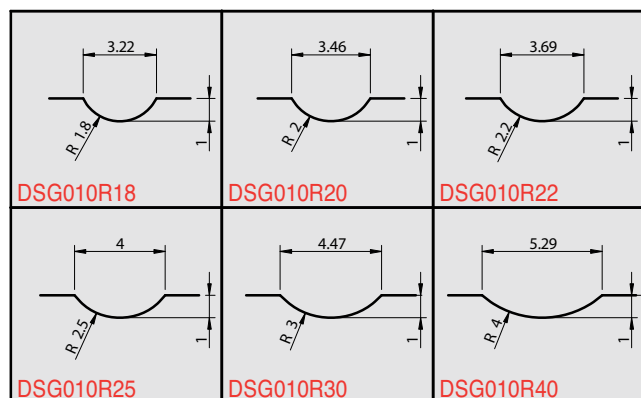
Ø6 Z1 att. Ø 6x50 LT mm

CORPO IN HM

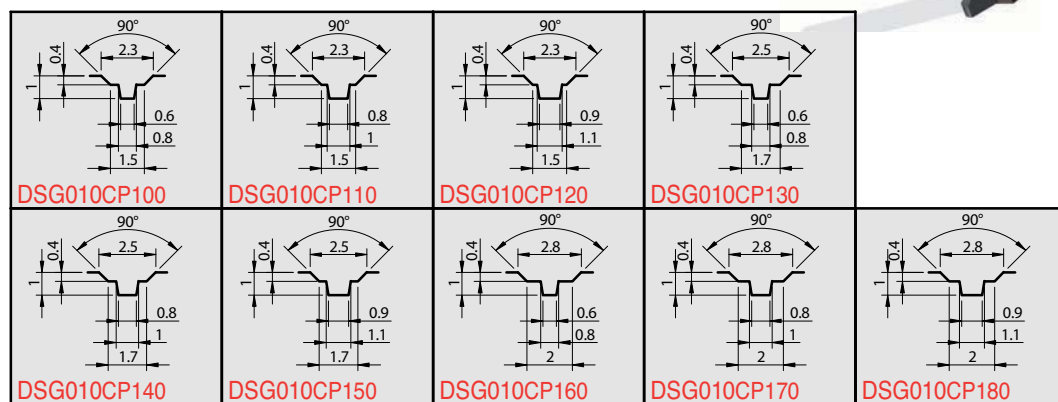
Da montare su macchina BIEMMEPI, KRAINBERGER, LM



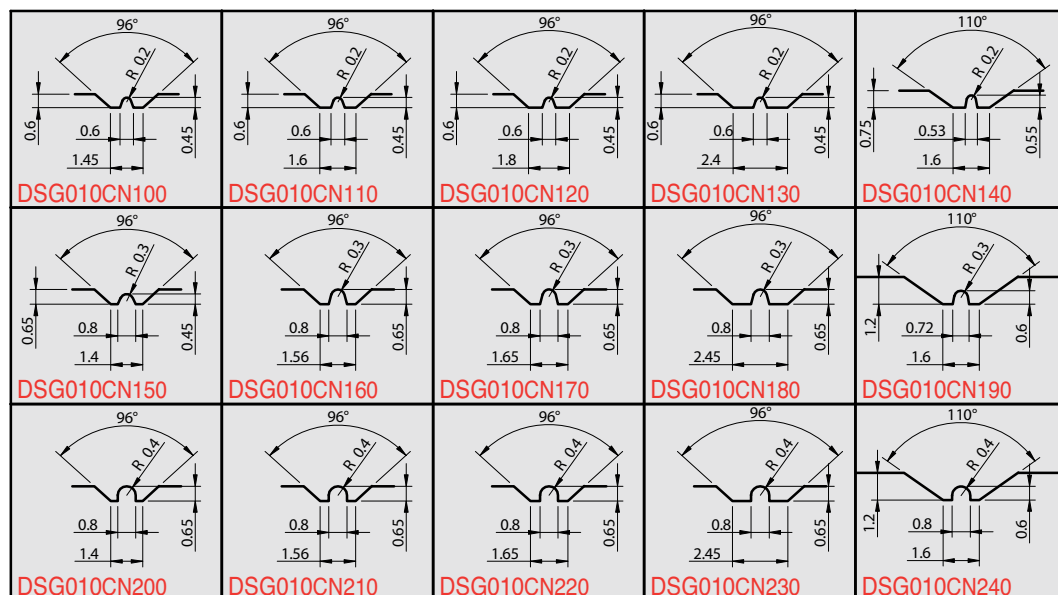
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DSG010V99*



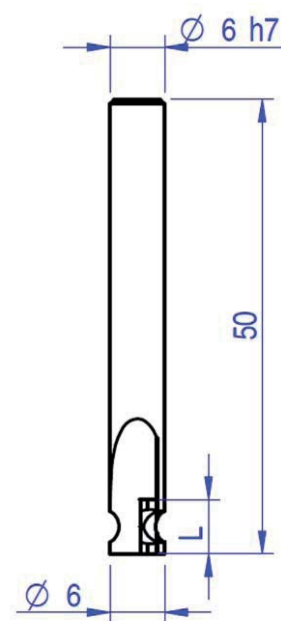
Spec.
DSG010R99*



Spec.
DSG010CP99*



Spec.
DSG010CN99*

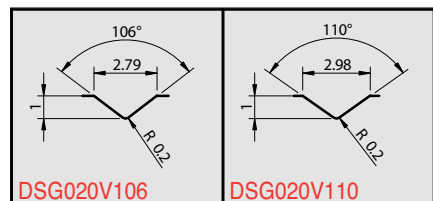


ART. DSG020

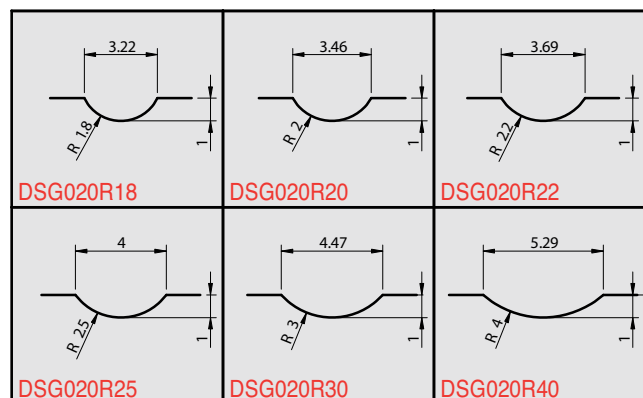
Ø8 Z2 att. Ø10x62 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

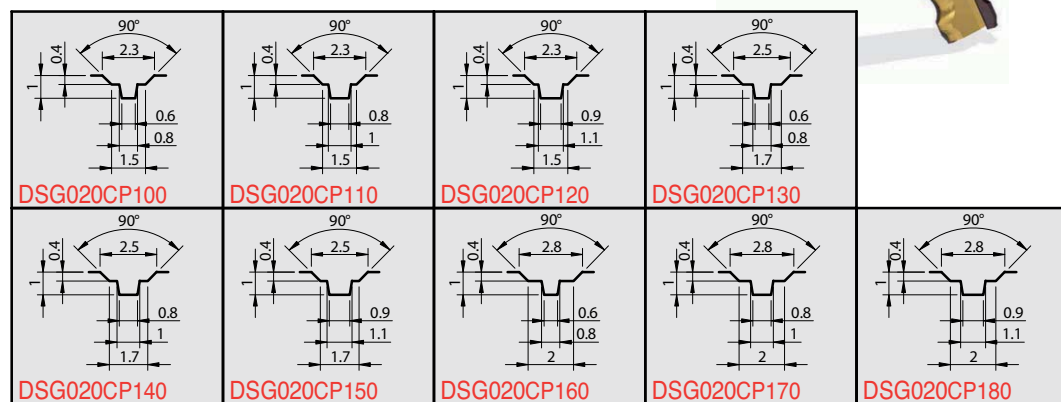
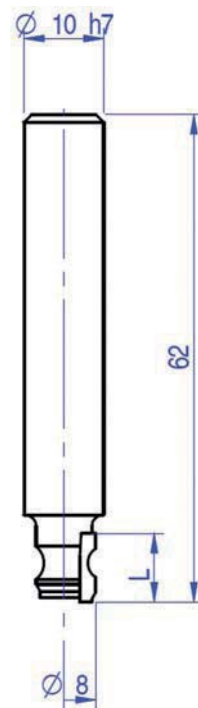
Da montare su macchina BIEMMEPI



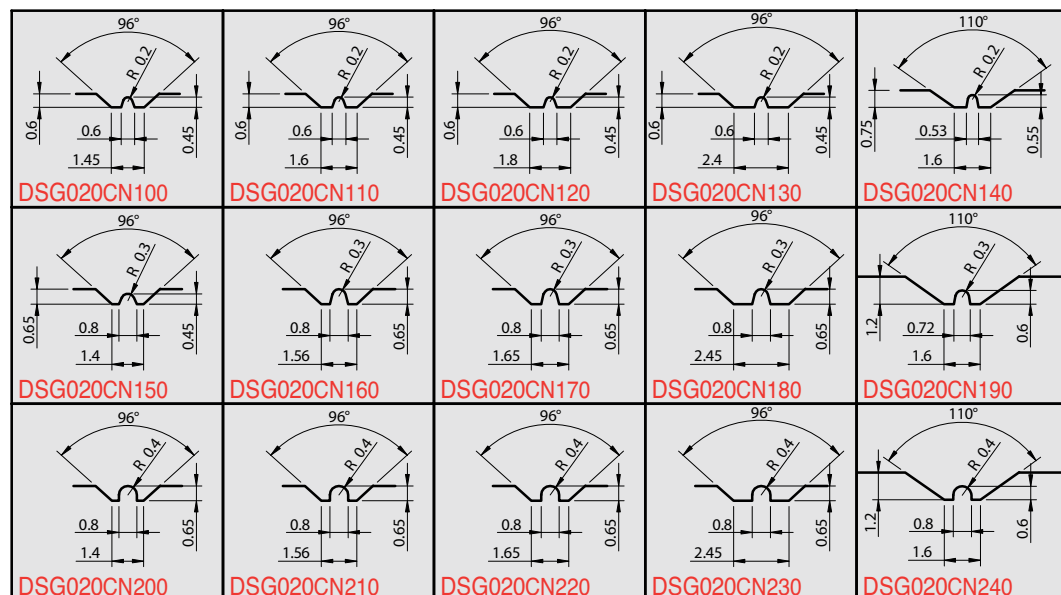
Spec.
DSG020V99*



Spec.
DSG020R99*



Spec.
DSG020CP99*

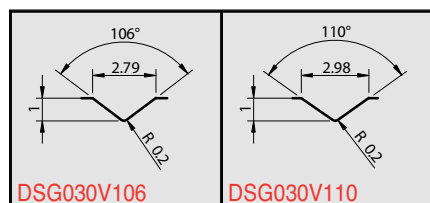


Spec.
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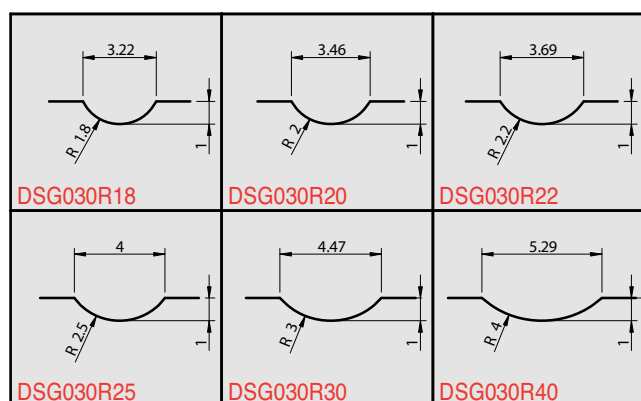
ART. DSG030 Ø10 Z2 att. Ø 6x50 LT mm - con foro centrale 3 mm

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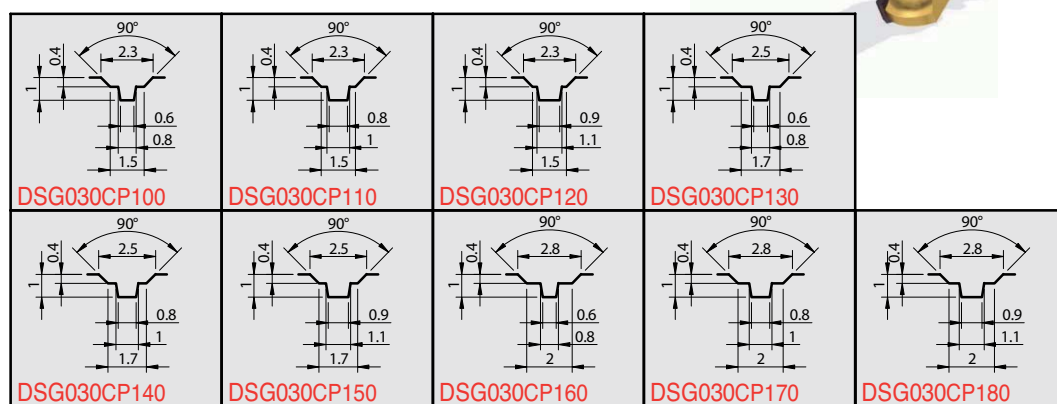
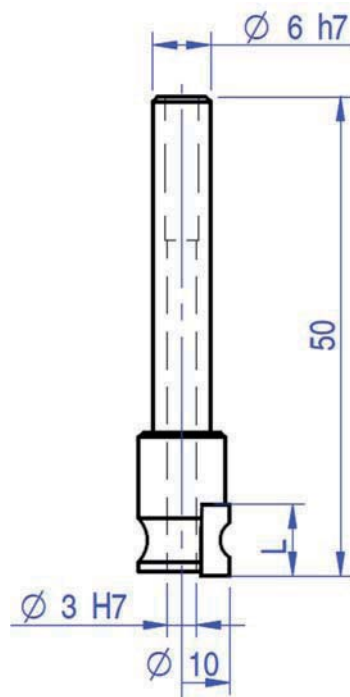
Da montare su macchina KRAINBERGER



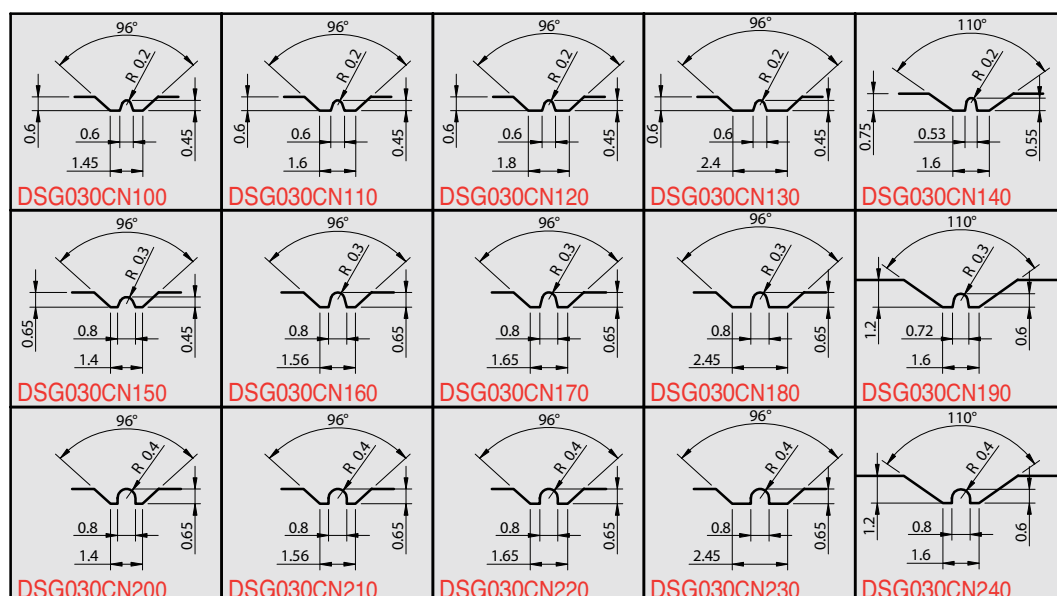
Spec.
DSG030V99*



Spec.
DSG030R99*



Spec.
DSG030CP99*



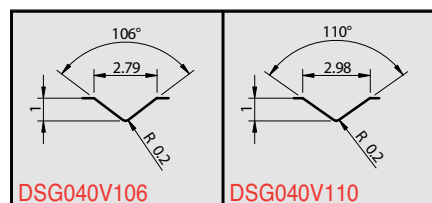
Spec.
DSG030CN99*

ART. DSG040

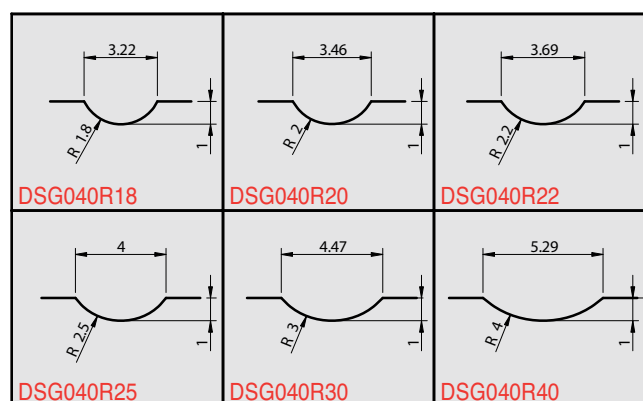
Ø10 Z2 att. Ø 10x50 LT mm - con foro centrale 3 mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

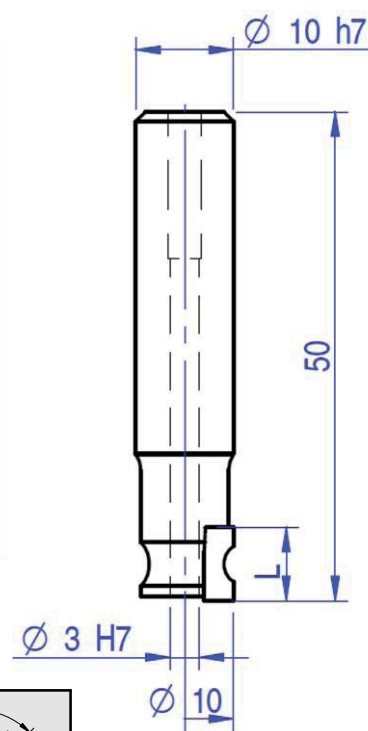
Da montare su macchina BIEMMEPI



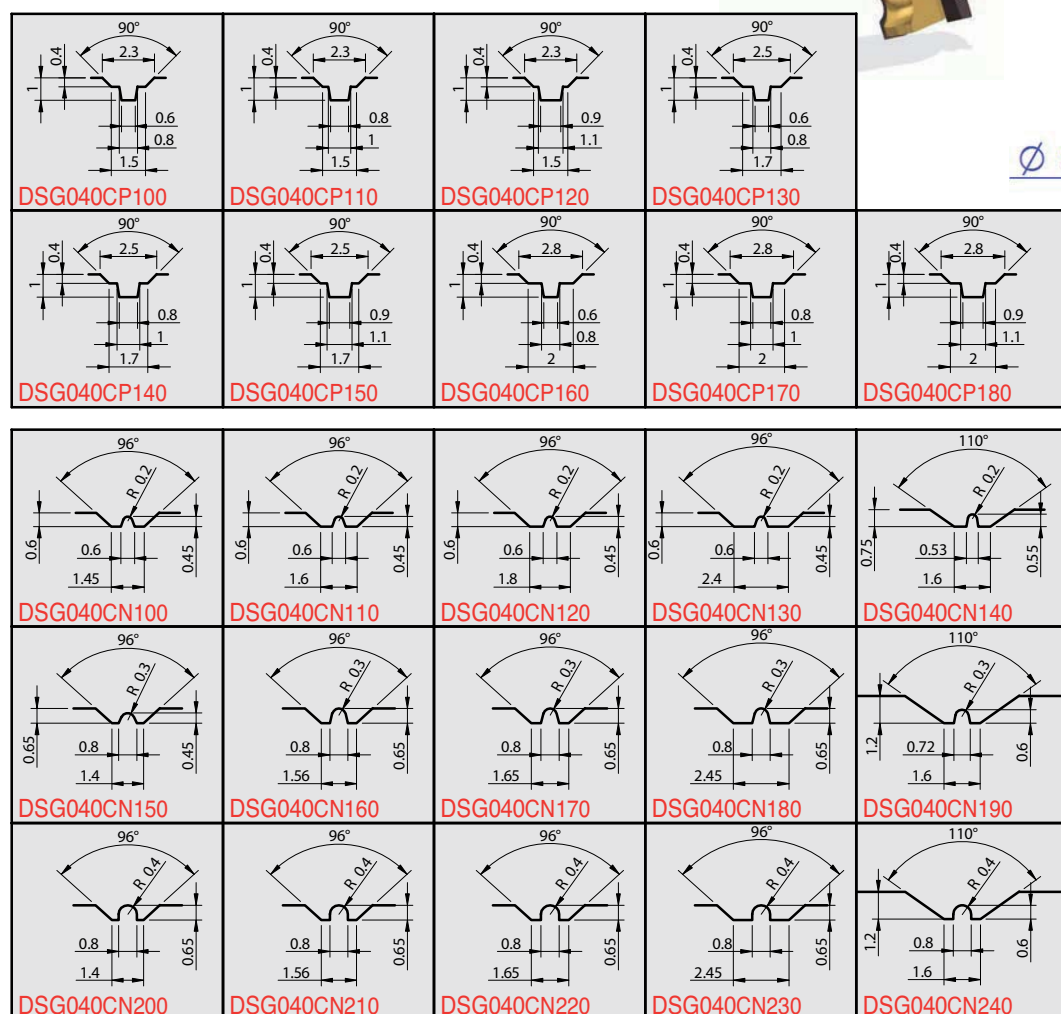
Spec.
DSG040V99*



Spec.
DSG040R99*



Spec.
DSG040CP99*



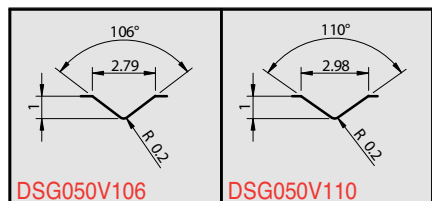
Spec.
DSG040CN99*

ART. DSG050

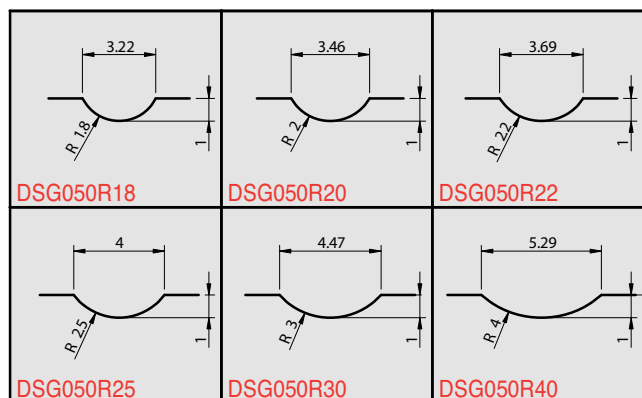
Ø13 Z2 att. Ø 10x62 LT mm - con foro centrale 3 mm

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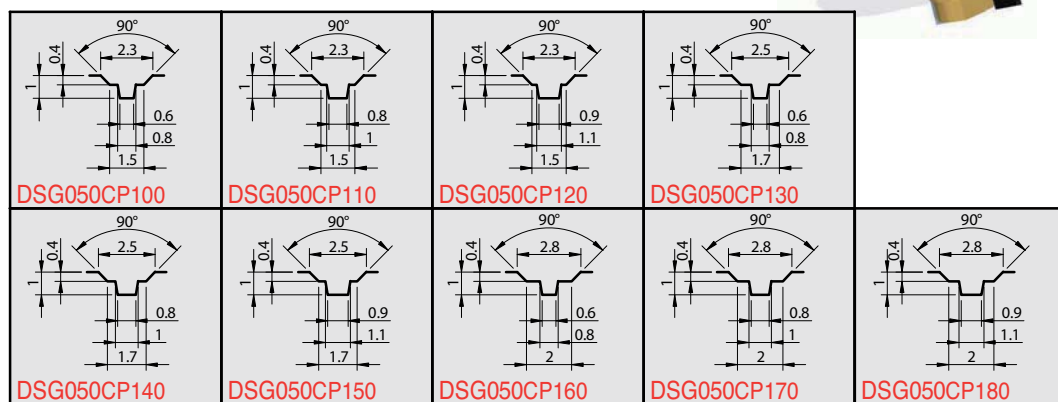
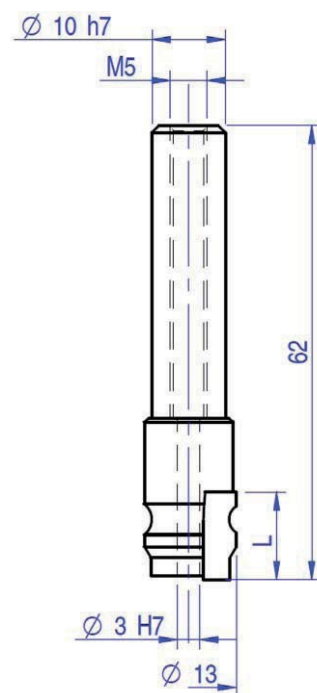
Da montare su macchina BIEMMEPI



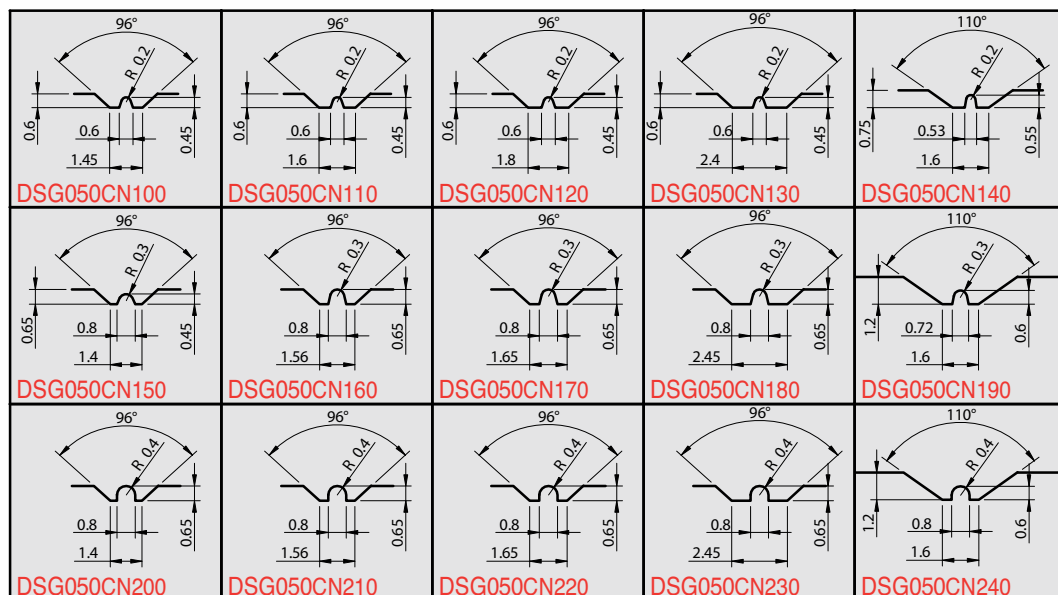
Spec.
DSG050V99*



Spec.
DSG050R99*



Spec.
DSG050CP99*



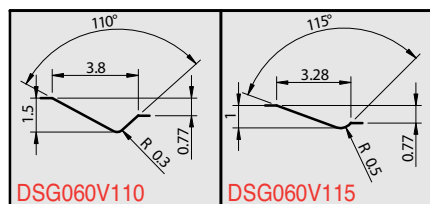
Spec.
DSG050CN99*

ART. DSG060

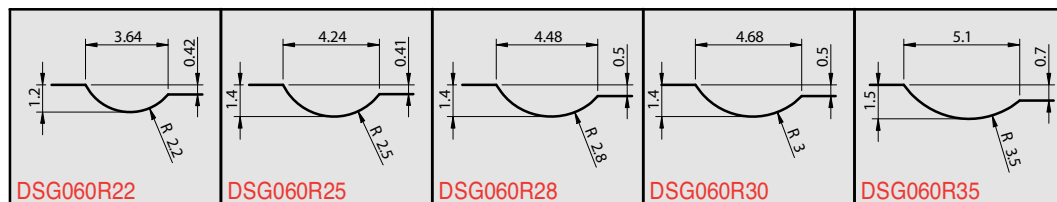
Ø10 Z2 att. Ø 10x50 LT mm - con foro centrale 3 mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

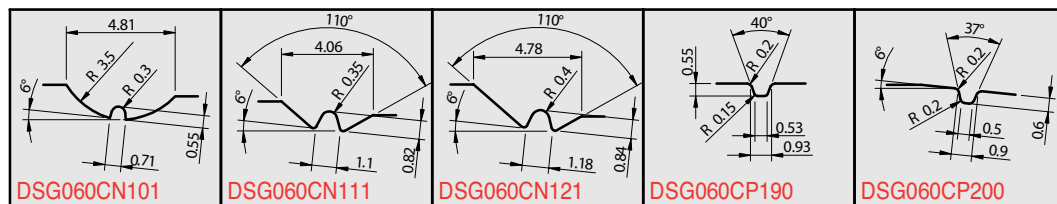
Da montare su macchina SPHERA



Spec.
DSG060V99*

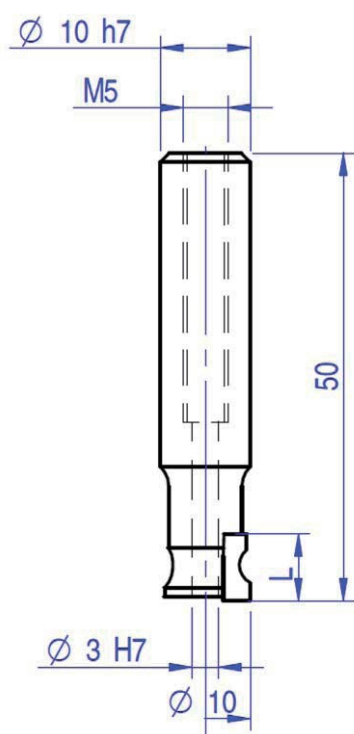


Spec.
DSG060R99*



Spec.
DSG060CP99*

Spec.
DSG060CN99*

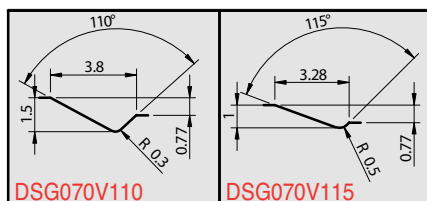


ART. DSG070

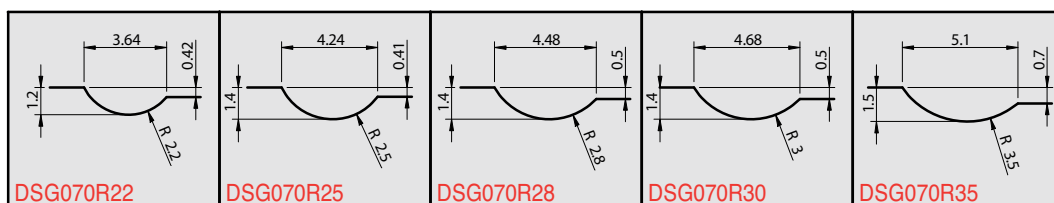
Ø12 Z2 att. Ø 10x55 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

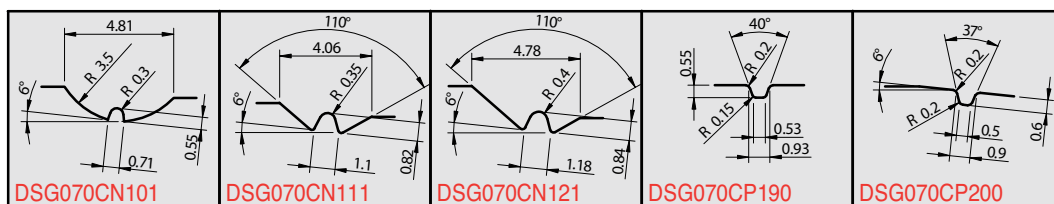
Da montare su macchina SPHERA



Spec.
DSG070V99*

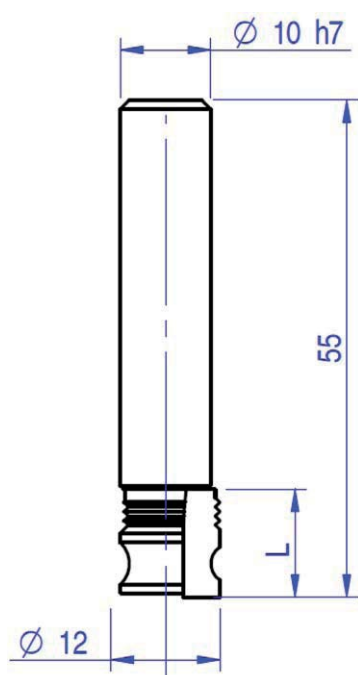


Spec.
DSG070R99*



Spec.
DSG070CP99*

Spec.
DSG070CN99*

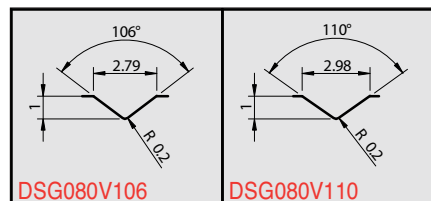


ART. DSG080

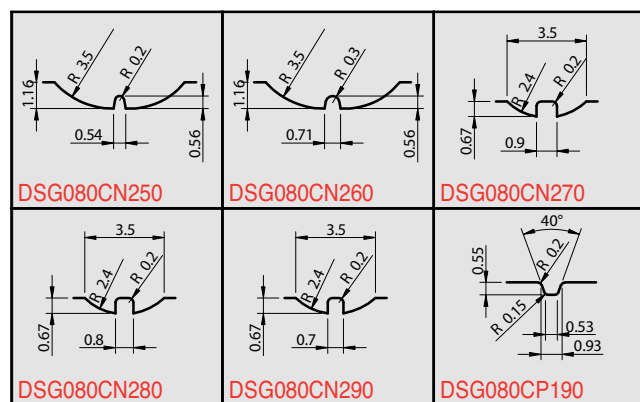
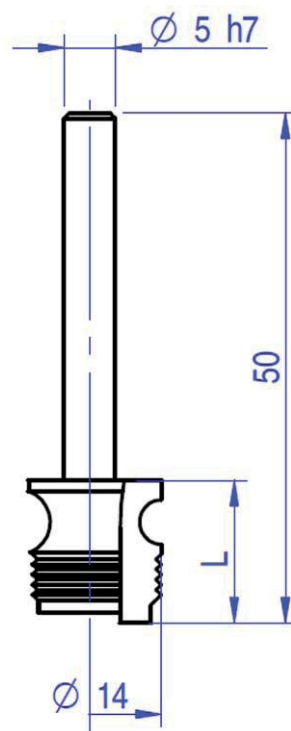
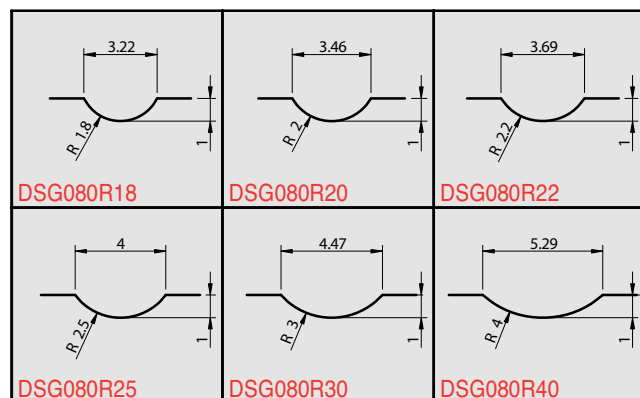
Ø14 Z2 att. Ø 5x50 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

Da montare su macchina LM

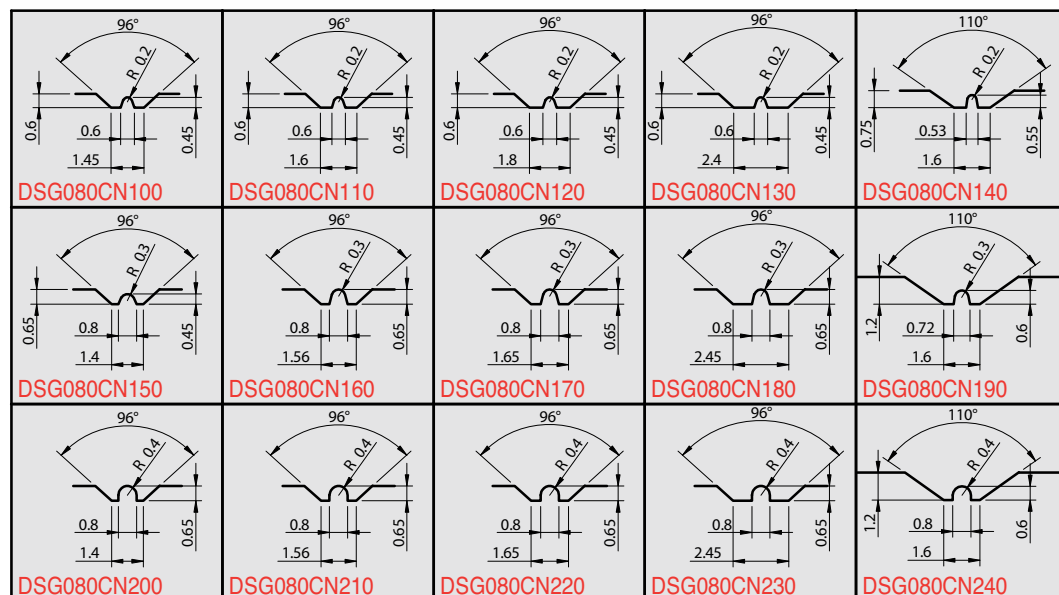


Spec.
DSG080V99*



Spec.
DSG080CN99*

Spec.
DSG080CP99*



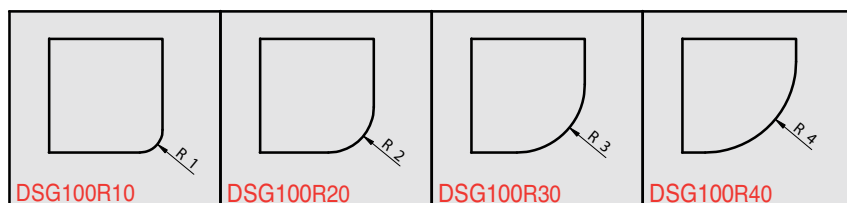
Spec.
DSG080CN99*

ART. DSG100

Ø da 12 a 38 Z2 att Ø 8x50 LT mm

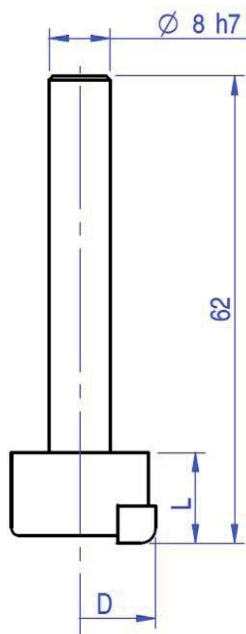
CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

Da montare su macchina CNC



Spec.
DSG100R99*

Ø 12	DSG100R1012	DSG100R2012	DSG100R3012	DSG100R4012
Ø 14	DSG100R1014	DSG100R2014	DSG100R3014	DSG100R4014
Ø 16	DSG100R1016	DSG100R2016	DSG100R3016	DSG100R4016
Ø 20	DSG100R1020	DSG100R2020	DSG100R3020	DSG100R4020
Ø 25	DSG100R1025	DSG100R2025	DSG100R3025	DSG100R4025
Ø 30	DSG100R1030	DSG100R2030	DSG100R3030	DSG100R4030
Ø 38	DSG100R1038	DSG100R2038	DSG100R3038	DSG100R4038



ESEMPIO DI CODIFICA ART. DSG100 CON RAGGIO 1 mm E Ø 12

DSG100

R10

12

TIPOLOGIA UTENSILE

FORMA PROFILO

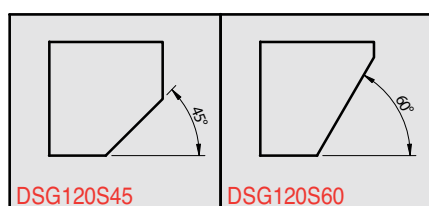
DIAMETRO

ART. DSG120

Ø da 12 a 38 Z2 att Ø 8x50 LT mm

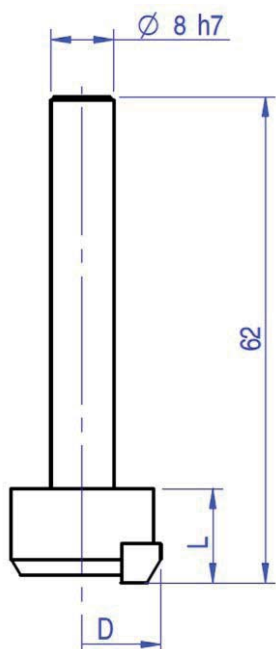
CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

Da montare su macchina CNC



Spec.
DSG120S99*

Ø 12	DSG120S4512	DSG120S6012
Ø 14	DSG120S4514	DSG120S6014
Ø 16	DSG120S4516	DSG120S6016
Ø 20	DSG120S4520	DSG120S6020
Ø 25	DSG120S4525	DSG120S6025
Ø 30	DSG120S4530	DSG120S6030
Ø 38	DSG120S4538	DSG120S6038



ESEMPIO DI CODIFICA ART. DSG120 CON SMUSSO 45° mm E Ø 12

DSG120 S45 12

TIPOLOGIA UTENSILE

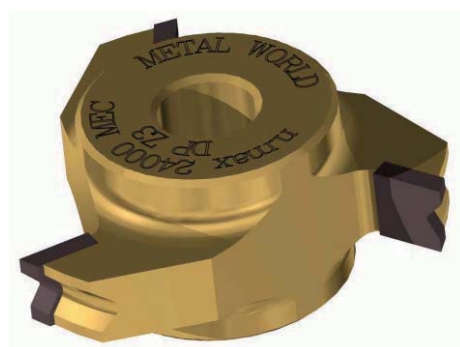
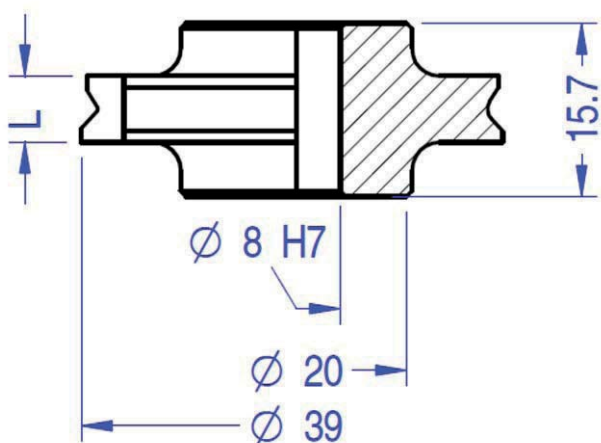
FORMA PROFILO

DIAMETRO

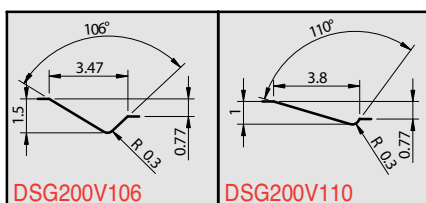
ART. DSG200 Ø39 Z3 foro Ø 8x15.7 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

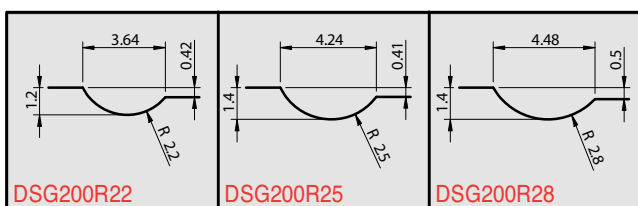
Da montare su macchina BAIOCCHI



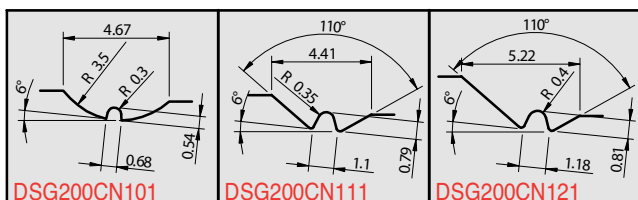
ORARIA DX



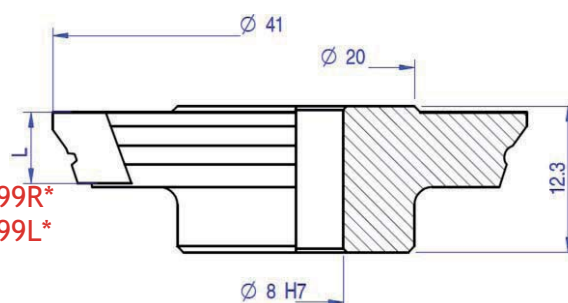
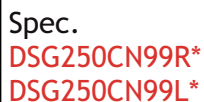
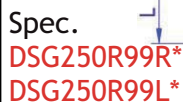
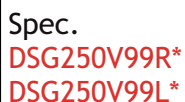
Spec.
DSG200V99*



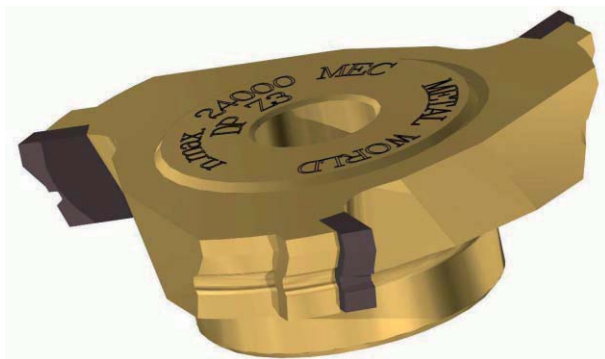
Spec.
DSG200R99*



Spec.
DSG200CN99*



ORARIA DX



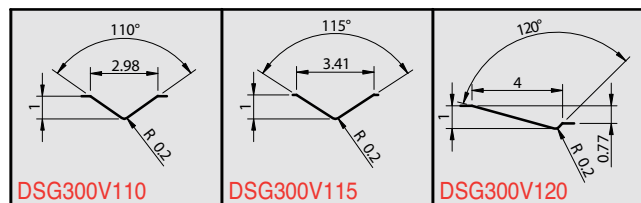
ANTIORARIA SX

ART. DSG300

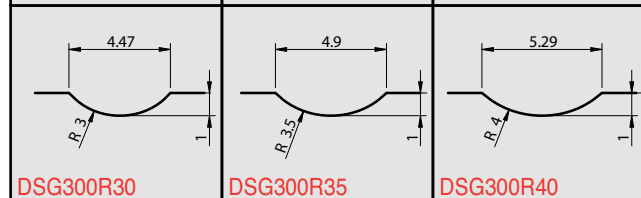
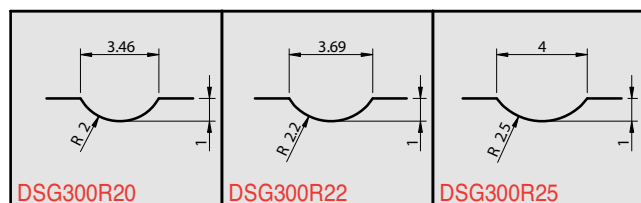
Ø42 Z3 foro Ø 12x20 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

Da montare su macchina LM

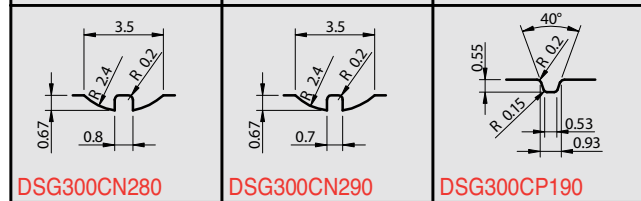
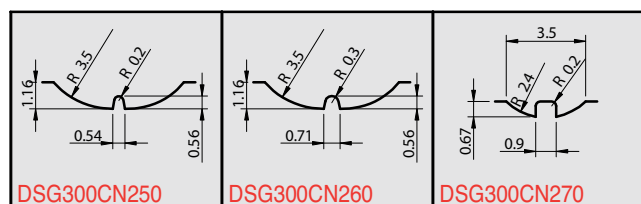


Spec.
DSG300V99*



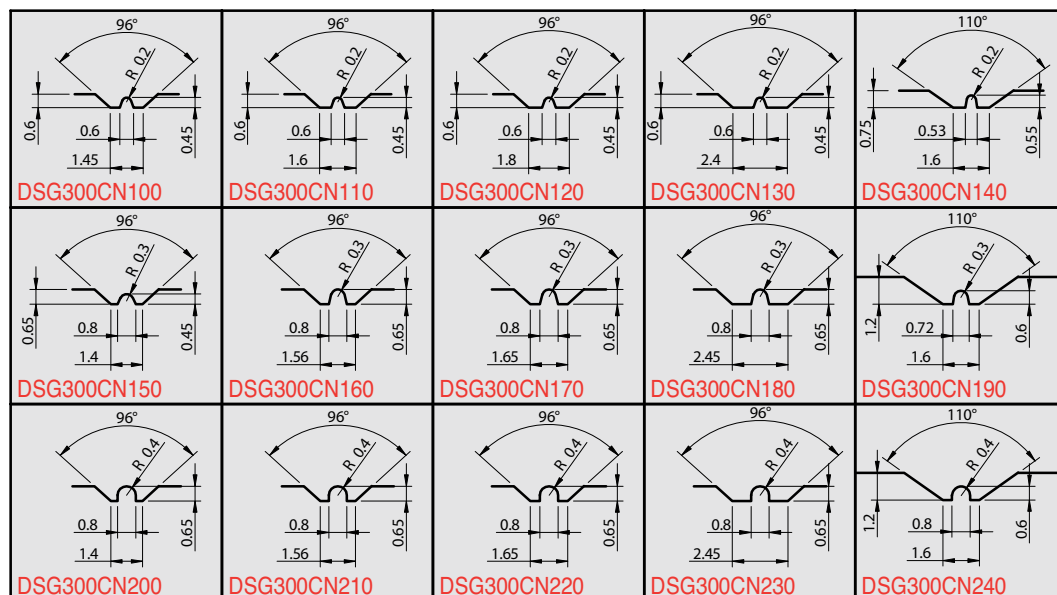
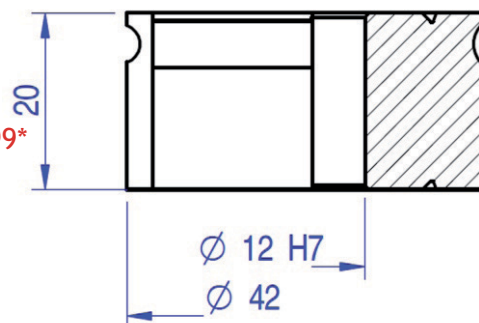
Spec.
DSG300R99*

ORARIA DX



Spec.
DSG300CN99*

Spec.
DSG300CP99*



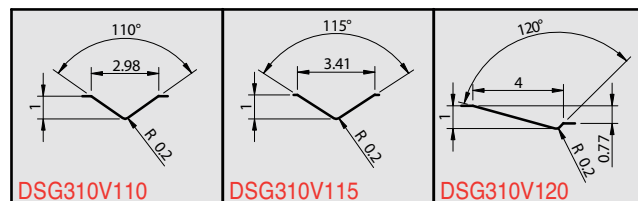
Spec.
DSG300CN99*

ART. DSG310

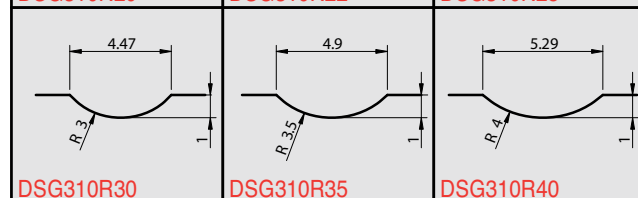
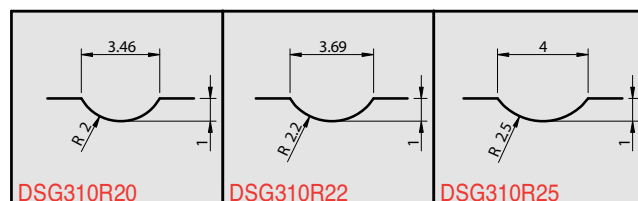
Ø23 Z3 foro Ø 12x20 LT mm

CORPO IN ACCIAIO LEGATO AD ALTA RESISTENZA

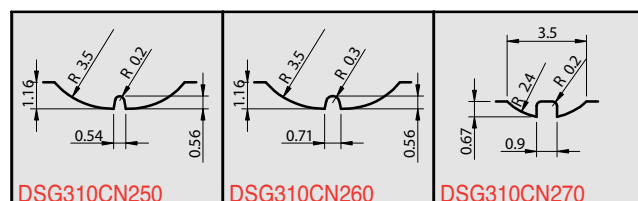
Da montare su macchina LM



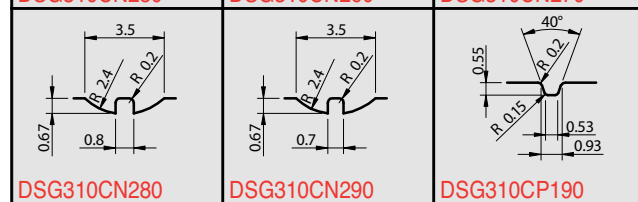
Spec.
DSG310V99*



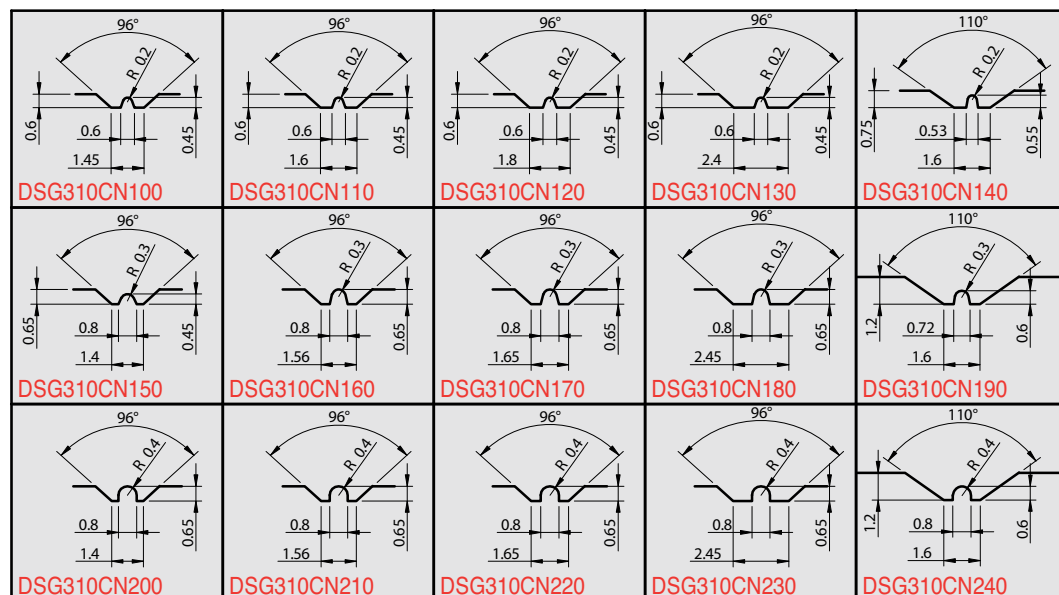
Spec.
DSG310R99*



Spec.
DSG310CN99*



Spec.
DSG310CP99*



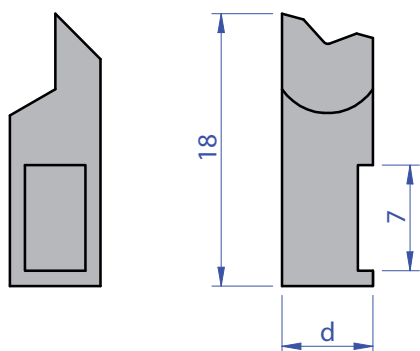
Spec.
DSG310CN99*



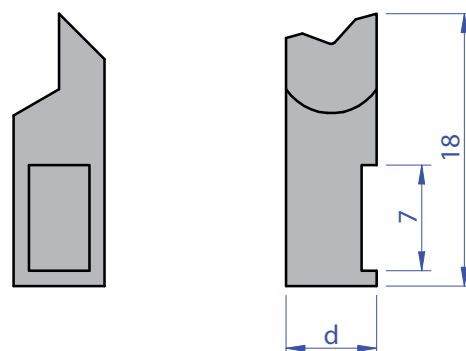
ORARIA DX

INSERTI PCD E HW PER FRESATURA LENTI
PCD AND HW CUTTERS FOR LENS SHAPING

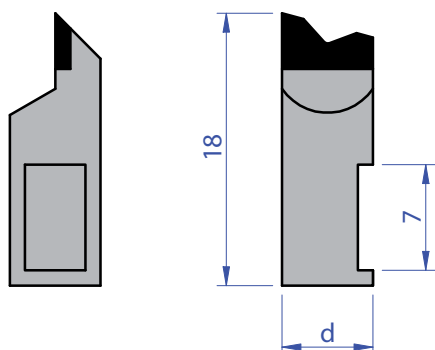
HW - RH



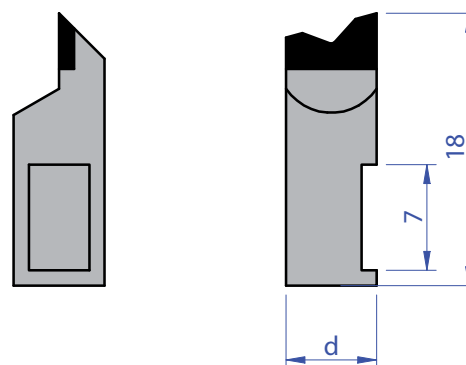
HW - LH



PCD - RH

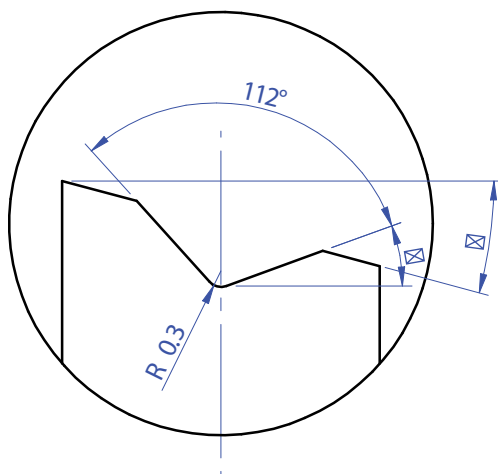


PCD - LH



BASE 6 $\square$ = 20°

BASE 8 $\square$ = 9°



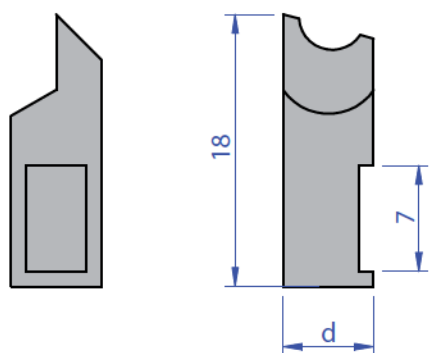
STANDARD d = 8

STANDARD d = 6

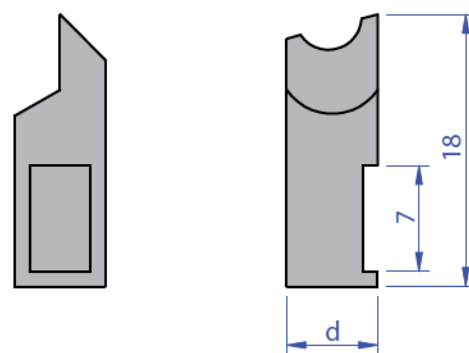
STANDARD $\square$ = 15°

INSERTI PCD E HW PER FRESATURA LENTI
PCD AND HW CUTTERS FOR LENS SHAPING

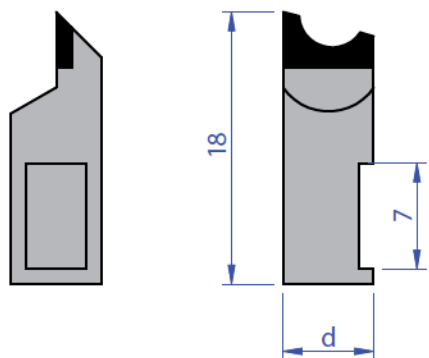
HW - RH



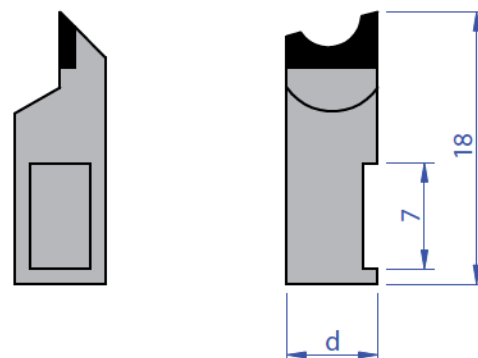
HW - LH



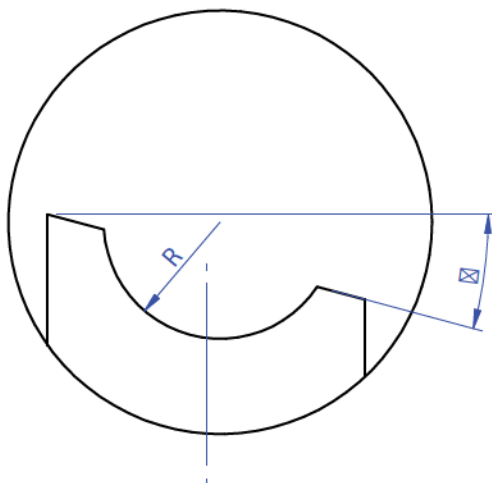
PCD - RH



PCD - LH



R = 1.8
R = 2.0
R = 2.2
R = 2.4
R = 2.6
R = 2.8
R = 3.0



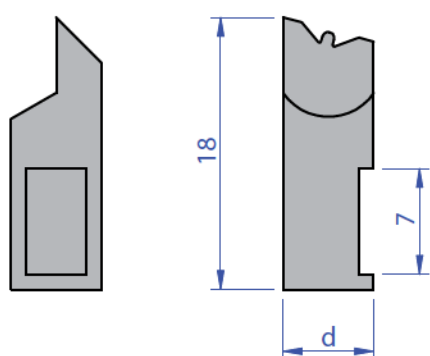
STANDARD d = 8

STANDARD d = 6

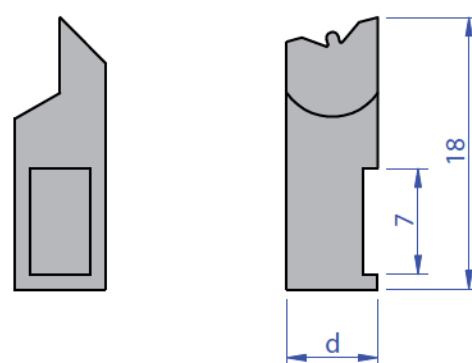
STANDARD $\angle$ = 15°

INSERTI PCD E HW PER FRESATURA LENTI
PCD AND HW CUTTERS FOR LENS SHAPING

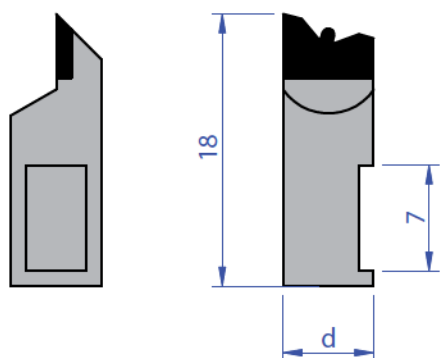
HW - RH



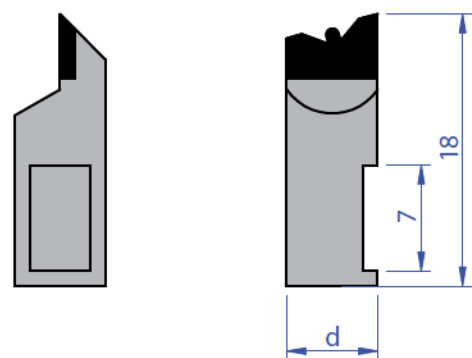
HW - LH



PCD - RH

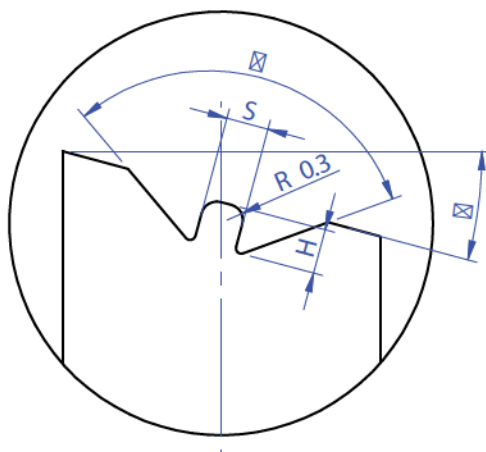


PCD - LH



S = 0.6 H = 0.65

S = 0.8 H = 0.85



STANDARD d = 8

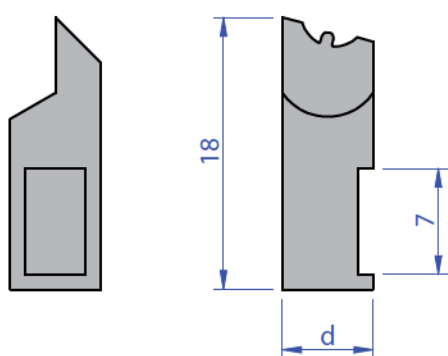
STANDARD d = 6

STANDARD $\angle$ = 15°

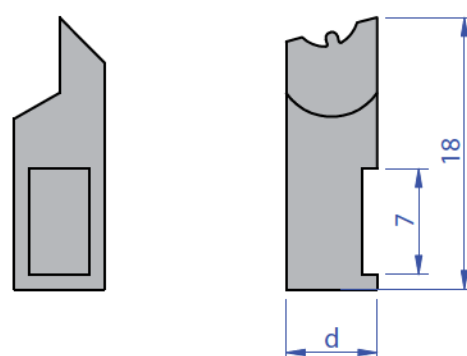
STANDARD $\angle$ = 110°

INSERTI PCD E HW PER FRESATURA LENTI
PCD AND HW CUTTERS FOR LENS SHAPING

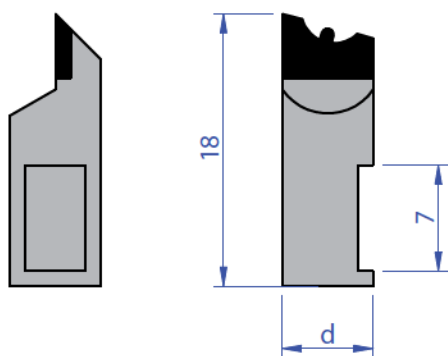
HW - RH



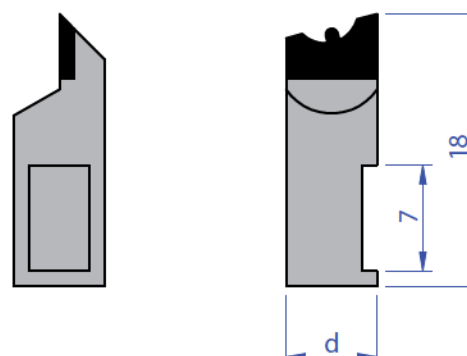
HW - LH



PCD - RH



PCD - LH



S = 0.6 H = 0.65

S = 0.8 H = 0.85

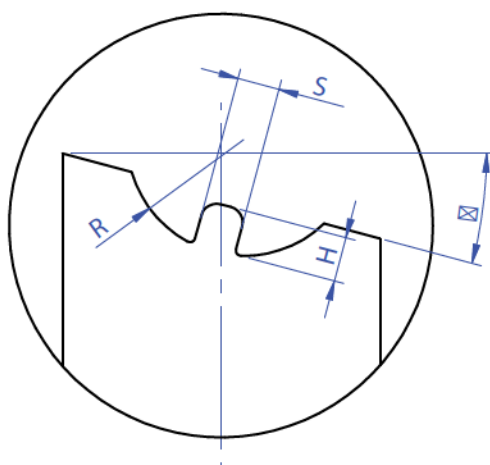
R = 2.2

R = 2.4

R = 2.6

R = 2.8

R = 3.0



STANDARD d = 8

STANDARD d = 6

STANDARD $\angle$ = 15°



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Via A. Sello, 1 - Z.I.A. San Mauro - Percoto

33050 Pavia di Udine

Tel.: +39 0432 686868

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E-mail: info@metalworld.it

Website: www.metalworld.it