

rineck

• Werkzeugtechnik



- CNC - Präzisionsbohrfutter
CNC - Drill chucks
Mandrini di precisione per
punte a forare

TOOLS ARE OUR PASSION  MADE IN GERMANY

Die Konstruktion und präzise Fertigung der CNC-Präzisionsbohrfutter von Rineck setzen Maßstäbe. Merkmale wie Rundlaufgenauigkeit, drehrichtungsunabhängige Spannsicherheit, kurze Spann- und Umrüstzeiten erfüllen die hohen Ansprüche des Marktes.

Mit der modularen Rineck-Schnittstelle können die CNC-Präzisionsbohrfutter mit allen Formen von maschinenseitigen Grundkörpern geliefert werden.

The design and the precise construction of the CNC precision drill chuck from Rineck set a benchmark. Characteristics such as concentricity, independence from rotational direction, secure holding, and rapid clamping and short change times, satisfy the high demands of the market. With the modular Rineck Interface, the CNC precision drill chuck is compatible with all forms of standard body on the machine side.

Il design ed una accurata fabbricazione dei mandrini di precisione CNC per punte a forare della Rineck, costituiscono un nuovo punto di riferimento. Caratteristiche come la concentricità, la sicurezza del bloccaggio indipendentemente dalla direzione di rotazione, la rapida chiusura ed il veloce cambio utensile soddisfano le più elevate richieste del mercato.

Con il sistema modulare Rineck, i mandrini di precisione CNC per punte a forare sono disponibili con tutte le forme di attacco richieste dalle moderne macchine utensili.



CNC-Präzisionsbohrfutter
für Rechts- und Linkslauf
mit und ohne Kühlmittel-
zuführung

CNC Drill chucks for clock-
wise and counter clockwise
rotation with or without
central coolant

Mandrini di precisione
CNC per punte a forare,
per rotazione oraria ed
anti-oraria, con o senza
refrigerazione interna

Typ

type

tipo

Seite

page

pagina

HSK-A40 - A100

04

HSK-E40 - E63

05

HSK-F40 - F63

06

PSC40 - 80

07

SK30 - 50

08

BT30 - 50

09

PIKTOGRAMME
PICTOGRAMS
LEGENDA



69 871

Steilkegel DIN 69 871
shank DIN 69 871
Attacco conico DIN 69 871



69 893-1

Hohlschaftkegel DIN 69 893-1
hollow taper shank DIN 69 983-1
Attacco conico HSK DIN 69 893-1



69 893-5

Hohlschaftkegel DIN 69 893-5
hollow taper shank DIN 69 983-5
Attacco conico HSK DIN 69 893-5



69 893-6

Hohlschaftkegel DIN 69 893-6
hollow taper shank DIN 69 983-6
Attacco conico HSK DIN 69 893-6



JIS B6339
(MAS403BT)

Steilkegel MAS-BT JIS B 6339
shank MAS-BT JIS B 6339
Attacco conico MAS-BT JIS B 6339



ISO
26623-1

Polygonschaftkegel ISO 26623-1
Polygonal taper interface ISO 26623-1
Attacco conico poligonale ISO 26623-1



PSC

Polygonschaftkegel ISO 26623-1
Polygonal taper interface ISO 26623-1
Attacco conico poligonale ISO 26623-1



AD/B

Innenkühlung wahlweise, zentral oder über Bund
internal coolant either central or radial
Refrigerante interno sia centrale, sia radiale



AD

Innenkühlung zentral
internal coolant central
Refrigerante interno centrale



Mit Innenkühlung
with internal cooling
Con refrigerazione interna

Das CNC-Bohrfutter der Extraklasse

The Top Class CNC Drill Chuck

Il mandrino di precisione CNC per punte a forare, al Top di classe

Stolz ist man bei Rineck auf die neue Produktlinie „Bohrfutter der Extraklasse“, die einen weiteren Lückenschluss bei der bereits bestehenden Variantenvielfalt des Produktportfolios im Bereich Spann-technik bedeutet.

Der Futterkörper ist aus Werkzeugstahl gefertigt und hat durchgängig eine Festigkeit von 54 + 2 HRC.

Der Schneckenradantrieb (Schnecke,- Schneckenrad, Schneckenradlager sowie die Abdichtung) sind in der Werkzeugaufnahme zentrisch integriert, so dass bei dieser Konstruktion weder radiale noch axiale Kräfte Einfluss auf den Spannechanismus haben. Eine lange Lebensdauer ist somit gewährleistet.

- Anzugsmomente 10–15 Nm
- Werkzeughaltemomente bis ~ 60 Nm
- Rechts- Linkslauf bestens geeignet durch selbsthemmendes Getriebe
- Rundlauf < 0,03

Lieferbar in

- SK30 bis SK50
- BT30 bis BT50
- HSK-40 bis HSK100
(in den Ausführungen A, E und F)
- PSC40 bis PSC80
- in Sonderausführungen auf Anfrage

We at Rineck are proud of our new product line „Top Class Drill Chucks“ which signifies another important component in the already existing wide variety of our products in the field of clamping technology.

The chuck body is produced from tool steel and has a homogenous firmness of 54 + 2 HRC.

The worm drive (worm, worm gear, their bearings and seals) are centrally integrated in the assembly of the tool, and as a result of this design, neither radial nor axial forces have influence on the clamping mechanism.

A long service life is thus guaranteed.

- Starting torques of 10 -15 Nm
- Tool holding torques up to ~ 60 Nm
- Clockwise and counter clockwise rotation highly suitable through self-locking transmission.
- Concentricity < 0,03

Available in:

- SK30 to SK50
- BT30 to BT50
- HSK-40 to HSK100
(in the versions A, E and F)
- PSC40 to PSC80
- Special versions on request

Noi, alla Rineck, siamo orgogliosi della nuova linea di „Mandrini per punte a forare di Extra Classe“. Essa rappresenta un nuovo importante tassello nella vasta linea dei nostri prodotti nel mondo della tecnologia del bloccaggio utensili.

Il corpo del mandrino è prodotto con un acciaio per utensili e viene temprato alla durezza omogenea di 54 HRC. Il sistema di bloccaggio (la vite senza fine, la sua ruota dentata, i cuscinetti relativi e le loro guarnizioni) è integrato in posizione centrale, e di conseguenza nessuna forza radiale o assiale può influenzare il meccanismo di bloccaggio. E' così garantita una lunga vita al mandrino

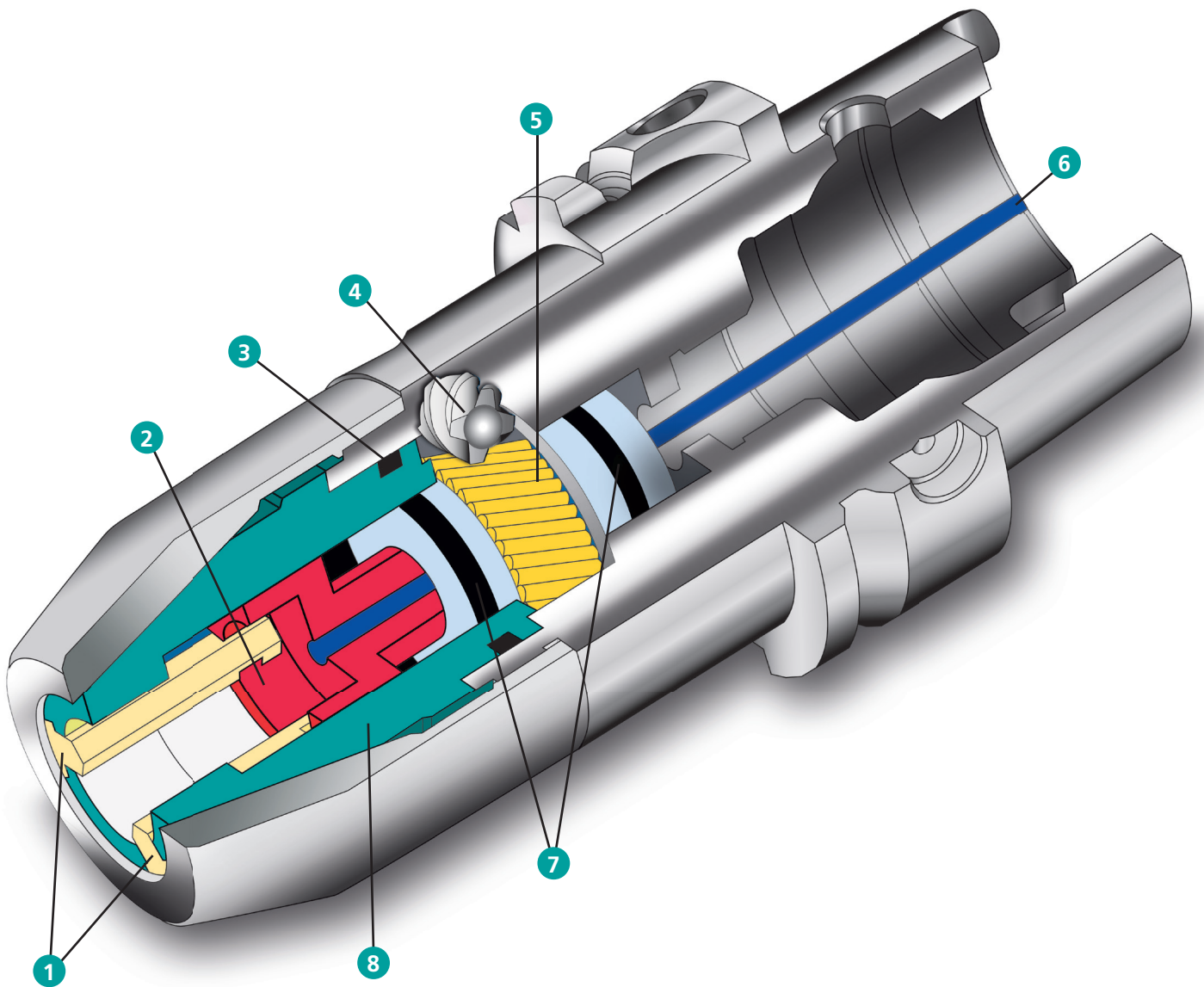
- Coppia iniziale di 10 - 15 Nm
- Coppia finale di bloccaggio fino a 60 Nm
- Rotazione oraria ed anti-oraria senza problemi, grazie a trasmissione auto-bloccante.
- Concentricità entro 0,03 mm.

Disponibilità in:

- SK30 SK40 ed SK50
- BT30 BT40 e BT50
- da HSK-40 ad HSK-100
(nelle versioni A, E ed F)
- da PSC40 fino a PSC80
- attacchi speciali su richiesta



Einfachste Bedienung durch mitgelieferten Torx T25 Quergriffschlüssel (verschleißfester als Sechskantstiftschlüssel)
Simple operation using the supplied T-grip key (Torx T25) which is more wear resistant than a normal hexagonal key
Semplice impiego, con l'utilizzo della chiave Torx T25 (inclusa nella confezione), che offre una resistenza migliore rispetto alla normale chiave esagonale



- 1 Spannbacken
- 2 Backenantrieb
- 3 Abdichtung Backenführung
- 4 Schnecke
- 5 Schneckenrad
- 6 IKZ
- 7 Abdichtung Getriebe
- 8 Backenführung

- 1 Griffe di bloccaggio
- 2 Elemento muovi griffe
- 3 Guarnizione del guida-griffe
- 4 Vite senza fine
- 5 Ruota dentata
- 6 Refrigerazione interna
- 7 Guarnizioni scatola ingranaggi
- 8 Elemento scorrimento griffe

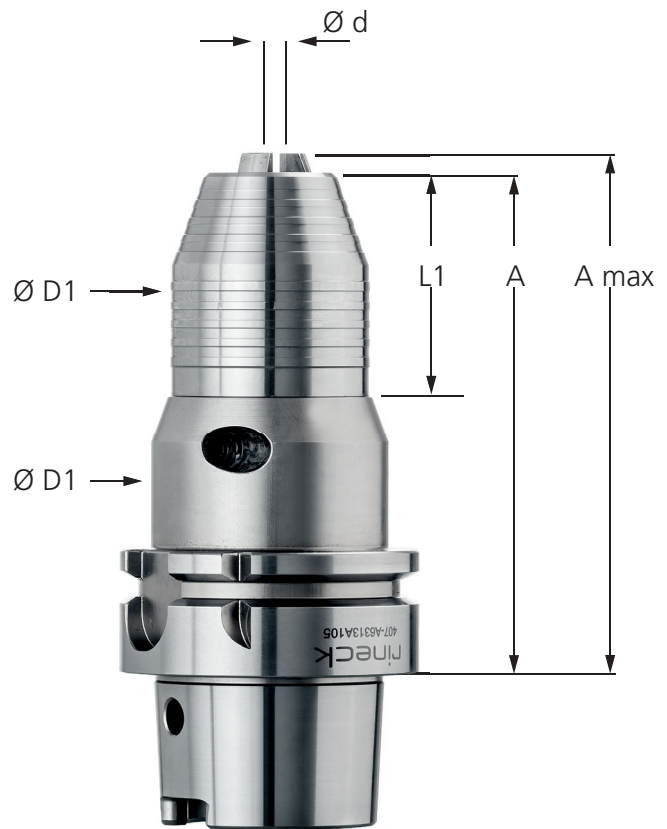
- 1 Clamping jaws
- 2 Jaws driver
- 3 Seal for jaws guide
- 4 Worm
- 5 Worm gear
- 6 Internal cooling
- 7 Seal for gearbox
- 8 Jaws guide

HSK A40 - A100

für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation
Per rotazione oraria
ed anti-oraria



69893-1

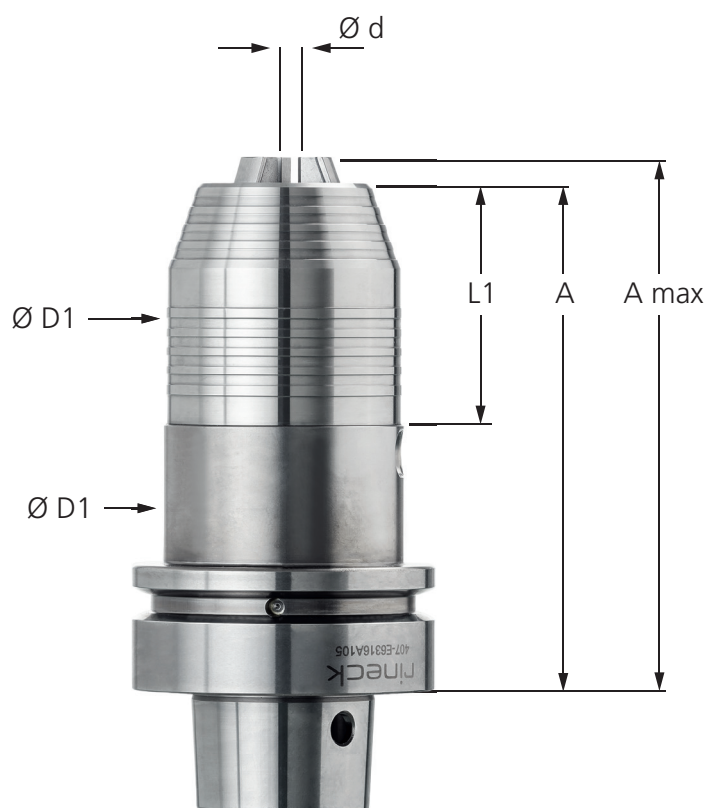


Bestell-Nr.	HSK	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407 - A4008A95	A40	0,5 - 8,0	95,0	97,5	34,5	45,0	40,0
407 - A5008A100	A50	0,5 - 8,0	100,0	102,5	34,5	45,0	40,0
407 - A5013A110	A50	1,0 - 13,0	110,0	119,0	42,0	50,0	47,0
407 - A5016A110	A50	2,5 - 16,0	110,0	121,0	49,0	50,0	50,0
407 - A6308A92	A63	0,5 - 8,0	92,0	94,5	34,5	45,0	40,0
407 - A6313A105	A63	1,0 - 13,0	105,0	114,0	42,0	50,0	47,0
407 - A6313A160	A63	1,0 - 13,0	160,0	169,0	42,0	50,0	47,0
407 - A6316A105	A63	2,5 - 16,0	105,0	116,0	49,0	50,0	50,0
407 - A8013A105	A80	1,0 - 13,0	105,0	114,0	42,0	50,0	47,0
407 - A8016A105	A80	2,5 - 16,0	105,0	116,0	49,0	50,0	50,0
407 - A10013A110	A100	1,0 - 13,0	110,0	119,0	42,0	50,0	47,0
407 - A10016A110	A100	2,5 - 16,0	110,0	121,0	49,0	50,0	50,0

für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation
Per rotazione oraria
ed anti-oraria



69893-5



Bestell-Nr.	HSK	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407 - E4008A95	E40	0,5 - 8,0	95,0	97,5	34,5	45,0	40,0
407 - E5008A100	E50	0,5 - 8,0	100,0	102,5	34,5	45,0	40,0
407 - E5013A110	E50	1,0 - 13,0	110,0	119,0	42,0	50,0	47,0
407 - E5016A110	E50	2,5 - 16,0	110,0	121,0	49,0	50,0	50,0
407 - E6313A105	E63	1,0 - 13,0	105,0	114,0	42,0	50,0	47,0
407 - E6316A105	E63	2,5 - 16,0	105,0	116,0	49,0	50,0	50,0

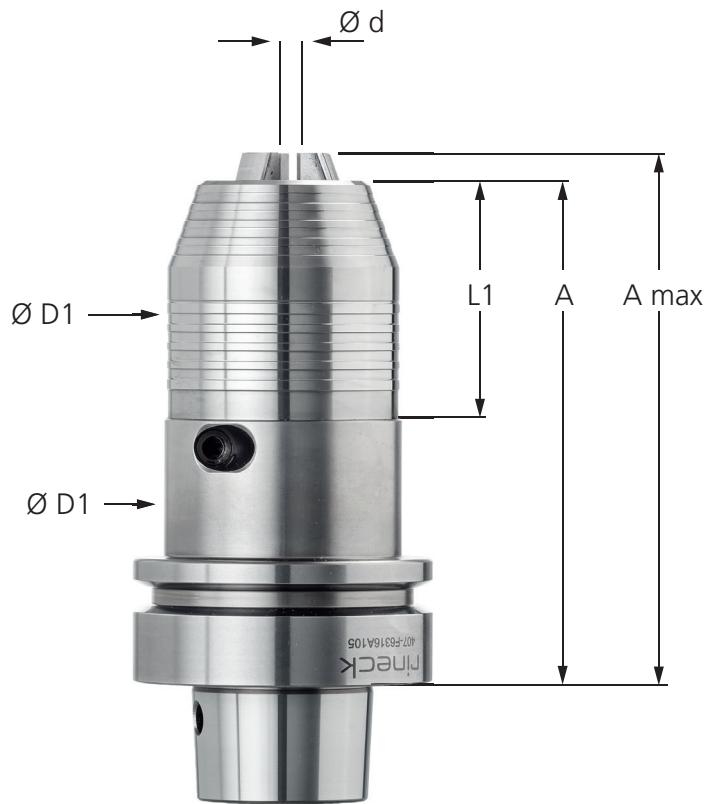


HSK
F40 - F63

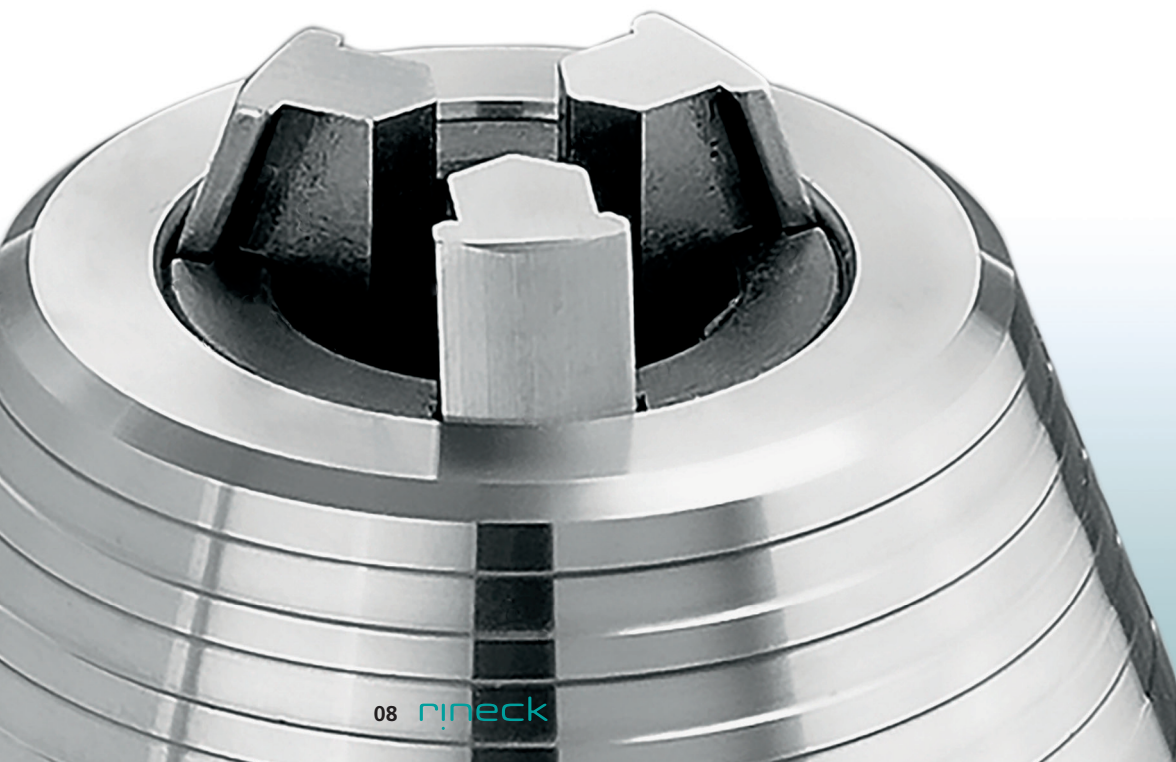
für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation
Per rotazione oraria
ed anti-oraria



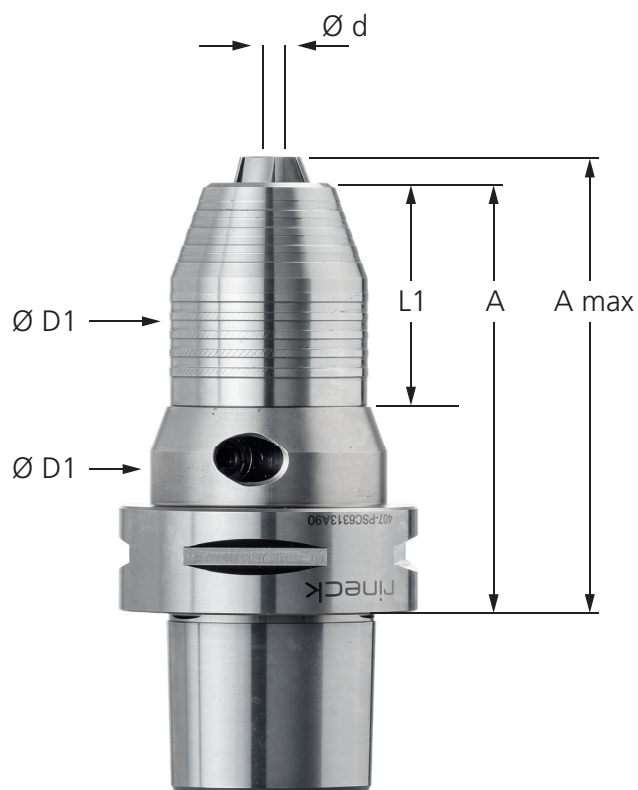
69893-6



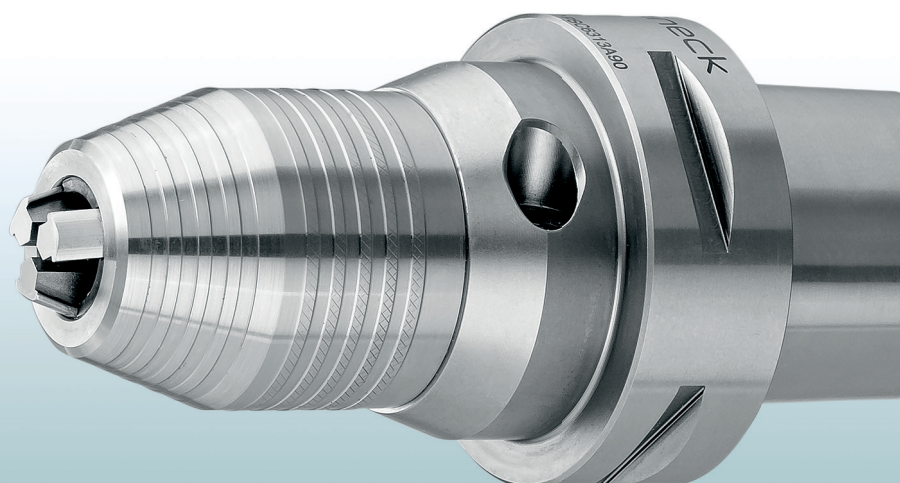
Bestell-Nr.	HSK	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407 - F4008A95	F40	0,5 - 8,0	95,0	97,5	34,5	45,0	40,0
407 - F5008A100	F50	0,5 - 8,0	100,0	102,5	34,5	45,0	40,0
407 - F5013A110	F50	1,0 - 13,0	110,0	119,0	42,0	50,0	47,0
407 - F5016A110	F50	2,5 - 16,0	110,0	121,0	49,0	50,0	50,0
407 - F6313A105	F63	1,0 - 13,0	105,0	114,0	42,0	50,0	47,0
407 - F6316A105	F63	2,5 - 16,0	105,0	116,0	49,0	50,0	50,0



für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation
Per rotazione oraria
ed anti-oraria



Bestell-Nr.	PSC	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407-PSC4008A80	40	0,5 - 8,0	80,0	82,5	34,5	45,0	40,0
407-PSC5008A80	50	0,5 - 8,0	80,0	82,5	34,5	45,0	40,0
407-PSC5013A90	50	1,0 - 13,0	90,0	99,0	42,0	50,0	47,0
407-PSC5016A90	50	2,5 - 16,0	90,0	101,0	49,0	50,0	50,0
407-PSC6308A85	63	0,5 - 8,0	85,0	87,5	34,5	45,0	40,0
407-PSC6313A95	63	1,0 - 13,0	95,0	104,0	42,0	50,0	47,0
407-PSC6316A95	63	2,5 - 16,0	95,0	106,0	49,0	50,0	50,0
407-PSC8013A100	80	1,0 - 13,0	100,0	109,0	42,0	50,0	47,0
407-PSC8016A100	80	2,5 - 16,0	100,0	111,0	49,0	50,0	50,0



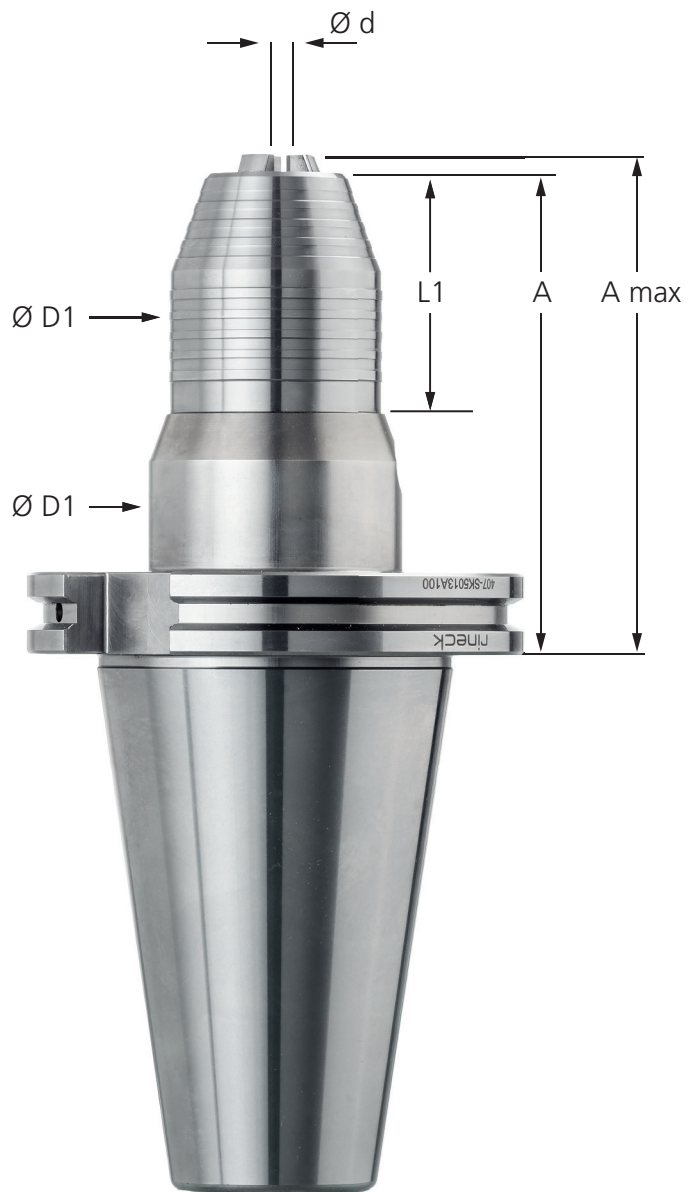
für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation
Per rotazione oraria
ed anti-oraria



69871



G6,3
8.000
min⁻¹



Bestell-Nr.	SK	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407 - SK3008A80	30	0,5 - 8,0	80,0	82,5	34,5	45,0	40,0
407 - SK4008A80	40	0,5 - 8,0	80,0	82,5	34,5	45,0	40,0
407 - SK4013A87	40	1,0 - 13,0	87,0	96,0	42,0	50,0	47,0
407 - SK4013A160	40	1,0 - 13,0	160,0	169,0	42,0	50,0	47,0
407 - SK4016A87	40	1,0 - 13,0	87,0	98,0	49,0	50,0	50,0
407 - SK4016A160	40	2,5 - 16,0	160,0	171,0	49,0	50,0	50,0
407 - SK5013A100	50	1,0 - 13,0	100,0	109,0	42,0	50,0	47,0
407 - SK5016A100	50	2,5 - 16,0	100,0	111,0	49,0	50,0	50,0

für Rechts- und Linkslauf
for clockwise
and anti clockwise rotation

Per rotazione oraria
ed anti-oraria



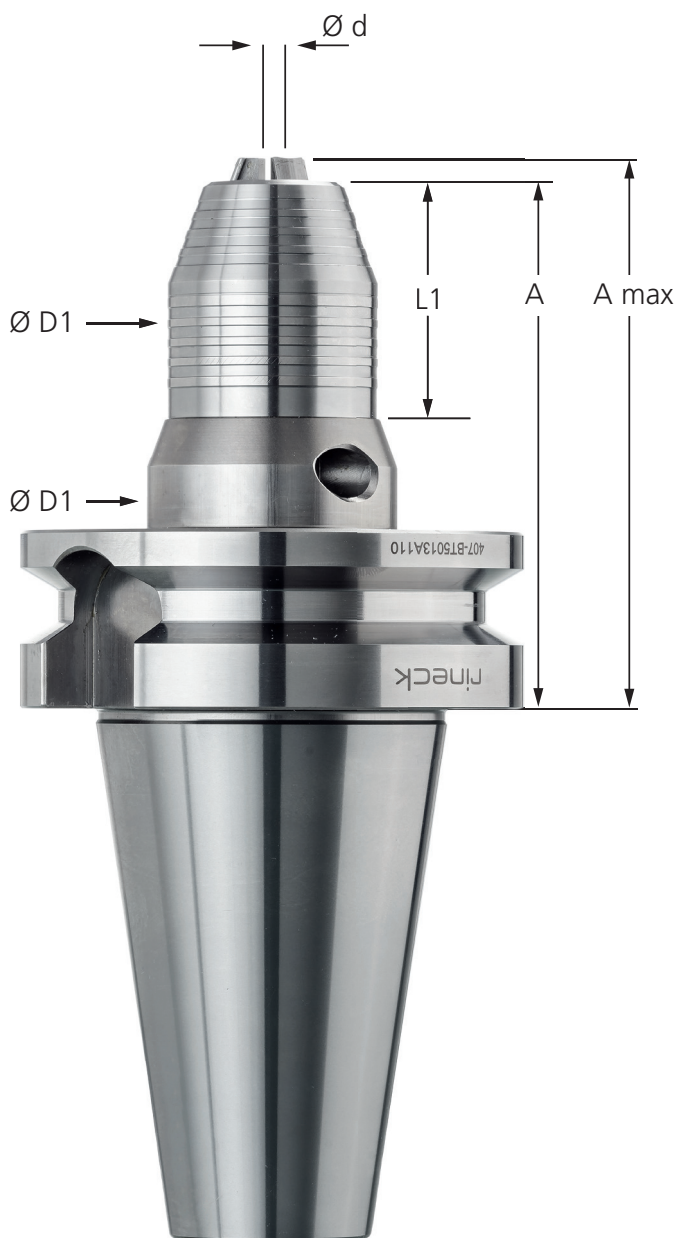
JIS B6339
(MAS403BT)



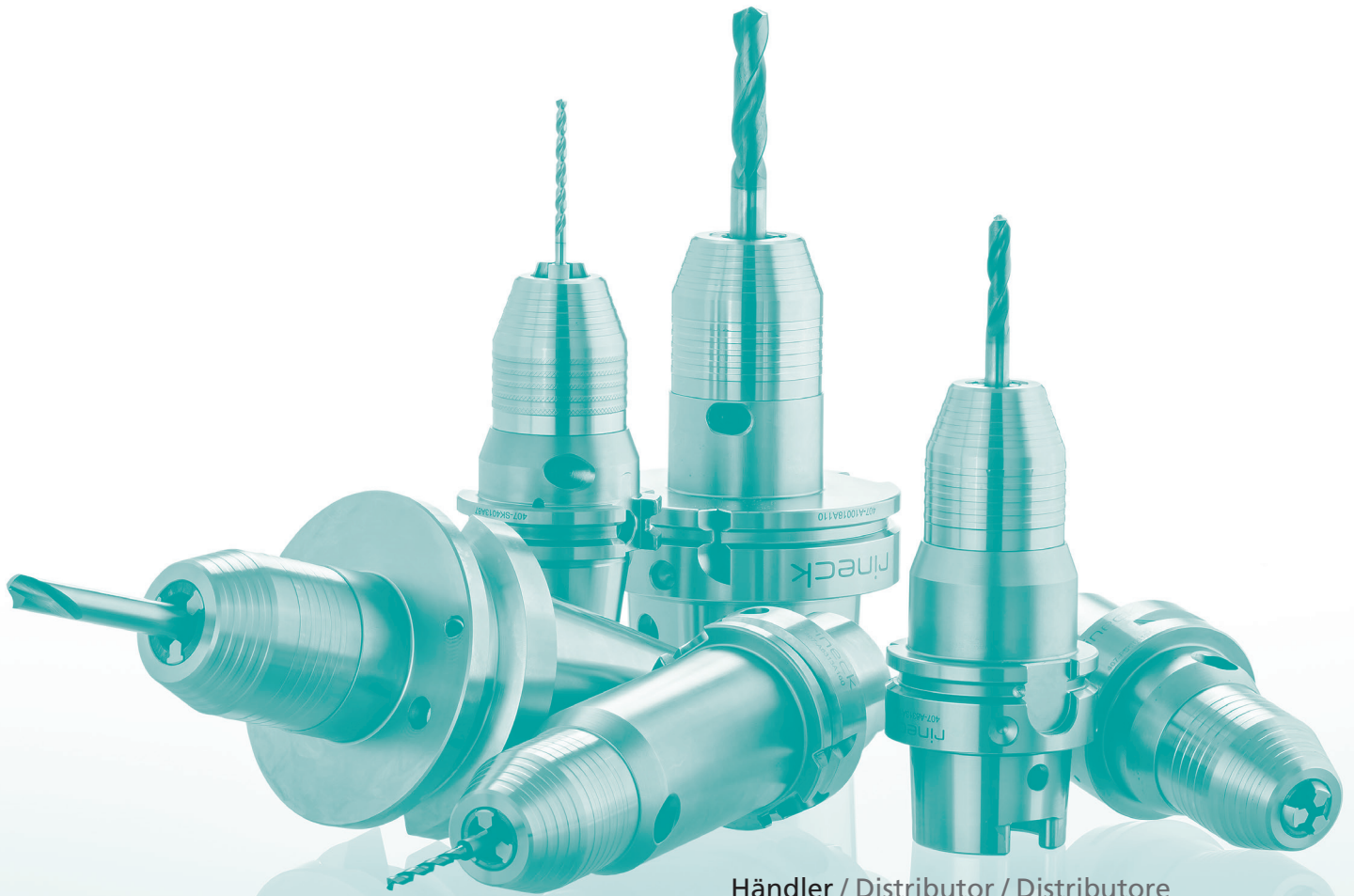
AD/B



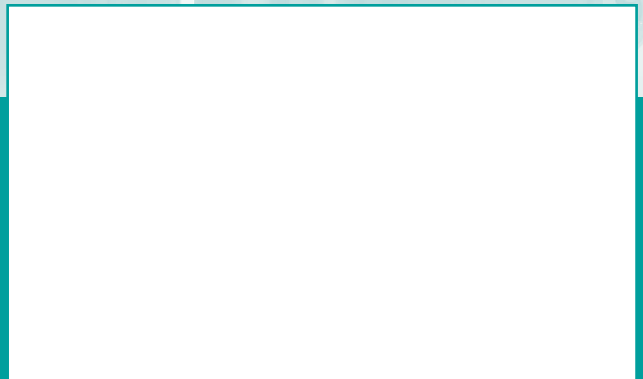
G6,3
8.000
min⁻¹



Bestell-Nr.	BT	Spannbereich Ø d	A	A max	Ø D1	Ø D2	L
order number Codice articolo		clamping range Campo di serraggio					
407 - BT3008A80	30	0,5 - 8,0	80,0	82,5	34,5	45,0	40,0
407 - BT4008A85	40	0,5 - 8,0	85,0	87,5	34,5	45,0	40,0
407 - BT4013A95	40	1,0 - 13,0	95,0	104,0	42,0	50,0	47,0
407 - BT4016A95	40	2,5 - 16,0	95,0	106,0	49,0	50,0	50,0
407 - BT5013A110	50	1,0 - 13,0	110,0	119,0	42,0	50,0	47,0
407 - BT5016A110	50	2,5 - 16,0	110,0	121,0	49,0	50,0	50,0



Händler / Distributor / Distributore



Rineck Maschinenbau GmbH
Bruno-Kleine-Str. 2
D-33428 Marienfeld, Germany
Tel. + 49 (0) 52 47 / 98 65-0
Fax. + 49 (0) 52 47 / 98 65-55
E-Mail: info@rineck.de
www.rineck.de