

HSK TOOLHOLDERS

HSK WERKZEUGAUFNAHMEN

HSK РЕЗЦЕДЕРЖАТЕЛИ

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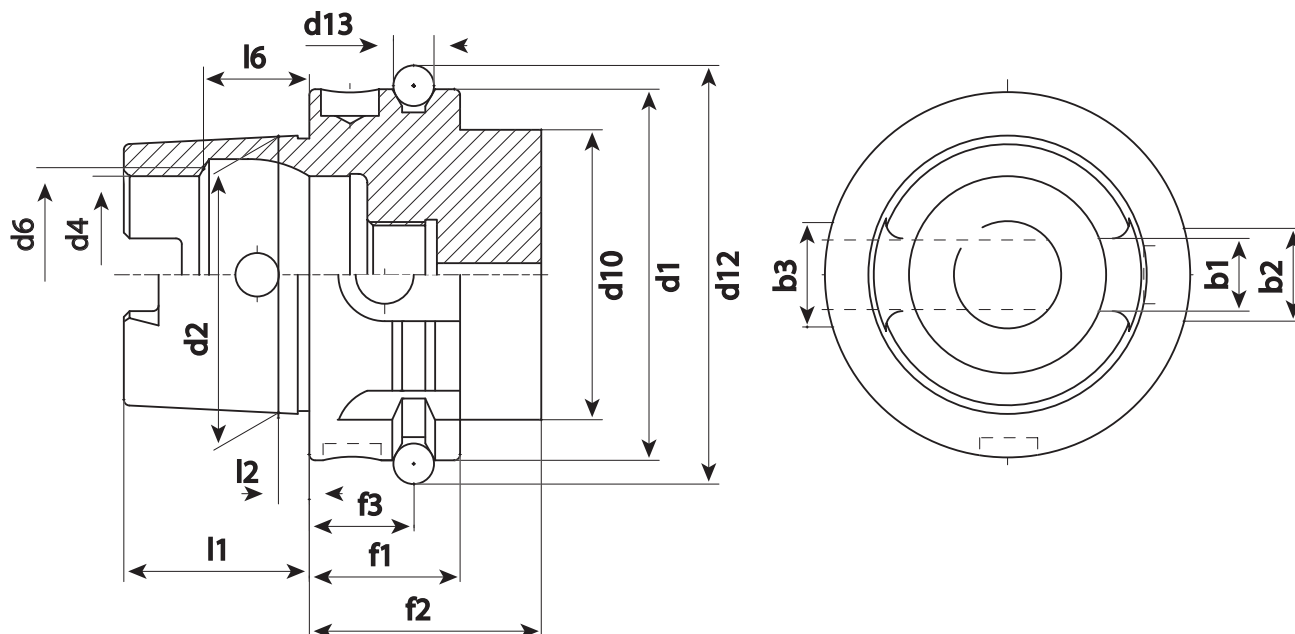
Specyfikacja techniczna DIN69893, typ A(+C)

Technical Specifications DIN69893, type A(+C)

Technische Daten DIN69893, Typ A(+C)

Технические характеристики DIN69893, типа A(+C)

DIN 69893 A/C



Stożek Holder (DIN 69893)	b1 (mm)	b2 (mm)	b3 (mm)	d1 (mm)	d2 (mm)	d4 (mm)	d6 (mm)	d10 (mm)	d12 (mm)	d13 (mm)	f1 (mm)	f2 (mm)	f3 (mm)	l1 (mm)	l2 (mm)	l6 (mm)
HSK 32A	7,05	7	9	32	24	17	19	26	37	4	20	35	16	16	3,2	8,92
HSK 40A	8,05	9	11	40	30	21	23	34	45	4	20	35	16	20	4	11,42
HSK 50A	10,54	12	14	50	38	26	29	42	59,3	7	26	42	18	25	5	14,13
HSK 63A	12,54	16	18	63	48	34	37	53	72,3	7	26	42	18	32	6,3	18,13
HSK 100A	20,02	20	22	100	75	53	58	85	109,75	7	29	45	20	50	10	28,56

Charakterystyka:

- zastosowanie na centrach obróbczych, frezarkach CNC z automatyczną zmianą narzędzi.
- chłodzenie centralne, osiowe doprowadzenie chłodziwa przez rurkę.
- Technologia Torque - dwa wybrania na stożku.
- Dwa gniazda w kołnierzu dla identyfikatorów dla obrabiarek z magazynem narzędzi

Producer features:

- Used on machining centres, milling machines, turning machines, special machines with automatic tool change.
- Central, axial coolant supply through coolant tube.
- Torque transmission via two key slots at end of taper.
- Two slots on collar for tool magazine, location edge. Hole for data carrier DIN 69873 in collar.

Technische Charakteristik:

- Anwendung für Bearbeitungszentren, Fräsmaschinen, Drehmaschinen, Sondermaschinen mit automatischem Werkzeugwechsel.
- Zentrale, axiale Kühlmittelzufuhr über Kühlmittelrohr.
- Drehmomentübertragung über zwei Mitnehmernuten am Kegelumlauf.
- Zwei Bundnuten für Werkzeugmagazin, Positionskerbe. Bohrung für Datenträger DIN 69873 im Bund.
- Balluffchip

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

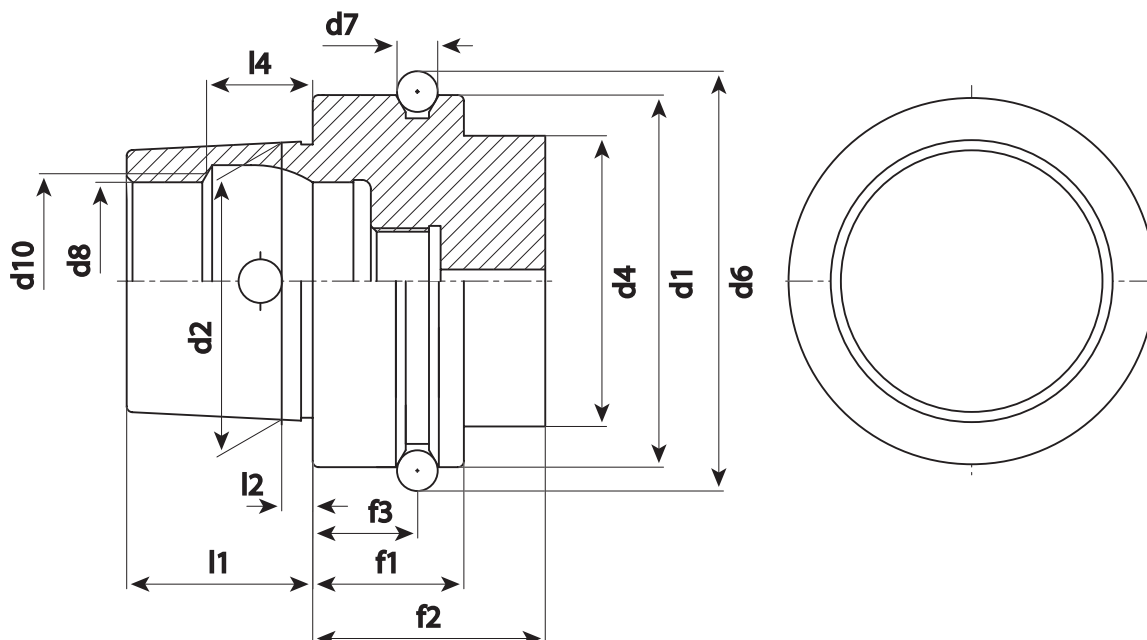
Specyfikacja techniczna DIN69893, typ E

Technical Specifications DIN69893, type E

Technische Daten DIN69893, Typ E

Технические характеристики DIN69893, типа E

DIN 69893 E



Stożek Holder (DIN 69893)	d1 (mm)	d2 (mm)	d4 (mm)	d6 (mm)	d7 (mm)	d8 (mm)	d10 (mm)	f1 (mm)	f2 (mm)	f3 (mm)	l1 (mm)	l2 (mm)	l4 (mm)
HSK 40E	40	30	34	45	4	21	23	20	35	16	20	4	11,42
HSK 50E	50	38	42	59,3	7	26	29	26	42	18	25	5	14,13
HSK 63E	63	48	53	72,3	7	34	37	26	42	18	32	6,3	18,13

Charakterystyka:

- Używany do wysoko obrotowych wrzecion i obróbki drewna.
- obrotowo-symetryczny, bez kluczowych slotów.
- Technologia Torque poprzez opór tarcia.
- Centralne doprowadzenie chłodziwa

Producer features:

- Used for high frequency spindles and wood machining.
- Rotationally symmetrical, without key slots.
- Torque transmission via friction resistance.
- Central coolant supply possible through coolant tube.

Technische Charakteristik:

- Anwendung für Hochfrequenzspindeln, Holzbearbeitungsmaschinen.
- Rotationssymmetrisch, ohne Mitnehmernuten.
- Drehmomentübertragung über Reibschluss.
- Zentrale Kühlmittelzufuhr über Kühlmittelrohr möglich.

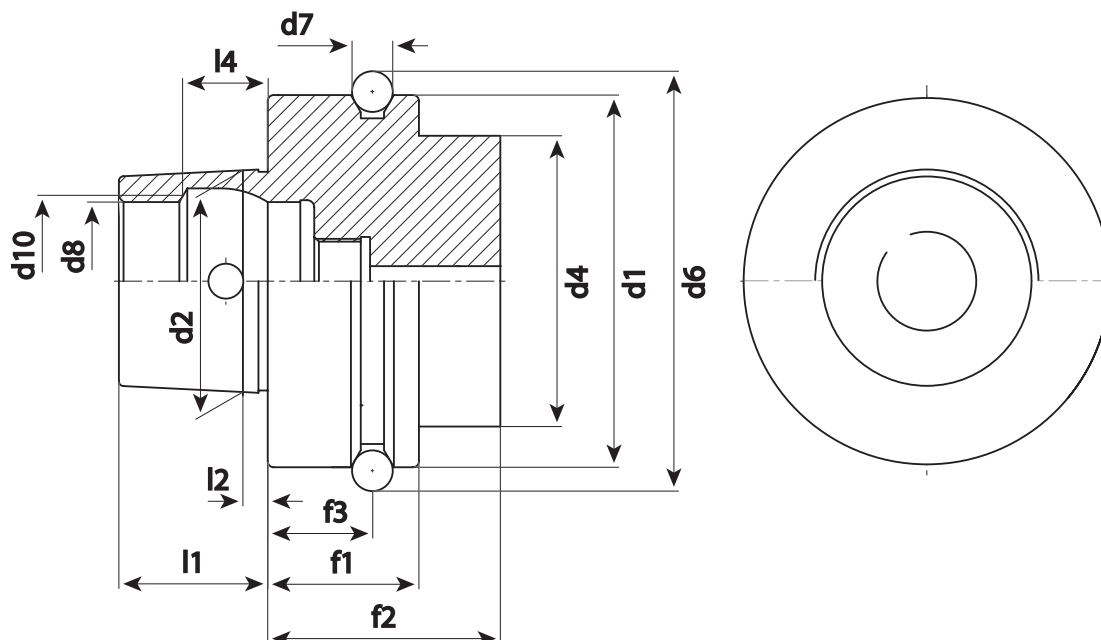
Specyfikacja techniczna DIN69893, typ F

Technical Specifications DIN69893, type F

Technische Daten DIN69893, Typ F

Технические характеристики DIN69893, типа F

DIN 69893 F



Stożek Holder (DIN 69893)	d1 (mm)	d2 (mm)	d4 (mm)	d6 (mm)	d7 (mm)	d8 (mm)	d10 (mm)	f1 (mm)	f2 (mm)	f3 (mm)	l1 (mm)	l2 (mm)	l4 (mm)
HSK 50F	50	30	42	59,3	7	21	23	26	42	18	20	4	11,42
HSK 63F	63	38	53	72,3	7	26	29	26	42	18	25	5	14,13

Charakterystyka:

- Używany do wysoko obrotowych wrzecion i do obróbki drewna.
- Posiada szery kołnierz
- Centralne doprowadzenie chłodziwa

Producer features:

- Used for high frequency spindles and wood machining.
- With larger collar.
- Central coolant supply possible trough coolant hose.

Technische Charakteristik:

- Anwendung für Hochfrequenzspindeln, Holzbearbeitungsmaschinen.
- Mit vergrößertem Bund.
- Zentrale Kühlmittelzufuhr über Kühlmittelrohr möglich.

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe do tulejek ER DIN6499 (wersja Mini)

Collet chucks for collets DIN6499 (ER MINI)

Spannfutter für Spannzangen DIN6499 (ER MINI)

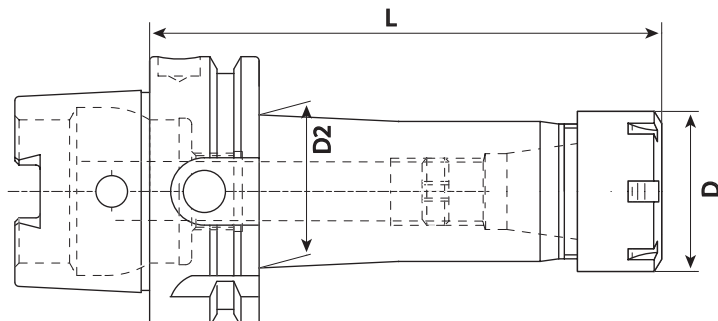
Патроны цанговые с цангой ER по DIN 6499 для инструмента с цилиндрическим хвостовиком (МИНИ)

ER MINI
DIN6499

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.ER25MINI.L100

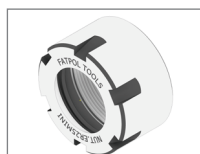
Stożek Holder (HSK)	ø D (mm)	ø D2 HSK A/E/F (mm)	L (mm)	DIN6499 Tulejka Collet (mm)	Zakres moc. Clamp. Range (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
						DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	16	20/20/19	100	ER11	1 - 7	HSK50A.ER11MINI.L100	HSK50E.ER11MINI.L100	HSK50F.ER11MINI.L100
50	22	26/24/25	160	ER11	1 - 7	HSK50A.ER11MINI.L160	HSK50E.ER11MINI.L160	HSK50F.ER11MINI.L160
50	16	23,5/24/19	100	ER16	1 - 10	HSK50A.ER16MINI.L100	HSK50E.ER16MINI.L100	HSK50F.ER16MINI.L100
50	22	28/30/25	160	ER16	1 - 10	HSK50A.ER16MINI.L160	HSK50E.ER16MINI.L160	HSK50F.ER16MINI.L160
63	16	-	800	ER11	1 - 7	HSK63A.ER11MINI.L80	-	-
63	16	19/-/19,5	100	ER11	1 - 7	HSK63A.ER11MINI.L100	-	HSK63F.ER11MINI.L100
63	22	23	160	ER11	1 - 7	HSK63A.ER11MINI.L160	-	-
63	22	25	100	ER16	1 - 10	HSK63A.ER16MINI.L100	-	HSK63F.ER16MINI.L100
63	22	28	160	ER16	1 - 10	HSK63A.ER16MINI.L160	-	-
63	28	31/-/32	100	ER20	1 - 13	HSK63A.ER20MINI.L100	-	HSK63F.ER20MINI.L100
63	28	35	160	ER20	1 - 13	HSK63A.ER20MINI.L160	-	-
63	35	35/-/39	100	ER25	1 - 16	HSK63A.ER25MINI.L100	-	HSK63F.ER25MINI.L100
63	35	42	160	ER25	1 - 16	HSK63A.ER25MINI.L160	-	-
100	22	25	100	ER16	1 - 10	HSK100A.ER16MINI.L100	-	-
100	22	29	160	ER16	1 - 10	HSK100A.ER16MINI.L160	-	-
100	22	32	200	ER16	1 - 10	HSK100A.ER16MINI.L200	-	-
100	28	-	100	ER20	1 - 13	HSK100A.ER20MINI.L100	-	-
100	28	34	160	ER20	1 - 13	HSK100A.ER20MINI.L160	-	-
100	28	35,8	200	ER20	1 - 13	HSK100A.ER20MINI.L200	-	-
100	35	-	100	ER25	1 - 16	HSK100A.ER25MINI.L100	-	-
100	35	48	160	ER25	1 - 16	HSK100A.ER25MINI.L160	-	-
100	35	49,7	200	ER25	1 - 16	HSK100A.ER25MINI.L200	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



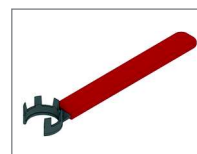
Tulejki zaciskowe ER
ER Collets
ER Spannzangen
Цанги ER

Strona / Page: 101 - 107



Nakrętki do ER MINI
Clamping nuts for ER MINI
Spannmutter ER MINI
Гайки для цанг ER MINI

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Klucze do ER MINI
Wrench ER MINI
Spannschlüssel ER MINI
Ключ для гаек ER MINI

Strona / Page: 327



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe do tulejek ER DIN6499

Collet chucks for Collets DIN6499 (ER)

Spannfutter für Spannzangen DIN6499 (ER)

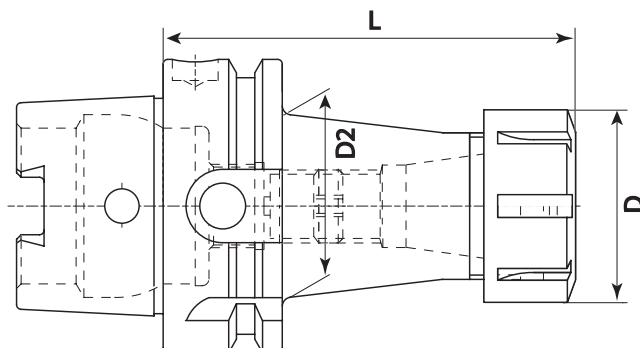
Патроны цанговые с цангой ER по DIN 6499 для инструмента с цилиндрическим хвостовиком

ER
DIN6499

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.ER32.L100

Stożek Holder (HSK)	ø D (mm)	L HSK A/E/F (mm)	DIN6499 Tulejka Collet (mm)	Zakres moc. Clamp. Range (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	32	100/80/100	ER16	1 - 10	HSK50A.ER16.L100	HSK50E.ER16.L80	HSK50F.ER16.L100
50	32	160	ER16	1 - 10	HSK50A.ER16.L160	HSK50E.ER16.L160	HSK50F.ER16.L160
50	35	100/80/100	ER20	1 - 13	HSK50A.ER20.L100	HSK50E.ER20.L80	HSK50F.ER20.L100
50	35	160	ER20	1 - 13	HSK50A.ER20.L160	HSK50E.ER20.L160	HSK50F.ER20.L160
50	42	100/80/100	ER25	1 - 16	HSK50A.ER25.L100	HSK50E.ER25.L80	HSK50F.ER25.L100
50	42	160	ER25	1 - 16	HSK50A.ER25.L160	HSK50E.ER25.L160	HSK50F.ER25.L160
50	50	100/80/100	ER32	1 - 20	HSK50A.ER32.L100	HSK50E.ER32.L80	HSK50F.ER32.L100
50	50	160	ER32	1 - 20	HSK50A.ER32.L160	HSK50E.ER32.L160	HSK50F.ER32.L160
50	63	100/80/100	ER40	3 - 30	HSK50A.ER40.L100	HSK50E.ER40.L80	HSK50F.ER40.L100
50	63	160	ER40	3 - 30	HSK50A.ER40.L160	HSK50E.ER40.L160	HSK50F.ER40.L160
63	32	75/75/70	ER16	1 - 10	HSK63A.ER16.L75	HSK63E.ER16.L75	HSK63F.ER16.L70
63	32	100	ER16	1 - 10	HSK63A.ER16.L100	HSK63E.ER16.L100	HSK63F.ER16.L100
63	32	160	ER16	1 - 10	HSK63A.ER16.L160	HSK63E.ER16.L160	HSK63F.ER16.L160
63	32	200	ER16	1 - 10	HSK63A.ER16.L200	-	-
63	35	75/75/70	ER20	1 - 13	HSK63A.ER20.L75	-	HSK63F.ER20.L70
63	35	100	ER20	1 - 13	HSK63A.ER20.L100	-	HSK63F.ER20.L100
63	35	160	ER20	1 - 13	HSK63A.ER20.L160	-	HSK63F.ER20.L160
63	35	200	ER20	1 - 13	HSK63A.ER20.L200	-	-
63	42	75/75/70	ER25	1 - 16	HSK63A.ER25.L75	HSK63E.ER25.L75	HSK63F.ER25.L70
63	42	100	ER25	1 - 16	HSK63A.ER25.L100	HSK63E.ER25.L100	HSK63F.ER25.L100
63	42	160	ER25	1 - 16	HSK63A.ER25.L160	HSK63E.ER25.L160	HSK63F.ER25.L160
63	42	200	ER25	1 - 16	HSK63A.ER25.L200	-	-
63	50	75/75/70	ER32	1 - 20	HSK63A.ER32.L75	HSK63E.ER32.L75	HSK63F.ER32.L70
63	50	100	ER32	1 - 20	HSK63A.ER32.L100	HSK63E.ER32.L100	HSK63F.ER32.L100
63	50	160	ER32	1 - 20	HSK63A.ER32.L160	HSK63E.ER32.L160	HSK63F.ER32.L160
63	50	200	ER32	1 - 20	HSK63A.ER32.L200	-	-
63	63	80/80/70	ER40	3 - 30	HSK63A.ER40.L80	HSK63E.ER40.L80	HSK63F.ER40.L70
63	63	100	ER40	3 - 30	HSK63A.ER40.L100	HSK63E.ER40.L100	HSK63F.ER40.L100
63	63	160	ER40	3 - 30	HSK63A.ER40.L160	HSK63E.ER40.L160	HSK63F.ER40.L160
63	63	200	ER40	3 - 30	HSK63A.ER40.L200	-	-
100	32	100	ER16	1 - 10	HSK100A.ER16.L100	-	-
100	32	160	ER16	1 - 10	HSK100A.ER16.L160	-	-
100	32	200	ER16	1 - 10	HSK100A.ER16.L200	-	-
100	35	75	ER20	1 - 13	HSK100A.ER20.L75	-	-
100	35	100	ER20	1 - 13	HSK100A.ER20.L100	-	-
100	35	160	ER20	1 - 13	HSK100A.ER20.L160	-	-
100	35	200	ER20	1 - 13	HSK100A.ER20.L200	-	-

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe do tulejek ER DIN6499

Collet chucks for Collets DIN6499 (ER)

Spannfutter für Spannzangen DIN6499 (ER)

Патроны цанговые с цангой ER по DIN 6499 для инструмента с цилиндрическим хвостовиком

ER
DIN6499

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK

Stożek Holder (HSK)	ø D (mm)	L (mm)	DIN6499 Tulejka Collet (mm)	Zakres moc. Clamp. Range (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
100	42	75	ER25	1 - 16	HSK100A.ER25.L75	-	-
100	42	100	ER25	1 - 16	HSK100A.ER25.L100	-	-
100	42	160	ER25	1 - 16	HSK100A.ER25.L160	-	-
100	42	200	ER25	1 - 16	HSK100A.ER25.L200	-	-
100	50	80	ER32	1 - 20	HSK100A.ER32.L80	-	-
100	50	100	ER32	1 - 20	HSK100A.ER32.L100	-	-
100	50	160	ER32	1 - 20	HSK100A.ER32.L160	-	-
100	50	200	ER32	1 - 20	HSK100A.ER32.L200	-	-
100	63	90	ER40	3 - 30	HSK100A.ER40.L90	-	-
100	63	100	ER40	3 - 30	HSK100A.ER40.L100	-	-
100	63	160	ER40	3 - 30	HSK100A.ER40.L160	-	-
100	63	200	ER40	3 - 30	HSK100A.ER40.L200	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Tulejki zaciskowe ER
ER Collets
ER Spannzangen
Цанги ER

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Nakrętki do ER
Clamping nuts for ER
Spannmutter ER
Гайки для цанг ER

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Klucze do ER
Wrench ER
Spannschlüssel ER
Ключ для гаек ER

Strona / Page: 327



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe typu Weldon DIN1835-B

End mill holder DIN6359 for Weldon type end mills DIN1835-B

Fräseraufnahmen DIN6359 für Zylinderschäfte DIN1835-B

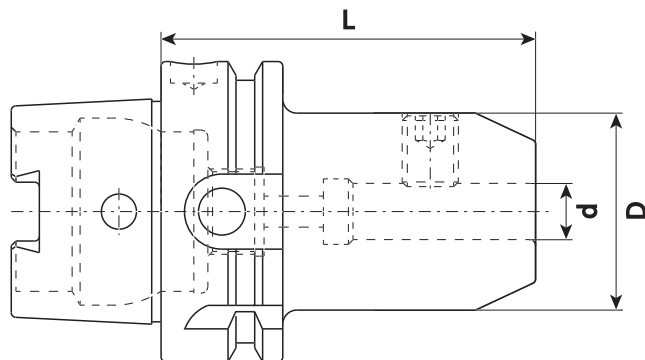
Цанговые патроны для инструмента с цилиндрическим хвостовиком Weldon'a DIN1835-B

WELDON
DIN1835-B

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.WE16.L80

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L HSK A/E/F (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50 A	6	25	65	HSK50A.WE06.L65	HSK50E.WE06.L65	HSK50F.WE06.L65
50 A	6	25	100	HSK50A.WE06.L100	-	-
50 A	6	25	160	HSK50A.WE06.L160	-	-
50 A	8	28	65	HSK50A.WE08.L65	HSK50E.WE08.L65	HSK50F.WE08.L65
50 A	8	28	100	HSK50A.WE08.L100	-	-
50 A	8	28	160	HSK50A.WE08.L160	-	-
50 A	10	35	65	HSK50A.WE10.L65	HSK50E.WE10.L65	HSK50F.WE10.L65
50 A	10	35	100	HSK50A.WE10.L100	-	-
50 A	10	35	160	HSK50A.WE10.L160	-	-
50 A	12	42	80	HSK50A.WE12.L80	HSK50E.WE12.L80	HSK50F.WE12.L80
50 A	12	42	100	HSK50A.WE12.L100	-	-
50 A	12	42	160	HSK50A.WE12.L160	-	-
50 A	14	44	80	HSK50A.WE14.L80	HSK50E.WE14.L80	HSK50F.WE14.L80
50 A	14	44	100	HSK50A.WE14.L100	-	-
50 A	14	44	160	HSK50A.WE14.L160	-	-
50 A	16	48	80	HSK50A.WE16.L80	HSK50E.WE16.L80	HSK50F.WE16.L80
50 A	16	48	100	HSK50A.WE16.L100	-	-
50 A	16	48	160	HSK50A.WE16.L160	-	-
50 A	18	50	80	HSK50A.WE18.L80	HSK50E.WE18.L80	HSK50F.WE18.L80
50 A	18	50	100	HSK50A.WE18.L100	-	-
50 A	18	50	160	HSK50A.WE18.L160	-	-
50 A	20	52	80	HSK50A.WE20.L80	HSK50E.WE20.L80	HSK50F.WE20.L80
50 A	20	52	100	HSK50A.WE20.L100	-	-
50 A	20	52	160	HSK50A.WE20.L160	-	-
50 A	25	65	105	HSK50A.WE25.L105	HSK50E.WE25.L105	HSK50F.WE25.L105
50 A	25	65	160	HSK50A.WE25.L160	-	-
50 A	32	72	120	HSK50A.WE32.L120	-	-
63 A	6	25	65	HSK63A.WE6.L65	HSK63E.WE6.L65	HSK63F.WE6.L65
63 A	6	25	100	HSK63A.WE6.L100	-	HSK63F.WE6.L100
63 A	6	25	160	HSK63A.WE6.L160	-	HSK63F.WE6.L160
63 A	8	28	65	HSK63A.WE8.L65	HSK63E.WE8.L65	HSK63F.WE8.L65
63 A	8	28	100	HSK63A.WE8.L100	-	HSK63F.WE8.L100
63 A	8	28	160	HSK63A.WE8.L160	-	HSK63F.WE8.L160
63 A	10	35	65/70/65	HSK63A.WE10.L65	HSK63E.WE10.L70	HSK63F.WE10.L65
63 A	10	35	100	HSK63A.WE10.L100	-	HSK63F.WE10.L100
63 A	10	35	160	HSK63A.WE10.L160	-	HSK63F.WE10.L160
63 A	12	42	80	HSK63A.WE12.L80	HSK63E.WE12.L80	HSK63F.WE12.L80

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe typu Weldon DIN1835-B

End mill holder DIN6359 for Weldon type end mills DIN1835-B

Fräseraufnahmen DIN6359 für Zylinderschäfte DIN1835-B

Цанговые патроны для инструмента с цилиндрическим хвостовиком Weldon'a DIN1835-B

WELDON
DIN1835-B

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L HSK A/E/F (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
63	12	42	100	HSK63A.WE12.L100	-	HSK63F.WE12.L100
63	12	42	160	HSK63A.WE12.L160	-	HSK63F.WE12.L160
63	14	44	80	HSK63A.WE14.L80	HSK63E.WE14.L80	HSK63F.WE14.L80
63	14	44	100	HSK63A.WE14.L100	-	HSK63F.WE14.L100
63	14	44	160	HSK63A.WE14.L160	-	HSK63F.WE14.L160
63	16	48	80	HSK63A.WE16.L80	HSK63E.WE16.L80	HSK63F.WE16.L80
63	16	48	100	HSK63A.WE16.L100	-	HSK63F.WE16.L100
63	16	48	160	HSK63A.WE16.L160	-	HSK63F.WE16.L160
63	18	50	80	HSK63A.WE18.L80	HSK63E.WE18.L80	HSK63F.WE18.L80
63	18	50	100	HSK63A.WE18.L100	-	HSK63F.WE18.L100
63	18	50	160	HSK63A.WE18.L160	-	HSK63F.WE18.L160
63	20	52	80	HSK63A.WE20.L80	HSK63E.WE20.L80	HSK63F.WE20.L80
63	20	52	100	HSK63A.WE20.L100	-	HSK63F.WE20.L100
63	20	52	160	HSK63A.WE20.L160	-	HSK63F.WE20.L160
63	25	65	110/105/110	HSK63A.WE25.L110	HSK63E.WE25.L105	HSK63F.WE25.L110
63	25	65	160	HSK63A.WE25.L160	-	HSK63F.WE25.L160
63	32	72	110	HSK63A.WE32.L110	HSK63E.WE32.L110	HSK63F.WE32.L110
63	32	72	160	HSK63A.WE32.L160	-	HSK63F.WE32.L160
63	40	80	125	HSK63A.WE40.L125	-	-
63	40	80	160	HSK63A.WE40.L160	-	HSK63F.WE40.L160
100	6	25	80	HSK100A.WE06.L80	-	-
100	6	25	160	HSK100A.WE06.L160	-	-
100	8	28	80	HSK100A.WE08.L80	-	-
100	8	28	160	HSK100A.WE08.L160	-	-
100	10	35	80	HSK100A.WE10.L80	-	-
100	10	35	160	HSK100A.WE10.L160	-	-
100	12	42	80	HSK100A.WE12.L80	-	-
100	12	42	160	HSK100A.WE12.L160	-	-
100	14	44	80	HSK100A.WE14.L80	-	-
100	14	44	160	HSK100A.WE14.L160	-	-
100	16	48	100	HSK100A.WE16.L100	-	-
100	16	48	160	HSK100A.WE16.L160	-	-
100	18	50	100	HSK100A.WE18.L100	-	-
100	18	50	160	HSK100A.WE18.L160	-	-
100	20	52	100	HSK100A.WE20.L100	-	-
100	20	52	160	HSK100A.WE20.L160	-	-
100	25	65	100	HSK100A.WE25.L100	-	-
100	25	65	160	HSK100A.WE25.L160	-	-
100	32	72	100	HSK100A.WE32.L100	-	-
100	32	72	160	HSK100A.WE32.L160	-	-
100	40	80	105	HSK100A.WE40.L105	-	-
100	40	80	160	HSK100A.WE40.L160	-	-
100	50	100	160	HSK100A.WE50.L160	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenchs
HSK Schlüssel
Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe hydrauliczne

Hydraulic expansions chuck

Hydro - Dehnspannfutter

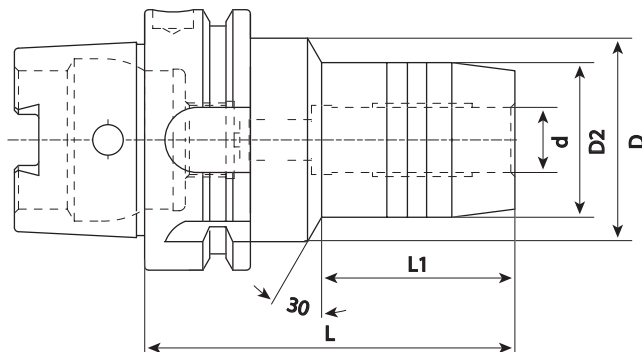
Гидравлические цанговые патроны для инструмента с цилиндрическим хвостовиком

HYDRO

G6.3
STANDARD

G2.5
ON REQUEST

A
DIN69893 HSK



rys.: HSK63A.HY12.L85

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	ø D2 (mm)	L (mm)	L1 (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
						DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
63	6	50	26	70	24	HSK63A.HY06.L70	-	-
63	8	50	28	70	24	HSK63A.HY08.L70	-	-
63	10	50	30	80	35	HSK63A.HY10.L80	-	-
63	12	50	32	85	40	HSK63A.HY12.L85	-	-
63	14	50	34	85	40	HSK63A.HY14.L85	-	-
63	16	50	38	90	46	HSK63A.HY16.L90	-	-
63	18	50	40	90	46	HSK63A.HY18.L90	-	-
63	20	50	42	90	48	HSK63A.HY20.L90	-	-
63	25	63	57	110	59	HSK63A.HY25.L110	-	-
63	32	75	64	125	63	HSK63A.HY32.L125	-	-
100	6	50	26	70	24	HS100A.HY06.L70	-	-
100	8	50	28	70	24	HS100A.HY08.L70	-	-
100	10	50	30	80	35	HS100A.HY10.L80	-	-
100	12	50	32	85	40	HS100A.HY12.L85	-	-
100	14	50	34	85	40	HS100A.HY14.L85	-	-
100	16	50	38	90	46	HS100A.HY16.L90	-	-
100	18	50	40	90	46	HS100A.HY18.L90	-	-
100	20	50	42	90	48	HS100A.HY20.L90	-	-
100	25	63	57	110	59	HS100A.HY25.L110	-	-
100	32	75	64	125	63	HS100A.HY32.L125	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe do tulejek STRONG

Precision milling chuck

Präzisionskraftspannfutter

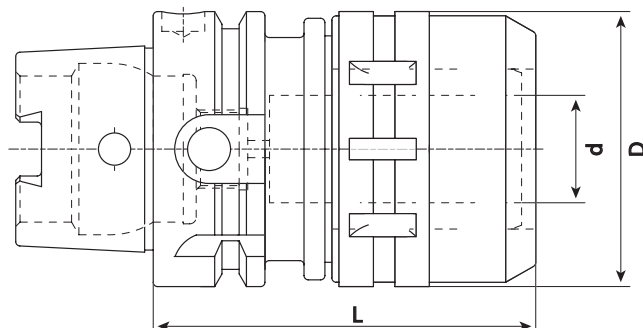
Прецизионные цанговые патроны STRONG для инструмента с цилиндрическим хвостовиком

STRONG

G6.3
STANDARD

G2.5
ON REQUEST

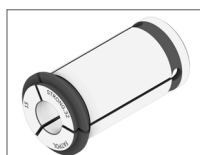
A
DIN69893 HSK



rys.: HSK63A.TU32.L110

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	20	46	90	HSK50A.TU20.L90	-	-
50	32	62	110	HSK50A.TU32.L110	-	-
63	20	46	85	HSK63A.TU20.L85	-	-
63	32	62	110	HSK63A.TU32.L110	-	-
100	20	46	105	HSK100A.TU20.L105	-	-
100	32	62	115	HSK100A.TU32.L115	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Tulejki zaciskowe STRONG
STRONG Collets
STRONG Spannzangen
Цанги STRONG

Strona / Page: 110



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki zaciskowe termokurczliwe (HM / HSS)

Shrink chuck for mounting of solid carbide and HSS-cutters

Schrumpffutter zum Spannen von HM und HSS Werkzeugschäften

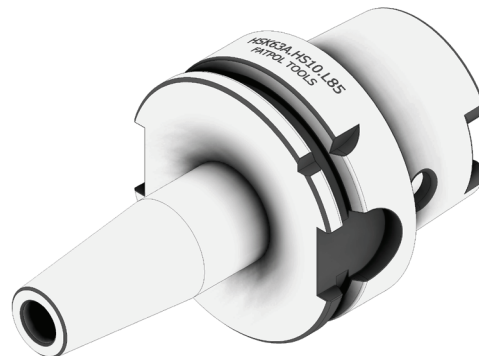
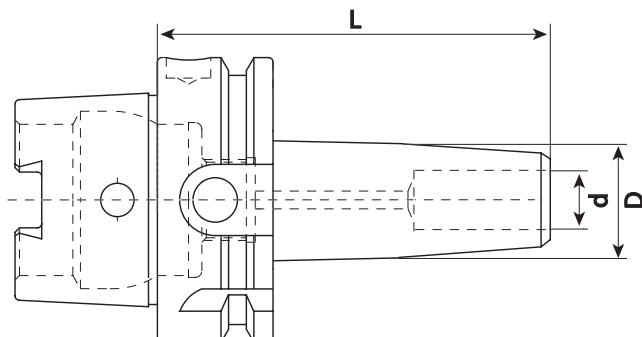
Оправка с термозажимом инструмента с цилиндрическим хвостовиком по H6

TERMO

G6.3
STANDARD

G2.5
ON REQUEST

A
DIN69893 HSK



rys.: HSK63A.HS10.L85

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
63	3	10	80	HSK63A.HS03.L80	-	-
63	4	15	80	HSK63A.HS04.L80	-	-
63	4	15	120	HSK63A.HS04.L120	-	-
63	5	15	80	HSK63A.HS05.L80	-	-
63	5	15	120	HSK63A.HS05.L120	-	-
63	6	20	80	HSK63A.HS06.L80	-	-
63	6	20	160	HSK63A.HS06.L160	-	-
63	8	20	80	HSK63A.HS08.L80	-	-
63	8	20	160	HSK63A.HS08.L160	-	-
63	10	24	85	HSK63A.HS10.L85	-	-
63	10	24	160	HSK63A.HS10.L160	-	-
63	12	24	90	HSK63A.HS12.L90	-	-
63	12	24	160	HSK63A.HS12.L160	-	-
63	16	27	90	HSK63A.HS16.L90	-	-
63	16	27	160	HSK63A.HS16.L160	-	-
63	20	33	100	HSK63A.HS20.L100	-	-
63	20	33	160	HSK63A.HS20.L160	-	-
63	25	44	115	HSK63A.HS25.L115	-	-
63	25	44	160	HSK63A.HS25.L160	-	-
63	32	44	120	HSK63A.HS32.L120	-	-
100	6	20	85	HSK100A.HS06.L85	-	-
100	6	20	160	HSK100A.HS06.L160	-	-
100	8	20	85	HSK100A.HS08.L85	-	-
100	8	20	160	HSK100A.HS08.L160	-	-
100	10	24	90	HSK100A.HS10.L90	-	-
100	10	24	160	HSK100A.HS10.L160	-	-
100	12	24	95	HSK100A.HS12.L95	-	-
100	12	24	160	HSK100A.HS12.L160	-	-
100	16	27	100	HSK100A.HS16.L100	-	-
100	16	27	160	HSK100A.HS16.L160	-	-
100	20	33	105	HSK100A.HS20.L105	-	-
100	20	33	160	HSK100A.HS20.L160	-	-
100	25	44	115	HSK100A.HS25.L115	-	-
100	25	44	160	HSK100A.HS25.L160	-	-
100	32	44	120	HSK100A.HS32.L120	-	-
100	32	44	160	HSK100A.HS32.L160	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Trzpienie frezarskie uniwersalne do frezów z rowkiem zabierakowym

Shell mill holder for cutters with driving slot

Quernut - Aufsteckdorne mit vergrößertem Bunddurchmesser

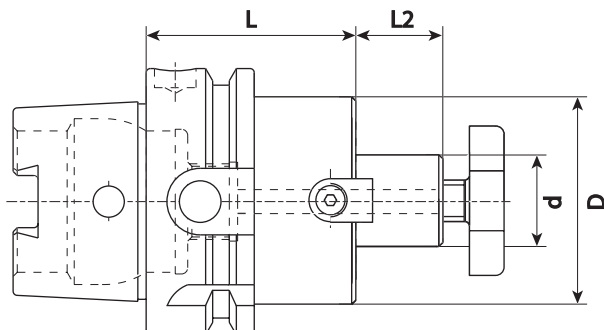
Оправки для насадных торцовых фрез с продольной шпонкой

DIN6357

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.d22k.100

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L HSK A/E/F (mm)	L2 (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	16	38	50	17	HSK50A.d16k.L50	HSK50E.d16k.L50	HSK50F.d16k.L50
50	22	48	60	19	HSK50A.d22k.L60	HSK50E.d22k.L60	HSK50F.d22k.L60
50	27	58	60	21	HSK50A.d27k.L60	HSK50E.d27k.L60	HSK50F.d27k.L60
50	32	66	60	24	HSK50A.d32k.L60	HSK50E.d32k.L60	HSK50F.d32k.L60
50	40	80	70	27	HSK50A.d40k.L70	HSK50E.d40k.L70	HSK50F.d40k.L70
63	16	38	50	17	HSK63A.d16k.L50	HSK63E.d16k.L50	HSK63F.d16k.L50
63	16	38	100	17	HSK63A.d16k.L100	HSK63E.d16k.L100	HSK63F.d16k.L100
63	16	38	160	17	HSK63A.d16k.L160	HSK63E.d16k.L160	HSK63F.d16k.L160
63	22	48	50	19	HSK63A.d22k.L50	HSK63E.d22k.L50	HSK63F.d22k.L50
63	22	48	100	19	HSK63A.d22k.L100	HSK63E.d22k.L100	HSK63F.d22k.L100
63	22	48	160	19	HSK63A.d22k.L160	HSK63E.d22k.L160	HSK63F.d22k.L160
63	27	58	60	21	HSK63A.d27k.L60	HSK63E.d27k.L60	HSK63F.d27k.L60
63	27	58	100	21	HSK63A.d27k.L100	HSK63E.d27k.L100	HSK63F.d27k.L100
63	27	58	160	21	HSK63A.d27k.L160	HSK63E.d27k.L160	HSK63F.d27k.L160
63	32	66	60	24	HSK63A.d32k.L60	HSK63E.d32k.L60	HSK63F.d32k.L60
63	32	66	100	24	HSK63A.d32k.L100	HSK63E.d32k.L100	HSK63F.d32k.L100
63	32	66	160	24	HSK63A.d32k.L160	HSK63E.d32k.L160	HSK63F.d32k.L160
63	40	80	70/65/60	27	HSK63A.d40k.L70	HSK63E.d40k.L65	HSK63F.d40k.L60
63	40	80	100	27	HSK63A.d40k.L100	HSK63E.d40k.L100	HSK63F.d40k.L100
63	40	80	160	27	HSK63A.d40k.L160	HSK63E.d40k.L160	HSK63F.d40k.L160
100	16	38	50	17	HSK100A.d16k.L50	-	-
100	16	38	100	17	HSK100A.d16k.L100	-	-
100	16	38	160	17	HSK100A.d16k.L160	-	-
100	16	38	200	17	HSK100A.d16k.L200	-	-
100	22	48	50	19	HSK100A.d22k.L50	-	-
100	22	48	100	19	HSK100A.d22k.L100	-	-
100	22	48	160	19	HSK100A.d22k.L160	-	-
100	22	48	200	19	HSK100A.d22k.L200	-	-
100	27	58	50	21	HSK100A.d27k.L50	-	-
100	27	58	100	21	HSK100A.d27k.L100	-	-
100	27	58	160	21	HSK100A.d27k.L160	-	-
100	27	58	200	21	HSK100A.d27k.L200	-	-
100	32	66	50	24	HSK100A.d32k.L50	-	-
100	32	66	100	24	HSK100A.d32k.L100	-	-
100	32	66	160	24	HSK100A.d32k.L160	-	-
100	32	66	200	24	HSK100A.d32k.L200	-	-
100	40	80	60	27	HSK100A.d40k.L60	-	-

Trzpienie frezarskie uniwersalne do frezów z rowkiem zabierakowym

Shell mill holder for cutters with driving slot

Quernut - Aufsteckdorne mit vergrößertem Bunddurchmesser

Оправки для насадных торцовых фрез с продольной шпонкой

DIN6357

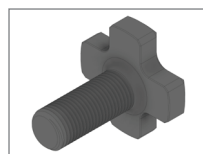
G6,3
STANDARD

G2,5
ON REQUEST

A
DIN69893 HSK

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L (mm)	L2 (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
100	40	80	100	27	HSK100A.d40k.L100	-	-
100	40	80	160	27	HSK100A.d40k.L160	-	-
100	40	80	200	27	HSK100A.d40k.L200	-	-
100	50	-	70	-	HSK100A.d50k.L70	-	-
100	50	-	100	-	HSK100A.d50k.L100	-	-
100	50	-	160	-	HSK100A.d50k.L160	-	-
100	50	-	200	-	HSK100A.d50k.L200	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Śruby krzyżowe
Cutter retaining screw
Anzugsschraube
затягивая винт

Strona / Page: 328



Zabieraki
Driving ring
Mitnehmerring
фланцевая втулка

Strona / Page: 328



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Trzpienie frezarskie uniwersalne do frezów typu Kombi

Combi shell mill holder

Kombi - Aufsteckfräserdorne

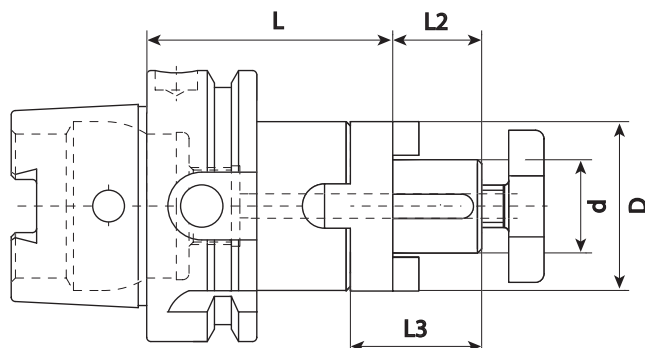
Оправки комбинированные для насадных торцовых фрез или насадных фрез с продольной шпонкой

DIN6358

G6.3
STANDARD

G2.5
ON REQUEST

A/F
DIN69893 HSK



rys.: HSK63A.d22z.L100

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	L (mm)	L2 (mm)	L3 (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
						DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	16	32	50	17	27	HSK50A.d16z.L50	-	-
50	22	40	50	19	31	HSK50A.d22z.L50	-	-
50	27	48	65	21	33	HSK50A.d27z.L65	-	-
50	32	58	65	24	38	HSK50A.d32z.L65	-	-
50	40	70	75	27	41	HSK50A.d40z.L75	-	-
63	16	32	60	17	27	HSK63A.d16z.L60	-	HSK63F.d16z.L60
63	16	32	100	17	27	HSK63A.d16z.L100	-	-
63	16	32	160	17	27	HSK63A.d16z.L160	-	HSK63F.d16z.L160
63	22	40	60	19	31	HSK63A.d22z.L60	-	HSK63F.d22z.L60
63	22	40	100	19	31	HSK63A.d22z.L100	-	-
63	22	40	160	19	31	HSK63A.d22z.L160	-	HSK63F.d22z.L160
63	27	48	60	21	33	HSK63A.d27z.L60	-	HSK63F.d27z.L60
63	27	48	100	21	33	HSK63A.d27z.L100	-	-
63	27	48	160	21	33	HSK63A.d27z.L160	-	HSK63F.d27z.L160
63	32	58	60	24	38	HSK63A.d32z.L60	-	HSK63F.d32z.L60
63	32	58	100	24	38	HSK63A.d32z.L100	-	-
63	32	58	160	24	38	HSK63A.d32z.L160	-	HSK63F.d32z.L160
63	40	70	70	27	41	HSK63A.d40z.L70	-	HSK63F.d40z.L70
63	40	70	100	27	41	HSK63A.d40z.L100	-	-
63	40	70	160	27	41	HSK63A.d40z.L160	-	HSK63F.d40z.L160
100	16	32	60	17	27	HSK100A.d16z.L60	-	-
100	16	32	100	17	27	HSK100A.d16z.L100	-	-
100	16	32	160	17	27	HSK100A.d16z.L160	-	-
100	22	40	60	19	31	HSK100A.d22z.L60	-	-
100	22	40	100	19	31	HSK100A.d22z.L100	-	-
100	22	40	160	19	31	HSK100A.d22z.L160	-	-
100	27	48	60	21	33	HSK100A.d27z.L60	-	-
100	27	48	100	21	33	HSK100A.d27z.L100	-	-
100	27	48	160	21	33	HSK100A.d27z.L160	-	-
100	32	58	60	24	38	HSK100A.d32z.L60	-	-
100	32	58	100	24	38	HSK100A.d32z.L100	-	-
100	32	58	160	24	38	HSK100A.d32z.L160	-	-
100	40	70	70	27	41	HSK100A.d40z.L70	-	-
100	40	70	100	27	41	HSK100A.d40z.L100	-	-
100	40	70	160	27	41	HSK100A.d40z.L160	-	-

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Tuleje redukcyjne do narzędzi z chwytem Morse'a z płetwą

Morse taper adaptor

Zwischenhülsen für MK mit Austreibblappen

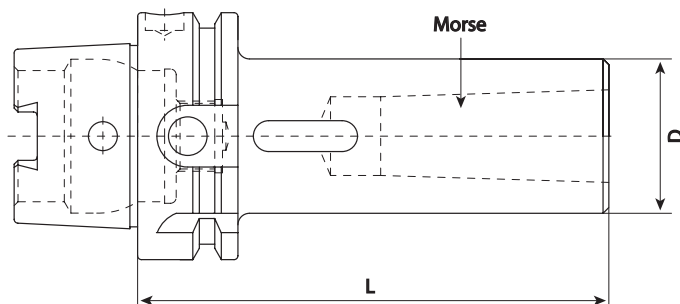
Втулки переходные для инструмента с конусом морзе с лапкой

DIN228-B

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.MK3pl.L140

Stożek Holder (HSK)	Stożek Taper (Morse)	ø D (mm)	L HSK A/E/F (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	MK1	25	100	HSK50A.MK1pl.L100	HSK50E.MK1pl.L100	HSK50F.MK1pl.L100
50	MK2	32	120	HSK50A.MK2pl.L120	HSK50E.MK2pl.L120	HSK50F.MK2pl.L120
50	MK3	40	140	HSK50A.MK3pl.L140	HSK50E.MK3pl.L140	HSK50F.MK3pl.L140
50	MK4	48	160	-	HSK50E.MK4pl.L160	HSK50F.MK4pl.L160
63	MK1	25	100	HSK63A.MK1pl.L100	HSK63E.MK1pl.L100	HSK63F.MK1pl.L100
63	MK2	32	120	HSK63A.MK2pl.L120	HSK63E.MK2pl.L120	HSK63F.MK2pl.L120
63	MK3	40	140	HSK63A.MK3pl.L140	HSK63E.MK3pl.L140	HSK63F.MK3pl.L140
63	MK4	48	150/165/160	HSK63A.MK4pl.L150	HSK63E.MK4pl.L165	HSK63F.MK4pl.L160
100	MK1	25	110	HSK100A.MK1pl.L110	-	-
100	MK2	32	120	HSK100A.MK2pl.L120	-	-
100	MK3	40	150	HSK100A.MK3pl.L150	-	-
100	MK4	48	170	HSK100A.MK4pl.L170	-	-
100	MK5	63	200	HSK100A.MK5pl.L200	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



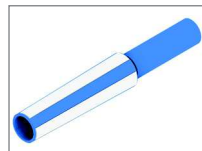
Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Tuleje redukcyjne do narzędzi z chwytem Morse'a z gwintem

Morse taper adaptor for tools with morse taper shank and drawbar thread

Zwischenhülsen für MK mit Anzugsgewinde

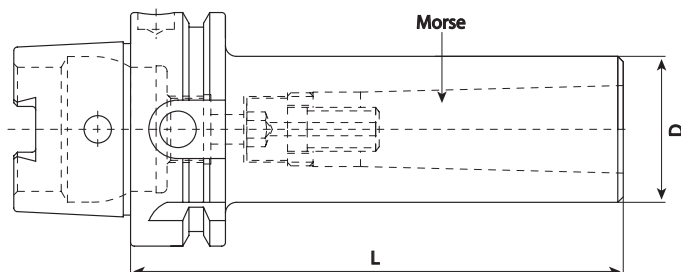
Втулки переходные для инструмента с конусом морзе и резьбовым отверстием

DIN228-A

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.MK3sr.L140

Stożek Holder (HSK)	Stożek Taper Morse	ø D (mm)	L HSK A/E/F (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	MK1	25	100	HSK50A.MK1sr.L100	HSK50E.MK1sr.L100	HSK50F.MK1sr.L100
50	MK2	32	120	HSK50A.MK2sr.L120	HSK50E.MK2sr.L120	HSK50F.MK2sr.L120
50	MK3	40	140	HSK50A.MK3sr.L140	HSK50E.MK3sr.L140	HSK50F.MK3sr.L140
63	MK1	25	100	HSK63A.MK1sr.L100	HSK63E.MK1sr.L100	HSK63F.MK1sr.L100
63	MK2	32	120/125/120	HSK63A.MK2sr.L120	HSK63E.MK2sr.L125	HSK63F.MK2sr.L120
63	MK3	40	140/145/140	HSK63A.MK3sr.L140	HSK63E.MK3sr.L145	HSK63F.MK3sr.L140
63	MK4	48	150/155/160	HSK63A.MK4sr.L150	HSK63E.MK4sr.L155	HSK63F.MK4sr.L160
100	MK1	25	110	HSK100A.MK1sr.L120	-	-
100	MK2	32	120	HSK100A.MK2sr.L120	-	-
100	MK3	40	150	HSK100A.MK3sr.L150	-	-
100	MK4	48	170	HSK100A.MK4sr.L170	-	-
100	MK5	63	200	HSK100A.MK5sr.L200	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

[Strona / Page: 328](#)



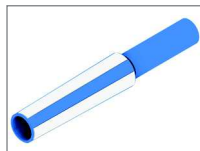
Klucze do HSK
HSK Wrenchs
HSK Schlüssel
HSK Ключ

[Strona / Page: 328](#)



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

[Strona / Page: 331](#)



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

[Strona / Page: 331](#)

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Oprawki do wymiennych wkręcanych głowic

Milling cutter arbors for screw-on type milling cutters

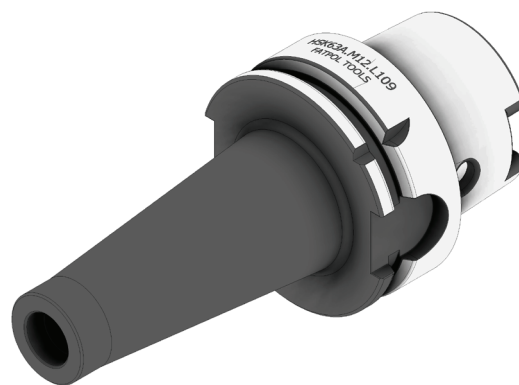
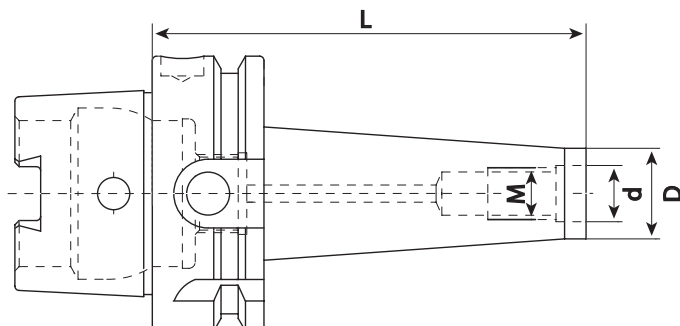
Fräsdorne für Aufschraubfräser

Адаптер для винтового шпинделя

G6.3
STANDARD

G2.5
ON REQUEST

A/E/F
DIN69893 HSK



rys.: HSK63A.M12.L109

Stożek Holder (HSK)	Gwint Thread M	ø d (mm)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	M6	6,5	9,7	59	HSK50A.M06.L59	-	-
50	M6	6,5	9,7	109	HSK50A.M06.L109	-	-
50	M8	8,5	13	59	HSK50A.M08.L59	-	-
50	M8	8,5	13	109	HSK50A.M08.L109	-	-
50	M8	8,5	13	134	HSK50A.M08.L134	-	-
50	M10	10,5	18	59	HSK50A.M10.L59	-	-
50	M10	10,5	18	109	HSK50A.M10.L109	-	-
50	M10	10,5	18	134	HSK50A.M10.L134	-	-
50	M12	12,5	21	59	HSK50A.M12.L59	-	-
50	M12	12,5	21	109	HSK50A.M12.L109	-	-
50	M12	12,5	21	134	HSK50A.M12.L134	-	-
63	M6	6,5	9,7	59	-	HSK63E.M06.L59	HSK63F.M06.L59
63	M6	6,5	9,7	109	-	HSK63E.M06.L109	HSK63F.M06.L109
63	MK8	8,5	13	59	HSK63A.M08.L59	HSK63E.M08.L59	HSK63F.M08.L59
63	MK8	8,5	13	109	HSK63A.M08.L109	HSK63E.M08.L109	HSK63F.M08.L109
63	MK8	8,5	13	134	HSK63A.M08.L134	HSK63E.M08.L134	HSK63F.M08.L134
63	MK10	10,5	18	59	HSK63A.M10.L59	HSK63E.M10.L59	HSK63F.M10.L59
63	MK10	10,5	18	109	HSK63A.M10.L109	HSK63E.M10.L109	HSK63F.M10.L109
63	MK10	10,5	18	134	-	HSK63E.M10.L134	HSK63F.M10.L134
63	MK10	10,5	18	159	HSK63A.M10.L159	-	-
63	MK12	12,5	21	59	HSK63A.M12.L59	HSK63E.M12.L59	HSK63F.M12.L59
63	MK12	12,5	21	109	HSK63A.M12.L109	HSK63E.M12.L109	HSK63F.M12.L109
63	MK12	12,5	21	159	HSK63A.M12.L159	HSK63E.M12.L159	-
63	MK12	12,5	21	209	HSK63A.M12.L209	-	-
63	MK16	17	29	59	HSK63A.M16.L59	HSK63E.M16.L59	HSK63F.M16.L59
63	MK16	17	29	109	HSK63A.M16.L109	HSK63E.M16.L109	HSK63F.M16.L109
63	MK16	17	29	159	HSK63A.M16.L159	HSK63E.M16.L159	-
63	MK16	17	29	209	HSK63A.M16.L209	-	-
100	M12	12,5	21	87	HSK100A.M12.L87	-	-
100	M12	12,5	21	137	HSK100A.M12.L137	-	-
100	M12	12,5	21	187	HSK100A.M12.L187	-	-
100	M16	17	29	87	HSK100A.M16.L87	-	-
100	M16	17	29	137	HSK100A.M16.L137	-	-
100	M16	17	29	187	HSK100A.M16.L187	-	-

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Uchwyty do gwintowania z kompensacją osiową

Quick - change tapping chucks with length compensation

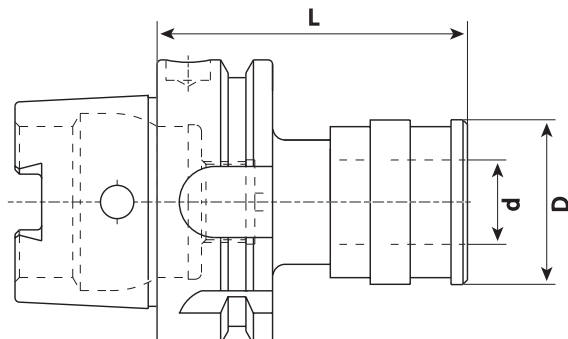
Gewindeschneid - Schnellwechselfutter mit Längenausgleich auf Druck und Zug

Патроны для метчиков с осевой компенсацией

LENGHT
COMPENSATION

G6,3
STANDARD

A
DIN69893 HSK



rys.: HSK63A.GW31K.L110

Stożek Holder (HSK)	ø d (mm)	ø D (mm)	Zakres gwintowania Threading range (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
					DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	19	48	M2 - M14	72	HSK50A.GW16K.L72	-	-
50	31	60	M5 - M24	110	HSK50A.GW31K.L110	-	-
63	19	38	M2 - M14	72	HSK63A.GW19K.L72	-	-
63	31	54	M5 - M24	110	HSK63A.GW31K.L110	-	-
100	19	36	M3 - M14	80	HSK100A.GW19K.L80	-	-
100	31	53	M5 - M24	100	HSK100A.GW31K.L100	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Zabieraki szybkosmienne
Tapping collets
Einsatz mit Rutschkupplung
Нарезание резьбы Цанги

Strona / Page: 330



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Trzpienie z uchwytem wiertarskim monolityczne, prawe i lewe obroty

NC - Drill chucks for left and right rotation

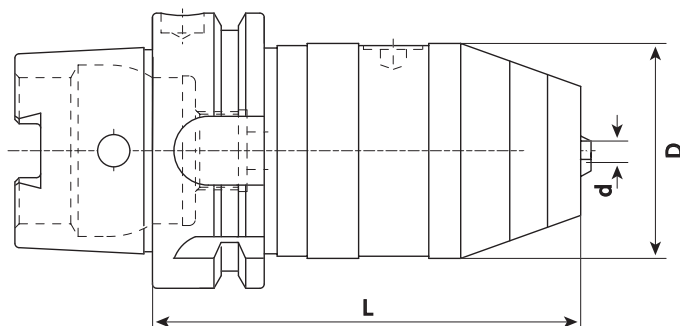
NC - Bohrfutter für Rechts - und Linkslauf

Оправки со сверлильным патроном монолитные

DRILL
CHUCK

G6.3
STANDARD

A
DIN69893 HSK



rys.: HSK63A.UWK13.L111

Stożek Holder (HSK)	Zakres mocowania Clamping range ø d (mm)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
				DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	1 - 13	13	111	HSK50A.UWK13.L111	-	-
50	1 - 16	16	111	HSK50A.UWK16.L111	-	-
63	1 - 13	50	111	HSK63A.UWK13.L111	-	-
63	3 - 16	57	111	HSK63A.UWK16.L111	-	-
100	1 - 10	50	111	HSK100A.UWK13.L111	-	-
100	3 - 16	57	111	HSK100A.UWK16.L111	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Dysze do HSK
HSK Delivery unit
HSK Kühlmittelübergabee.
Блок доставки

Strona / Page: 328



Klucze do HSK
HSK Wrenches
HSK Schlüssel
HSK Ключ

Strona / Page: 328



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

UCHWYTY NARZĘDZIOWE HSK

HSK TOOLHOLDERS

Trzpienie - półfabrykaty

Boring bar blanks for the production of special tools

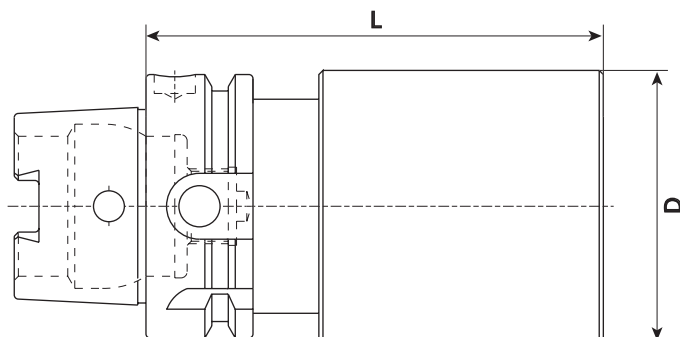
Rohlinge zur Anfertigung von Sonderwerkzeugen

Оправка - полуфабрикат

BLANK

G6.3
STANDARD

A/E/F
DIN69893 HSK



rys.: HSK63A.D63.L250

Stożek Holder (HSK)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
			DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
50	50	200	HSK50A.D50.L200	HSK50E.D50.L200	HSK50F.D50.L200
50	63	200	HSK50A.D63.L200	HSK50E.D63.L200	HSK50F.D63.L200
63	63	250	HSK63A.D63.L250	HSK63E.D63.L250	HSK63F.D63.L250
63	80	250	HSK63A.D80.L250	HSK63E.D80.L250	HSK63F.D80.L250
100	97	315	HSK100A.D97.L315	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331

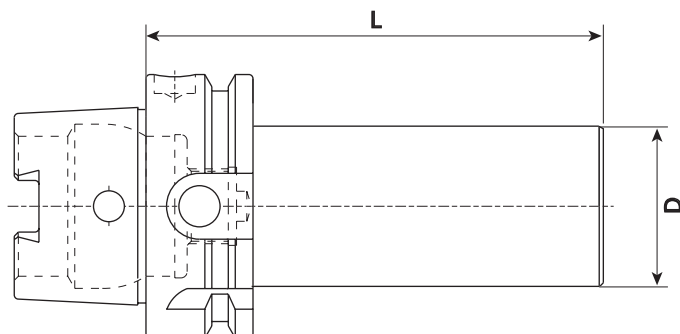
Trzpienie kontrolne

Test arbors
Kontrollidorne
тест беседок

TEST
ARBOR

G6,3
STANDARD

A/E/F
DIN69893 HSK



rys.: HSK63A.TA40.L300

Stożek Holder (HSK)	ø D (mm)	L (mm)	Kod produktu Order Nr. / Bestell-Nr. / Код товара		
			DIN 69893 (A)	DIN 69893 (E)	DIN 69893 (F)
40	25	150	HSK40A.TA25.L150	-	-
50	32	200	HSK50A.TA32.L200	HSK50E.TA32.L200	HSK50E.TA32.L200
63	40	300	HSK63A.TA40.L300	HSK63E.TA40.L300	HSK63E.TA40.L300
80	40	300	HSK80A.TA40.L300	HSK80E.TA40.L300	HSK80E.TA40.L300
100	50	300	HSK100A.TA50.L300	-	-

Akcesoria / Accessories / Zubehör / Аксессуары:



Wyciory
Taper wipers
Kegelwischer
Конусность дворники

Strona / Page: 331