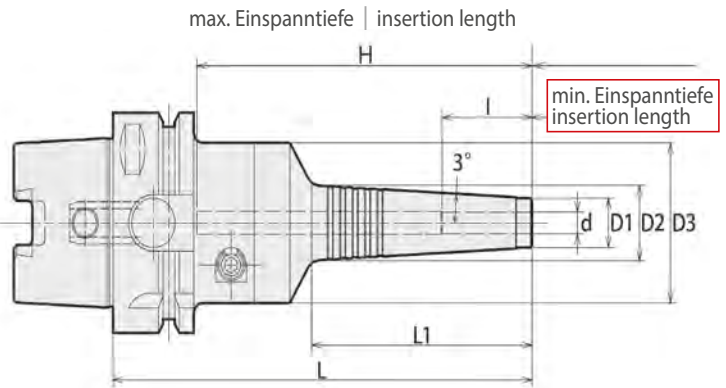




HSK63A

DIN 69893 | ISO 12164

3.0
25.0

0.003
3xD

G2.5
25.000
min⁻¹



Halter Holder			d	D ₁	D ₂	D ₃	L	L ₁	L ₀	I	H		
HSK63A	-PHC03SA	-80 -H	3	11	13,0	46	80	19	-	18	53	-	L-4T
		-90 -H	3	11	14,2	46	90	30	-	18	63	-	L-4T
		-135 -H	3	11	18,5	46	135	71	-	18	108	-	L-4T
	-PHC04SA	-80 -H	4	11	13,0	46	80	19	-	24	53	-	L-4T
		-90 -H	4	11	14,2	46	90	30	-	24	63	-	L-4T
		-135 -H	4	11	18,5	46	135	71	-	24	108	-	L-4T
	-PHC06SA	-90 -H	6	13	15,8	46	90	26	-	29	63	-	L-4T
		-135 -H	6	13	20,5	46	135	71	-	29	108	-	L-4T
		-150 -H	6	13	22,2	46	150	87	-	29	123	-	L-4T
		-165 -H	6	13	23,7	46	165	102	-	29	138	-	L-4T
	-PHC08SA	-180 -H	6	13	25,4	46	180	118	-	29	153	-	L-4T
		-90 -H	8	15	17,9	46	90	27	-	29	63	-	L-4T
		-135 -H	8	15	22,6	46	135	72	-	29	108	-	L-4T
		-150 -H	8	15	24,2	46	150	87	-	29	123	-	L-4T
	-PHC10SA	-165 -H	8	15	25,8	46	165	103	-	29	138	-	L-4T
		-180 -H	8	15	27,4	46	180	118	-	29	153	-	L-4T
		-105 -H	10	17	21,5	46	105	42	-	40	78	-	L-4T
		-135 -H	10	17	24,6	46	135	72	-	40	108	-	L-4T
	-PHC12SA	-150 -H	10	17	26,3	46	150	87	-	40	123	-	L-4T
		-165 -H	10	17	27,8	46	165	103	-	40	138	-	L-4T
		-180 -H	10	17	29,5	46	180	119	-	40	153	-	L-4T
		-105 -H	12	19	23,6	46	105	43	-	40	78	HS12-d	L-4T
	-PHC16SA	-135 -H	12	19	26,7	46	135	73	-	40	108	HS12-d	L-4T
		-150 -H	12	19	28,3	46	150	88	-	40	123	HS12-d	L-4T
		-165 -H	12	19	30,0	46	165	104	-	40	138	HS12-d	L-4T
		-180 -H	12	19	31,5	46	180	119	-	40	153	HS12-d	L-4T
	-PHC20SA	-135 -H	16	23	30,6	52,5	135	72	-	40	90	-	L-4T
		-165 -H	16	23	33,8	52,5	165	103	-	40	120	-	L-4T
		-180 -H	16	23	35,5	52,5	180	119	-	40	135	-	L-4T
	-PHC25SA	-150 -H	20	28	34,7	62	150	63	42	40	85	HS20-d	L-6T
		-180 -H	20	28	37,8	62	180	93	42	40	115	HS20-d	L-6T
		-195 -H	20	28	39,5	62	195	109	42	40	130	HS20-d	L-6T
	-PHC25SA	-150 -H	25	37	43,9	62	150	65	42	50	85	-	L-6T
		-180 -H	25	37	47,1	62	180	96	42	50	115	-	L-6T
		-195 -H	25	37	48,8	62	195	112	42	50	130	-	L-6T

- Schafttoleranz h6
- HSK-Kühlmittelrohr und L-T 6kant im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- Längeneinstellschraube optional

- Tool shank diameter tolerance must be within h6
- HSK-Coolant pipe and L-T hex wrench included in delivery
- HSK with holes for manual clamping
- length adjustment screw optional

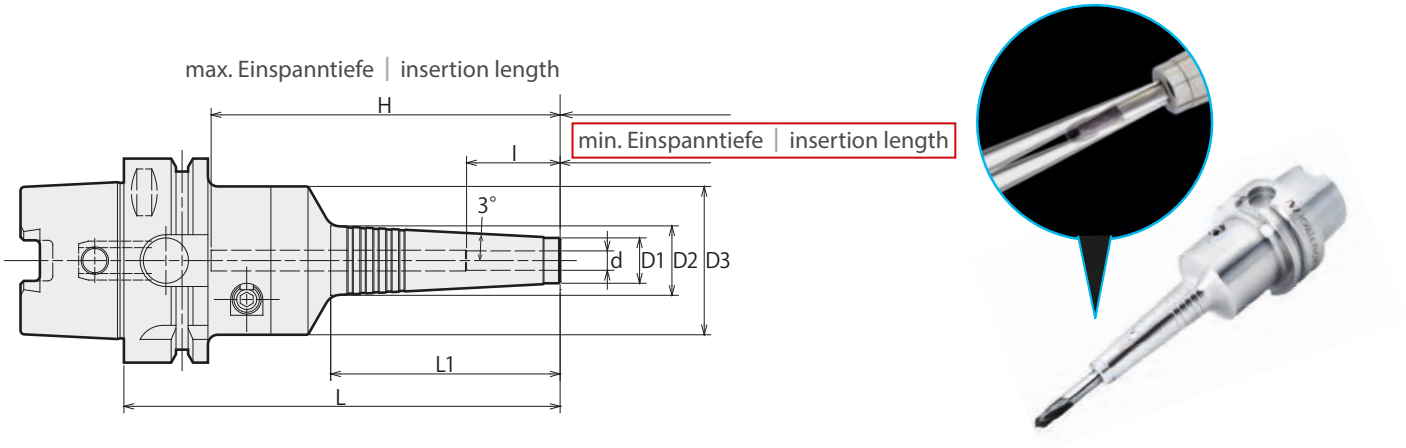


PHC·SA-C

mit Kühlmittelnuten

with coolant channels

cool series



HSK63A

DIN 69893 | ISO 12164

3.0

25.0

0.003

3xD

G2.5

25.000

min⁻¹

HA

HB

Halter Holder				d	D ₁	D ₂	D ₃	L	L ₁	I	H	
HSK63A	-PHC03SA	-135	-C	3	12	19,5	46	135	71	18	108	L-4T
	-PHC04SA	-80	-C	4	12	14,0	46	80	19	24	53	L-4T
	-PHC06SA	-135	-C	4	12	19,5	46	135	71	24	108	L-4T
	-PHC08SA	-135	-C	6	14	21,5	46	135	71	29	108	L-4T
	-PHC10SA	-135	-C	8	16	23,6	46	135	72	29	108	L-4T
	-PHC12SA	-135	-C	10	18	25,6	46	135	72	40	108	L-4T
	-PHC12SA	-135	-C	12	20	27,7	46	135	73	40	108	L-4T
	-PHC12SA	-180	-C	12	20	32,5	46	180	119	40	153	L-4T
	-PHC16SA	-135	-C	16	24	31,6	52,5	135	72	40	90	L-4T
	-PHC16SA	-180	-C	16	24	36,5	52,5	180	119	40	135	L-4T
	-PHC20SA	-150	-C	20	29	35,7	62	150	63	40	85	L-6T
	-PHC20SA	-195	-C	20	29	40,5	62	195	109	40	130	L-6T
	-PHC25SA	-150	-C	25	38	44,9	62	150	65	50	85	L-6T
	-PHC25SA	-195	-C	25	38	49,8	62	195	112	50	130	L-6T

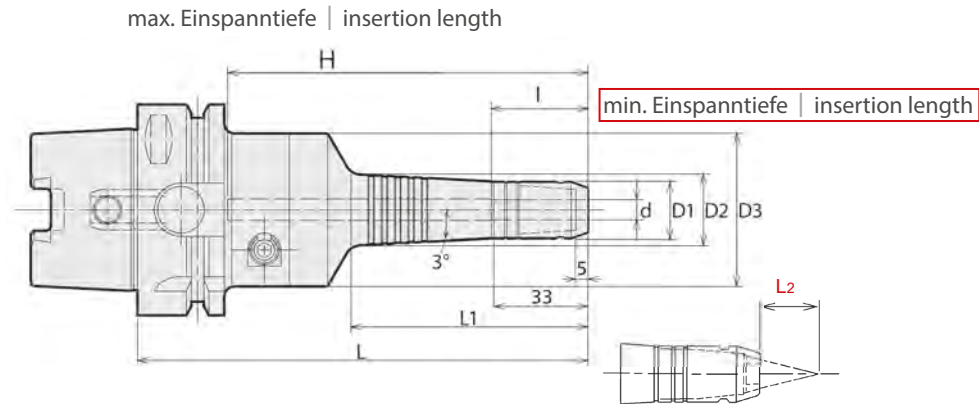
- Schafttoleranz h6
 - HSK-Kühlmittelrohr und L-T 6kant im Lieferumfang enthalten
 - HSK mit Bohrung für Handspannung
 - Längeneinstellschraube optional
- Tool shank diameter tolerance must be within h6
 - HSK-Coolant pipe and L-T hex wrench included in delivery
 - HSK with holes for manual clamping
 - length adjustment screw optional

Zubehör
Accessories
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PHC·SA-NC

cool series

mit JET-CAP Kühlung
with JET-CAP coolant



HSK63A

DIN 69893 | ISO 12164

4.0
12.0

0.003
3xD

G2.5
25.000
min⁻¹



Halter Holder				d	D ₁	D ₂	D ₃	L	L ₁	H	I	L ₂	
HSK63A	-PHC04SA	-140	-NC	4	15	19,5	46	140	76	118	29	20	L-4T
	-PHC06SA	-140	-NC	6	17	21,5	46	140	76	113	34	30	L-4T
	-PHC08SA	-140	-NC	8	19	23,6	46	140	77	113	34	40	L-4T
	-PHC10SA	-140	-NC	10	21	25,6	46	140	77	113	45	50	L-4T
	-PHC12SA	-140	-NC	12	23	27,7	46	140	78	113	45	60	L-4T
	-PHC12SA	-185	-NC	12	23	32,5	46	185	124	158	45	60	L-4T

- Schafttoleranz h6
- HSK-Kühlmittelrohr und L-T 6kant im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung ohne Bohrung für Datenträger
- Längeneinstellschraube optional

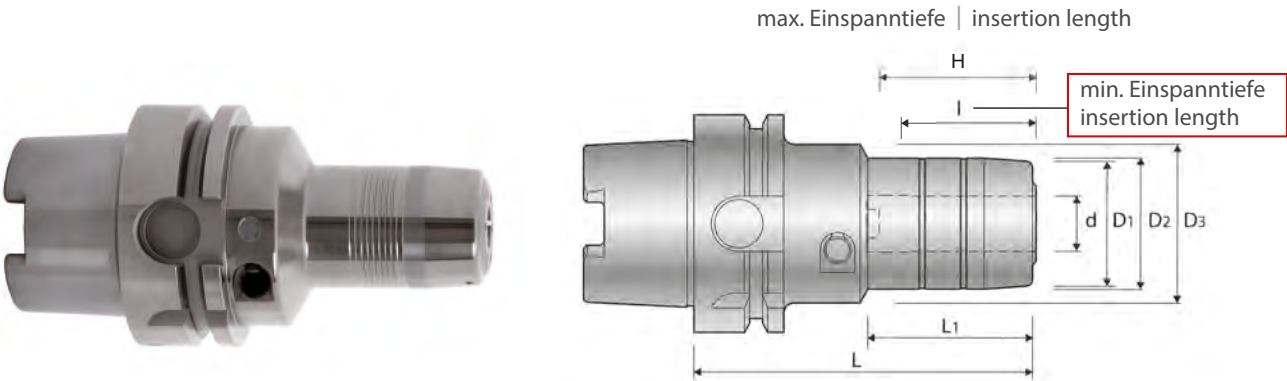
- Tool shank diameter tolerance must be within h6
- HSK-Coolant pipe and L-T hex wrench included in delivery
- HSK with holes for manual clamping
- length adjustment screw optional



PHC•A

Power Dehnspannfutter

Power Hydro Chuck



HSK63A

DIN 69893 | ISO 12164

3.0
32.0

0.003
50

max
20.000
min⁻¹

Tol.
h6

HA

HB

Halter Holder			d	D ₁	D ₂	D ₃	L	L ₁	I	H		
HSK63A	-PHC03A	-65-H ¹	3	-	24	46	65	20	18	27	-	L-4T
	-PHC04A	-70-H ¹	4	-	25	46	70	25	24	29	-	L-4T
	-PHC06A	-75-H	6	24	26	46	75	30	29	34	-	L-4T
		-120-H	6	24	26	46	120	41	29	45	-	L-4T
	-PHC08A	-75-H	8	26	28	46	75	30	29	34	-	L-4T
		-120-H	8	26	28	46	120	41	29	45	-	L-4T
	-PHC10A	-90-H	10	28	30	52	90	44	40	50	-	L-4T
		-120-H	10	28	30	52	120	64	40	70	-	L-4T
	-PHC12A	-90-H	12	30	32	52	90	45	40	50	PHS12-d	L-4T
		-120-H	12	30	32	52	120	65	40	70	PHS12-d	L-4T
	-PHC14A	-90-H	14	34	36	52	90	46	40	50	-	L-4T
		-120-H	14	34	36	52	120	66	40	70	-	L-4T
	-PHC16A	-90-H	16	36	38	52	90	46	40	50	-	L-4T
		-120-H	16	36	38	52	120	66	40	70	-	L-4T
	-PHC20A	-90-H	20	40	42	46	90	49	40	50	PHS20-d	L-4T
		-120-H	20	40	42	46	120	69	40	70	PHS20-d	L-4T
	-PHC25A	-135-H	25	50	52	59	135	59	50	60	-	L-6T
		-150-H	25	50	52	59	150	79	50	80	-	L-6T
	-PHC32A	-135-H	32	60	62	85	135	42	65	60	-	L-6T
		-150-H	32	60	62	62	150	108	65	80	-	L-6T

- HSK-Kühlmittelrohr im Lieferumfang enthalten

• HSK mit Bohrung für Handspannung

• Mit axialer Längeneinstellung

¹ ohne axiale Längeneinstellung

• HSK-Coolant pipe included in delivery

• HSK with holes for manual clamping

• With axial length adjustment

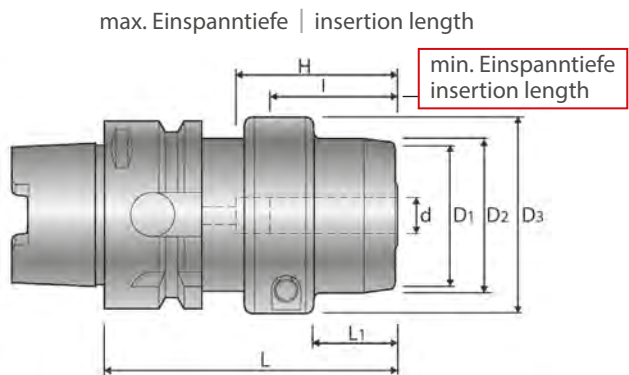
Zubehör

Accessories

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HSK63A

DIN 69893 | ISO 12164

6.0
32.0

0.003
50

max
20.000
min⁻¹



Tol.
h6



mit erhöhter Spannkraft
with enhanced clamping force

Halter Holder			d	D ₁	D ₂	D ₃	L	L ₁	I	H		
HSK63A	-PHC16H	-75-H	16	-	44	56	17	21	45	51	-	L-4T
	-PHC20H	-105-H	20	48	50	60	105	32	50	75	PHS20H-d	L-4T
	-PHC25H	-105-H	25	58	60	69	105	35	55	75	-	L-5T
	-PHC32H	-105-H	32	63	65	75	105	37	65	78	PHS32H-d	L-5T
		-135-H	32	63	65	75	135	47	65	105	PHS32H-d	L-5T

- HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung

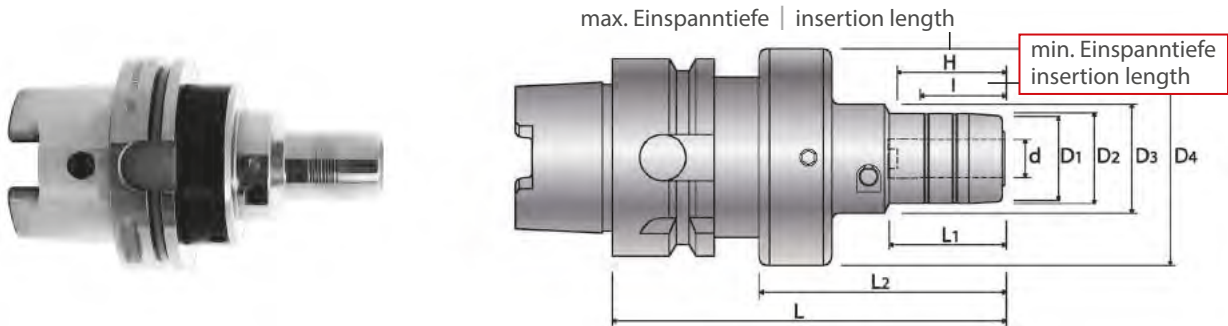
- HSK-Coolant pipe included in delivery
- HSK with holes for manual clamping

PHC-Z

R "0" series

Dehnspannfutter mit Rundlauf „0“

Hydro Chuck with run-out „0“



HSK63A
DIN 69893 | ISO 12164

3.0
20.0
PHC-Z

6.0
12.0
PHZ-S

0-2
µm

max
15.000
min⁻¹

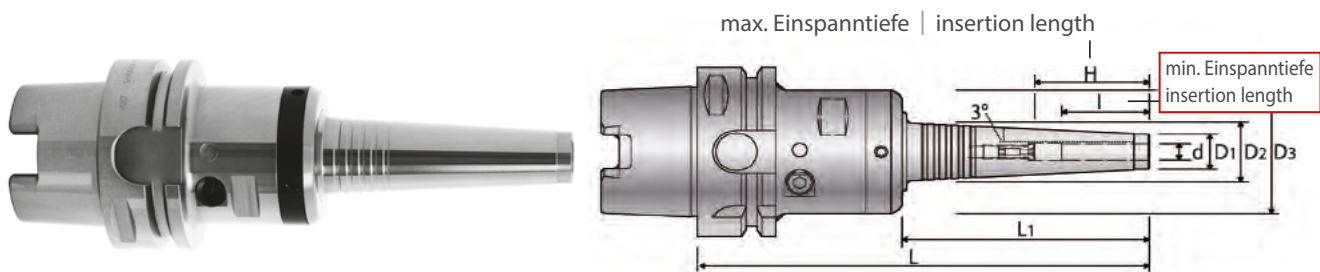


Tol.
h6



MMS
MQL

Halter Holder			d	D ₁	D ₂	D ₃	D ₄	L	L ₁	L ₂	I	H				*
HSK63A	-PHC-Z12A	-135	12	30	32	52	76	135	45	93	40	50	PHS12-d	L-4T	L-5T	
	-PHC-Z20A	-135	20	40	42	46	69	135	45	93	40	50	PHS12-d	L-4T	L-5T	



PHZ-S

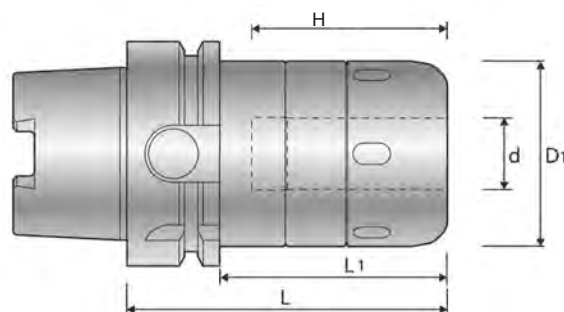
mit superschlanker Bauform
with super-slim design

Halter Holder			d	D ₁	D ₂	D ₃	L	L ₂	I	H				*
HSK63A	-PHZ06S	-150-H	6	13	21,5	46	150	82	29	37	-	L-4T	L-3T	
		-180-H	6	13	24,6	46	180	112	29	37	-	L-4T	L-3T	
	-PHZ08S	-150-H	8	15	23,5	46	150	82	29	50	-	L-4T	L-3T	
		-180-H	8	15	26,6	46	180	112	29	50	-	L-4T	L-3T	
	-PHZ10S	-150-H	10	17	25,5	46	150	82	40	50	-	L-4T	L-3T	
		-180-H	10	17	28,2	46	180	112	40	50	-	L-4T	L-3T	
	-PHZ12S	-150-H	12	19	27,4	46	150	82	40	70	HS12-d	L-4T	L-3T	
		-180-H	12	19	28,2	46	180	112	40	70	HS12-d	L-4T	L-3T	

- HSK-Kühlmittelrohr im Lieferumfang enthalten
 - HSK mit Bohrung für Handspannung
 - Mit axialer Längeneinstellung
 - Mit ID-Chip Bohrung (PHC-Z)
- * 6kant-Schlüssel für Einstellring

- HSK-Coolant pipe included in delivery
 - HSK with holes for manual clamping
 - With axial length adjustment.
 - With ID-Chip hole (PHC-Z)
- * Hex wrench for Rotor ring.





HSK63A

DIN 69893 | ISO 12164

3.0
32.0

0.005
3x D

max
20.000
min⁻¹



Halter Holder			d	D ₁	L	L ₁	H		
HSK63A	-CT16SA	-75-H ¹	16	45	75	49	47	MC16-d	HS-1-16
		-90-H	16	45	90	64	60	MC16-d	HS-1-16
	-CT20SA	-75-H ¹	20	52	75	49	49	MC20-d-SL	HS-2-20
		-90-H ¹	20	52	90	64	60	MC20-d	HS-2-20
		-105-H ¹	20	52	105	79	75	MC20-d	HS-2-20
		-135-H ¹	20	52	135	109	80	MC20-d	HS-2-20
	-CT25SA	-105-H ¹	25	61	105	-	75	MC25-d	HS-2.5-25
		-120-H ¹	25	61	120	-	75	MC25-d	HS-2.5-25
		-135-H ¹	25	61	135	-	80	MC25-d	HS-2.5-25
	-CT32SA	-105-H ¹	32	73	105	-	75	MC32-d	HS-3-32
		-120-H ¹	32	73	120	-	90	MC32-d	HS-3-32
		-150-H ¹	32	73	150	-	120	MC32-d	HS-3-32

CT·SA-C cool series



mit Peripheriekühlung
with side-through coolant

Halter Holder			d	D ₁	L	L ₁	H		
HSK63A	-CT20SA	-90-C	20	52	90	64	60	n.a.	HS-2-20

CTS·P Power Kraftspannfutter

Milling Chuck

mit erhöhter Spannkraft
with enhanced clamping force

Halter Holder			d	D ₁	L	L ₁	H		
HSK63A	-CT20S	-100P	20	52	100	89	75	MC20-d	RS-20

- HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- ¹ MC-A Spannhülsen nicht einsetzbar

- HSK-Coolant pipe included in delivery
- HSK with holes for manual clamping
- ¹ MC-A Collets cannot be used

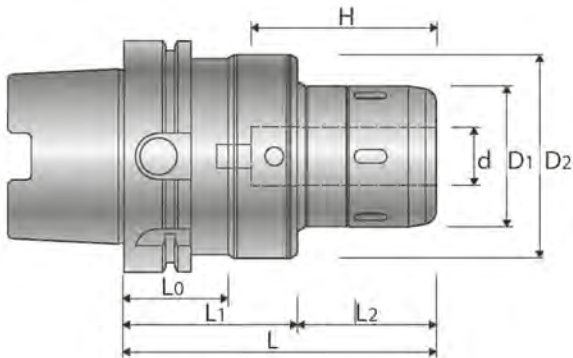


CTZ·SA

R "0" series

Kraftspannfutter mit Rundlauf „0“

Milling Chuck with run-out „0“



HSK63A

DIN 69893 | ISO 12164

4.0
32.0

0-2
µm

max
15.000
min⁻¹

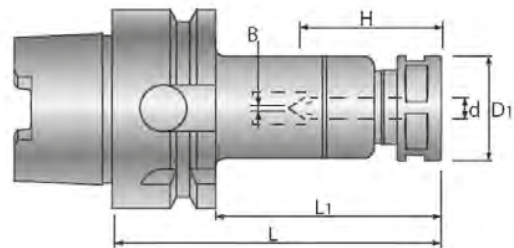
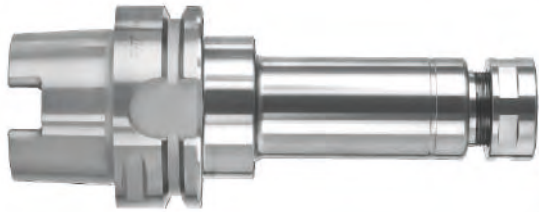


Halter Holder			d	D ₁	D ₂	L	L ₁	L ₂	L ₀	H			
HSK63A	-CTZ25SA	-135-H ¹	25	61	74	135	71	64	42	80	MC25-d	HS-2.5-25	L-6L
		-150-H ¹	25	61	74	150	71	79	42	80	MC25-d	HS-2.5-25	L-6L
	-CTZ32SA	-135-H ¹	32	68	80	135	71	64	42	105	MC32-d	HS-3-32	L-6L
		-150-H ¹	32	68	80	150	71	79	42	105	MC32-d	HS-3-32	L-6L

- HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- ¹ MC-A Spannhülsen nicht einsetzbar
- * 6kant-Schlüssel für Einstellring

- HSK-Coolant pipe included in delivery
- HSK with holes for manual clamping
- ¹ MC-A Collets cannot be used
- * Hex wrench for Rotor ring.





HSK63A

DIN 69893 | ISO 12164

1.0
22.0

0.005
4xD

max
20.000
min⁻¹

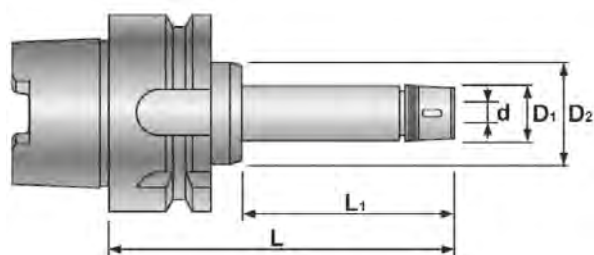
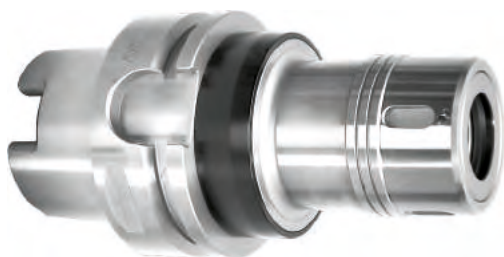


Halter Holder			d	D ₁	L	L ₁	H	B		
HSK63A	-HDC07A	-75-H	1.0-7.0	23	75	49	22-32	0-4	FDC-07	S-0
		-90-H	1.0-7.0	23	90	64	22-42	0-4	FDC-07	S-0
		-120-H	1.0-7.0	23	120	94	22-42	0-4	FDC-07	S-0
		-150-H	1.0-7.0	23	150	124	22-42	0-4	FDC-07	S-0
		-180-H	1.0-7.0	23	180	154	22-42	0-4	FDC-07	S-0
	-HDC09A	-75-H	3.0-9.0	26	75	49	27-31	0-4	FDC-09	S-1L
		-90-H	3.0-9.0	26	90	64	27-39	0-4	FDC-09	S-1L
		-120-H	3.0-9.0	26	120	94	27-54	0-4	FDC-09	S-1L
		-150-H	3.0-9.0	26	150	124	27-54	0-4	FDC-09	S-1L
		-180-H	3.0-9.0	26	180	154	27-54	0-4	FDC-09	S-1L
	-HDC12A	-75-H	3.0-12.0	32	75	49	46	-	FDC-12	S-3L
		-90-H	3.0-12.0	32	90	64	33-45	0-5	FDC-12	S-3L
		-120-H	3.0-12.0	32	120	94	33-66	0-5	FDC-12	S-3L
		-150-H	3.0-12.0	32	150	124	33-66	0-5	FDC-12	S-3L
		-180-H	3.0-12.0	32	180	154	33-66	0-5	FDC-12	S-3L
	-HDC16A	-75-H	4.0-16.0	36	75	49	45	-	FDC-16	S-4L
		-90-H	4.0-16.0	36	90	64	38-45	0-6	FDC-16	S-4L
		-120-H	4.0-16.0	36	120	94	38-59	0-6	FDC-16	S-4L
		-150-H	4.0-16.0	36	150	124	38-79	0-6	FDC-16	S-4L
		-180-H	4.0-16.0	36	180	154	38-79	0-6	FDC-16	S-4L
	-HDC22A	-90-H	4.0-22.0	46	90	64	60	-	FDC-22	S-5L
		-120-H	4.0-22.0	46	120	94	47-60	0-8	FDC-22	S-5L
		-150-H	4.0-22.0	46	150	124	47-90	0-8	FDC-22	S-5L
		-180-H	4.0-22.0	46	180	154	47-100	0-8	FDC-22	S-5L
		-210-H	4.0-22.0	46	210	184	47-100	0-8	FDC-22	S-5L

- Spannmutter, HSK-Kühlmittehlrohr und Einstellschraube im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung

- Cap nut, HSK-Coolant pipe and preset screw included in delivery
- HSK with holes for manual clamping





HSK63A

DIN 69893 | ISO 12164

1.0
22.0

0.005
4xD

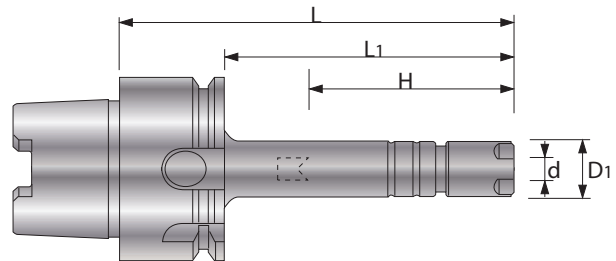
G2.5
20.000
min⁻¹



Halter Holder			d	D ₁	D ₂	L	L ₁		
HSK63A	-GDC07A	-75-H	1.0-7.0	23	52	75	34	FDC-07	S-0
		-90-H	1.0-7.0	23	52	90	49	FDC-07	S-0
		-120-H	1.0-7.0	23	52	120	79	FDC-07	S-0
	-GDC09A	-75-H	3.0-9.0	29	52	75	34	FDC-09	S-0
		-90-H	3.0-9.0	29	52	90	49	FDC-09	S-0
		-120-H	3.0-9.0	29	52	120	79	FDC-09	S-0
	-GDC12A	-90-H	3.0-12.0	34	52	90	49	FDC-12	FK-0034
		-120-H	3.0-12.0	34	52	120	79	FDC-12	FK-0034
		-150-H	3.0-12.0	34	52	150	109	FDC-12	FK-0034
	-GDC16A	-90-H	4.0-16.0	38	52	90	49	FDC-16	FK-0034
		-120-H	4.0-16.0	38	52	120	79	FDC-16	FK-0034
		-150-H	4.0-16.0	38	52	150	109	FDC-16	FK-0034
	-GDC22A	-90-H	4.0-22.0	49	52	90	49	FDC-22	FK-0045
		-120-H	4.0-22.0	49	52	120	79	FDC-22	FK-0045
		-150-H	4.0-22.0	49	52	150	109	FDC-22	FK-0045

- Spannmutter und HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- Einstellschraube optional

- Cap nut and HSK-Coolant pipe included in delivery
- HSK with holes for manual clamping
- Preset screw optional



HSK63A

DIN 69893 | ISO 12164

1.0
7.0

0.005
3xD

max
30.000
min⁻¹

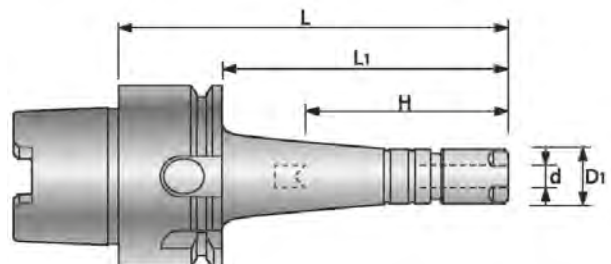
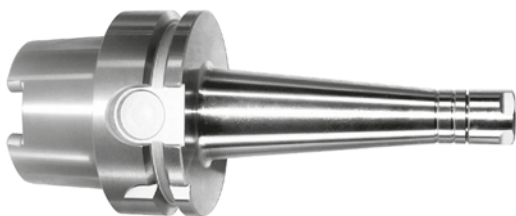
Super-
schlank
Super slim

Form S

Halter Holder			d	D ₁	L	L ₂	H		
HSK63A	-ERC8	-75-H ¹	1.0-5.0	12	75	49	34 (19-28)	ER8	S-8E
		-105-H ¹	1.0-5.0	12	105	79	34 (19-31)	ER8	S-8E
	-ERC11S	-75-H	1.0-7.0	16	75	49	22-34	ER11	S-11E
		-105-H	1.0-7.0	16	105	79	22-45	ER11	S-11E

- Spannmutter, HSK-Kühlmittelrohr und Einstellschraube im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- ¹ Ohne Einstellschraube

- Cap nut, HSK-Coolant pipe and preset screw included in delivery
- HSK with holes for manual clamping
- ¹ Without preset screw



HSK63A

DIN 69893 | ISO 12164

1.0
7.0

0.005
3xD

max
30.000
min⁻¹

Super-
schlank
Super slim

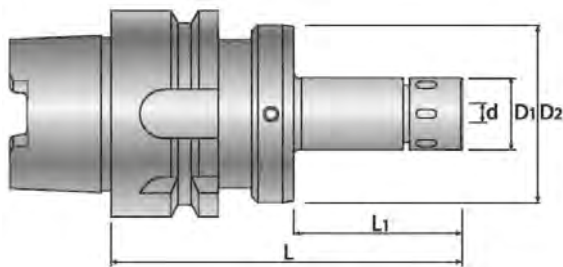
Form T

Halter Holder			d	D ₁	L	L ₂	H		
HSK63A	-ERC11S	-105T-H	1.0-7.0	16	105	79	22-45	ER11	S-11E
		-120T-H	1.0-7.0	16	120	94	22-45	ER11	S-11E
		-135T-H	1.0-7.0	16	135	109	22-45	ER11	S-11E

- Spannmutter, HSK-Kühlmittelrohr und Einstellschraube im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- ¹ Ohne Einstellschraube

- Cap nut, HSK-Coolant pipe and preset screw included in delivery
- HSK with holes for manual clamping
- ¹ Without preset screw





HSK63A
DIN 69893 | ISO 12164

1.0
20.0

0-2
µm

max
20.000
min⁻³



für ER-Spannzangen
for ER-Collets

Halter Holder			d	D ₁	D ₂	L	L ₁			 *
HSK63A	-ERZ11S	-90-H	1.0-7.0	16	34	90	48	ER11	S-11E	L-3T
	-ERZ16	-120-H	1.0-10.0	32	56	120	58	ER16	FK-0034	L-4T
	-ERZ32	-120-H	2.0-20.0	50	76	120	49	ER32	HS-2-20	L-5T

- Spannmutter, HSK-Kühlmittelrohr und Einstellschraube im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- * 6kant-Schlüssel für Einstellring

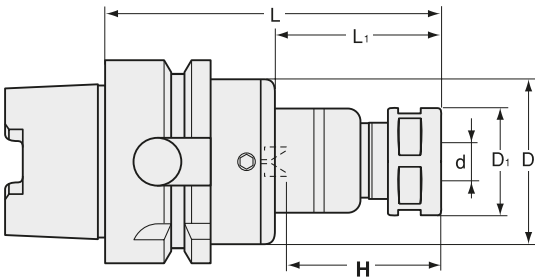
- Cap nut, HSK-Coolant pipe and preset screw included in delivery
- HSK with holes for manual clamping
- * Hex wrench for Rotor ring

HDZ-A

R "0" series

Spannzangenfutter mit Rundlauf „0“

Collet Chuck with run-out „0“



HSK63A

DIN 69893 | ISO 12164

1.0
22.0

0-2
µm

max
20.000
min⁻¹



für FDC-Spannzangen
for FDC-Collets

Halter Holder			d	D ₁	D ₂	L	L ₁	H			 *
HSK63A	-HDZ07	-75-H	1.0-7.0	23	41	75	33	22-34	FDC-07	S-0	L-3T
		-90-H	1.0-7.0	23	41	90	48	22-45	FDC-07	S-0	L-3T
		-120-H	1.0-7.0	23	41	120	78	22-45	FDC-07	S-0	L-3T
	-HDZ09	-75-H	3.0-9.0	26	45	75	33	27-34	FDC-09	S-1L	L-3T
		-90-H	3.0-9.0	26	45	90	48	27-42	FDC-09	S-1L	L-3T
		-120-H	3.0-9.0	26	45	120	78	27-57	FDC-09	S-1L	L-3T
	-HDZ12	-90-H	3.0-12.0	32	52	90	44	33-47	FDC-12	S-3L	L-4T
		-120-H	3.0-12.0	32	52	120	74	33-69	FDC-12	S-3L	L-4T
		-150-H	3.0-12.0	32	52	150	104	33-69	FDC-12	S-3L	L-4T
	-HDZ16	-90-H	3.0-16.0	36	56	90	28	38-47	FDC-16	S-4L	L-4T
		-120-H	3.0-16.0	36	56	120	58	38-61	FDC-16	S-4L	L-4T
		-150-H	3.0-16.0	36	56	150	88	38-81	FDC-16	S-4L	L-4T
	-HDZ22A	-120-H	4.0-22.0	46	69	120	49	47-63	FDC-22	S-5L	L-5T
		-150-H	4.0-22.0	46	69	150	79	47-63	FDC-22	S-5L	L-5T

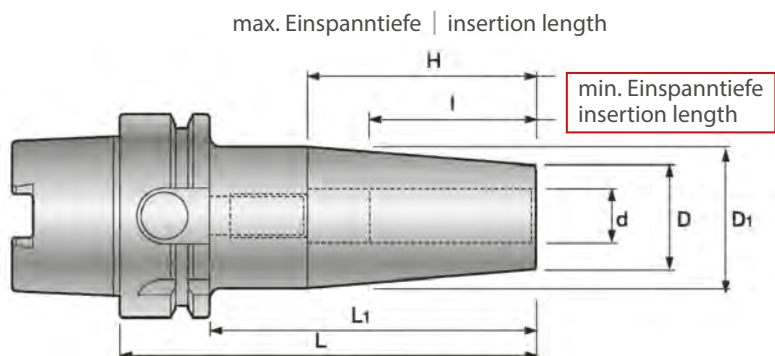
- Spannmutter, HSK-Kühlmittelrohr und Einstellschraube im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- Mit axialer Längeneinstellung

* 6kant-Schlüssel für Einstellring

- Cap nut, HSK-Coolant pipe and preset screw included in delivery
- HSK with holes for manual clamping
- With axial length adjustment

* Hex wrench for Rotor ring





HSK63A

DIN 69893 | ISO 12164

6.0
32.0

3
μm

4,5°

max
25.000
min⁻¹

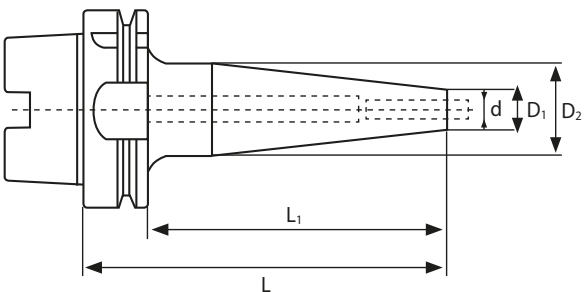


Tol.
h6

Halter Holder			d	D	D ₁	L	L ₁	I	H
HSK63A	-SRD6A	-80-H	6	21	52	80	54	26	36
		-120-H	6	21	52	120	94	26	36
		-160-H	6	21	52	160	134	26	36
	-SRD8A	-80-H	8	21	52	80	54	26	36
		-120-H	8	21	52	120	94	26	50
		-160-H	8	21	52	160	134	26	50
	-SRD10A	-85-H	10	24	52	85	59	32	42
		-120-H	10	24	52	120	94	32	50
		-160-H	10	24	52	160	134	32	50
	-SRD12A	-90-H	12	24	52	90	64	37	47
		-120-H	12	24	52	120	94	37	70
		-160-H	12	24	52	160	134	37	70
	-SRD14A	-90-H	14	27	52	90	64	37	47
		-120-H	14	27	52	120	94	37	70
		-160-H	14	27	52	160	134	37	70
	-SRD16A	-95-H	16	27	52	95	69	40	50
		-120-H	16	27	52	120	94	40	70
		-160-H	16	27	52	160	134	40	80
	-SRD18A	-95-H	18	33	52	95	69	40	50
		-120-H	18	33	52	120	94	40	70
		-160-H	18	33	52	160	134	40	80
	-SRD20A	-100-H	20	33	52	100	74	42	52
		-160-H	20	33	52	160	134	42	91
	-SRD25A	-115-H	25	44	52	115	89	48	62
		-160-H	25	44	52	160	134	48	97
	-SRD32A	-120-H	32	44	52	120	94	52	62
		-160-H	32	44	52	160	134	52	62

- HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung
- Wir empfehlen Thermogrip-Induktionsschrumpfgeräte

- HSK-Coolant Pipe included in delivery
- HSK with holes for manual clamping
- we recommend Thermogrip-Induction Heating Units



HSK63A

DIN 69893 | ISO 12164

6.0
12.0

5°

max
20.000
min⁻¹



DIN
6535 HB
6535 HE



mit Peripheriekühlung
with side-through coolant

Halter Holder			d	D ₁	D ₂	L	L ₂
HSK63A	-SL2-6	-150T-C	6	13	30	150	124
	-SL2-8	-150T-C	8	15	30	150	124
	-SL2-10	-150T-C	10	17	34	150	124
	-SL2-12	-150T-C	12	19	34	150	124

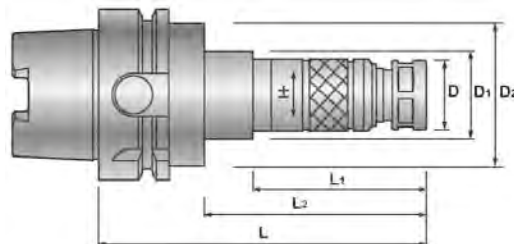
- Kühlmittelrohr im Lieferumfang enthalten
- Einstellschraube optional
- HSK mit Bohrung für Handspannung

- HSK-Coolant pipe included in delivery
- Preset screw optional
- HSK with holes for manual clamping

Kühlmittelnuten

coolant channels





HSK63A

DIN 69893 | ISO 12164

SFH

mit easy-Längeneinstellung
with easy-length adjustment

M3
M30

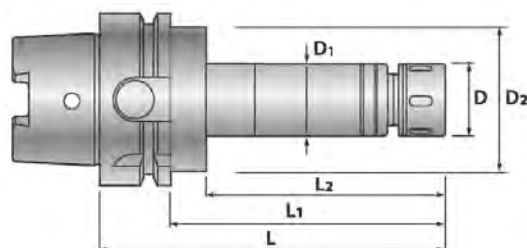
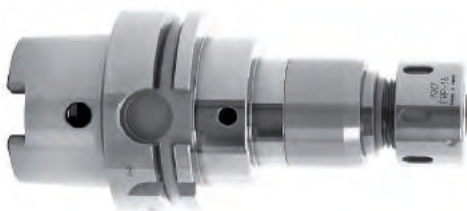
Halter Holder			Schneidbereich Tapping range	D	D ₁	D ₂	L	L ₁	L ₂		
HSK63A	-SFH12	-135	M3-M8	26	34	47	135	60	93	FSC-09	S-1L
		-150	M3-M8	26	34	47	150	75	108	FSC-09	S-1L
		-165	M3-M8	26	34	47	165	90	123	FSC-09	S-1L
	-SFH18	-150	M5-M20	36	40	47	150	68	108	FSC-16	S-4L
		-180	M5-M20	36	40	47	180	96	138	FSC-16	S-4L
	-SFH30	-180	M20-M30	46	50	-	180	87	154	FSC-22	S-5L

- HSK-Kühlmittelrohr und Spannmutter im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung

- HSK-Coolant pipe and cap nut included in delivery
- HSK with holes for manual clamping

Im Bestellfall bitte Steigung des Gewindewerkzeuges angeben

When ordering please specify pitch of tap



SFH-S

SFH-S

für ER-GB-Spannzangen
for ER-GB Collets SFH-S

M3
M20

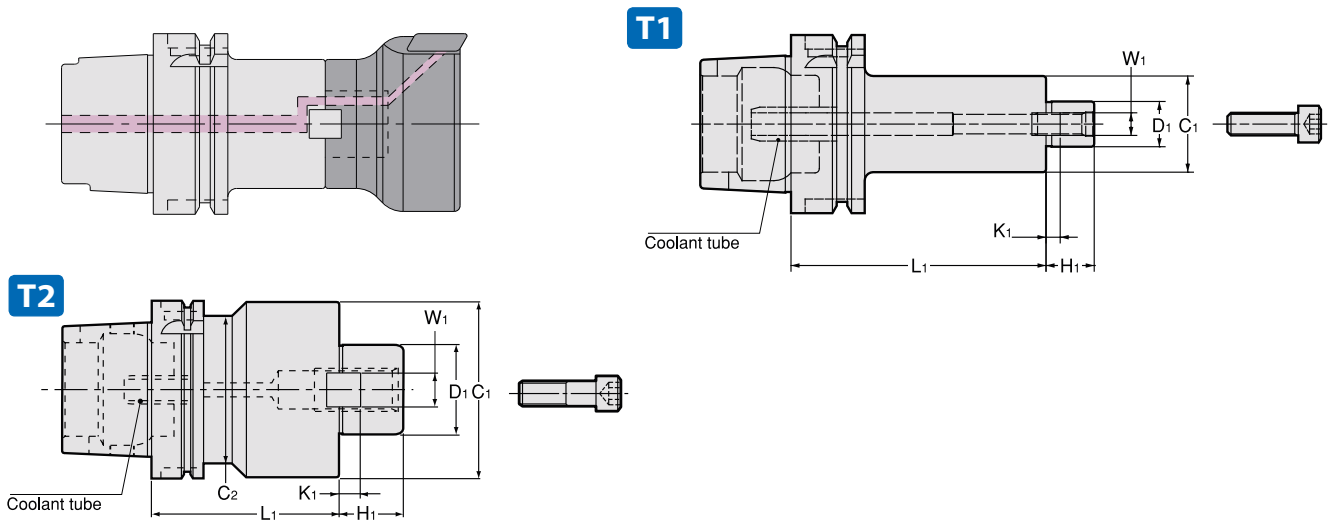
Halter Holder			Schneidbereich Tapping range	D	D ₁	D ₂	L	L ₁	L ₂		
HSK63A	-SFH8S	-105	M3-M8	16	32	46,5	105	79	63	ER11-GB	S-11E
	-SFH12S	-105	M3-M12	32	34	46,5	105	79	63	ER16-GB	FK-0034
	-SFH18S	-130	M3-M20	42	40	46,5	130	104	88	ER25-GB	HS-1-16
	-SFH30S	-150	M5-M20	50	50	50	150	124	124	ER32-GB	HS-2-20

- HSK-Kühlmittelrohr und Spannmutter im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung

- HSK-Coolant pipe and cap nut included in delivery
- HSK with holes for manual clamping



Zubehör
Accessories
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HSK63A

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Halter Holder			Type	D ₁ (h6)	L ₁	C ₁	C ₂	H ₁	W ₁	K ₁	G ₁	Messerkopf Cutter		
HSK63A	-FMH16A	-34	-60-H	T1	16	60	34	-	17	8	5	M8	40 50	
			-90-H	T1	16	90	34	-	17	8	5	M8	40 50	
			-120-H	T1	16	120	34	-	17	8	5	M8	40 50	
	-FMH22A	-47	-60-H	T1	22	60	47	-	18	10	5	M10	50 63	
				-90-H	T1	22	90	47	-	18	10	5	M10	50 63
				-120-H	T1	22	120	47	-	18	10	5	M10	50 63
		-60	-60-H	T2	22	60	60	53	18	10	5	M10	50 63	
				-90-H	T2	22	90	60	53	18	10	5	M10	50 63
				-120-H	T2	22	120	60	53	18	10	5	M10	50 63
	-FMH27A	-60	-60-H	T2	27	60	60	53	20	12	6	M12	80	
				-90-H	T2	27	90	60	53	20	12	6	M12	80
				-120-H	T2	27	120	60	53	20	12	6	M12	80
		-76	-60-H	T2	27	60	76	53	20	12	6	M12	80	
				-90-H	T2	27	90	76	53	20	12	6	M12	80
				-120-H	T2	27	120	76	53	20	12	6	M12	80
	-FMH32A	-96	-60-H	T2	32	60	96	53	22	14	7	M16	100	
				-90-H	T2	32	90	96	53	22	14	7	M16	100
				-120-H	T2	32	120	96	53	22	14	7	M16	100

- HSK-Kühlmittelrohr im Lieferumfang enthalten
- HSK mit Bohrung für Handspannung

- HSK-Coolant pipe included in delivery
- HSK with holes for manual clamping