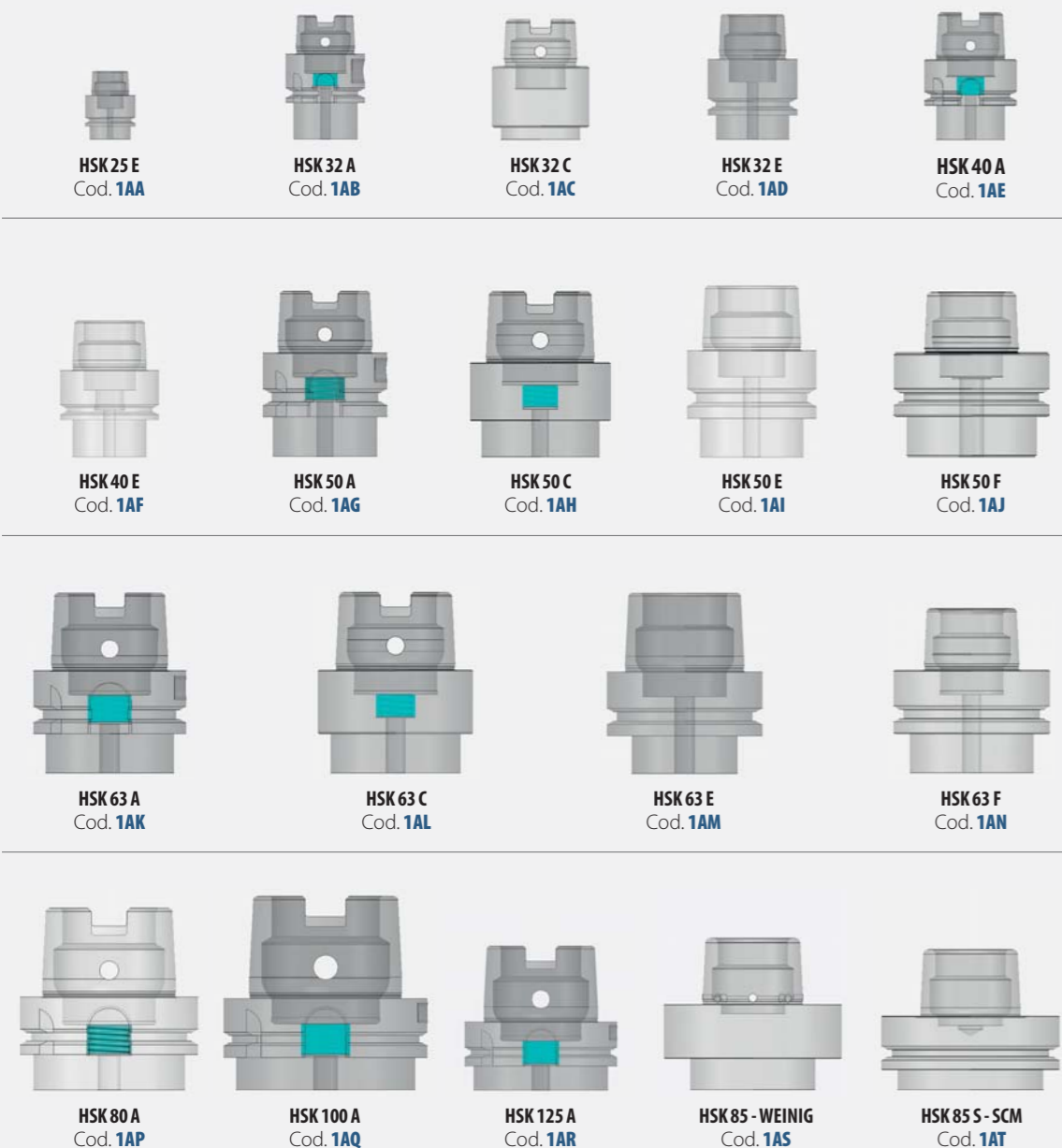


## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

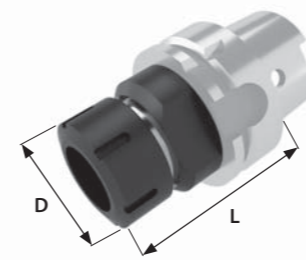
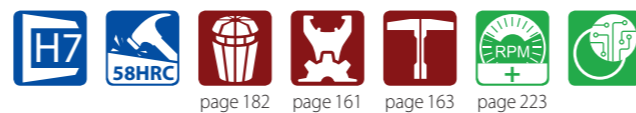


\*See page 69 for the complete list of DIN manufacturing rules.

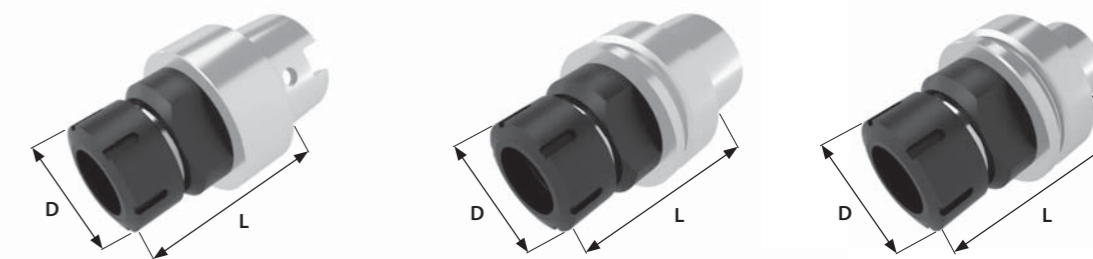


## Collet chucks RH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AA03	collet chuck with mini nut RH	ER 16	22	40	HSK 25 E	70.000
AA04	collet chuck with mini nut RH	ER 16	22	50	HSK 32 A-C-E	50.000
AA05	collet chuck with mini nut RH	ER 16	22	60	HSK 40 E	24.000
AA05	collet chuck with mini nut RH	ER 16	22	60	HSK 63 A-E-F	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 40 E	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 50 E	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 63 E-F	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 32 A-C-E	50.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 40 A-E	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 50 A-E	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 63 A-E-F	24.000
AA08	collet chuck with nut RH	ER 20	34	60	HSK 50 E	24.000
AA08	collet chuck with nut RH	ER 20	34	60	HSK 63 A-E-F	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 32 A-C-E	50.000
AA10	collet chuck with mini nut RH	ER 25	35	60	HSK 40 A-E	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 50 A-E	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 63 A-E-F	24.000
AA11	collet chuck with nut RH	ER 25	42	60	HSK 40 A-E	24.000
AA12	collet chuck with nut RH	ER 25	42	72,5	HSK 50 A-E	24.000
AA12	collet chuck with nut RH	ER 25	42	72,5	HSK 63 A-E-F	24.000
AA13	collet chuck with nut RH	ER 32	50	60	HSK 40 A-E	24.000
AA14	collet chuck with nut RH	ER 32	50	72,5	HSK 50 A-E-F	24.000
AA14	collet chuck with nut RH	ER 32	50	72,5	HSK 63 A-E-F	24.000
AA15	collet chuck with nut RH	ER 32	50	100	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AA15	collet chuck with nut RH	ER 32	50	100	HSK 80 A	24.000
AA15	collet chuck with nut RH	ER 32	50	100	HSK 100 A	18.000
AA16	collet chuck with nut RH	ER 32	50	120	HSK 125 A	18.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 63 A-E-F	24.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 80 A	24.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 100 A	18.000
AA18	collet chuck with nut RH	ER 40	63	76,5	HSK 50 A-E	24.000
AA18	collet chuck with nut RH	ER 40	63	76,5	HSK 63 A-E-F	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 63 A-E-F	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 80 A	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 100 A	18.000
AA20	collet chuck with nut RH	ER 40	63	120	HSK 125 A	18.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 63 A-E-F	24.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 80 A	24.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 100 A	18.000
AA22	collet chuck with nut RH	ER 50	78	130	HSK 125 A	18.000

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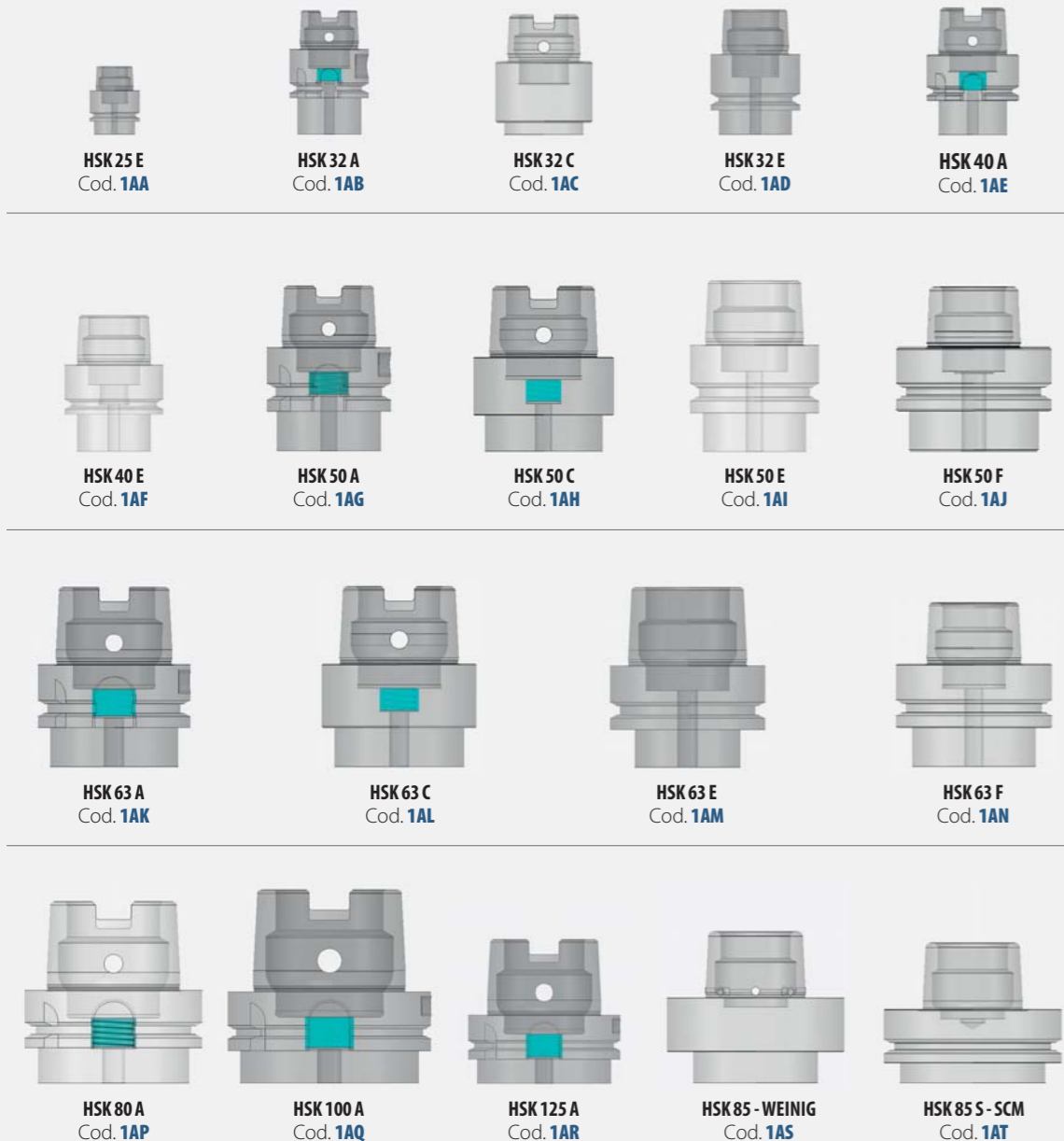
\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

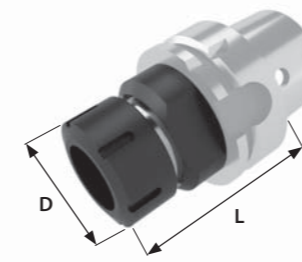
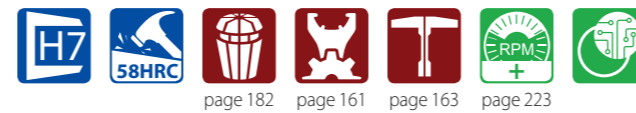


\*See page 69 for the complete list of DIN manufacturing rules.

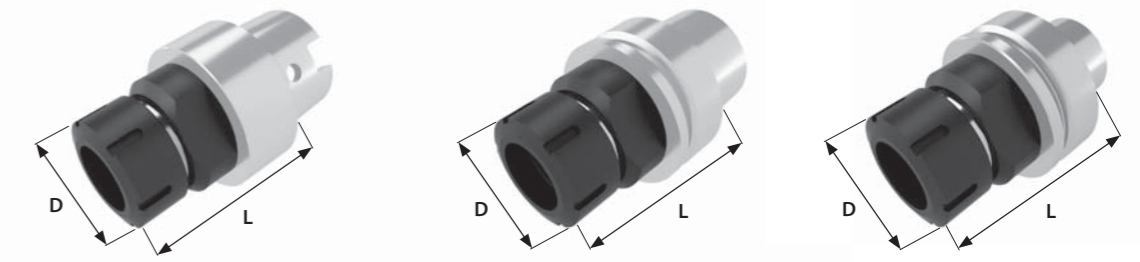


## Collet chucks LH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB03	collet chuck with mini nut LH	ER 16	22	40	HSK 25 E	70.000
AB04	collet chuck with mini nut LH	ER 16	22	50	HSK 32 A-C-E	50.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 40 E	24.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 63 A-E-F	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 40 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 50 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 63 E-F	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 32 A-C-E	50.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 40 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 50 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 63 A-E-F	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 50 E	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 63 A-E-F	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 32 A-C-E	50.000
AB10	collet chuck with mini nut LH	ER 25	35	60	HSK 40 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 50 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 63 A-E-F	24.000
AB11	collet chuck with nut LH	ER 25	42	60	HSK 40 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 50 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 63 A-E-F	24.000
AB13	collet chuck with nut LH	ER 32	50	60	HSK 40 A-E	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 50 A-E-F	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 63 A-E-F	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB15	collet chuck with nut LH	ER 32	50	100	HSK 80 A	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 100 A	18.000
AB16	collet chuck with nut LH	ER 32	50	120	HSK 125 A	18.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 63 A-E-F	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 80 A	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 100 A	18.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 50 A-E	24.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 80 A	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 100 A	18.000
AB20	collet chuck with nut LH	ER 40	63	120	HSK 125 A	18.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 63 A-E-F	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 80 A	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 100 A	18.000
AB22	collet chuck with nut LH	ER 50	78	130	HSK 125 A	18.000

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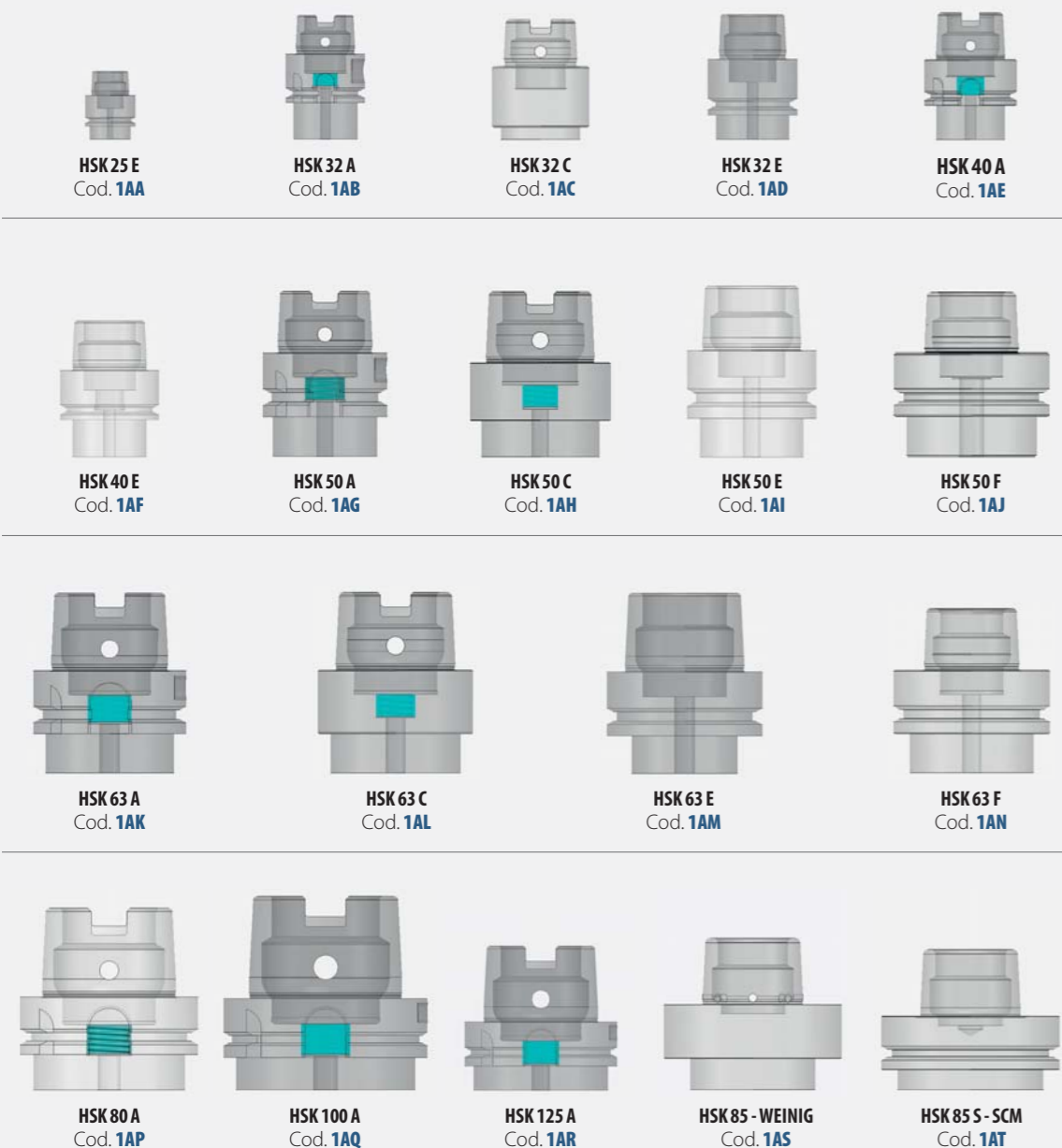
\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

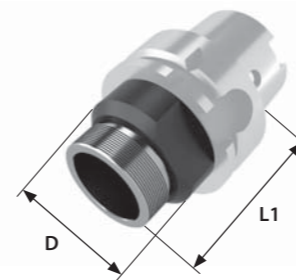
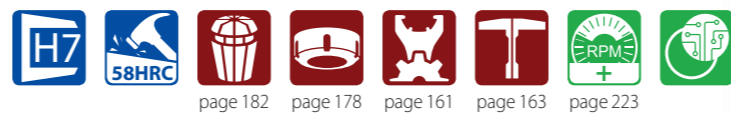


\*See page 69 for the complete list of DIN manufacturing rules.

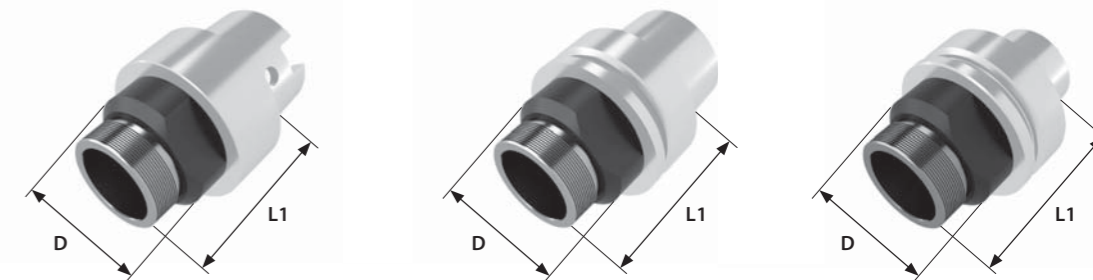


## Collet chucks RH without collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AC03	collet chuck without mini nut RH	ER 16	22	30	HSK 25 E	70.000
AC04	collet chuck without mini nut RH	ER 16	22	40	HSK 32 A-C-E	50.000
AC05	collet chuck without mini nut RH	ER 16	22	50	HSK 40 E	24.000
AC05	collet chuck without mini nut RH	ER 16	22	50	HSK 63 A-E-F	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 40 E	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 50 E	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 63 E-F	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 32 A-C-E	50.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 40 A-E	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 50 A-E	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 63 A-E-F	24.000
AC08	collet chuck without nut RH	ER 20	34	49	HSK 50 E	24.000
AC08	collet chuck without nut RH	ER 20	34	49	HSK 63 A-E-F	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 32 A-C-E	50.000
AC10	collet chuck without mini nut RH	ER 25	35	48,5	HSK 40 A-E	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 50 A-E	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 63 A-E-F	24.000
AC11	collet chuck without nut RH	ER 25	42	48,5	HSK 40 A-E	24.000
AC12	collet chuck without nut RH	ER 25	42	61	HSK 50 A-E	24.000
AC12	collet chuck without nut RH	ER 25	42	61	HSK 63 A-E-F	24.000
AC13	collet chuck without nut RH	ER 32	50	47,5	HSK 40 A-E	24.000
AC14	collet chuck without nut RH	ER 32	50	60	HSK 50 A-E-F	24.000
AC14	collet chuck without nut RH	ER 32	50	60	HSK 63 A-E-F	24.000
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 80 A	24.000
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 100 A	18.000
AC16	collet chuck without nut RH	ER 32	50	107,5	HSK 125 A	18.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 63 A-E-F	24.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 80 A	24.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 100 A	18.000
AC18	collet chuck without nut RH	ER 40	50	62	HSK 50 A-E	24.000
AC18	collet chuck without nut RH	ER 40	50	62	HSK 63 A-E-F	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 63 A-E-F	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 80 A	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 100 A	18.000
AC20	collet chuck without nut RH	ER 40	50	107,5	HSK 125 A	18.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 63 A-E-F	24.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 80 A	24.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 100 A	18.000
AC22	collet chuck without nut RH	ER 50	68	109	HSK 125 A	18.000

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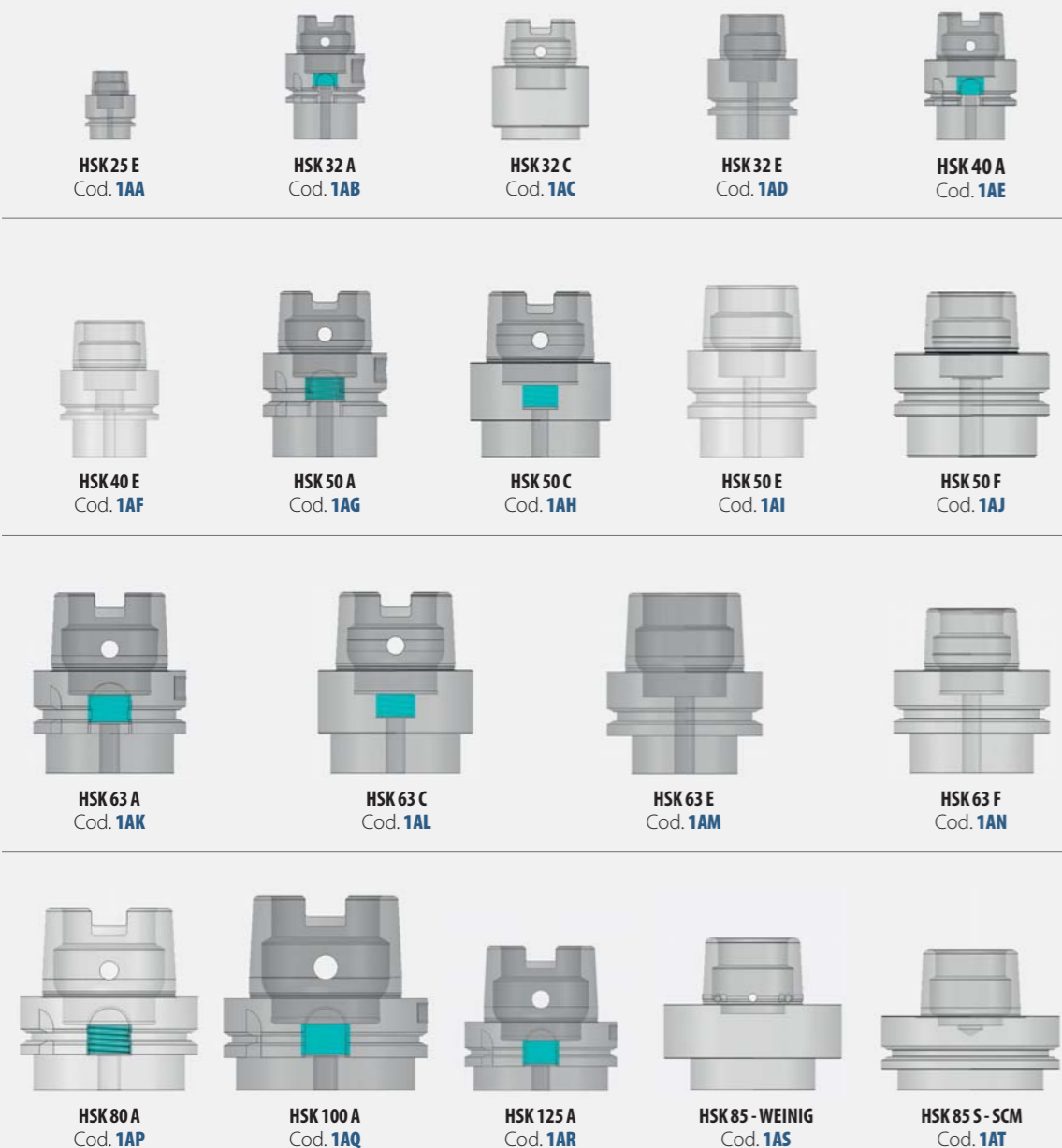
\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

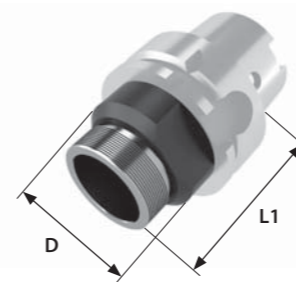
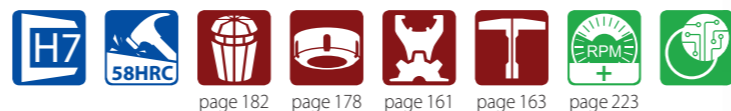


\*See page 69 for the complete list of DIN manufacturing rules.

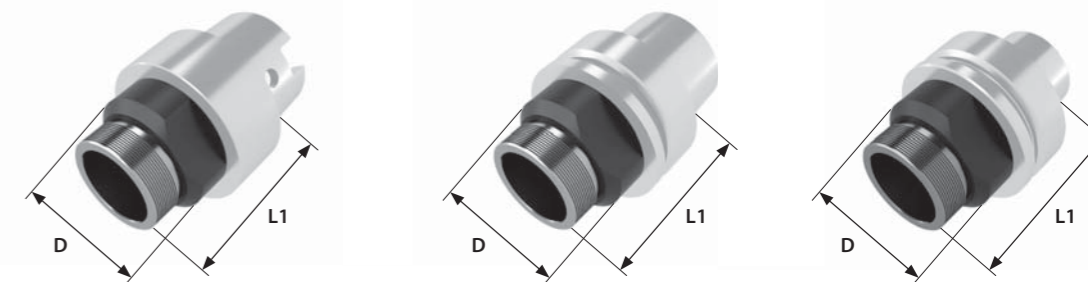


## Collet chucks LH without collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AD03	collet chuck without mini nut LH	ER 16	22	30	HSK 25 E	70.000
AD04	collet chuck without mini nut LH	ER 16	22	40	HSK 32 A-C-E	50.000
AD05	collet chuck without mini nut LH	ER 16	22	50	HSK 40 E	24.000
AD05	collet chuck without mini nut LH	ER 16	22	50	HSK 63 A-E-F	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 40 E	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 50 E	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 63 E-F	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 32 A-C-E	50.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 40 A-E	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 50 A-E	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 63 A-E-F	24.000
AD08	collet chuck without nut LH	ER 20	34	49	HSK 50 E	24.000
AD08	collet chuck without nut LH	ER 20	34	49	HSK 63 A-E-F	24.000
AD09	collet chuck without mini nut LH	ER 25	35	48,5	HSK 40 A-E	24.000
AD10	collet chuck without mini nut LH	ER 25	35	61	HSK 32 A-C-E	50.000
AD09	collet chuck without mini nut LH	ER 25	35	61	HSK 50 A-E	24.000
AD09	collet chuck for nut LH	ER 25	35	61	HSK 63 A-E-F	24.000
AD11	collet chuck without nut LH	ER 25	42	48,5	HSK 40 A-E	24.000
AD12	collet chuck without nut LH	ER 25	42	61	HSK 50 A-E	24.000
AD12	collet chuck without nut LH	ER 25	42	61	HSK 63 A-E-F	24.000
AD13	collet chuck without nut LH	ER 32	50	47,5	HSK 40 A-E	24.000
AD14	collet chuck without nut LH	ER 32	50	60	HSK 50 A-E-F	24.000
AD14	collet chuck without nut LH	ER 32	50	60	HSK 63 A-E-F	24.000
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 80 A	24.000
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 100 A	18.000
AD16	collet chuck without nut LH	ER 32	50	107,5	HSK 125 A	18.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 63 A-E-F	24.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 80 A	24.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 100 A	18.000
AD18	collet chuck without nut LH	ER 40	50	62	HSK 50 A-E	24.000
AD18	collet chuck without nut LH	ER 40	50	62	HSK 63 A-E-F	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 63 A-E-F	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 80 A	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 100 A	18.000
AD20	collet chuck without nut LH	ER 40	50	107,5	HSK 125 A	18.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 63 A-E-F	24.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 80 A	24.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 100 A	18.000
AD22	collet chuck without nut LH	ER 50	68	109	HSK 125 A	18.000

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\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA

HSK 32 A  
Cod. 1AB

HSK 32 C  
Cod. 1AC

HSK 32 E  
Cod. 1AD

HSK 40 A  
Cod. 1AE



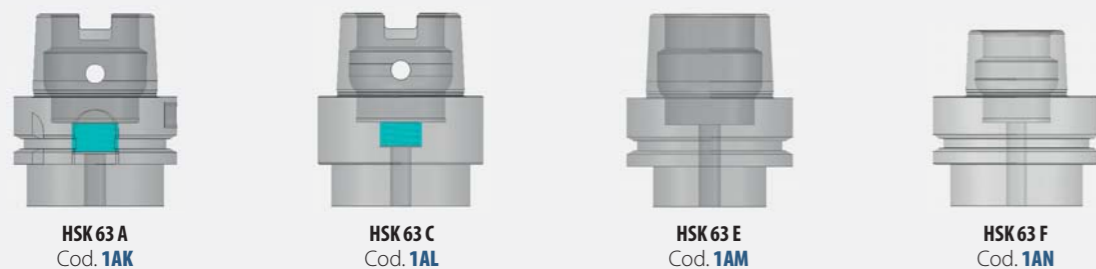
HSK 40 E  
Cod. 1AF

HSK 50 A  
Cod. 1AG

HSK 50 C  
Cod. 1AH

HSK 50 E  
Cod. 1AI

HSK 50 F  
Cod. 1AJ

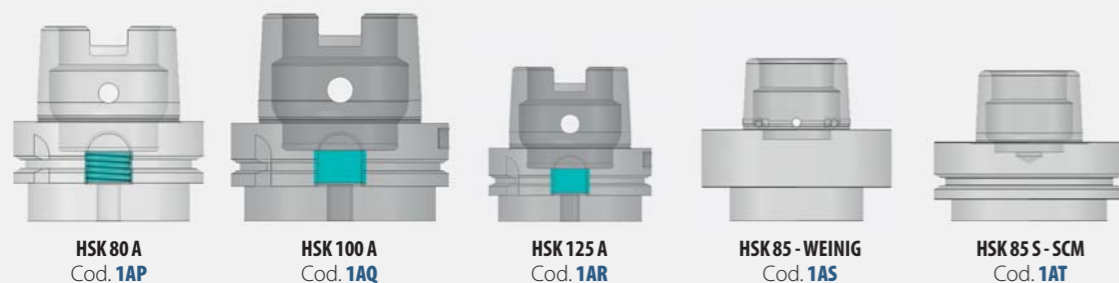


HSK 63 A  
Cod. 1AK

HSK 63 C  
Cod. 1AL

HSK 63 E  
Cod. 1AM

HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP

HSK 100 A  
Cod. 1AQ

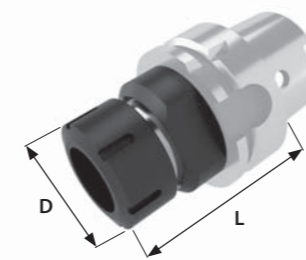
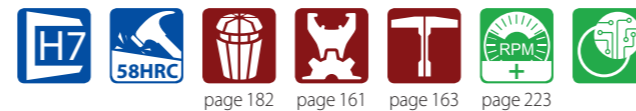
HSK 125 A  
Cod. 1AR

HSK 85 - WEINIG  
Cod. 1AS

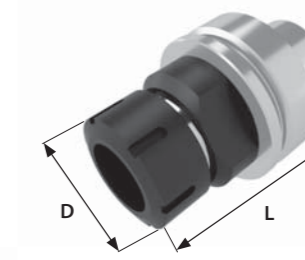
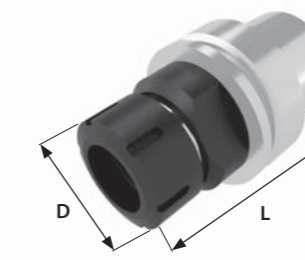
HSK 85 - SCM  
Cod. 1AT

## Collet chucks RH/LH with collet nut for collet EOC DIN 6388

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AE00	collet chuck with nut RH	EOC 10	30	50	HSK 40 A-E	24.000
AE01	collet chuck with nut RH	EOC 12	35	50	HSK 50 A-E-F	24.000
AE02	collet chuck with nut RH	EOC 16	43	50	HSK 50 A-E-F	24.000
AE02	collet chuck with nut RH	EOC 16	43	50	HSK 63 A-E-F	24.000
AE03	collet chuck with nut RH	EOC 20	50	60	HSK 50 A-E-F	24.000
AE03	collet chuck with nut RH	EOC 20	50	60	HSK 63 A-E-F	24.000
AE04	collet chuck with nut RH	EOC 25	60	76,5	HSK 63 A-E-F	24.000
AE05	collet chuck with nut RH	EOC 25	60	115	HSK 63 A-E-F	24.000
AE06	collet chuck with nut RH	EOC 32	72	80	HSK 63 E-F	24.000
AE07	collet chuck with nut RH	EOC 40	85	100	HSK 63 E-F	24.000



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AF00	collet chuck with nut LH	EOC 10	30	50	HSK 40 A-E	24.000
AF01	collet chuck with nut LH	EOC 12	35	50	HSK 50 A-E-F	24.000
AF02	collet chuck with nut LH	EOC 16	43	50	HSK 50 A-E-F	24.000
AF02	collet chuck with nut LH	EOC 16	43	50	HSK 63 A-E-F	24.000
AF03	collet chuck with nut LH	EOC 20	50	60	HSK 50 A-E-F	24.000
AF03	collet chuck with nut LH	EOC 20	50	60	HSK 63 A-E-F	24.000
AF04	collet chuck with nut LH	EOC 25	60	76,5	HSK 63 A-E-F	24.000
AF05	collet chuck with nut LH	EOC 25	60	115	HSK 63 A-E-F	24.000
AF06	collet chuck with nut LH	EOC 32	72	80	HSK 63 E-F	24.000
AF07	collet chuck with nut LH	EOC 40	85	100	HSK 63 E-F	24.000

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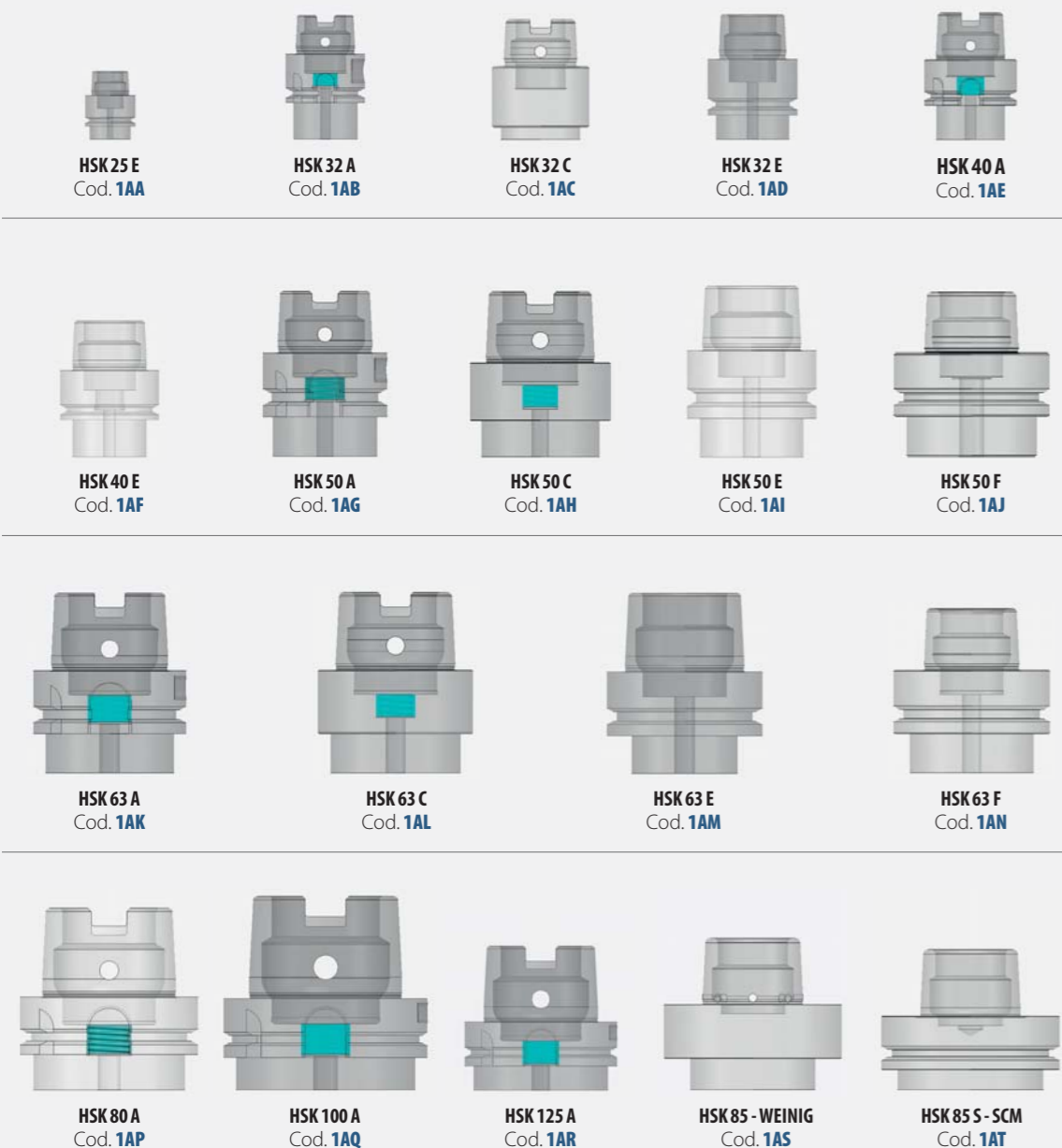
\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

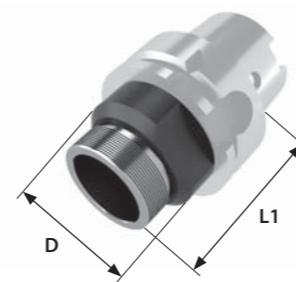
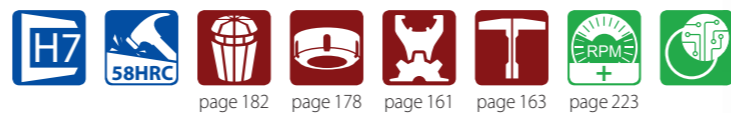


\*See page 69 for the complete list of DIN manufacturing rules.

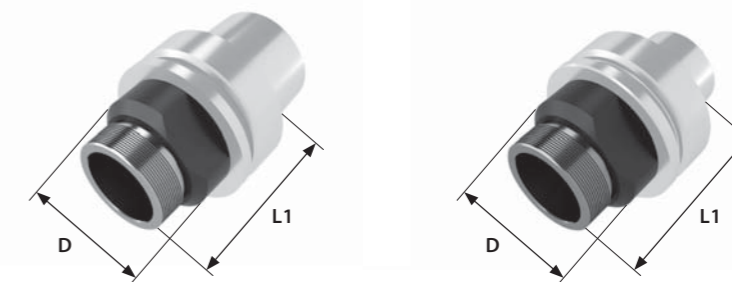


## Collet chucks RH/LH without collet nut for collet EOC DIN 6388

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
<b>AG00</b>	collet chuck without nut RH	EOC 10	30	41	<b>HSK 40 A-E</b>	24.000
<b>AG01</b>	collet chuck without nut RH	EOC 12	35	40,5	<b>HSK 50 A-E-F</b>	24.000
<b>AG02</b>	collet chuck without nut RH	EOC 16	43	39	<b>HSK 50 A-E-F</b>	24.000
<b>AG02</b>	collet chuck without nut RH	EOC 16	43	39	<b>HSK 63 A-E-F</b>	24.000
<b>AG03</b>	collet chuck without nut RH	EOC 20	50	48	<b>HSK 50 A-E-F</b>	24.000
<b>AG03</b>	collet chuck without nut RH	EOC 20	50	48	<b>HSK 63 A-E-F</b>	24.000
<b>AG04</b>	collet chuck without nut RH	EOC 25	60	64,5	<b>HSK 63 A-E-F</b>	24.000
<b>AG05</b>	collet chuck without nut RH	EOC 25	60	103,5	<b>HSK 63 A-E-F</b>	24.000
<b>AG06</b>	collet chuck without nut RH	EOC 32	72	67	<b>HSK 63 E-F</b>	24.000
<b>AG07</b>	collet chuck without nut RH	EOC 40	85	86	<b>HSK 63 E-F</b>	24.000



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
<b>AH00</b>	collet chuck without nut LH	EOC 10	30	41	<b>HSK 40 A-E</b>	24.000
<b>AH01</b>	collet chuck without nut LH	EOC 12	35	40,5	<b>HSK 50 A-E-F</b>	24.000
<b>AH02</b>	collet chuck without nut LH	EOC 16	43	39	<b>HSK 50 A-E-F</b>	24.000
<b>AH02</b>	collet chuck without nut LH	EOC 16	43	39	<b>HSK 63 A-E-F</b>	24.000
<b>AH03</b>	collet chuck without nut LH	EOC 20	50	48	<b>HSK 50 A-E-F</b>	24.000
<b>AH03</b>	collet chuck without nut LH	EOC 20	50	48	<b>HSK 63 A-E-F</b>	24.000
<b>AH04</b>	collet chuck without nut LH	EOC 25	60	64,5	<b>HSK 63 A-E-F</b>	24.000
<b>AH05</b>	collet chuck without nut LH	EOC 25	60	103,5	<b>HSK 63 A-E-F</b>	24.000
<b>AH06</b>	collet chuck without nut LH	EOC 32	72	67	<b>HSK 63 E-F</b>	24.000
<b>AH07</b>	collet chuck without nut LH	EOC 40	85	86	<b>HSK 63 E-F</b>	24.000

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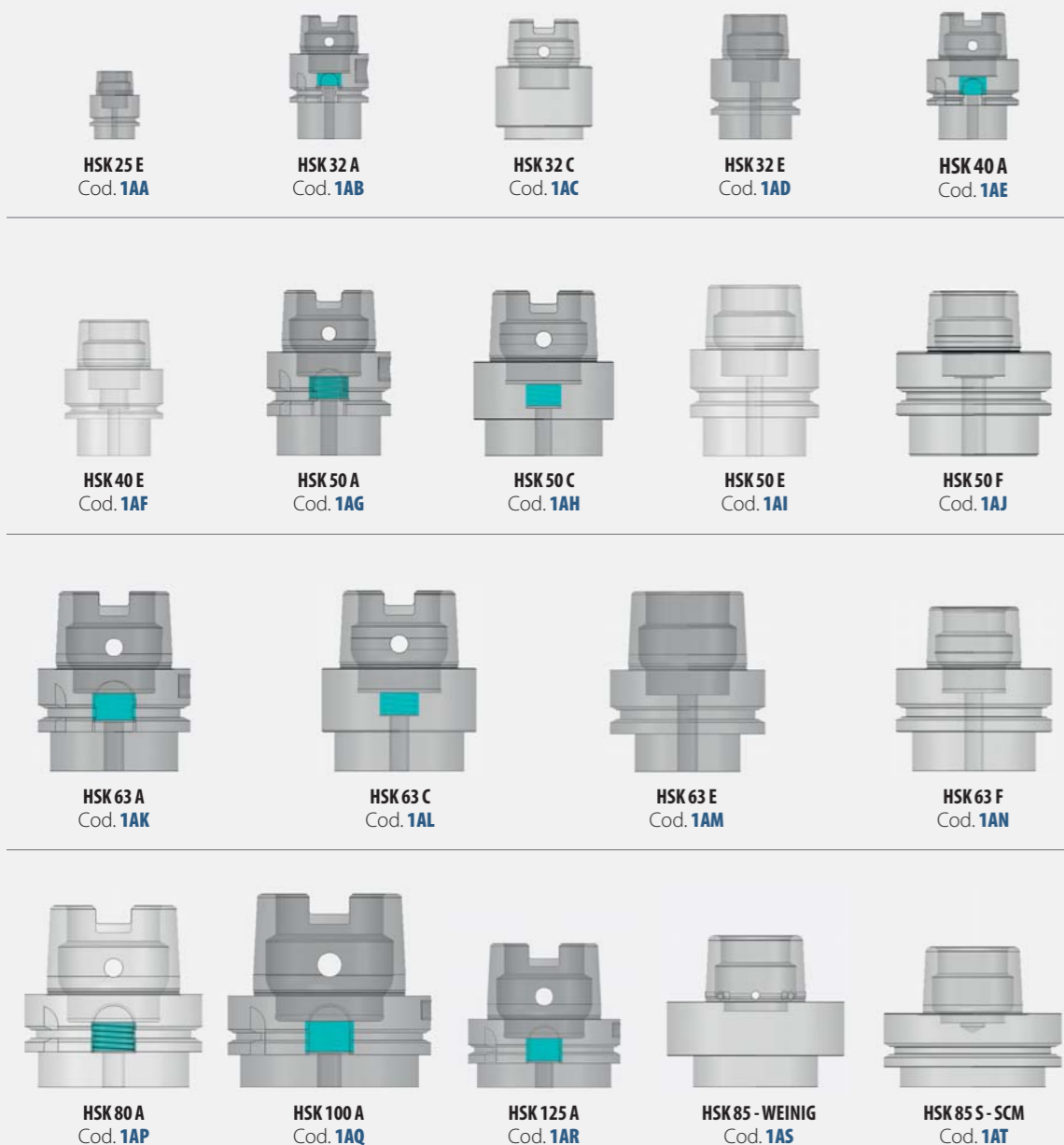
\*By choosing optional materials, the specific hardness may vary.

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

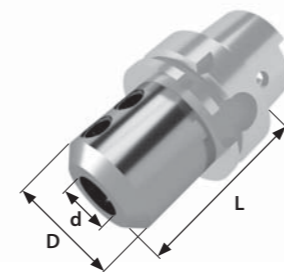


\*See page 69 for the complete list of DIN manufacturing rules.

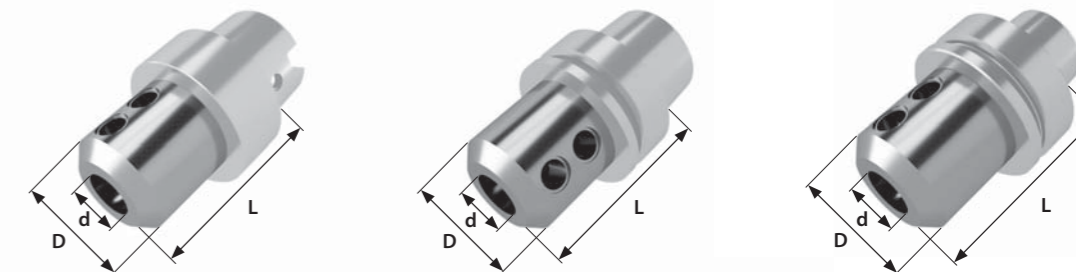


## End mill holders DIN 1835/B

End Mill Holders are affordable, quick to install, and easy to use. An optimal choice for quality and price for lower speed operations.



Part code	Description	D	d	L	Connection	Balancing (RPM)
AJ00	end mill holder	22	6	50	HSK 32 A	50.000
AJ01	end mill holder	22	6	70	HSK 40 A-E	24.000
AJ01	end mill holder	22	6	70	HSK 50 A-E-F	24.000
AJ01	end mill holder	22	6	70	HSK 63 A-E-F	24.000
AJ01	end mill holder	22	6	70	HSK 80 A	24.000
AJ01	end mill holder	22	6	70	HSK 100 A	18.000
AJ02	end mill holder	28	8	70	HSK 40 A-E	24.000
AJ02	end mill holder	28	8	70	HSK 50 A-E-F	24.000
AJ02	end mill holder	28	8	70	HSK 63 A-E-F	24.000
AJ02	end mill holder	28	8	70	HSK 80 A	24.000
AJ02	end mill holder	28	8	70	HSK 100 A	18.000
AJ03	end mill holder	35	10	70	HSK 40 A-E	24.000
AJ03	end mill holder	35	10	70	HSK 50 A-E-F	24.000
AJ03	end mill holder	35	10	70	HSK 63 A-E-F	24.000
AJ03	end mill holder	35	10	70	HSK 80 A	24.000
AJ03	end mill holder	35	10	70	HSK 100 A	18.000
AJ04	end mill holder	42	12	70	HSK 50 A-E	24.000
AJ04	end mill holder	42	12	70	HSK 63 A-E-F	24.000
AJ04	end mill holder	42	12	70	HSK 80 A	24.000
AJ04	end mill holder	42	12	70	HSK 100 A	18.000
AJ05	end mill holder	44	14	70	HSK 50 A-E	24.000
AJ05	end mill holder	44	14	70	HSK 63 A-E-F	24.000
AJ05	end mill holder	44	14	70	HSK 80 A	24.000
AJ05	end mill holder	44	14	70	HSK 100 A	18.000
AJ06	end mill holder	48	16	70	HSK 50 A-E	24.000
AJ06	end mill holder	48	16	70	HSK 63 A-E-F	24.000
AJ07	end mill holder	48	16	80	HSK 80 A	24.000
AJ07	end mill holder	48	16	80	HSK 100 A	18.000



Part code	Description	D	d	L	Connection	Balancing (RPM)
AJ08	end mill holder	50	18	70	HSK 50 A-E	24.000
AJ08	end mill holder	50	18	70	HSK 63 A-E-F	24.000
AJ09	end mill holder	50	18	80	HSK 80 A	24.000
AJ09	end mill holder	50	18	80	HSK 100 A	18.000
AJ10	end mill holder	52	20	70	HSK 50 A-E-F	24.000
AJ10	end mill holder	52	20	70	HSK 63 A-E-F	24.000
AJ11	end mill holder	52	20	80	HSK 80 A	24.000
AJ11	end mill holder	52	20	80	HSK 100 A	18.000
AJ12	end mill holder	65	25	110	HSK 63 A-E-F	24.000
AJ12	end mill holder	65	25	110	HSK 80 A	24.000
AJ12	end mill holder	65	25	110	HSK 100 A	18.000
AJ13	end mill holder	72	32	110	HSK 63 A-E-F	24.000
AJ14	end mill holder	72	32	120	HSK 80 A	24.000
AJ14	end mill holder	72	32	120	HSK 100 A	18.000
AJ15	end mill holder	80	40	120	HSK 63 A-E-F	24.000
AJ15	end mill holder	80	40	120	HSK 80 A	24.000
AJ15	end mill holder	80	40	120	HSK 100 A	18.000
AJ15	end mill holder	80	40	120	HSK 125 A	18.000
AJ16	end mill holder	97	50	140	HSK 80 A	24.000
AJ16	end mill holder	97	50	140	HSK 100 A	18.000
AJ16	end mill holder	97	50	140	HSK 125 A	18.000

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## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



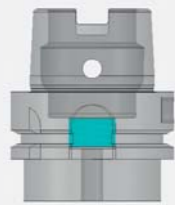
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



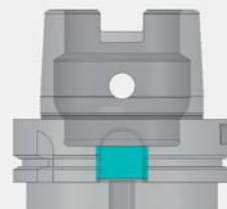
HSK 63 E  
Cod. 1AM



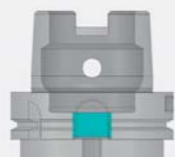
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



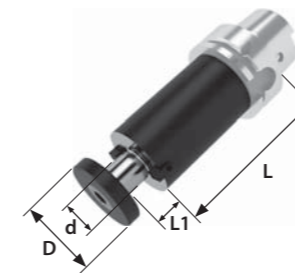
HSK 85 - WEINIG  
Cod. 1AS



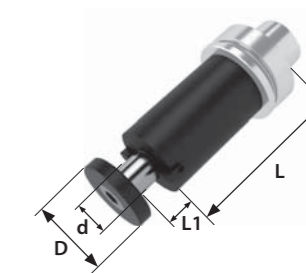
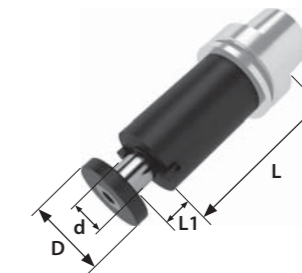
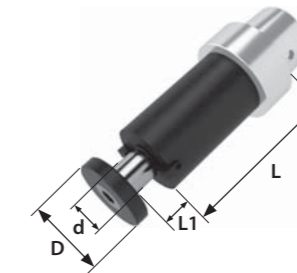
HSK 85 - SCM  
Cod. 1AT

## Face Mill holders DIN 6357

Traditional locking system for metalworking mills, the tool is held in place with spacer rings, closing washer and screw.

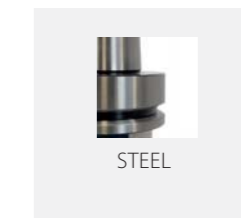


Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
AK00	face mill holder	39	16	17	50	HSK 32 A	50.000
AK00	face mill holder	39	16	17	50	HSK 40 A-E	24.000
AK00	face mill holder	39	16	17	50	HSK 50 A-E-F	24.000
AK00	face mill holder	39	16	17	50	HSK 63 A-E-F	24.000
AK01	face mill holder	48	22	19	50	HSK 40 A-E	24.000
AK01	face mill holder	48	22	19	50	HSK 50 A-E-F	24.000
AK02	face mill holder	48	22	19	70	HSK 63 A-E-F	24.000
AK03	face mill holder	48	22	19	100	HSK 80 A	18.000
AK03	face mill holder	48	22	19	100	HSK 100 A	18.000
AK04	face mill holder	55	27	21	70	HSK 50 A-E-F	24.000
AK04	face mill holder	55	27	21	70	HSK 63 A-E-F	18.000
AK05	face mill holder	55	27	21	100	HSK 80 A	18.000
AK06	face mill holder	55	27	21	100	HSK 100 A	18.000



Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
AK07	face mill holder	63	32	24	70	HSK 63 A-E-F	24.000
AK08	face mill holder	63	32	24	100	HSK 80 A	24.000
AK08	face mill holder	63	32	24	100	HSK 100 A	18.000
AK08	face mill holder	63	32	24	100	HSK 125 A	18.000
AK09	face mill holder	78	40	27	70	HSK 63 A	24.000
AK10	face mill holder	78	40	27	100	HSK 80 A	24.000
AK10	face mill holder	78	40	27	100	HSK 100 A	18.000
AK10	face mill holder	78	40	27	100	HSK 125 A	18.000

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## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



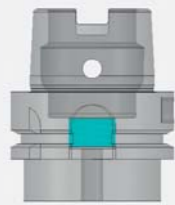
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



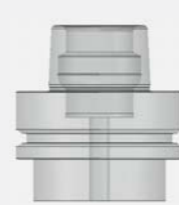
HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



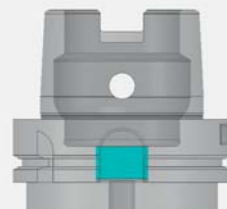
HSK 63 E  
Cod. 1AM



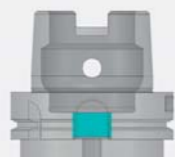
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AQ



HSK 100 A  
Cod. 1AR



HSK 125 A  
Cod. 1AS



HSK 85 - WEINIG  
Cod. 1AT



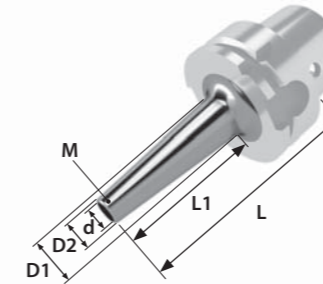
HSK 85 - SCM  
Cod. 1AT

## Modular tool holders

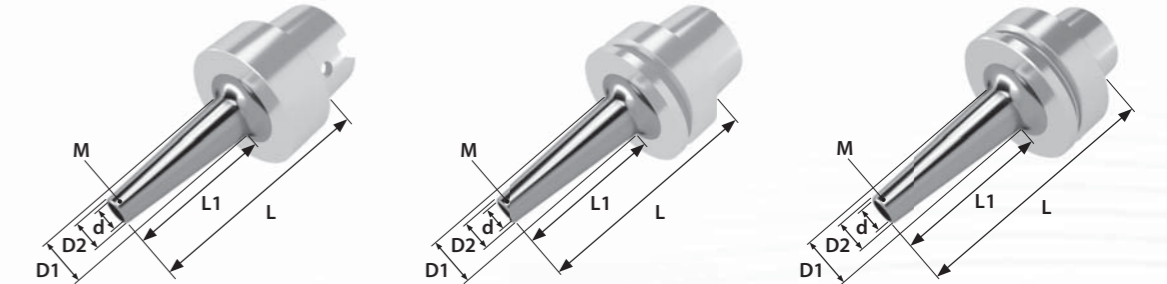
The modular tool holders are used in assembly with sharpening mills and drills with a threaded connection.



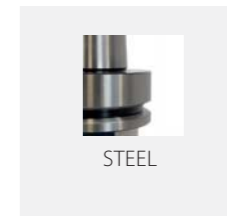
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Part code	Description	d	M	L	L1	D1	D2	Connection	Balancing (RPM)
AL00	modular tool holder	8,5	M8	70	50	23	13	HSK 40 A-E	24.000
AL00	modular tool holder	8,5	M8	76	50	23	13	HSK 50 A-E-F	24.000
AL01	modular tool holder	8,5	M8	126	100	26	13	HSK 63 A-E-F	24.000
AL02	modular tool holder	10,5	M10	76	50	23	18	HSK 50 A-E-F	24.000
AL03	modular tool holder	10,5	M10	126	100	32	18	HSK 63 A-E-F	24.000
AL04	modular tool holder	10,5	M10	159	133	34	18	HSK 63 A-E-F	24.000
AL05	modular tool holder	12,5	M12	76	50	24	21	HSK 63 A-E-F	24.000
AL06	modular tool holder	12,5	M12	126	100	31	21	HSK 80 A	18.000
AL07	modular tool holder	12,5	M12	194	155	39	21	HSK 100 A	18.000
AL08	modular tool holder	17	M16	76	50	34	29	HSK 63 A-E-F	24.000
AL09	modular tool holder	17	M16	126	100	36	29	HSK 80 A	18.000
AL10	modular tool holder	17	M16	194	155	39	29	HSK 100 A	18.000
AL10	modular tool holder	17	M16	194	155	39	29	HSK 125 A	18.000



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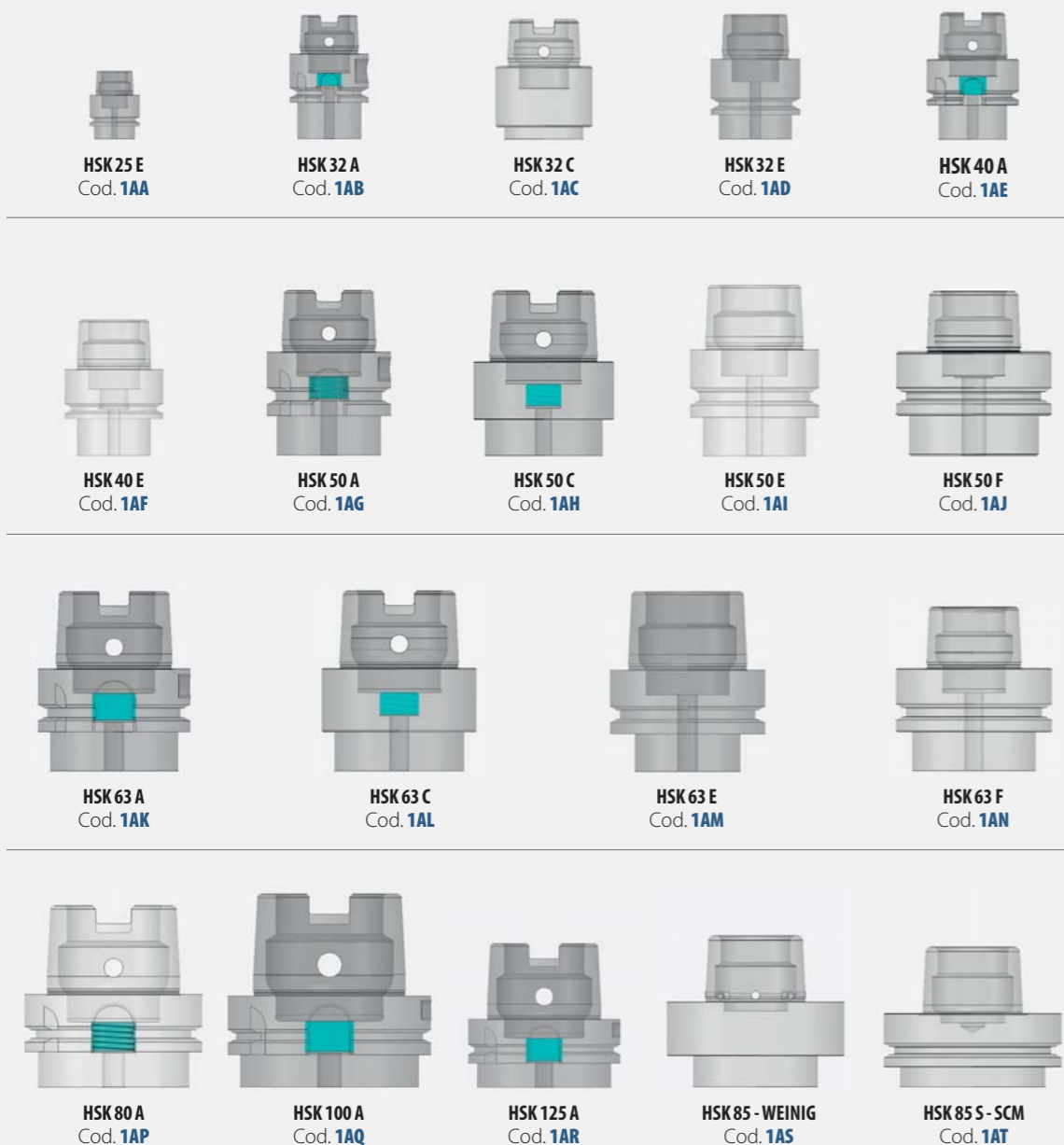


## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

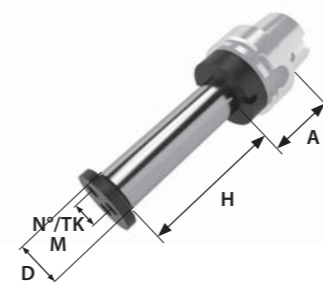


\*See page 69 for the complete list of DIN manufacturing rules.

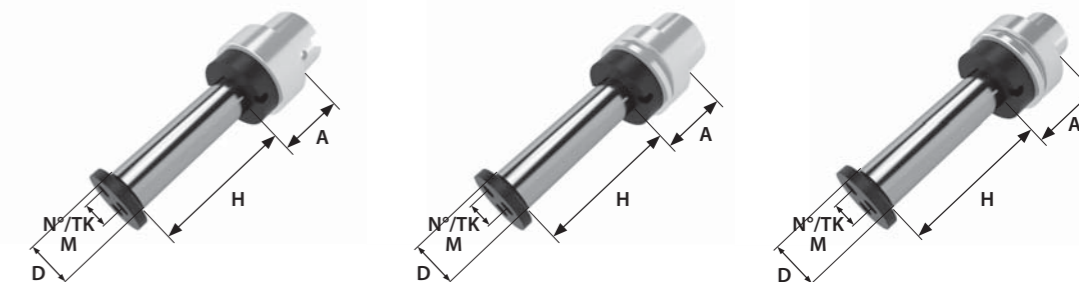


## Milling arbors

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws.

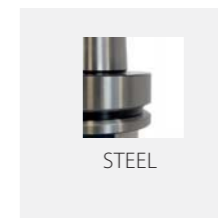


A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A000	A200	milling arbor	20	70	M5	3/12	HSK 50 E-F	24.000
A001	A201	milling arbor	20	75	M5	3/12	HSK 50 E-F	24.000
A002	A202	milling arbor	20	80	M5	3/12	HSK 50 E-F	24.000
A003	A203	milling arbor	20	85	M5	3/12	HSK 50 E-F	24.000
A004	A204	milling arbor	20	90	M5	3/12	HSK 50 E-F	24.000
A005	A205	milling arbor	20	95	M5	3/12	HSK 50 E-F	24.000
A006	A206	milling arbor	20	100	M5	3/12	HSK 50 E-F	24.000
A007	A207	milling arbor	20	105	M5	3/12	HSK 50 E-F	24.000
A008	A208	milling arbor	20	110	M5	3/12	HSK 50 E-F	24.000
A009	A209	milling arbor	20	115	M5	3/12	HSK 50 E-F	24.000
A010	A210	milling arbor	20	120	M5	3/12	HSK 50 E-F	24.000
A011	A211	milling arbor	20	125	M5	3/12	HSK 50 E-F	24.000
A012	A212	milling arbor	20	130	M5	3/12	HSK 50 E-F	24.000
A013	A213	milling arbor	20	135	M5	3/12	HSK 50 E-F	24.000
A014	A214	milling arbor	20	140	M5	3/12	HSK 50 E-F	24.000
A015	A215	milling arbor	20	145	M5	3/12	HSK 50 E-F	24.000
A016	A216	milling arbor	20	150	M5	3/12	HSK 50 E-F	24.000
A017	A217	milling arbor	20	70	M5	3/12	HSK 63 E-F	24.000
A018	A218	milling arbor	20	75	M5	3/12	HSK 63 E-F	24.000
A019	A219	milling arbor	20	80	M5	3/12	HSK 63 E-F	24.000
A020	A220	milling arbor	20	85	M5	3/12	HSK 63 E-F	24.000
A021	A221	milling arbor	20	90	M5	3/12	HSK 63 E-F	24.000
A022	A222	milling arbor	20	95	M5	3/12	HSK 63 E-F	24.000
A023	A223	milling arbor	20	100	M5	3/12	HSK 63 E-F	24.000
A024	A224	milling arbor	20	105	M5	3/12	HSK 63 E-F	24.000
A025	A225	milling arbor	20	110	M5	3/12	HSK 63 E-F	24.000
A026	A226	milling arbor	20	115	M5	3/12	HSK 63 E-F	24.000
A027	A227	milling arbor	20	120	M5	3/12	HSK 63 E-F	24.000
A028	A228	milling arbor	20	125	M5	3/12	HSK 63 E-F	24.000



A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A029	A229	milling arbor	20	130	M5	3/12	HSK 63 E-F	24.000
A030	A230	milling arbor	20	135	M5	3/12	HSK 63 E-F	24.000
A031	A231	milling arbor	20	140	M5	3/12	HSK 63 E-F	24.000
A032	A232	milling arbor	20	145	M5	3/12	HSK 63 E-F	24.000
A033	A233	milling arbor	20	150	M5	3/12	HSK 63 E-F	24.000
A034	A234	milling arbor	25	70	M6	3/16	HSK 63 E-F	24.000
A035	A235	milling arbor	25	75	M6	3/16	HSK 63 E-F	24.000
A036	A236	milling arbor	25	80	M6	3/16	HSK 63 E-F	24.000
A037	A237	milling arbor	25	85	M6	3/16	HSK 63 E-F	24.000
A038	A238	milling arbor	25	90	M6	3/16	HSK 63 E-F	24.000
A039	A239	milling arbor	25	95	M6	3/16	HSK 63 E-F	24.000
A040	A240	milling arbor	25	100	M6	3/16	HSK 63 E-F	24.000
A041	A241	milling arbor	25	105	M6	3/16	HSK 63 E-F	24.000
A042	A242	milling arbor	25	110	M6	3/16	HSK 63 E-F	24.000
A043	A243	milling arbor	25	115	M6	3/16	HSK 63 E-F	24.000
A044	A244	milling arbor	25	120	M6	3/16	HSK 63 E-F	24.000
A045	A245	milling arbor	25	125	M6	3/16	HSK 63 E-F	24.000
A046	A246	milling arbor	25	130	M6	3/16	HSK 63 E-F	24.000
A047	A247	milling arbor	25	135	M6	3/16	HSK 63 E-F	24.000
A048	A248	milling arbor	25	140	M6	3/16	HSK 63 E-F	24.000
A049	A249	milling arbor	25	145	M6	3/16	HSK 63 E-F	24.000
A050	A250	milling arbor	25	150	M6	3/16	HSK 63 E-F	24.000

MANUFACTURING MATERIAL

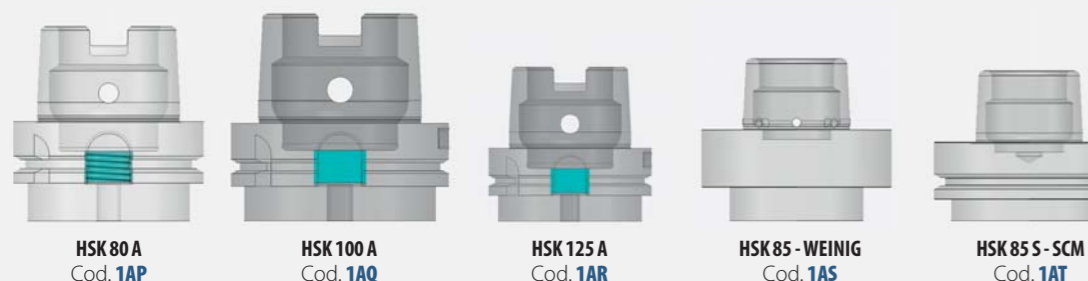
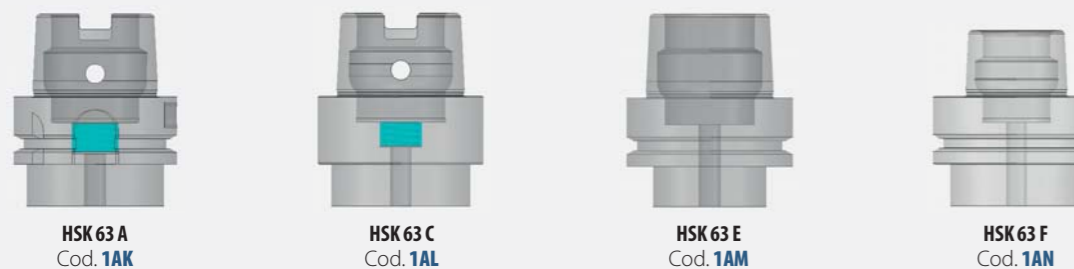


## Part codes for available HSK CONNECTIONS\*

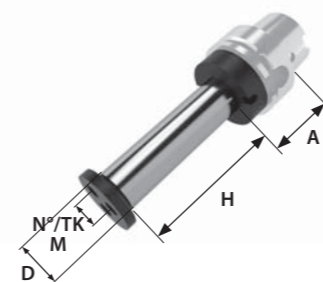
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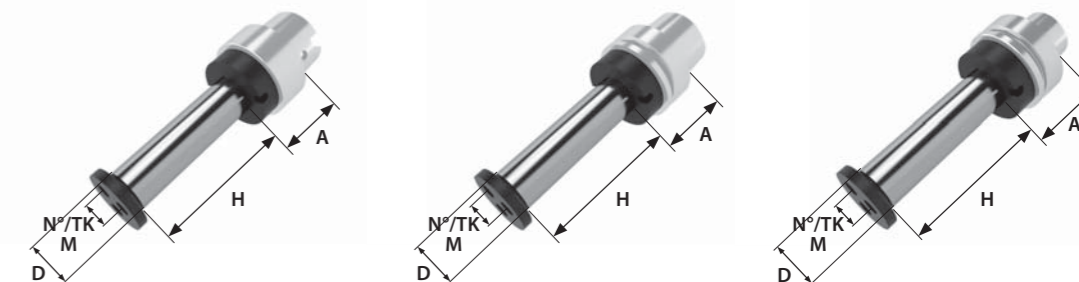
\*See page 69 for the complete list of DIN manufacturing rules.



## Milling arbors



A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A051	A251	milling arbor	30	70	M6	3 x 20	HSK 63 E-F	24.000
A052	A252	milling arbor	30	75	M6	3 x 20	HSK 63 E-F	24.000
A053	A253	milling arbor	30	80	M6	3 x 20	HSK 63 E-F	24.000
A054	A254	milling arbor	30	85	M6	3 x 20	HSK 63 E-F	24.000
A055	A255	milling arbor	30	90	M6	3 x 20	HSK 63 E-F	24.000
A056	A256	milling arbor	30	95	M6	3 x 20	HSK 63 E-F	24.000
A057	A257	milling arbor	30	100	M6	3 x 20	HSK 63 E-F	24.000
A058	A258	milling arbor	30	105	M6	3 x 20	HSK 63 E-F	24.000
A059	A259	milling arbor	30	110	M6	3 x 20	HSK 63 E-F	24.000
A060	A260	milling arbor	30	115	M6	3 x 20	HSK 63 E-F	24.000
A061	A261	milling arbor	30	120	M6	3 x 20	HSK 63 E-F	24.000
A062	A262	milling arbor	30	125	M6	3 x 20	HSK 63 E-F	24.000
A063	A263	milling arbor	30	130	M6	3 x 20	HSK 63 E-F	24.000
A064	A264	milling arbor	30	135	M6	3 x 20	HSK 63 E-F	24.000
A065	A265	milling arbor	30	140	M6	3 x 20	HSK 63 E-F	24.000
A066	A266	milling arbor	30	145	M6	3 x 20	HSK 63 E-F	24.000
A067	A267	milling arbor	30	150	M6	3 x 20	HSK 63 E-F	24.000
A068	A268	milling arbor	30	160	M6	3 x 20	HSK 63 E-F	24.000
A069	A269	milling arbor	30	170	M6	3 x 20	HSK 63 E-F	24.000
A070	A270	milling arbor	30	180	M6	3 x 20	HSK 63 E-F	24.000
A071	A271	milling arbor	30	190	M6	3 x 20	HSK 63 E-F	24.000
A072	A272	milling arbor	30	200	M6	3 x 20	HSK 63 E-F	24.000
A073	A273	milling arbor	30	210	M6	3 x 20	HSK 63 E-F	24.000
A074	A274	milling arbor	30	220	M6	3 x 20	HSK 63 E-F	24.000
A075	A275	milling arbor	30	230	M6	3 x 20	HSK 63 E-F	24.000
A076	A276	milling arbor	30	240	M6	3 x 20	HSK 63 E-F	24.000
A077	A277	milling arbor	35	250	M6	3 x 20	HSK 63 E-F	24.000
A078	A278	milling arbor	35	70	M6	3 x 25	HSK 63 E-F	24.000
A079	A279	milling arbor	35	75	M6	3 x 25	HSK 63 E-F	24.000
A080	A280	albero portafrese	35	80	M6	3 x 25	HSK 63 E-F	24.000
A081	A281	albero portafrese	35	85	M6	3 x 25	HSK 63 E-F	24.000
A082	A282	albero portafrese	35	90	M6	3 x 25	HSK 63 E-F	24.000
A083	A283	albero portafrese	35	95	M6	3 x 25	HSK 63 E-F	24.000



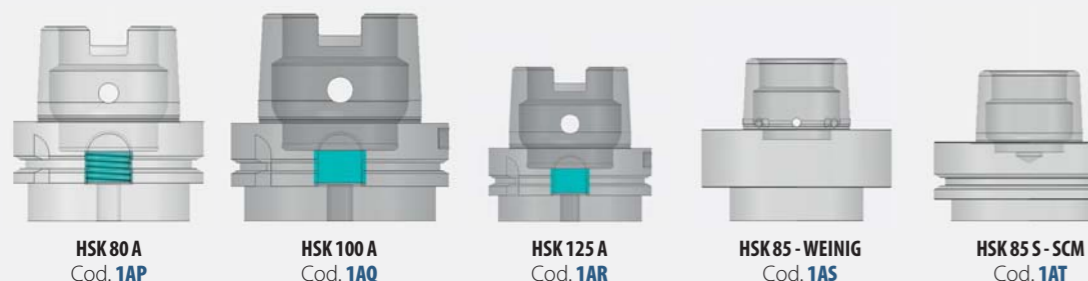
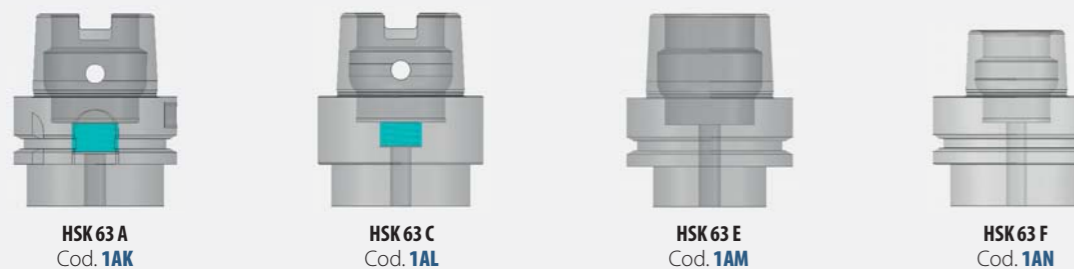
A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A084	A284	milling arbor	35	100	M6	3 x 25	HSK 63 E-F	24.000
A085	A285	milling arbor	35	105	M6	3 x 25	HSK 63 E-F	24.000
A086	A286	milling arbor	35	110	M6	3 x 25	HSK 63 E-F	24.000
A087	A287	milling arbor	35	115	M6	3 x 25	HSK 63 E-F	24.000
A088	A288	milling arbor	35	120	M6	3 x 25	HSK 63 E-F	24.000
A089	A289	milling arbor	35	125	M6	3 x 25	HSK 63 E-F	24.000
A090	A290	milling arbor	35	130	M6	3 x 25	HSK 63 E-F	24.000
A091	A291	milling arbor	35	135	M6	3 x 25	HSK 63 E-F	24.000
A092	A292	milling arbor	35	140	M6	3 x 25	HSK 63 E-F	24.000
A093	A293	milling arbor	35	145	M6	3 x 25	HSK 63 E-F	24.000
A094	A294	milling arbor	35	150	M6	3 x 25	HSK 63 E-F	24.000
A095	A295	milling arbor	35	160	M6	3 x 25	HSK 63 E-F	24.000
A096	A296	milling arbor	35	170	M6	3 x 25	HSK 63 E-F	24.000
A097	A297	milling arbor	35	180	M6	3 x 25	HSK 63 E-F	24.000
A098	A298	milling arbor	35	190	M6	3 x 25	HSK 63 E-F	24.000
A099	A299	milling arbor	35	200	M6	3 x 25	HSK 63 E-F	24.000
A100	A300	milling arbor	35	210	M6	3 x 25	HSK 63 E-F	24.000
A101	A301	milling arbor	35	220	M6	3 x 25	HSK 63 E-F	24.000
A102	A302	milling arbor	35	230	M6	3 x 25	HSK 63 E-F	24.000
A103	A303	milling arbor	35	240	M6	3 x 25	HSK 63 E-F	24.000
A104	A304	milling arbor	35	250	M6	3 x 25	HSK 63 E-F	24.000
A105	A305	milling arbor	40	70	M6	3 x 25	HSK 63 E-F	24.000
A106	A306	milling arbor	40	75	M6	3 x 25	HSK 63 E-F	24.000
A107	A307	milling arbor	40	80	M6	3 x 25	HSK 63 E-F	24.000
A108	A308	milling arbor	40	85	M6	3 x 25	HSK 63 E-F	24.000
A109	A309	milling arbor	40	90	M6	3 x 25	HSK 63 E-F	24.000
A110	A310	milling arbor	40	95	M6	3 x 25	HSK 63 E-F	24.000
A111	A311	milling arbor	40	100	M6	3 x 25	HSK 63 E-F	24.000
A112	A312	milling arbor	40	105	M6	3 x 25	HSK 63 E-F	24.000
A113	A313	albero portafrese	40	110	M6	3 x 25	HSK 63 E-F	24.000
A114	A314	albero portafrese	40	115	M6	3 x 25	HSK 63 E-F	24.000
A115	A315	albero portafrese	40	120	M6	3 x 25	HSK 63 E-F	24.000
A116	A316	albero portafrese	40	125	M6	3 x 25	HSK 63 E-F	24.000

## Part codes for available HSK CONNECTIONS\*

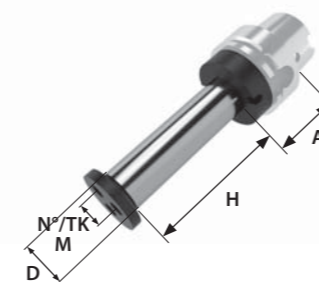
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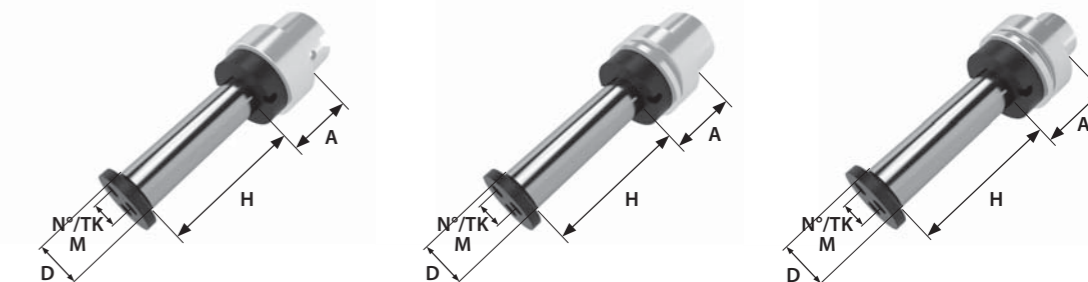
\*See page 69 for the complete list of DIN manufacturing rules.



## Milling arbors



A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A117	A317	milling arbor	40	130	M6	3 x 25	HSK 63 E-F	24.000
A118	A318	milling arbor	40	135	M6	3 x 25	HSK 63 E-F	24.000
A119	A319	milling arbor	40	140	M6	3 x 25	HSK 63 E-F	24.000
A120	A320	milling arbor	40	145	M6	3 x 25	HSK 63 E-F	24.000
A121	A321	milling arbor	40	150	M6	3 x 25	HSK 63 E-F	24.000
A122	A322	milling arbor	40	160	M6	3 x 25	HSK 63 E-F	24.000
A123	A323	milling arbor	40	170	M6	3 x 25	HSK 63 E-F	24.000
A124	A324	milling arbor	40	180	M6	3 x 25	HSK 63 E-F	24.000
A125	A325	milling arbor	40	190	M6	3 x 25	HSK 63 E-F	24.000
A126	A326	milling arbor	40	200	M6	3 x 25	HSK 63 E-F	24.000
A127	A327	milling arbor	40	210	M6	3 x 25	HSK 63 E-F	24.000
A128	A328	milling arbor	40	220	M6	3 x 25	HSK 63 E-F	24.000
A129	A329	milling arbor	40	230	M6	3 x 25	HSK 63 E-F	24.000
A130	A330	milling arbor	40	240	M6	3 x 25	HSK 63 E-F	24.000
A131	A331	milling arbor	40	250	M6	3 x 25	HSK 63 E-F	24.000
A132	A332	milling arbor	50	70	M8	3 x 25	HSK 63 E-F	24.000
A133	A333	milling arbor	50	75	M8	3 x 25	HSK 63 E-F	24.000
A134	A334	milling arbor	50	80	M8	3 x 25	HSK 63 E-F	24.000
A135	A335	milling arbor	50	85	M8	3 x 25	HSK 63 E-F	24.000
A136	A336	milling arbor	50	90	M8	3 x 25	HSK 63 E-F	24.000
A137	A337	milling arbor	50	95	M8	3 x 25	HSK 63 E-F	24.000
A138	A338	milling arbor	50	100	M8	3 x 25	HSK 63 E-F	24.000
A139	A339	milling arbor	50	105	M8	3 x 25	HSK 63 E-F	24.000
A140	A340	milling arbor	50	110	M8	3 x 25	HSK 63 E-F	24.000
A141	A341	milling arbor	50	115	M8	3 x 25	HSK 63 E-F	24.000
A142	A342	milling arbor	50	120	M8	3 x 25	HSK 63 E-F	24.000
A143	A343	milling arbor	50	125	M8	3 x 25	HSK 63 E-F	24.000
A144	A344	milling arbor	50	130	M8	3 x 25	HSK 63 E-F	24.000
A145	A345	milling arbor	50	135	M8	3 x 25	HSK 63 E-F	24.000
A146	A346	milling arbor	50	140	M8	3 x 25	HSK 63 E-F	24.000
A147	A347	milling arbor	50	145	M8	3 x 25	HSK 63 E-F	24.000
A148	A348	milling arbor	50	150	M8	3 x 25	HSK 63 E-F	24.000
A149	A349	milling arbor	50	160	M8	3 x 25	HSK 63 E-F	24.000
A150	A350	milling arbor	50	170	M8	3 x 25	HSK 63 E-F	24.000



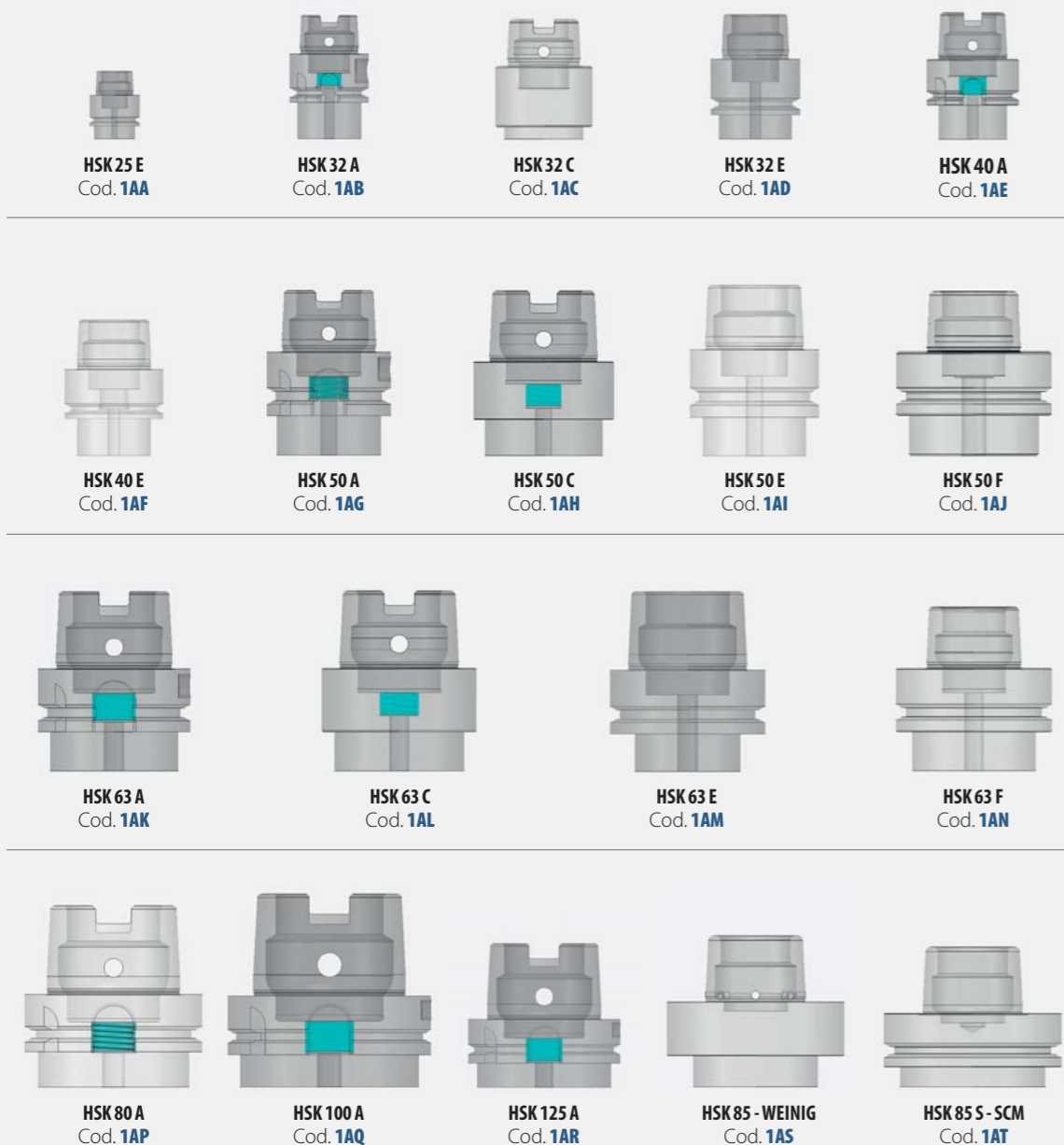
A33		A42						
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A151	A351	milling arbor	50	180	M8	3 x 25	HSK 63 E-F	24.000
A152	A352	milling arbor	50	190	M8	3 x 25	HSK 63 E-F	24.000
A153	A353	milling arbor	50	200	M8	3 x 25	HSK 63 E-F	24.000
A154	A354	milling arbor	50	210	M8	3 x 25	HSK 63 E-F	24.000
A155	A355	milling arbor	50	220	M8	3 x 25	HSK 63 E-F	24.000
A156	A356	milling arbor	50	230	M8	3 x 25	HSK 63 E-F	24.000
A157	A357	milling arbor	50	240	M8	3 x 25	HSK 63 E-F	24.000
A158	A358	milling arbor	50	250	M8	3 x 25	HSK 63 E-F	24.000
A159	A359	milling arbor	1 - 1/4	80	M6	3 x 20	HSK 63 E-F	24.000
A160	A360	milling arbor	1 - 1/4	85	M6	3 x 20	HSK 63 E-F	24.000
A161	A361	milling arbor	1 - 1/4	90	M6	3 x 20	HSK 63 E-F	24.000
A162	A362	milling arbor	1 - 1/4	95	M6	3 x 20	HSK 63 E-F	24.000
A163	A363	milling arbor	1 - 1/4	100	M6	3 x 20	HSK 63 E-F	24.000
A164	A364	milling arbor	1 - 1/4	105	M6	3 x 20	HSK 63 E-F	24.000
A165	A365	milling arbor	1 - 1/4	110	M6	3 x 20	HSK 63 E-F	24.000
A166	A366	milling arbor	1 - 1/4	115	M6	3 x 20	HSK 63 E-F	24.000
A167	A367	milling arbor	1 - 1/4	120	M6	3 x 20	HSK 63 E-F	24.000
A168	A368	milling arbor	1 - 1/4	125	M6	3 x 20	HSK 63 E-F	24.000
A169	A369	milling arbor	1 - 1/4	130	M6	3 x 20	HSK 63 E-F	24.000
A170	A370	milling arbor	1 - 1/4	135	M6	3 x 20	HSK 63 E-F	24.000
A171	A371	milling arbor	1 - 1/4	140	M6	3 x 20	HSK 63 E-F	24.000
A172	A372	milling arbor	1 - 1/4	145	M6	3 x 20	HSK 63 E-F	24.000
A173	A373	milling arbor	1 - 1/4	150	M6	3 x 20	HSK 63 E-F	24.000
A174	A374	milling arbor	1 - 1/4	160	M6	3 x 20	HSK 63 E-F	24.000
A175	A375	milling arbor	1 - 1/4	170	M6	3 x 20	HSK 63 E-F	24.000
A176	A376	milling arbor	1 - 1/4	180	M6	3 x 20	HSK 63 E-F	24.000
A177	A377	milling arbor	1 - 1/4	190	M6	3 x 20	HSK 63 E-F	24.000
A178	A378	milling arbor	1 - 1/4	200	M6	3 x 20	HSK 63 E-F	24.000
A179	A379	milling arbor	1 - 1/4	210	M6	3 x 20	HSK 63 E-F	24.000
A180	A380	milling arbor	1 - 1/4	220	M6	3 x 20	HSK 63 E-F	24.000
A181	A381	milling arbor	1 - 1/4	230	M6	3 x 20	HSK 63 E-F	24.000
A182	A382	milling arbor	1 - 1/4	240	M6	3 x 20	HSK 63 E-F	24.000
A183	A383	milling arbor	1 - 1/4	250	M6	3 x 20	HSK 63 E-F	24.000

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

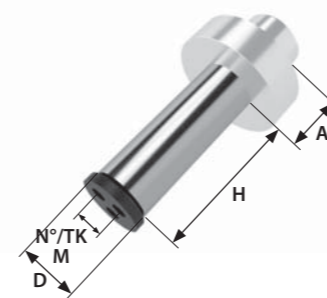


\*See page 69 for the complete list of DIN manufacturing rules.



## Milling arbors for Weinig

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws.



Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A400	26	milling arbor	30	70	M6	3x20	HSK 85 W	18.000
A401	26	milling arbor	30	75	M6	3x20	HSK 85 W	18.000
A402	26	milling arbor	30	80	M6	3x20	HSK 85 W	18.000
A403	26	milling arbor	30	85	M6	3x20	HSK 85 W	18.000
A404	26	milling arbor	30	90	M6	3x20	HSK 85 W	18.000
A405	26	milling arbor	30	95	M6	3x20	HSK 85 W	18.000
A406	26	milling arbor	30	100	M6	3x20	HSK 85 W	18.000
A407	26	milling arbor	30	105	M6	3x20	HSK 85 W	18.000
A408	26	milling arbor	30	110	M6	3x20	HSK 85 W	18.000
A409	26	milling arbor	30	115	M6	3x20	HSK 85 W	18.000
A410	26	milling arbor	30	120	M6	3x20	HSK 85 W	18.000
A411	26	milling arbor	30	125	M6	3x20	HSK 85 W	18.000
A412	26	milling arbor	30	130	M6	3x20	HSK 85 W	18.000
A413	26	milling arbor	30	135	M6	3x20	HSK 85 W	18.000
A414	26	milling arbor	30	140	M6	3x20	HSK 85 W	18.000
A415	26	milling arbor	30	145	M6	3x20	HSK 85 W	18.000
A416	26	milling arbor	30	150	M6	3x20	HSK 85 W	18.000
A417	26	milling arbor	30	160	M6	3x20	HSK 85 W	18.000
A418	26	milling arbor	30	170	M6	3x20	HSK 85 W	18.000
A419	26	milling arbor	30	180	M6	3x20	HSK 85 W	18.000
A420	26	milling arbor	30	190	M6	3x20	HSK 85 W	18.000
A421	26	milling arbor	30	200	M6	3x20	HSK 85 W	18.000
A422	26	milling arbor	30	210	M6	3x20	HSK 85 W	18.000
A423	26	milling arbor	30	220	M6	3x20	HSK 85 W	18.000
A424	26	milling arbor	30	230	M6	3x20	HSK 85 W	18.000
A425	26	milling arbor	30	240	M6	3x20	HSK 85 W	18.000
A426	26	milling arbor	30	250	M6	3x20	HSK 85 W	18.000
A427	26	milling arbor	35	70	M6	3x25	HSK 85 W	18.000
A428	26	milling arbor	35	75	M6	3x25	HSK 85 W	18.000
A429	26	milling arbor	35	80	M6	3x25	HSK 85 W	18.000
A430	26	milling arbor	35	85	M6	3x25	HSK 85 W	18.000
A431	26	milling arbor	35	90	M6	3x25	HSK 85 W	18.000
A432	26	milling arbor	35	95	M6	3x25	HSK 85 W	18.000
A433	26	milling arbor	35	100	M6	3x25	HSK 85 W	18.000
A434	26	milling arbor	35	105	M6	3x25	HSK 85 W	18.000
A435	26	milling arbor	35	110	M6	3x25	HSK 85 W	18.000

Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A436	26	milling arbor	35	115	M6	3x25	HSK 85 W	18.000
A437	26	milling arbor	35	120	M6	3x25	HSK 85 W	18.000
A438	26	milling arbor	35	125	M6	3x25	HSK 85 W	18.000
A439	26	milling arbor	35	130	M6	3x25	HSK 85 W	18.000
A440	26	milling arbor	35	135	M6	3x25	HSK 85 W	18.000
A441	26	milling arbor	35	140	M6	3x25	HSK 85 W	18.000
A442	26	milling arbor	35	145	M6	3x25	HSK 85 W	18.000
A443	26	milling arbor	35	150	M6	3x25	HSK 85 W	18.000
A444	26	milling arbor	35	160	M6	3x25	HSK 85 W	18.000
A445	26	milling arbor	35	170	M6	3x25	HSK 85 W	18.000
A446	26	milling arbor	35	180	M6	3x25	HSK 85 W	18.000
A447	26	milling arbor	35	190	M6	3x25	HSK 85 W	18.000
A448	26	milling arbor	35	200	M6	3x25	HSK 85 W	18.000
A449	26	milling arbor	35	210	M6	3x25	HSK 85 W	18.000
A450	26	milling arbor	35	220	M6	3x25	HSK 85 W	18.000
A451	26	milling arbor	35	230	M6	3x25	HSK 85 W	18.000
A452	26	milling arbor	35	240	M6	3x25	HSK 85 W	18.000
A453	26	milling arbor	35	250	M6	3x25	HSK 85 W	18.000
A454	26	milling arbor	40	70	M6	3x25	HSK 85 W	18.000
A455	26	milling arbor	40	75	M6	3x25	HSK 85 W	18.000
A456	26	milling arbor	40	80	M6	3x25	HSK 85 W	18.000
A457	26	milling arbor	40	85	M6	3x25	HSK 85 W	18.000
A458	26	milling arbor	40	90	M6	3x25	HSK 85 W	18.000
A459	26	milling arbor	40	95	M6	3x25	HSK 85 W	18.000
A460	26	milling arbor	40	100	M6	3x25	HSK 85 W	18.000
A461	26	milling arbor	40	105	M6	3x25	HSK 85 W	18.000
A462	26	milling arbor	40	110	M6	3x25	HSK 85 W	18.000
A463	26	milling arbor	40	115	M6	3x25	HSK 85 W	18.000

MANUFACTURING MATERIAL

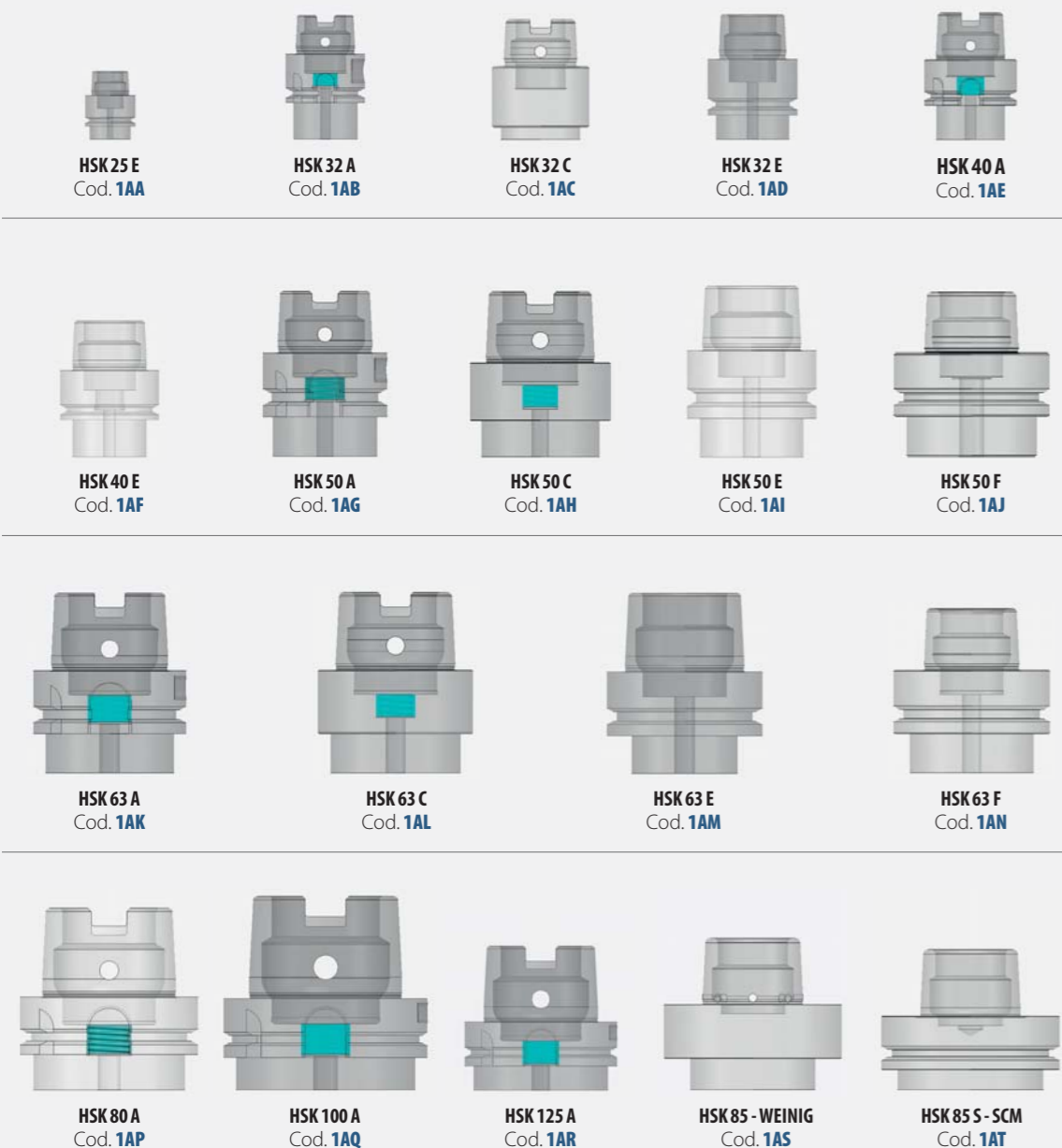


### Part codes for available HSK CONNECTIONS\*

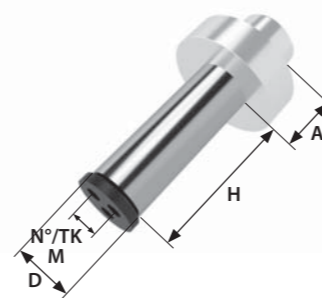
To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



### Milling arbors for Weinig



Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A464	26	milling arbor	40	120	M6	3x25	HSK 85 W	18.000
A465	26	milling arbor	40	125	M6	3x25	HSK 85 W	18.000
A466	26	milling arbor	40	130	M6	3x25	HSK 85 W	18.000
A467	26	milling arbor	40	135	M6	3x25	HSK 85 W	18.000
A468	26	milling arbor	40	140	M6	3x25	HSK 85 W	18.000
A469	26	milling arbor	40	145	M6	3x25	HSK 85 W	18.000
A470	26	milling arbor	40	150	M6	3x25	HSK 85 W	18.000
A471	26	milling arbor	40	160	M6	3x25	HSK 85 W	18.000
A472	26	milling arbor	40	170	M6	3x25	HSK 85 W	18.000
A473	26	milling arbor	40	180	M6	3x25	HSK 85 W	18.000
A474	26	milling arbor	40	190	M6	3x25	HSK 85 W	18.000
A475	26	milling arbor	40	200	M6	3x25	HSK 85 W	18.000
A476	26	milling arbor	40	210	M6	3x25	HSK 85 W	18.000
A477	26	milling arbor	40	220	M6	3x25	HSK 85 W	18.000
A478	26	milling arbor	40	230	M6	3x25	HSK 85 W	18.000
A479	26	milling arbor	40	240	M6	3x25	HSK 85 W	18.000
A480	26	milling arbor	40	250	M6	3x25	HSK 85 W	18.000
A481	26	milling arbor	50	70	M8	3x25	HSK 85 W	18.000
A482	26	milling arbor	50	75	M8	3x25	HSK 85 W	18.000
A483	26	milling arbor	50	80	M8	3x25	HSK 85 W	18.000
A484	26	milling arbor	50	85	M8	3x25	HSK 85 W	18.000
A485	26	milling arbor	50	90	M8	3x25	HSK 85 W	18.000
A486	26	milling arbor	50	95	M8	3x25	HSK 85 W	18.000
A487	26	milling arbor	50	100	M8	3x25	HSK 85 W	18.000
A488	26	milling arbor	50	105	M8	3x25	HSK 85 W	18.000
A489	26	milling arbor	50	110	M8	3x25	HSK 85 W	18.000
A490	26	milling arbor	50	115	M8	3x25	HSK 85 W	18.000
A491	26	milling arbor	50	120	M8	3x25	HSK 85 W	18.000
A492	26	milling arbor	50	125	M8	3x25	HSK 85 W	18.000
A493	26	milling arbor	50	130	M8	3x25	HSK 85 W	18.000
A494	26	milling arbor	50	135	M8	3x25	HSK 85 W	18.000
A495	26	milling arbor	50	140	M8	3x25	HSK 85 W	18.000
A496	26	milling arbor	50	145	M8	3x25	HSK 85 W	18.000
A497	26	milling arbor	50	150	M8	3x25	HSK 85 W	18.000
A498	26	milling arbor	50	160	M8	3x25	HSK 85 W	18.000
A499	26	milling arbor	50	170	M8	3x25	HSK 85 W	18.000

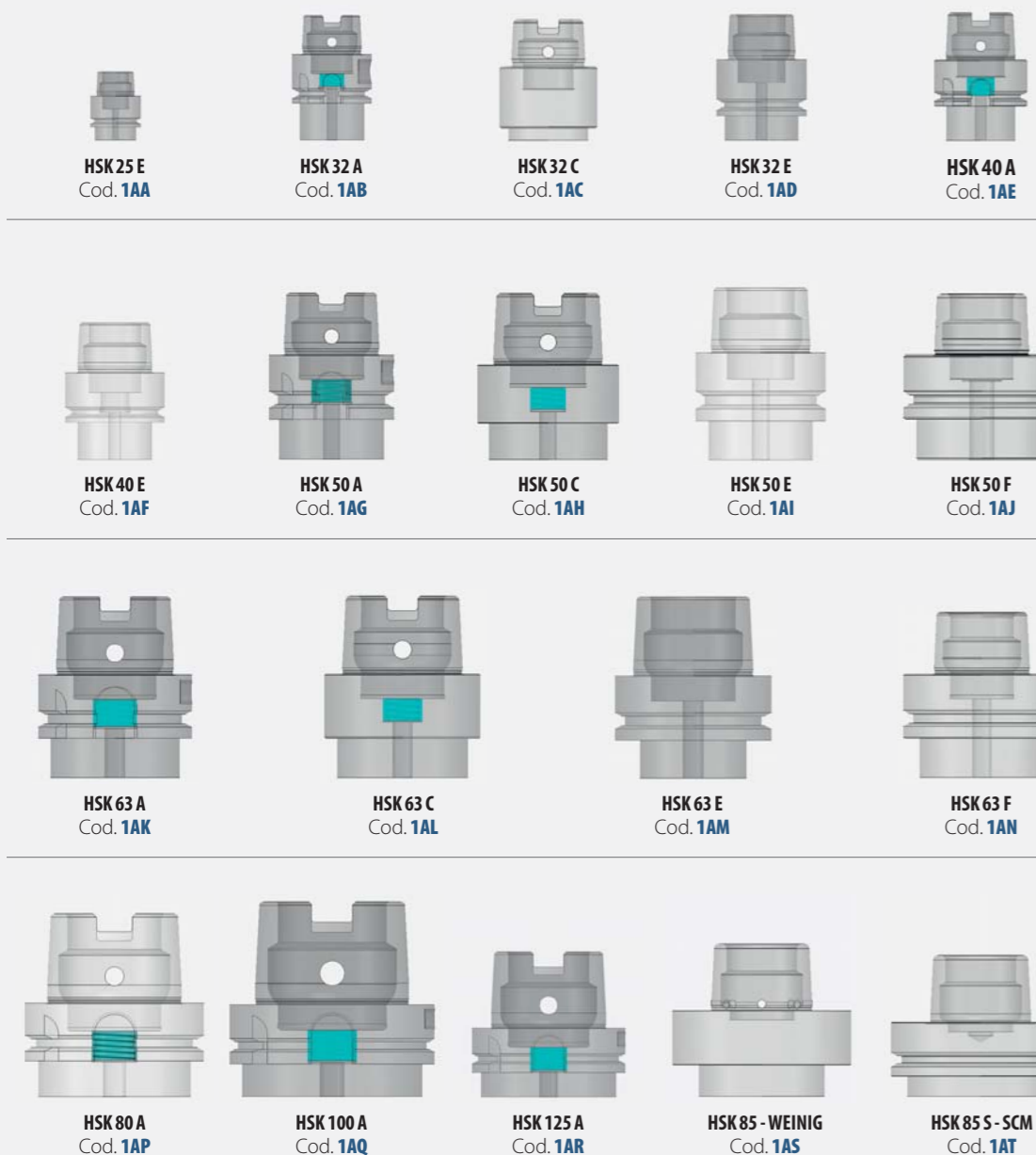
Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A500	26	milling arbor	50	180	M8	3x25	HSK 85 W	18.000
A501	26	milling arbor	50	190	M8	3x25	HSK 85 W	18.000
A502	26	milling arbor	50	200	M8	3x25	HSK 85 W	18.000
A503	26	milling arbor	50	210	M8	3x25	HSK 85 W	18.000
A504	26	milling arbor	50	220	M8	3x25	HSK 85 W	18.000
A505	26	milling arbor	50	230	M8	3x25	HSK 85 W	18.000
A506	26	milling arbor	50	240	M8	3x25	HSK 85 W	18.000
A507	26	milling arbor	50	250	M8	3x25	HSK 85 W	18.000
A508	26	milling arbor	1 - 1/4	80	M6	3x20	HSK 85 W	18.000
A509	26	milling arbor	1 - 1/4	85	M6	3x20	HSK 85 W	18.000
A510	26	milling arbor	1 - 1/4	90	M6	3x20	HSK 85 W	18.000
A511	26	milling arbor	1 - 1/4	95	M6	3x20	HSK 85 W	18.000
A512	26	milling arbor	1 - 1/4	100	M6	3x20	HSK 85 W	18.000
A513	26	milling arbor	1 - 1/4	105	M6	3x20	HSK 85 W	18.000
A514	26	milling arbor	1 - 1/4	110	M6	3x20	HSK 85 W	18.000
A515	26	milling arbor	1 - 1/4	115	M6	3x20	HSK 85 W	18.000
A516	26	milling arbor	1 - 1/4	120	M6	3x20	HSK 85 W	18.000
A517	26	milling arbor	1 - 1/4	125	M6	3x20	HSK 85 W	18.000
A518	26	milling arbor	1 - 1/4	130	M6	3x20	HSK 85 W	18.000
A519	26	milling arbor	1 - 1/4	135	M6	3x20	HSK 85 W	18.000
A520	26	milling arbor	1 - 1/4	140	M6	3x20	HSK 85 W	18.000
A521	26	milling arbor	1 - 1/4	145	M6	3x20	HSK 85 W	18.000
A522	26	milling arbor	1 - 1/4	150	M6	3x20	HSK 85 W	18.000
A523	26	milling arbor	1 - 1/4	160	M6	3x20	HSK 85 W	18.000
A524	26	milling arbor	1 - 1/4	170	M6	3x20	HSK 85 W	18.000
A525	26	milling arbor	1 - 1/4	180	M6	3x20	HSK 85 W	18.000
A526	26	milling arbor	1 - 1/4	190	M6	3x20	HSK 85 W	18.000
A527	26	milling arbor	1 - 1/4	200	M6	3x20	HSK 85 W	18.000
A528	26	milling arbor	1 - 1/4	210	M6	3x20	HSK 85 W	18.000
A529	26	milling arbor	1 - 1/4	220	M6	3x20	HSK 85 W	18.000
A530	26	milling arbor	1 - 1/4	230	M6	3x20	HSK 85 W	18.000
A531	26	milling arbor	1 - 1/4	240	M6	3x20	HSK 85 W	18.000
A532	26	milling arbor	1 - 1/4	250	M6	3x20	HSK 85 W	18.000

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

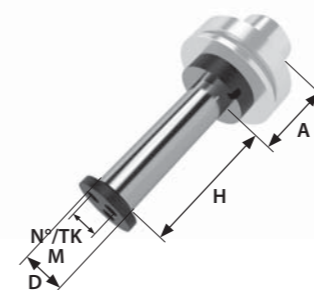


\*See page 69 for the complete list of DIN manufacturing rules.



## Milling arbor for SCM

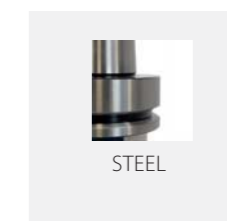
Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws.



Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A600	26	milling arbor	40	70	M6	3x25	HSK 85 S	18.000
A601	26	milling arbor	40	75	M6	3x25	HSK 85 S	18.000
A602	26	milling arbor	40	80	M6	3x25	HSK 85 S	18.000
A603	26	milling arbor	40	85	M6	3x25	HSK 85 S	18.000
A604	26	milling arbor	40	90	M6	3x25	HSK 85 S	18.000
A605	26	milling arbor	40	95	M6	3x25	HSK 85 S	18.000
A606	26	milling arbor	40	100	M6	3x25	HSK 85 S	18.000
A607	26	milling arbor	40	105	M6	3x25	HSK 85 S	18.000
A608	26	milling arbor	40	110	M6	3x25	HSK 85 S	18.000
A609	26	milling arbor	40	115	M6	3x25	HSK 85 S	18.000
A610	26	milling arbor	40	120	M6	3x25	HSK 85 S	18.000
A611	26	milling arbor	40	125	M6	3x25	HSK 85 S	18.000
A612	26	milling arbor	40	130	M6	3x25	HSK 85 S	18.000
A613	26	milling arbor	40	135	M6	3x25	HSK 85 S	18.000
A614	26	milling arbor	40	140	M6	3x25	HSK 85 S	18.000
A615	26	milling arbor	40	145	M6	3x25	HSK 85 S	18.000
A616	26	milling arbor	40	150	M6	3x25	HSK 85 S	18.000
A617	26	milling arbor	40	160	M6	3x25	HSK 85 S	18.000
A618	26	milling arbor	40	170	M6	3x25	HSK 85 S	18.000
A619	26	milling arbor	40	180	M6	3x25	HSK 85 S	18.000
A620	26	milling arbor	40	190	M6	3x25	HSK 85 S	18.000
A621	26	milling arbor	40	200	M6	3x25	HSK 85 S	18.000
A622	26	milling arbor	40	210	M6	3x25	HSK 85 S	18.000
A623	26	milling arbor	40	220	M6	3x25	HSK 85 S	18.000
A624	26	milling arbor	40	230	M6	3x25	HSK 85 S	18.000
A625	26	milling arbor	40	240	M6	3x25	HSK 85 S	18.000
A626	26	milling arbor	40	250	M6	3x25	HSK 85 S	18.000
A627	26	milling arbor	50	70	M8	3x25	HSK 85 S	18.000
A628	26	milling arbor	50	75	M8	3x25	HSK 85 S	18.000
A629	26	milling arbor	50	80	M8	3x25	HSK 85 S	18.000
A630	26	milling arbor	50	85	M8	3x25	HSK 85 S	18.000
A631	26	milling arbor	50	90	M8	3x25	HSK 85 S	18.000
A632	26	milling arbor	50	95	M8	3x25	HSK 85 S	18.000

Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A633	26	milling arbor	50	100	M8	3x25	HSK 85 S	18.000
A634	26	milling arbor	50	105	M8	3x25	HSK 85 S	18.000
A635	26	milling arbor	50	110	M8	3x25	HSK 85 S	18.000
A636	26	milling arbor	50	115	M8	3x25	HSK 85 S	18.000
A637	26	milling arbor	50	120	M8	3x25	HSK 85 S	18.000
A638	26	milling arbor	50	125	M8	3x25	HSK 85 S	18.000
A639	26	milling arbor	50	130	M8	3x25	HSK 85 S	18.000
A640	26	milling arbor	50	135	M8	3x25	HSK 85 S	18.000
A641	26	milling arbor	50	140	M8	3x25	HSK 85 S	18.000
A642	26	milling arbor	50	145	M8	3x25	HSK 85 S	18.000
A643	26	milling arbor	50	150	M8	3x25	HSK 85 S	18.000
A644	26	milling arbor	50	160	M8	3x25	HSK 85 S	18.000
A645	26	milling arbor	50	170	M8	3x25	HSK 85 S	18.000
A646	26	milling arbor	50	180	M8	3x25	HSK 85 S	18.000
A647	26	milling arbor	50	190	M8	3x25	HSK 85 S	18.000
A648	26	milling arbor	50	200	M8	3x25	HSK 85 S	18.000
A649	26	milling arbor	50	210	M8	3x25	HSK 85 S	18.000
A650	26	milling arbor	50	220	M8	3x25	HSK 85 S	18.000
A651	26	milling arbor	50	230	M8	3x25	HSK 85 S	18.000
A652	26	milling arbor	50	240	M8	3x25	HSK 85 S	18.000
A653	26	milling arbor	50	250	M8	3x25	HSK 85 S	18.000

MANUFACTURING MATERIAL

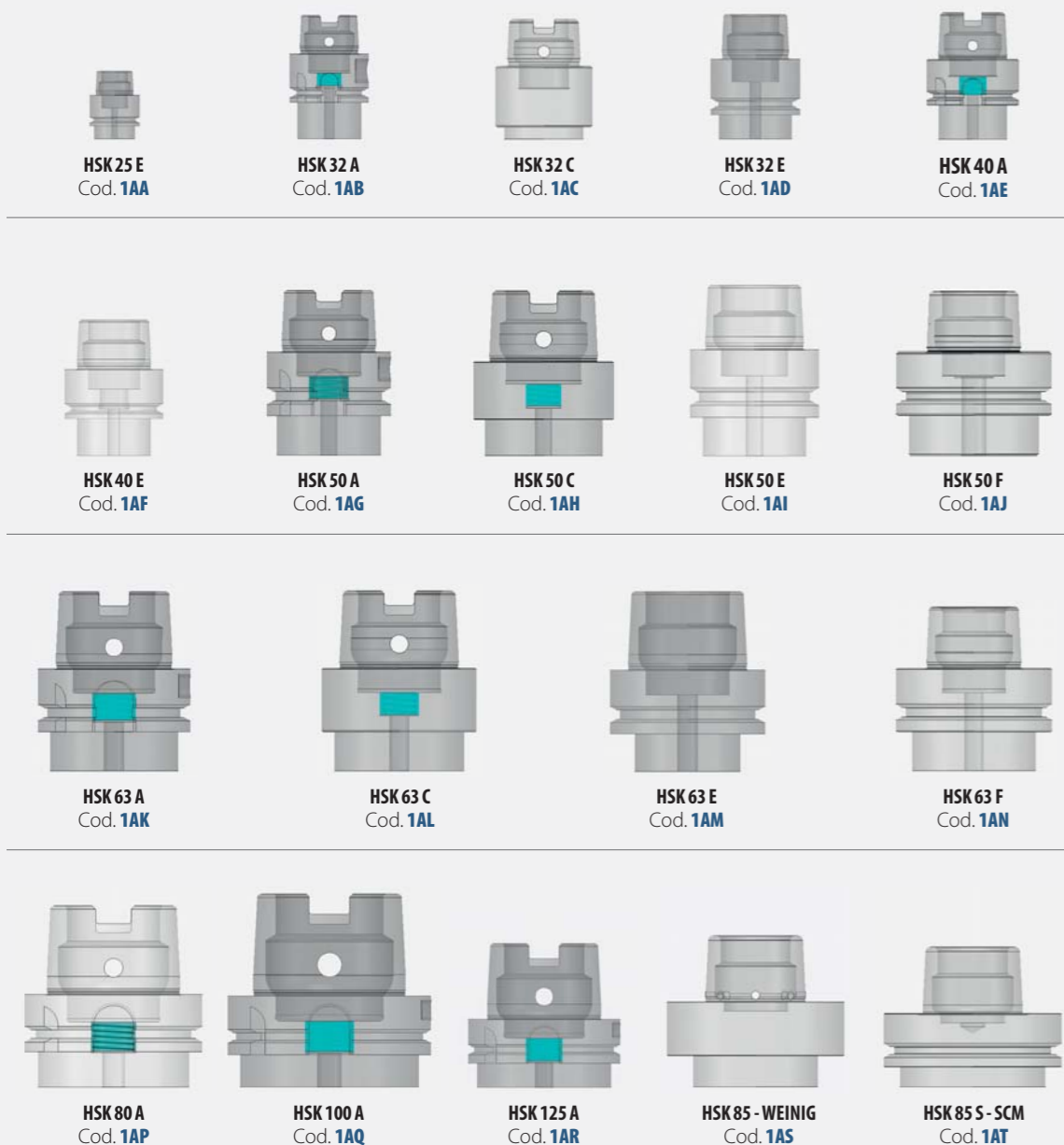


## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

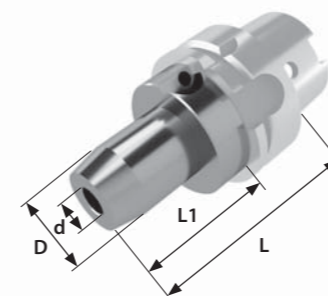


\*See page 69 for the complete list of DIN manufacturing rules.

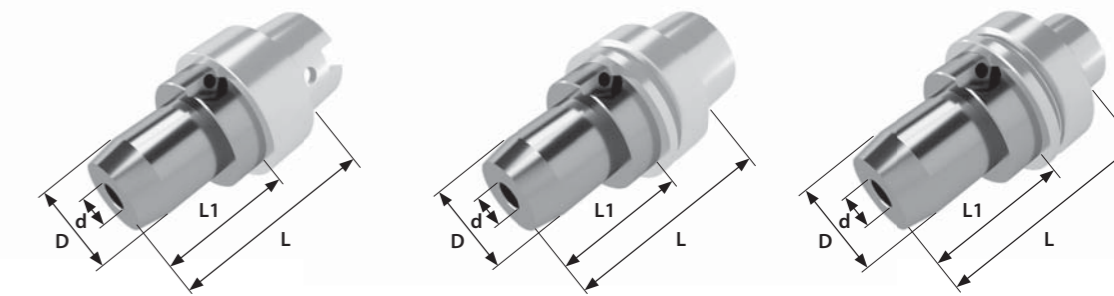


## Hydro Chucks

Ideal for detailing, milling and drilling operations. Hydro chucks combine the best of all high range clamping systems, providing exceptional concentricity features and ease of set up.



Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AM00	hydro chuck	30	10	90	65	HSK 32 A-E	50.000
AM00	hydro chuck	30	10	90	65	HSK 40 A-E	24.000
AM01	hydro chuck	32	12	95	70	HSK 40 A-E	24.000
AM02	hydro chuck	32	12	100	64	HSK 50 A-E-F	24.000
AM03	hydro chuck	32	12	85	65	HSK 63 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 50 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 63 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 80 A	24.000
AM05	hydro chuck	38	16	95	66	HSK 100 A	18.000
AM06	hydro chuck	42	20	95	69	HSK 63 A-C-E-F	18.000
AM07	hydro chuck	42	20	95	66	HSK 80 A	18.000
AM07	hydro chuck	42	20	95	66	HSK 100 A	18.000
AM08	hydro chuck	52	25	120	94	HSK 63 A-C-E-F	18.000
AM08	hydro chuck	52	25	120	94	HSK 80 A	18.000
AM09	hydro chuck	52	25	120	91	HSK 100 A	18.000
AM10	hydro chuck	60	32	120	94	HSK 63 A-C-E-F	18.000
AM10	hydro chuck	60	32	120	94	HSK 80 A	18.000
AM11	hydro chuck	60	32	120	91	HSK 100 A	18.000
AM11	hydro chuck	60	32	120	91	HSK 125 A	18.000
AM12	hydro chuck	30	3/8"	100	59	HSK 50 A-E-F	18.000
AM13	hydro chuck	30	3/8"	80	59	HSK 63 A-E-F	18.000
AM14	hydro chuck	32	1/2"	85	64	HSK 63 A-E-F	18.000



Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AM15	hydro chuck	32	1/2"	90	64	HSK 80 A	18.000
AM16	hydro chuck	32	1/2"	90	61	HSK 100 A	18.000
AM17	hydro chuck	42	3/4"	95	69	HSK 63 A-E-F	18.000
AM18	hydro chuck	42	3/4"	96	70	HSK 80 A	18.000
AM19	hydro chuck	42	3/4"	97	68	HSK 100 A	18.000
AM20	hydro chuck	52	1"	120	94	HSK 63 A-E-F	18.000
AM20	hydro chuck	52	1"	120	94	HSK 80 A	18.000
AM21	hydro chuck	52	1"	120	91	HSK 100 A	18.000

MANUFACTURING MATERIAL





## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



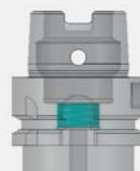
HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



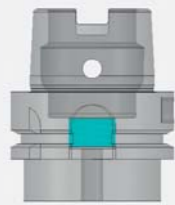
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



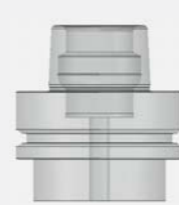
HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



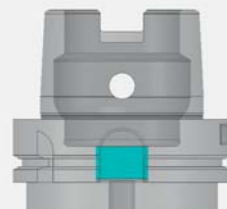
HSK 63 E  
Cod. 1AM



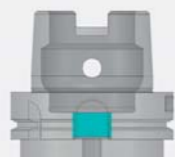
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



HSK 85 - WEINIG  
Cod. 1AS



HSK 85 - SCM  
Cod. 1AT

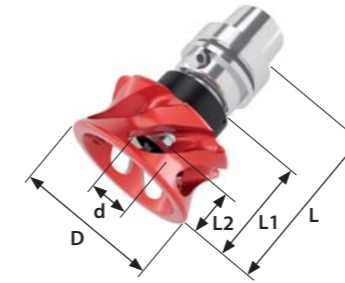
## Twister Hydro with adjustable height

Twister technology combines with the hydraulic clamping system for effective wood chip suction and excellent cutting precision.



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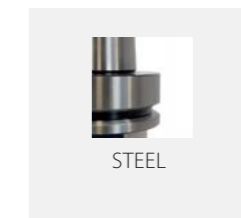


Part code	Description	D	d	L	L1	L2	Connection	Balancing (RPM)
AN00	Twister hydro RH	98	10	101	65	21	HSK 63 E-F	24.000
AN01	Twister hydro RH	98	12	106	65	21	HSK 63 E-F	24.000
AN02	Twister hydro RH	98	16	116	59	21	HSK 63 E-F	24.000
AN03	Twister hydro RH	98	20	116	59	21	HSK 63 E-F	24.000
AN04	Twister hydro RH	98	25	141	70	21	HSK 63 E-F	24.000
AN05	Twister hydro RH	98	32	141	64	21	HSK 63 E-F	24.000
AN06	Twister hydro RH	98	3/8"	101	65	21	HSK 63 E-F	24.000
AN07	Twister hydro RH	98	1/2"	106	65	21	HSK 63 E-F	24.000
AN08	Twister hydro RH	98	3/4"	116	59	21	HSK 63 E-F	24.000



Part code	Description	D	d	L	L1	L2	Connection	Balancing (RPM)
AP00	Twister hydro LH	98	10	101	65	21	HSK 63 E-F	24.000
AP01	Twister hydro LH	98	12	106	65	21	HSK 63 E-F	24.000
AP02	Twister hydro LH	98	16	116	59	21	HSK 63 E-F	24.000
AP03	Twister hydro LH	98	20	116	59	21	HSK 63 E-F	24.000
AP04	Twister hydro LH	98	25	141	70	21	HSK 63 E-F	24.000
AP05	Twister hydro LH	98	32	141	64	21	HSK 63 E-F	24.000
AP06	Twister hydro LH	98	3/8"	101	65	21	HSK 63 E-F	24.000
AP07	Twister hydro LH	98	1/2"	106	65	21	HSK 63 E-F	24.000
AP08	Twister hydro LH	98	3/4"	116	59	21	HSK 63 E-F	24.000

MANUFACTURING MATERIAL



## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



**HSK 25 E**  
Cod. **1AA**



**HSK 32 A**  
Cod. **1AB**



**HSK 32 C**  
Cod. **1AC**



**HSK 32 E**  
Cod. **1AD**



**HSK 40 A**  
Cod. **1AE**



**HSK 40 E**  
Cod. **1AF**



**HSK 50 A**  
Cod. **1AG**



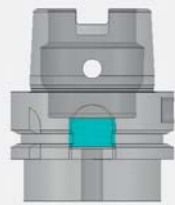
**HSK 50 C**  
Cod. **1AH**



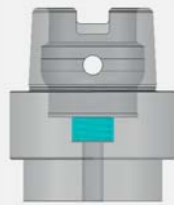
**HSK 50 E**  
Cod. **1AI**



**HSK 50 F**  
Cod. **1AJ**



**HSK 63 A**  
Cod. **1AK**



**HSK 63 C**  
Cod. **1AL**



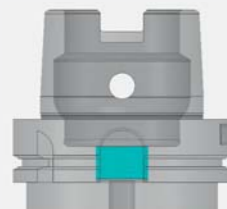
**HSK 63 E**  
Cod. **1AM**



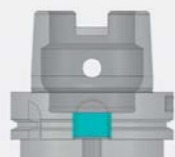
**HSK 63 F**  
Cod. **1AN**



**HSK 80 A**  
Cod. **1AQ**



**HSK 100 A**  
Cod. **1AQ**



**HSK 125 A**  
Cod. **1AR**



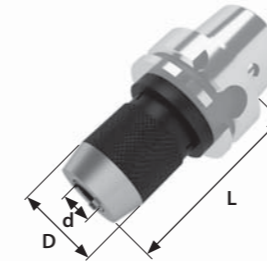
**HSK 85 - WEINIG**  
Cod. **1AS**



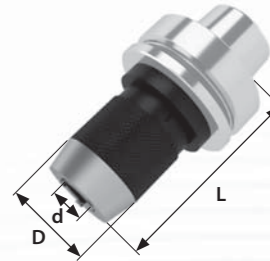
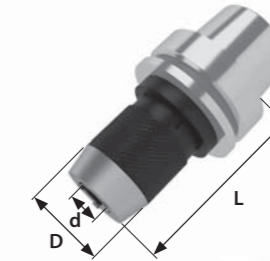
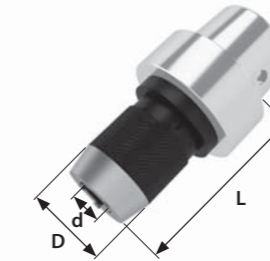
**HSK 85 S - SCM**  
Cod. **1AT**

## Drill Chucks

Drill chucks are an effective system for low speed boring, milling and generic cut operations.



Part code	Description	d	D	L	Connection	Balancing (RPM)
AQ00	drill chuck	0-13	50	95	HSK 50 A-E-F	18.000
AQ00	drill chuck	0-13	50	95	HSK 63 A-E-F	18.000
AQ00	drill chuck	0-13	50	95	HSK 80 A	18.000
AQ00	drill chuck	0-13	50	95	HSK 100 A	18.000
AQ01	drill chuck	0-16	57	100	HSK 63 A-E-F	18.000
AQ01	drill chuck	0-16	57	100	HSK 80 A	18.000
AQ01	drill chuck	0-16	57	100	HSK 100 A	18.000
AQ01	drill chuck	0-16	57	100	HSK 125 A	18.000



MANUFACTURING MATERIAL



## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



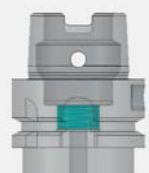
HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



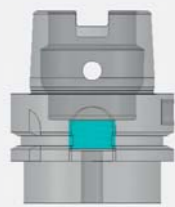
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



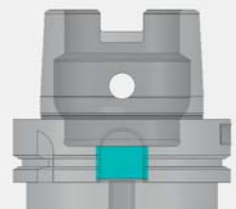
HSK 63 E  
Cod. 1AM



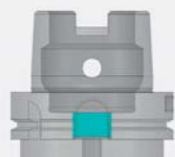
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



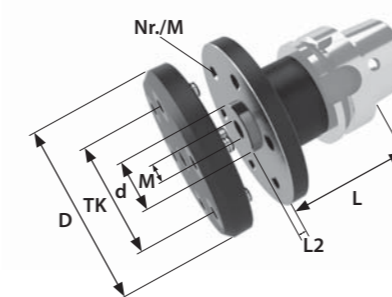
HSK 85 - WEINIG  
Cod. 1AS



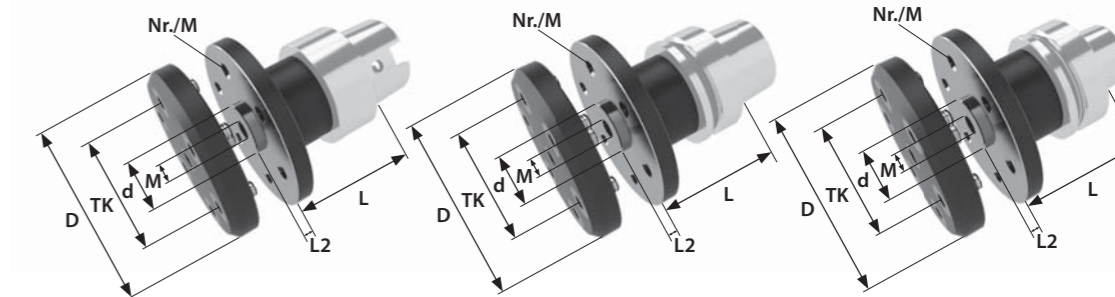
HSK 85 S - SCM  
Cod. 1AT

## Saw Blade Holders with/without Counterflange

Saw Blade Holders are used for circular saws clamping. The tool is locked in place with six screws and (optionally) with a safety counterflange.



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
AS00	saw blade holder without counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 40 E	24.000
AS00	saw blade holder without counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 50 A-C-E-F	24.000
AS01	saw blade holder without counterflange	100	1 - 1/4"	60	3	6/M5/vts	75	M12	HSK 50 A-C-E-F	24.000
AS02	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	HSK 63 A-C-E-F	24.000
AS03	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	HSK 63 A-C-E-F	24.000
AS04	saw blade holder without counterflange	100	1 - 1/4"	60	3	6/M5/vts	75	M12	HSK 63 A-C-E-F	24.000
AS05	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	HSK 63 A-C-E-F	24.000
AS06	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	HSK 63 A-C-E-F	24.000
AS07	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	HSK 63 A-C-E-F	24.000



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
AR00	saw blade holder with counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 40 E	24.000
AR00	saw blade holder with counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 50 A-C-E-F	24.000
AR01	saw blade holder with counterflange	100	1 - 1/4"	60	3	6/M5/vts	75	M12	HSK 50 A-C-E-F	24.000
AR02	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	HSK 63 A-C-E-F	24.000
AR03	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	HSK 63 A-C-E-F	24.000
AR04	saw blade holder with counterflange	100	1 - 1/4"	60	3	6/M5/vts	75	M12	HSK 63 A-C-E-F	24.000
AR05	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	HSK 63 A-C-E-F	24.000
AR06	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	HSK 63 A-C-E-F	24.000
AR07	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	HSK 63 A-C-E-F	24.000

When the sawblade holder is used with a counterflange, the tool is locked with a central M12 or M16 screw in addition to the standard six M5 or M6 ones. The counterflange is recommended for saws with an external diameter wider than 25cm (10")

MANUFACTURING MATERIAL



## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AB



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



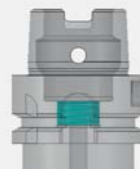
HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



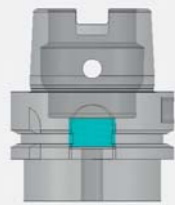
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



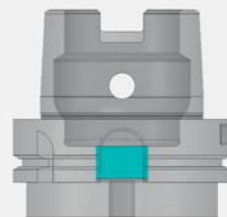
HSK 63 E  
Cod. 1AM



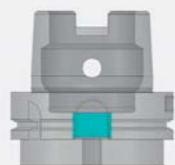
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



HSK 85 - WEINIG  
Cod. 1AS



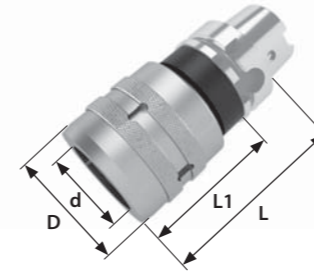
HSK 85 S - SCM  
Cod. 1AT

## Milling chucks

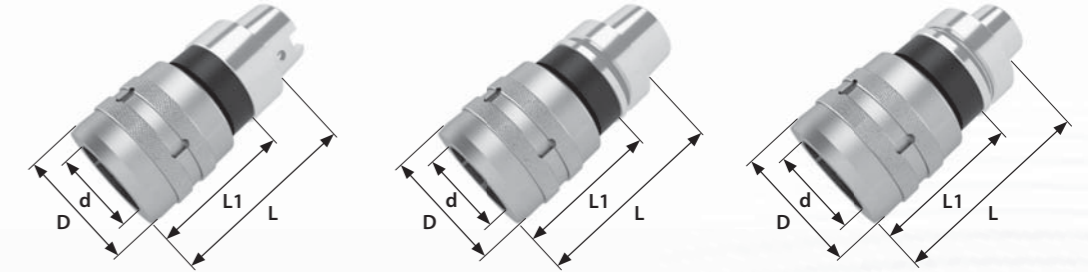
The high clamping force, combined with the ease of use, makes milling chucks ideal for generic cut and milling operations.



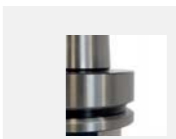
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Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AT00	milling chuck	54	20	95	69	HSK 50 A-E	24.000
AT01	milling chuck	64	25	95	69	HSK 50 A-E	24.000
AT01	milling chuck	64	25	95	69	HSK 63 A-E-F	20.000
AT02	milling chuck	74	32	95	69	HSK 63 A-E-F	20.000
AT03	milling chuck	74	32	105	79	HSK 80 A	18.000
AT04	milling chuck	74	32	105	66	HSK 100 A	18.000
AT05	milling chuck	74	32	130	101	HSK 125 A	18.000



MANUFACTURING MATERIAL



STEEL

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



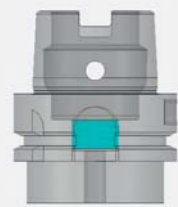
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



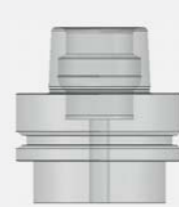
HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



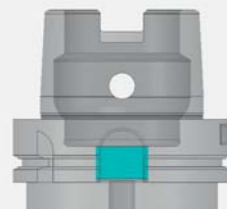
HSK 63 E  
Cod. 1AM



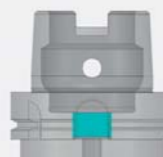
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AQ



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



HSK 85 - WEINIG  
Cod. 1AS



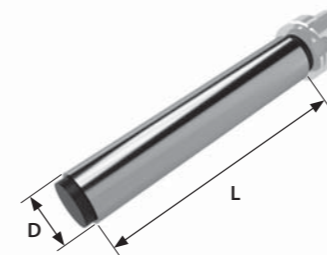
HSK 85 S - SCM  
Cod. 1AT

## Test Bars

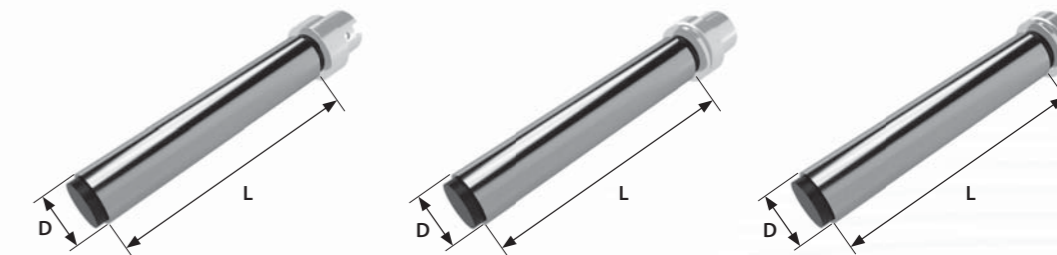
Test bars provide the maximum precision when performing centering inspections on the electrospindle.



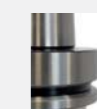
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Part code	Description	D	L	Connection	Balancing (RPM)
AU00	test bar	20	200	HSK 25 E	70.000
AU01	test bar	25	200	HSK 32 A-E	50.000
AU02	test bar	25	300	HSK 32 A-E	50.000
AU03	test bar	30	200	HSK 40 A-E	24.000
AU04	test bar	30	300	HSK 40 A-E	24.000
AU05	test bar	40	200	HSK 50 A-E-F	24.000
AU05	test bar	40	300	HSK 50 A-E-F	24.000
AU06	test bar	40	200	HSK 63 A-E-F	24.000
AU06	test bar	40	300	HSK 63 A-E-F	24.000
AU07	test bar	50	200	HSK 80 A	24.000
AU07	test bar	50	300	HSK 80 A	24.000
AU08	test bar	50	200	HSK 100 A	18.000
AU08	test bar	50	300	HSK 100 A	18.000
AU08	test bar	50	300	HSK 125 A	18.000
AU08	test bar	50	300	HSK 85 S - HSK 85 W	24.000



MANUFACTURING MATERIAL



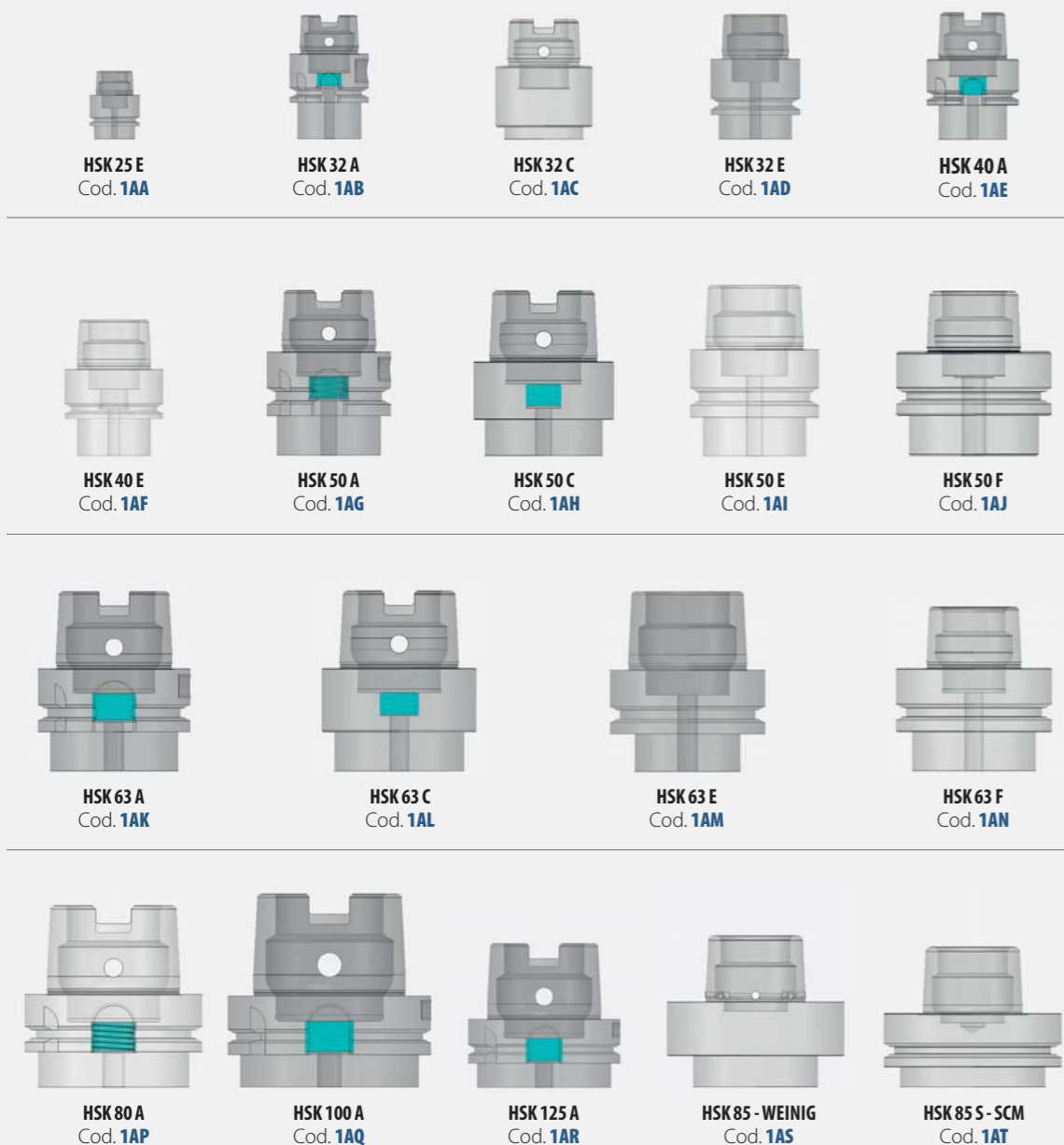
STEEL

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

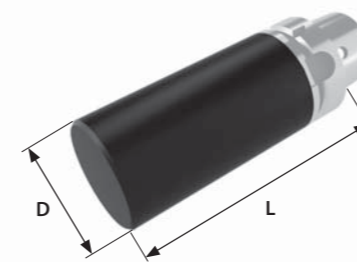


\*See page 69 for the complete list of DIN manufacturing rules.

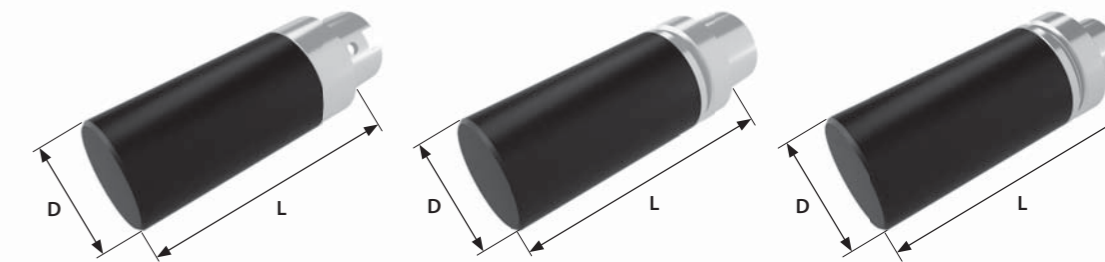


## Blank Bars

Tool holders with finished machine connection and untempered bodies, for the manufacturing of mono-block tools.



Part code	Description	D	L	Connection	Balancing (RPM)
AV00	blank bar	40	200	HSK 40 A-E	24.000
AV01	blank bar	50	200	HSK 50 A-C-E-F	24.000
AV02	blank bar	50	300	HSK 50 A-C-E-F	24.000
AV03	blank bar	20	200	HSK 63 A-C-E-F	24.000
AV04	blank bar	25	200	HSK 63 A-C-E-F	24.000
AV05	blank bar	30	233	HSK 63 A-C-E-F	24.000
AV06	blank bar	35	233	HSK 63 A-C-E-F	24.000
AV07	blank bar	1-1/4"	233	HSK 63 A-C-E-F	24.000
AV08	blank bar	1"	233	HSK 63 A-C-E-F	24.000
AV09	blank bar	40	233	HSK 63 A-C-E-F	24.000
AV10	blank bar	30	242	HSK 63 A-C-E-F	24.000
AV11	blank bar	35	242	HSK 63 A-C-E-F	24.000
AV12	blank bar	1-1/4"	242	HSK 63 A-C-E-F	24.000
AV13	blank bar	1"	242	HSK 63 A-C-E-F	24.000
AV14	blank bar	40	242	HSK 63 A-C-E-F	24.000
AV15	blank bar	40	200	HSK 63 A-C-E-F	24.000
AV16	blank bar	50	200	HSK 63 A-C-E-F	24.000
AV17	blank bar	63	200	HSK 63 A-C-E-F	24.000
AV18	blank bar	63	300	HSK 63 A-C-E-F	24.000
AV19	blank bar	80	200	HSK 80 A-C-E-F	24.000
AV20	blank bar	80	300	HSK 80 A-C-E-F	24.000
AV21	blank bar	100	200	HSK 100 A	18.000



Part code	Description	D	L	Connection	Balancing (RPM)
AV22	blank bar	100	300	HSK 100 A	18.000
AV23	blank bar	125	200	HSK 125 A	18.000
AV24	blank bar	125	300	HSK 125 A	18.000
AV25	blank bar	90	100	HSK 85 W	24.000
AV26	blank bar	90	150	HSK 85 W	24.000
AV27	blank bar	90	200	HSK 85 W	24.000
AV28	blank bar	90	250	HSK 85 W	24.000
AV29	blank bar	90	300	HSK 85 W	24.000
AV30	blank bar	40	300	HSK 85 S	24.000
AV31	blank bar	40	100	HSK 85 S	24.000
AV32	blank bar	40	150	HSK 85 S	24.000
AV33	blank bar	50	200	HSK 85 S	24.000
AV34	blank bar	50	250	HSK 85 S	24.000
AV35	blank bar	50	300	HSK 85 S	24.000

MANUFACTURING MATERIAL

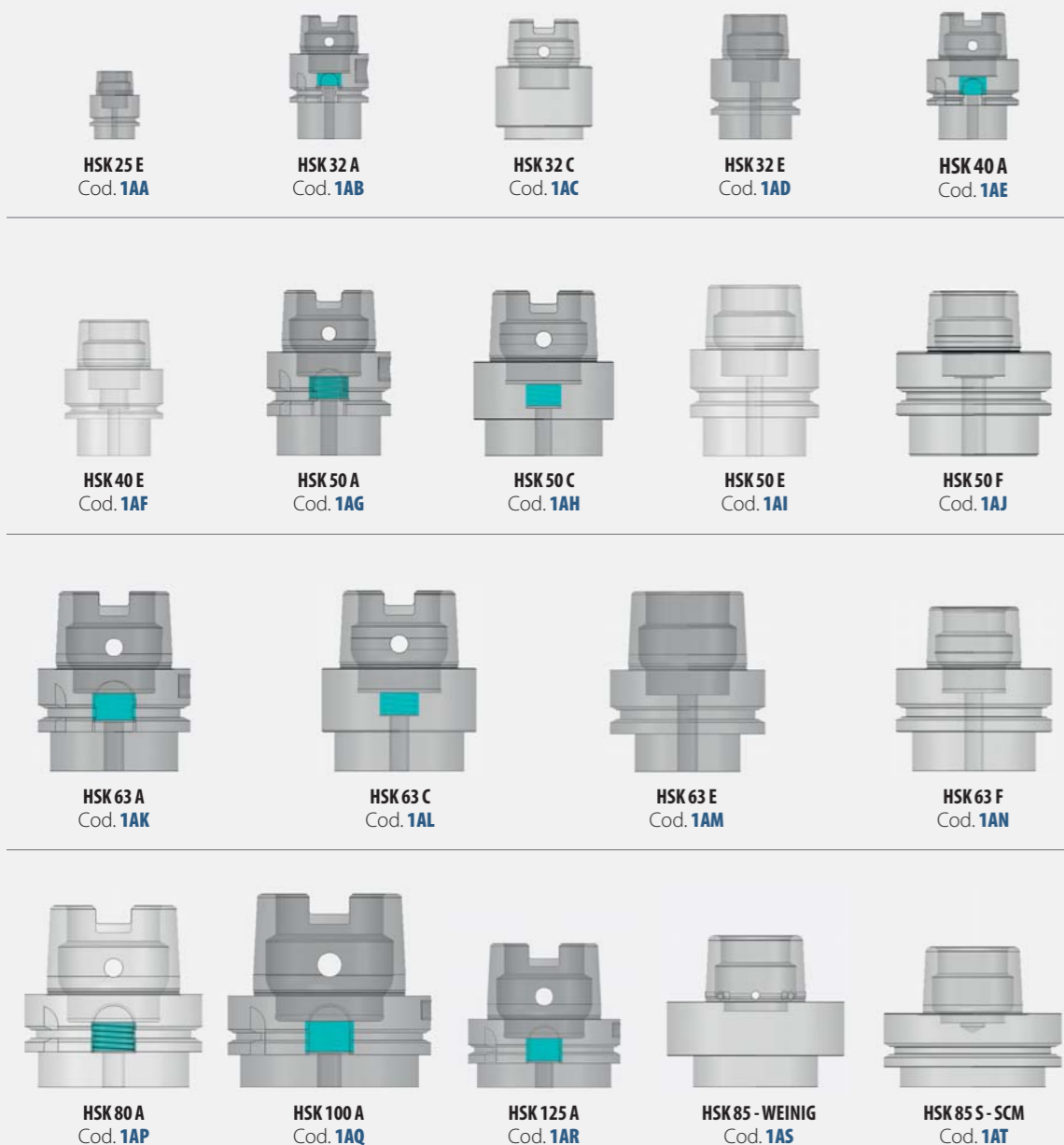


## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.

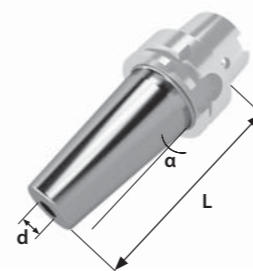


## Shrink Fit Tool Holders

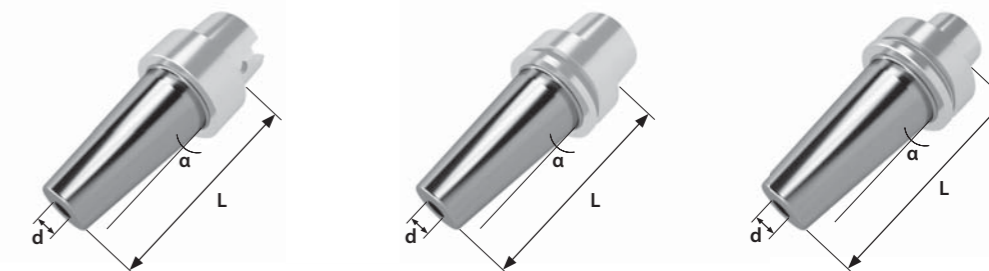
With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.



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Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B000	shrink fit tool holder	3	75	4°30'	HSK 25 E	70.000
B000	shrink fit tool holder	3	75	4°30'	HSK 32 A-E	50.000
B001	shrink fit tool holder	4	75	4°30'	HSK 25 E	70.000
B001	shrink fit tool holder	4	75	4°30'	HSK 32 A-E	50.000
B001	shrink fit tool holder	4	75	4°30'	HSK 40 A-E	24.000
B001	shrink fit tool holder	4	75	4°30'	HSK 50 A-C-E-F	24.000
B001	shrink fit tool holder	4	75	4°30'	HSK 63 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 25 E	70.000
B002	shrink fit tool holder	6	75	4°30'	HSK 32 A-E	50.000
B002	shrink fit tool holder	6	75	4°30'	HSK 40 A-E	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 50 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 63 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 80 A	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 100 A	18.000
B003	shrink fit tool holder	8	75	4°30'	HSK 50 A-C-E-F	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 63 A-C-E-F	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 80 A	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 100 A	18.000
B004	shrink fit tool holder	10	75	4°30'	HSK 50 A-C-E-F	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 63 A-C-E-F	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 80 A	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 100 A	18.000
B005	shrink fit tool holder	12	75	4°30'	HSK 63 A-C-E-F	24.000
B005	shrink fit tool holder	12	75	4°30'	HSK 80 A	24.000
B005	shrink fit tool holder	12	75	4°30'	HSK 100 A	18.000
B006	shrink fit tool holder	14	75	4°30'	HSK 63 A-C-E-F	24.000
B006	shrink fit tool holder	14	75	4°30'	HSK 80 A	24.000
B006	shrink fit tool holder	14	75	4°30'	HSK 100 A	18.000
B007	shrink fit tool holder	16	75	4°30'	HSK 63 A-C-E-F	24.000
B007	shrink fit tool holder	16	75	4°30'	HSK 80 A	24.000
B007	shrink fit tool holder	16	75	4°30'	HSK 100 A	18.000
B008	shrink fit tool holder	18	75	4°30'	HSK 63 A-C-E-F	24.000
B008	shrink fit tool holder	18	75	4°30'	HSK 80 A	24.000
B008	shrink fit tool holder	18	75	4°30'	HSK 100 A	18.000
B009	shrink fit tool holder	20	75	4°30'	HSK 63 A-C-E-F	24.000
B009	shrink fit tool holder	20	75	4°30'	HSK 80 A	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B009	shrink fit tool holder	20	75	4°30'	HSK 100 A	18.000
B009	shrink fit tool holder	20	75	4°30'	HSK 125 A	18.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 25 E	70.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 32 A-E	50.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 40 A-E	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 50 A-C-E-F	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 63 A-C-E-F	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 80 A	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 100 A	18.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 50 A-C-E-F	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 63 A-C-E-F	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 80 A	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 100 A	18.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 50 A-C-E-F	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 63 A-C-E-F	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 80 A	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 100 A	18.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 63 A-C-E-F	24.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 80 A	24.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 100 A	18.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 63 A-C-E-F	24.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 80 A	24.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 100 A	18.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 125 A	18.000
B015	shrink fit tool holder	3	90	4°30'	HSK 25 E	70.000
B015	shrink fit tool holder	3	90	4°30'	HSK 32 A-E	50.000
B016	shrink fit tool holder	4	90	4°30'	HSK 25 E	70.000

MANUFACTURING MATERIAL



## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA

HSK 32 A  
Cod. 1AB

HSK 32 C  
Cod. 1AC

HSK 32 E  
Cod. 1AD

HSK 40 A  
Cod. 1AE



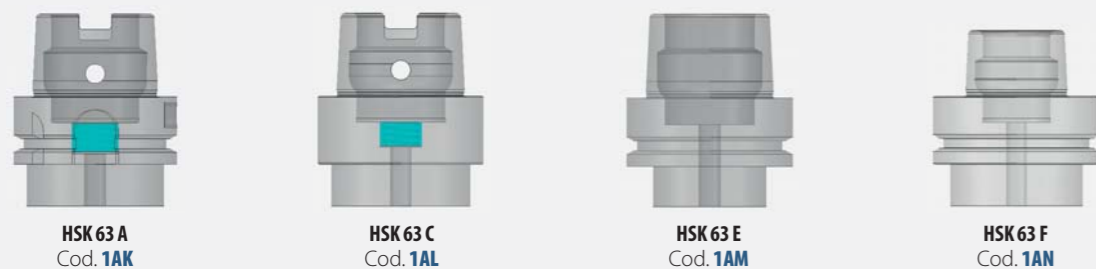
HSK 40 E  
Cod. 1AF

HSK 50 A  
Cod. 1AG

HSK 50 C  
Cod. 1AH

HSK 50 E  
Cod. 1AI

HSK 50 F  
Cod. 1AJ

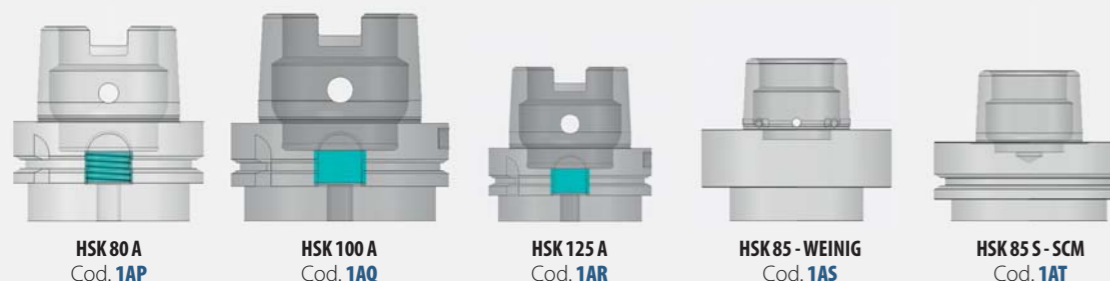


HSK 63 A  
Cod. 1AK

HSK 63 C  
Cod. 1AL

HSK 63 E  
Cod. 1AM

HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP

HSK 100 A  
Cod. 1AQ

HSK 125 A  
Cod. 1AR

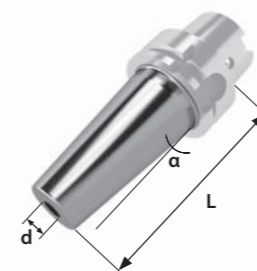
HSK 85 - WEINIG  
Cod. 1AS

HSK 85 S - SCM  
Cod. 1AT

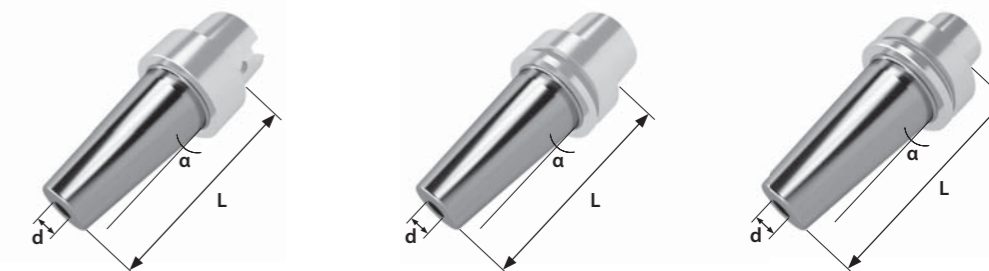
## Shrink Fit Tool Holders



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Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B016	shrink fit tool holder	4	90	4°30'	HSK 32 A-E	50.000
B016	shrink fit tool holder	4	90	4°30'	HSK 40 A-E	24.000
B016	shrink fit tool holder	4	90	4°30'	HSK 50 A-C-E-F	24.000
B016	shrink fit tool holder	4	90	4°30'	HSK 63 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 25 E	70.000
B017	shrink fit tool holder	6	90	4°30'	HSK 32 A-E	50.000
B017	shrink fit tool holder	6	90	4°30'	HSK 40 A-E	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 50 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 63 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 80 A	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 100 A	18.000
B018	shrink fit tool holder	8	90	4°30'	HSK 50 A-C-E-F	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 63 A-C-E-F	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 80 A	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 100 A	18.000
B019	shrink fit tool holder	10	90	4°30'	HSK 50 A-C-E-F	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 63 A-C-E-F	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 80 A	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 100 A	18.000
B020	shrink fit tool holder	12	90	4°30'	HSK 63 A-C-E-F	24.000
B020	shrink fit tool holder	12	90	4°30'	HSK 80 A	24.000
B020	shrink fit tool holder	12	90	4°30'	HSK 100 A	18.000
B021	shrink fit tool holder	14	90	4°30'	HSK 63 A-C-E-F	24.000
B021	shrink fit tool holder	14	90	4°30'	HSK 80 A	24.000
B021	shrink fit tool holder	14	90	4°30'	HSK 100 A	18.000
B022	shrink fit tool holder	16	90	4°30'	HSK 63 A-C-E-F	24.000
B022	shrink fit tool holder	16	90	4°30'	HSK 80 A	24.000
B022	shrink fit tool holder	16	90	4°30'	HSK 100 A	18.000
B023	shrink fit tool holder	18	90	4°30'	HSK 63 A-C-E-F	24.000
B023	shrink fit tool holder	18	90	4°30'	HSK 80 A	24.000
B023	shrink fit tool holder	18	90	4°30'	HSK 100 A	18.000
B024	shrink fit tool holder	20	90	4°30'	HSK 63 A-C-E-F	24.000
B024	shrink fit tool holder	20	90	4°30'	HSK 80 A	24.000
B024	shrink fit tool holder	20	90	4°30'	HSK 100 A	18.000
B024	shrink fit tool holder	20	90	4°30'	HSK 125 A	18.000
B025	shrink fit tool holder	25	90	4°30'	HSK 63 A-C-E-F	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B025	shrink fit tool holder	25	90	4°30'	HSK 80 A	24.000
B025	shrink fit tool holder	25	90	4°30'	HSK 100 A	18.000
B025	shrink fit tool holder	25	90	4°30'	HSK 125 A	18.000
B026	shrink fit tool holder	32	90	4°30'	HSK 63 A-C-E-F	24.000
B026	shrink fit tool holder	32	90	4°30'	HSK 80 A	24.000
B026	shrink fit tool holder	32	90	4°30'	HSK 100 A	18.000
B026	shrink fit tool holder	32	90	4°30'	HSK 125 A	18.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 25 E	70.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 32 A-E	50.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 40 A-E	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 50 A-C-E-F	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 63 A-C-E-F	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 80 A	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 100 A	18.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 50 A-C-E-F	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 63 A-C-E-F	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 80 A	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 100 A	18.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 63 A-C-E-F	24.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 80 A	24.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 100 A	18.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 125 A	18.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 63 A-C-E-F	24.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 80 A	24.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 100 A	18.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 63 A-C-E-F	24.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 80 A	24.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 100 A	18.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 125 A	18.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 63 A-C-E-F	24.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 80 A	24.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 100 A	18.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 125 A	18.000



## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA

HSK 32 A  
Cod. 1AB

HSK 32 C  
Cod. 1AC

HSK 32 E  
Cod. 1AD

HSK 40 A  
Cod. 1AE



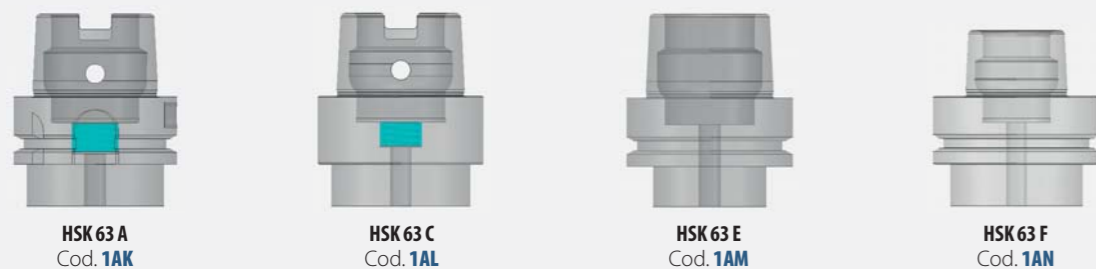
HSK 40 E  
Cod. 1AF

HSK 50 A  
Cod. 1AG

HSK 50 C  
Cod. 1AH

HSK 50 E  
Cod. 1AI

HSK 50 F  
Cod. 1AJ

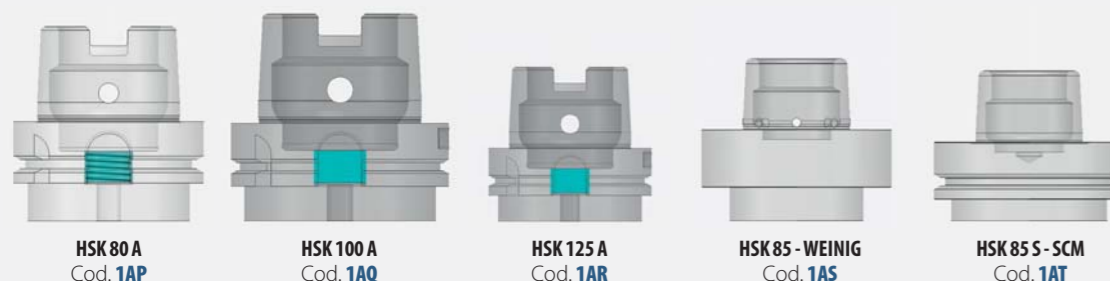


HSK 63 A  
Cod. 1AK

HSK 63 C  
Cod. 1AL

HSK 63 E  
Cod. 1AM

HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP

HSK 100 A  
Cod. 1AQ

HSK 125 A  
Cod. 1AR

HSK 85 - WEINIG  
Cod. 1AS

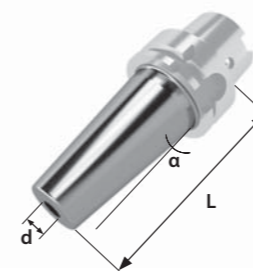
HSK 85 S - SCM  
Cod. 1AT

## Shrink Fit Tool Holders - Extended version

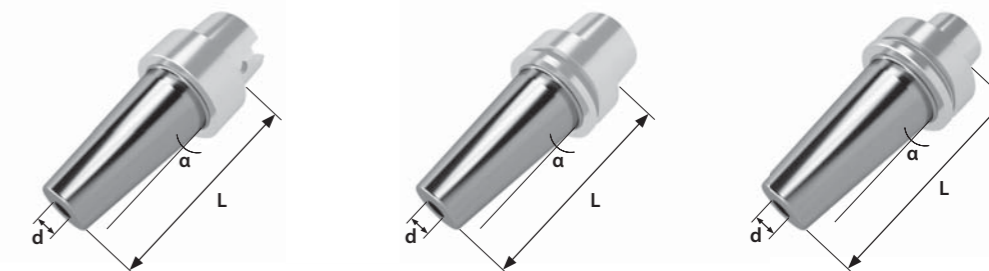
With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.



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Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C000	shrink fit tool holder	3	120	4°30'	HSK 25 E	70.000
C000	shrink fit tool holder	3	120	4°30'	HSK 32 A-E	50.000
C001	shrink fit tool holder	4	120	4°30'	HSK 32 A-E	50.000
C001	shrink fit tool holder	4	120	4°30'	HSK 40 A-E	24.000
C001	shrink fit tool holder	4	120	4°30'	HSK 50 A-C-E-F	24.000
C001	shrink fit tool holder	4	120	4°30'	HSK 63 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 25 E	70.000
C002	shrink fit tool holder	6	120	4°30'	HSK 32 A-E	50.000
C002	shrink fit tool holder	6	120	4°30'	HSK 40 A-E	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 50 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 63 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 80 A	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 100 A	18.000
C003	shrink fit tool holder	8	120	4°30'	HSK 50 A-C-E-F	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 63 A-C-E-F	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 80 A	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 100 A	18.000
C004	shrink fit tool holder	10	120	4°30'	HSK 63 A-C-E-F	24.000
C004	shrink fit tool holder	10	120	4°30'	HSK 80 A	24.000
C004	shrink fit tool holder	10	120	4°30'	HSK 100 A	18.000
C005	shrink fit tool holder	12	120	4°30'	HSK 63 A-C-E-F	24.000
C005	shrink fit tool holder	12	120	4°30'	HSK 80 A	24.000
C005	shrink fit tool holder	12	120	4°30'	HSK 100 A	18.000
C006	shrink fit tool holder	14	120	4°30'	HSK 63 A-C-E-F	24.000
C006	shrink fit tool holder	14	120	4°30'	HSK 80 A	24.000
C006	shrink fit tool holder	14	120	4°30'	HSK 100 A	18.000
C007	shrink fit tool holder	16	120	4°30'	HSK 63 A-C-E-F	24.000
C007	shrink fit tool holder	16	120	4°30'	HSK 80 A	24.000
C007	shrink fit tool holder	16	120	4°30'	HSK 100 A	18.000
C008	shrink fit tool holder	18	120	4°30'	HSK 63 A-C-E-F	24.000
C008	shrink fit tool holder	18	120	4°30'	HSK 80 A	24.000
C008	shrink fit tool holder	18	120	4°30'	HSK 100 A	18.000
C009	shrink fit tool holder	20	120	4°30'	HSK 63 A-C-E-F	24.000
C009	shrink fit tool holder	20	120	4°30'	HSK 80 A	24.000
C009	shrink fit tool holder	20	120	4°30'	HSK 100 A	18.000
C009	shrink fit tool holder	20	120	4°30'	HSK 125 A	18.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C010	shrink fit tool holder	25	120	4°30'	HSK 63 A-C-E-F	24.000
C010	shrink fit tool holder	25	120	4°30'	HSK 80 A	24.000
C010	shrink fit tool holder	25	120	4°30'	HSK 100 A	18.000
C010	shrink fit tool holder	25	120	4°30'	HSK 125 A	18.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 25 E	70.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 32 A-E	50.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 40 A-E	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 50 A-C-E-F	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 63 A-C-E-F	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 80 A	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 100 A	18.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 50 A-C-E-F	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 63 A-C-E-F	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 80 A	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 100 A	18.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 63 A-C-E-F	24.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 80 A	24.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 100 A	18.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 125 A	18.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 63 A-C-E-F	24.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 80 A	24.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 100 A	18.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 63 A-C-E-F	24.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 80 A	24.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 100 A	18.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 125 A	18.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 63 A-C-E-F	24.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 80 A	24.000

MANUFACTURING MATERIAL

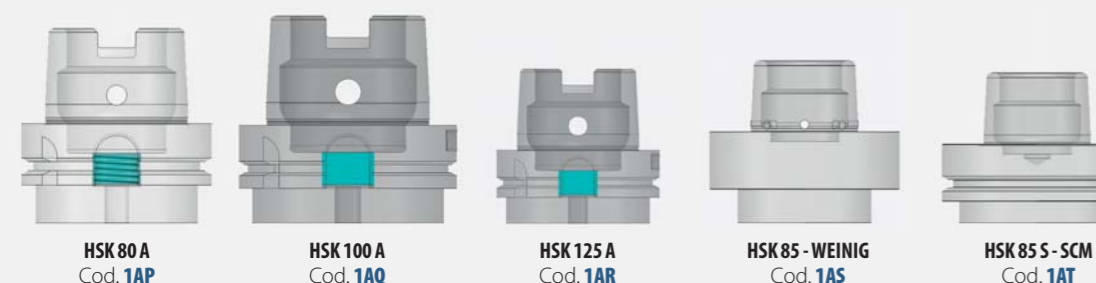


## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



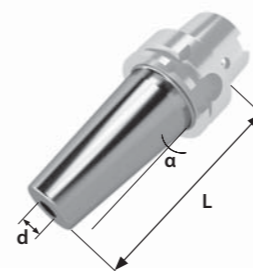
\*See page 69 for the complete list of DIN manufacturing rules.



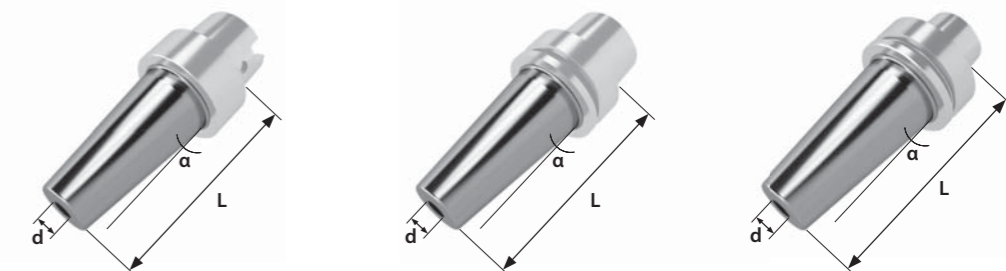
## Shrink Fit Tool Holders - Extended version



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Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C016	shrink fit tool holder	1"	120	4°30'	HSK 100 A	18.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 125 A	18.000
C017	shrink fit tool holder	3	160	4°30'	HSK 25 E	70.000
C017	shrink fit tool holder	3	160	4°30'	HSK 32 A-E	50.000
C018	shrink fit tool holder	4	160	4°30'	HSK 32 A-E	50.000
C018	shrink fit tool holder	4	160	4°30'	HSK 40 A-E	24.000
C018	shrink fit tool holder	4	160	4°30'	HSK 50 A-C-E-F	24.000
C018	shrink fit tool holder	4	160	4°30'	HSK 63 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 50 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 63 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 80 A	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 100 A	18.000
C020	shrink fit tool holder	8	160	4°30'	HSK 50 A-C-E-F	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 63 A-C-E-F	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 80 A	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 100 A	18.000
C021	shrink fit tool holder	10	160	4°30'	HSK 63 A-C-E-F	24.000
C021	shrink fit tool holder	10	160	4°30'	HSK 80 A	24.000
C021	shrink fit tool holder	10	160	4°30'	HSK 100 A	18.000
C022	shrink fit tool holder	12	160	4°30'	HSK 63 A-C-E-F	24.000
C022	shrink fit tool holder	12	160	4°30'	HSK 80 A	24.000
C022	shrink fit tool holder	12	160	4°30'	HSK 100 A	18.000
C023	shrink fit tool holder	14	160	4°30'	HSK 63 A-C-E-F	24.000
C023	shrink fit tool holder	14	160	4°30'	HSK 80 A	24.000
C023	shrink fit tool holder	14	160	4°30'	HSK 100 A	18.000
C024	shrink fit tool holder	16	160	4°30'	HSK 63 A-C-E-F	24.000
C024	shrink fit tool holder	16	160	4°30'	HSK 80 A	24.000
C024	shrink fit tool holder	16	160	4°30'	HSK 100 A	18.000
C025	shrink fit tool holder	18	160	4°30'	HSK 63 A-C-E-F	24.000
C025	shrink fit tool holder	18	160	4°30'	HSK 80 A	24.000
C025	shrink fit tool holder	18	160	4°30'	HSK 100 A	18.000
C026	shrink fit tool holder	20	160	4°30'	HSK 63 A-C-E-F	24.000
C026	shrink fit tool holder	20	160	4°30'	HSK 80 A	24.000
C026	shrink fit tool holder	20	160	4°30'	HSK 100 A	18.000
C027	shrink fit tool holder	25	160	4°30'	HSK 63 A-C-E-F	24.000
C027	shrink fit tool holder	25	160	4°30'	HSK 80 A	24.000



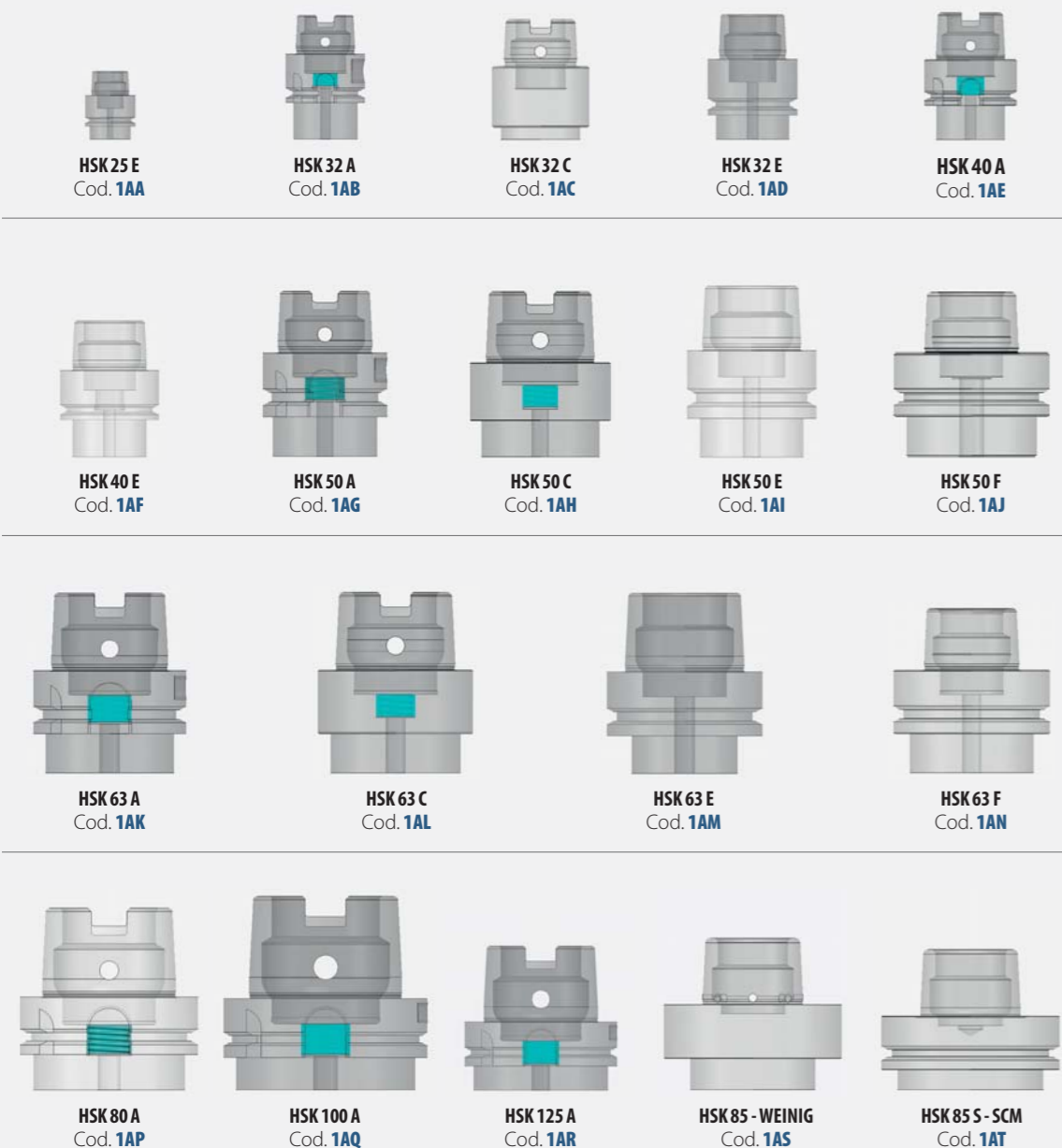
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C027	shrink fit tool holder	25	160	4°30'	HSK 100 A	18.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 25 E	70.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 32 A-E	50.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 40 A-E	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 50 A-C-E-F	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 63 A-C-E-F	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 80 A	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 100 A	18.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 50 A-C-E-F	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 63 A-C-E-F	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 80 A	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 100 A	18.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 63 A-C-E-F	24.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 80 A	24.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 100 A	18.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 63 A-C-E-F	24.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 80 A	24.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 100 A	18.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 63 A-C-E-F	24.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 80 A	24.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 100 A	18.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 63 A-C-E-F	24.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 80 A	24.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 100 A	18.000

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.

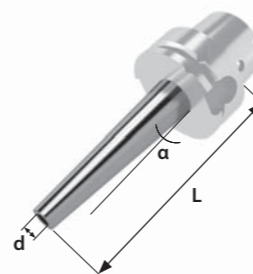


\*See page 69 for the complete list of DIN manufacturing rules.

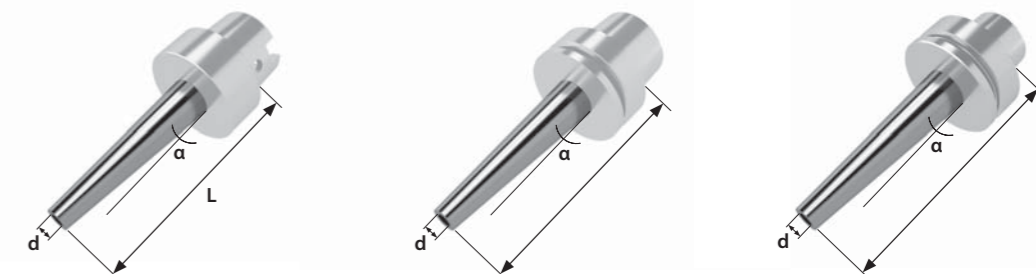


## Shrink Fit Tool Holders - Slim version

The narrow body of the shrink fit tool holder "Slim" are ideal for deep precision milling operations.

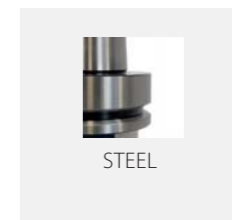


Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D000	shrink fit tool holder - slim version	3	75	3°	HSK 25 E	70.000
D000	shrink fit tool holder - slim version	3	75	3°	HSK 32 A-E	50.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 25 E	70.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 32 A-E	50.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 40 A-E	24.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 50 A-E-F	24.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 63 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 25 E	70.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 32 A-E	50.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 40 A-E	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 50 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 63 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 80 A	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 100 A	18.000
D003	shrink fit tool holder - slim version	3	90	3°	HSK 25 E	70.000
D003	shrink fit tool holder - slim version	3	90	3°	HSK 32 A-E	50.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 25 E	70.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 32 A-E	50.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 40 A-E	24.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 50 A-E-F	24.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 63 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 25 E	70.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 32 A-E	50.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 40 A-E	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 50 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 63 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 80 A	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 100 A	18.000
D006	shrink fit tool holder - slim version	3	120	3°	HSK 25 E	70.000
D006	shrink fit tool holder - slim version	3	120	3°	HSK 32 A-E	50.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D007	shrink fit tool holder - slim version	4	120	3°	HSK 32 A-E	50.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 40 A-E	24.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 50 A-E-F	24.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 63 A-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 25 E	70.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 32 A-E	50.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 40 A-E	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 50 A-C-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 63 A-C-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 80 A	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 100 A	18.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 50 A-C-E-F	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 63 A-C-E-F	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 80 A	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 100 A	18.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 63 A-C-E-F	24.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 80 A	24.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 100 A	18.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 63 A-C-E-F	24.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 80 A	24.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 100 A	18.000
D012	shrink fit tool holder - slim version	14	120	3°	HSK 63 A-C-E-F	24.000
D012	shrink fit tool holder - slim version	14	120	3°	HSK 80 A	24.000

MANUFACTURING MATERIAL

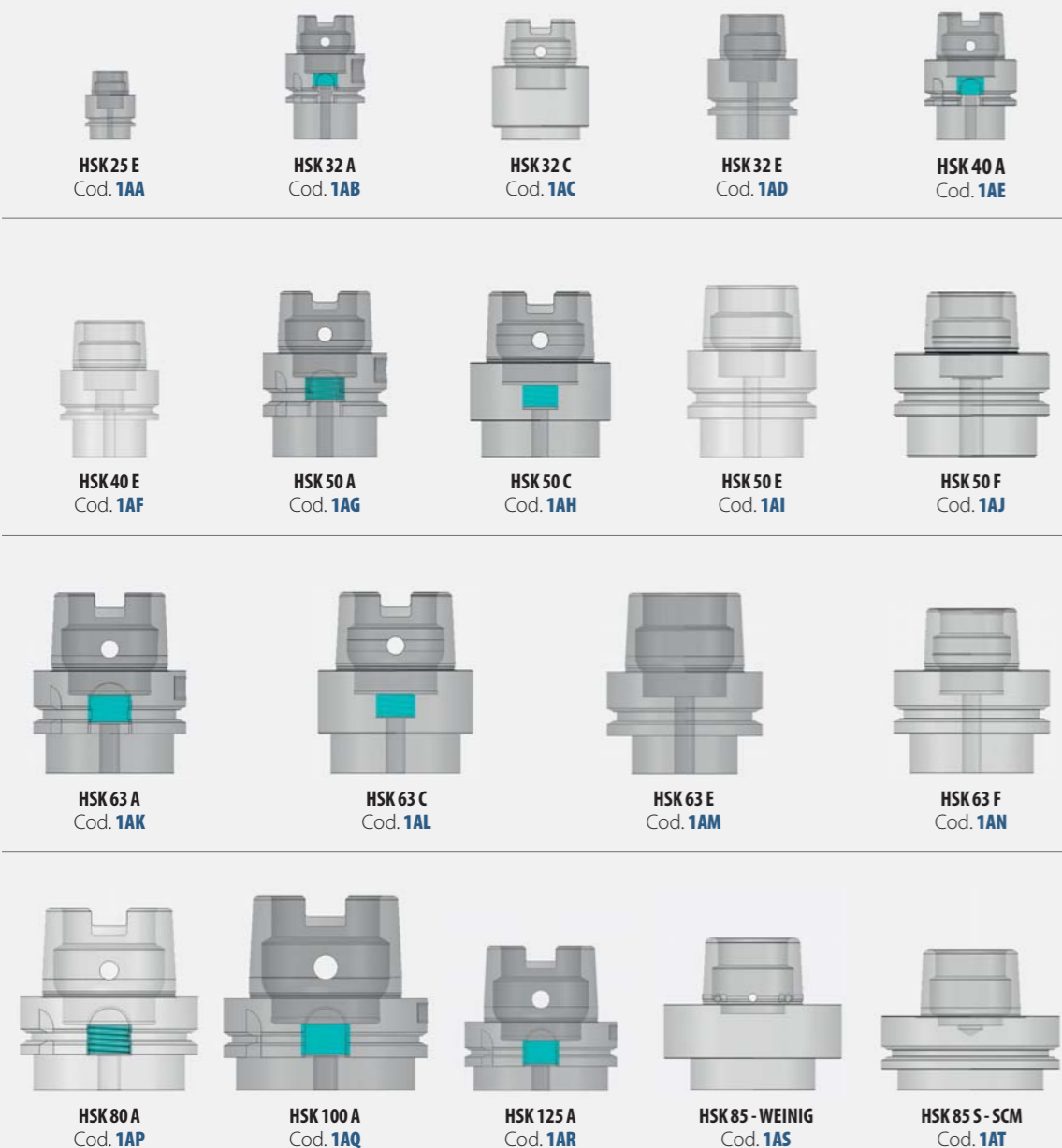


Part codes for available HSK CONNECTIONS\*

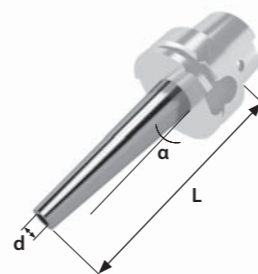
To configure your toolholder you need to choose one of the following connections first.



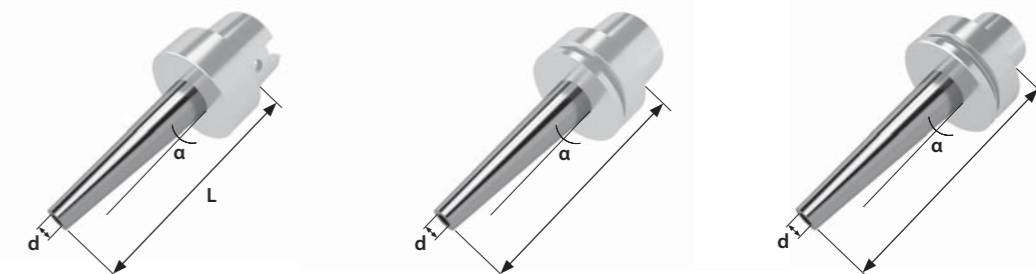
\*See page 69 for the complete list of DIN manufacturing rules.



Shrink Fit Tool Holders - Slim version



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D012	shrink fit tool holder - slim version	14	120	3°	HSK 100 A	18.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 63 A-C-E-F	24.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 80 A	24.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 100 A	18.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 63 A-C-E-F	24.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 80 A	24.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 100 A	18.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 63 A-C-E-F	24.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 80 A	24.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 100 A	18.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 63 A-C-E-F	24.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 80 A	24.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 100 A	18.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 25 E	70.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 32 A-E	50.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 40 A-E	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 50 A-E-F	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 63 A-C-E-F	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 80 A	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 100 A	18.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 50 A-C-E-F	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 63 A-C-E-F	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 80 A	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 100 A	18.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 63 A-C-E-F	24.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 80 A	24.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 100 A	18.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 63 A-C-E-F	24.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 80 A	24.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 100 A	18.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 63 A-C-E-F	24.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 80 A	24.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 100 A	18.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 125 A	18.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 63 A-C-E-F	24.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 80 A	24.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 100 A	18.000
D023	shrink fit tool holder - slim version	3	160	3°	HSK 25 E	70.000
D023	shrink fit tool holder - slim version	3	160	3°	HSK 32 A-E	50.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 32 A-E	50.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 40 A-E	24.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 50 A-C-E-F	24.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 63 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 50 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 63 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 80 A	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 100 A	18.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 50 A-C-E-F	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 63 A-C-E-F	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 80 A	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 100 A	18.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 63 A-C-E-F	24.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 80 A	24.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 100 A	18.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 63 A-C-E-F	24.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 80 A	24.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 100 A	18.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 63 A-C-E-F	24.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 80 A	24.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 100 A	18.000

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



**HSK 25 E**  
Cod. **1AA**



**HSK 32 A**  
Cod. **1AB**



**HSK 32 C**  
Cod. **1AC**



**HSK 32 E**  
Cod. **1AD**



**HSK 40 A**  
Cod. **1AE**



**HSK 40 E**  
Cod. **1AF**



**HSK 50 A**  
Cod. **1AG**



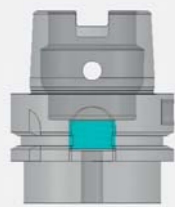
**HSK 50 C**  
Cod. **1AH**



**HSK 50 E**  
Cod. **1AI**



**HSK 50 F**  
Cod. **1AJ**



**HSK 63 A**  
Cod. **1AK**



**HSK 63 C**  
Cod. **1AL**



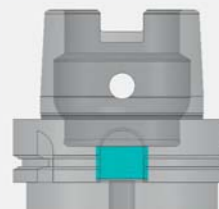
**HSK 63 E**  
Cod. **1AM**



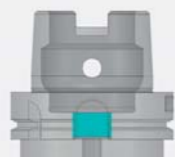
**HSK 63 F**  
Cod. **1AN**



**HSK 80 A**  
Cod. **1AQ**



**HSK 100 A**  
Cod. **1AR**



**HSK 125 A**  
Cod. **1AS**



**HSK 85 - WEINIG**  
Cod. **1AT**

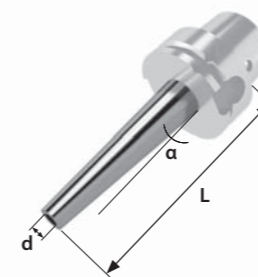


**HSK 85 S - SCM**  
Cod. **1AT**

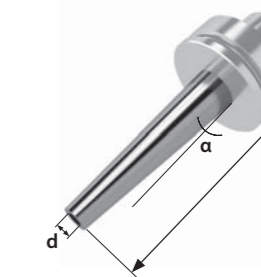
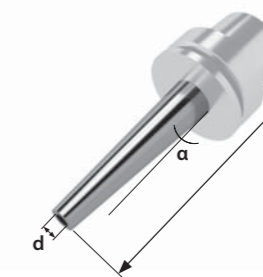
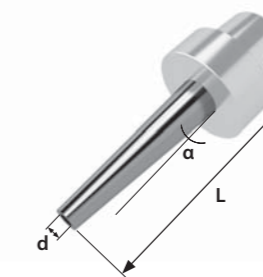
## Shrink Fit Tool Holders - Slim version



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Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D030	shrink fit tool holder - slim version	16	160	3°	HSK 63 A-C-E-F	24.000
D030	shrink fit tool holder - slim version	16	160	3°	HSK 80 A	24.000
D030	shrink fit tool holder - slim version	16	160	3°	HSK 100 A	18.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 63 A-C-E-F	24.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 80 A	24.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 100 A	18.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 63 A-C-E-F	24.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 80 A	24.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 100 A	18.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 63 A-C-E-F	24.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 80 A	24.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 100 A	18.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 25 E	70.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 32 A-E	50.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 40 A-E	24.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 50 A-C-E-F	24.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 63 A-C-E-F	24.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 80 A	24.000
D034	shrink fit tool holder - slim version	1/4"	160	3°	HSK 100 A	18.000
D035	shrink fit tool holder - slim version	3/8"	160	3°	HSK 50 A-C-E-F	24.000
D035	shrink fit tool holder - slim version	3/8"	160	3°	HSK 63 A-C-E-F	24.000
D035	shrink fit tool holder - slim version	3/8"	160	3°	HSK 80 A	24.000
D035	shrink fit tool holder - slim version	3/8"	160	3°	HSK 100 A	18.000
D036	shrink fit tool holder - slim version	1/2"	160	3°	HSK 63 A-C-E-F	24.000
D036	shrink fit tool holder - slim version	1/2"	160	3°	HSK 80 A	24.000
D036	shrink fit tool holder - slim version	1/2"	160	3°	HSK 100 A	18.000
D037	shrink fit tool holder - slim version	5/8"	160	3°	HSK 63 A-C-E-F	24.000
D037	shrink fit tool holder - slim version	5/8"	160	3°	HSK 80 A	24.000
D037	shrink fit tool holder - slim version	5/8"	160	3°	HSK 100 A	18.000
D038	shrink fit tool holder - slim version	3/4"	160	3°	HSK 25 E	70.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D038	shrink fit tool holder - slim version	3/4"	160	3°	HSK 63 A-C-E-F	24.000
D038	shrink fit tool holder - slim version	3/4"	160	3°	HSK 80 A	24.000
D038	shrink fit tool holder - slim version	3/4"	160	3°	HSK 100 A	18.000
D039	shrink fit tool holder - slim version	1"	160	3°	HSK 63 A-C-E-F	24.000
D039	shrink fit tool holder - slim version	1"	160	3°	HSK 80 A	24.000
D039	shrink fit tool holder - slim version	1"	160	3°	HSK 100 A	18.000

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AA



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



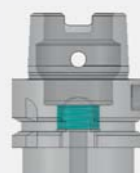
HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



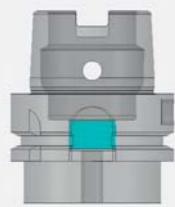
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



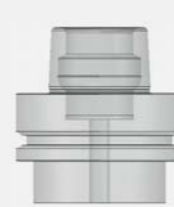
HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



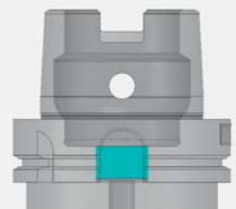
HSK 63 E  
Cod. 1AM



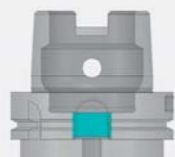
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AP



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



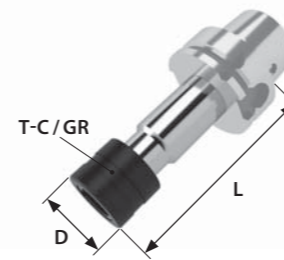
HSK 85 - WEINIG  
Cod. 1AS



HSK 85 S - SCM  
Cod. 1AT

## Tap holders

Tap tools preferred clamping systems, for precise threading operations.

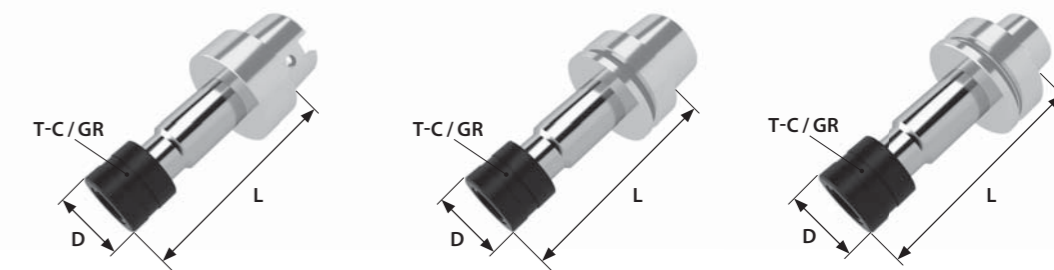


Part code	Description	D	L	T-C	GR	Connection	Balancing (RPM)
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 40 A-E	24.000
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 50 A-C-E	24.000
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 63 A-C-E-F	24.000
AX01	tap holder double compensation	50	110	15-8	GR2	HSK 63 A-C-E-F	24.000
AX02	tap holder double compensation	32	110	7-5	GR1	HSK 80 A	24.000
AX02	tap holder double compensation	50	110	15-8	GR2	HSK 80 A	24.000
AX02	tap holder double compensation	72	120	25-10	GR3	HSK 80 A	24.000
AX03	tap holder double compensation	50	110	15-8	GR2	HSK 100 A	18.000
AX03	tap holder double compensation	72	120	25-10	GR3	HSK 100 A	18.000
AX04	tap holder double compensation	92	200	25-10	GR4	HSK 100 A	18.000

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## Tapping specs



Tool Shaft	Standard DIN 352	Incr. DIN 371	Standard DIN 376	Standard ISO	Increased ISO	Tap Collet style
3.00x2.40	-	-	-	M 4.0	M 3.30	0
3.50x2.80	-	-	-	M 4.5	M 3.5	0-1
4.00x3.15	M 3.5	M 3.5	-	M 5.0	M 4.4	0-1
4.50x3.40	M 4.0	M 4.0	M 6.0	-	-	0-1
6.00x4.90	M 5.0	M 5.0	-	-	-	0-1-2
6.00x4.90	M 6.0	M 6.0	-	-	-	0-1-2
6.00x4.90	M 8.0	-	M 8.0	-	-	0-1-2
7.00x5.50	M 10.0	-	M 10.0	-	-	0-1-2
8.00x6.20	-	M 8.0	-	M 10.0	M 8.0	0-1-2
9.00x7.00	M 12.0	-	M 12.0	M 12.0	-	1-2
10.00x8.00	-	M 10.0	-	-	M 10.0	1-2
11.00x9.00	M 14.0	-	M 14.0	-	-	1-2-3
12.00x9.00	M 16.0	-	M 16.0	-	-	1-2-3
14.00x11.00	M 18.0	-	M 18.0	-	-	2-3
16.00x12.00	M 20.0	-	M 20.0	-	-	2-3
16.00x12.50	-	-	-	M 22.0	-	2-3
18.00x14.00	-	-	-	M 24.0	-	2-3
18.00x14.50	M 22.0	-	M 22.0	-	-	2-3
18.00x14.50	M 24.0	-	M 24.0	-	-	2-3
20.00x16.00	M 27.0	-	M 27.0	M 27.0	-	2-3
20.00x16.00	-	-	-	M 30.0	-	2-3
22.00x18.00	M 30.0	-	M 30.0	-	-	2-3
25.00x20.00	M 33.0	-	M 33.0	M 36.0	-	3
28.00x22.00	M 36.0	-	M 36.0	-	-	3
32.00x24.00	M 39.0	-	M 39.0	-	-	3
32.00x24.00	M 42.0	-	M 42.0	-	-	3
36.00x29.00	M 45.0	-	M 45.0	-	-	3
36.00x29.00	M 48.0	-	M 48.0	-	-	3

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



**HSK 25 E**  
Cod. **1AA**



**HSK 32 A**  
Cod. **1AB**



**HSK 32 C**  
Cod. **1AC**



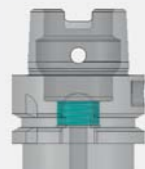
**HSK 32 E**  
Cod. **1AD**



**HSK 40 A**  
Cod. **1AE**



**HSK 40 E**  
Cod. **1AF**



**HSK 50 A**  
Cod. **1AG**



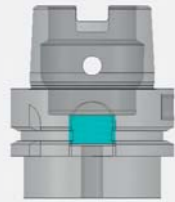
**HSK 50 C**  
Cod. **1AH**



**HSK 50 E**  
Cod. **1AI**



**HSK 50 F**  
Cod. **1AJ**



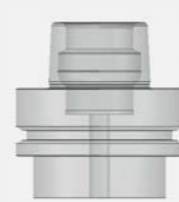
**HSK 63 A**  
Cod. **1AK**



**HSK 63 C**  
Cod. **1AL**



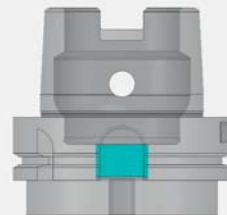
**HSK 63 E**  
Cod. **1AM**



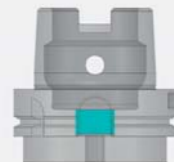
**HSK 63 F**  
Cod. **1AN**



**HSK 80 A**  
Cod. **1AQ**



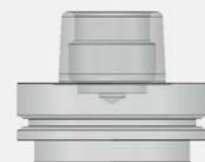
**HSK 100 A**  
Cod. **1AR**



**HSK 125 A**  
Cod. **1AS**



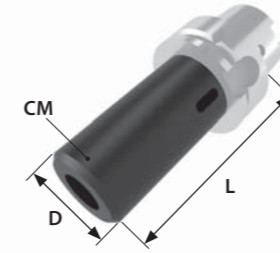
**HSK 85 - WEINIG**  
Cod. **1AT**



**HSK 85 - SCM**  
Cod. **1AT**

## Morse Cone Reductions DIN 228

Reduction system for the use of bits and mills in lathes and machines equipped with morse cones.



Part code	Description	D	L	CM	Connection	Balancing (RPM)
AY00	morse cone reduction	35	110	1 P+F	HSK 40 A-E	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 40 A-E	24.000
AY02	morse cone reduction	35	90	1 P+F	HSK 50 A-F	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 63 A-E-F	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 50 A-F	24.000
AY03	morse cone reduction	42	140	3 P+F	HSK 80 A	24.000
AY03	morse cone reduction	42	140	3 P+F	HSK 100 A	18.000
AY04	morse cone reduction	42	160	3 P+F	HSK 63 A-E-F	24.000
AY05	morse cone reduction	52	160	4 P+F	HSK 80 A	24.000
AY05	morse cone reduction	52	160	4 P+F	HSK 100 A	18.000
AY06	morse cone reduction	70	200	5 P+F	HSK 100 A	18.000
AY06	morse cone reduction	70	200	5 P+F	HSK 125 A	18.000



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STEEL

## Part codes for available HSK CONNECTIONS\*

To configure your toolholder you need to choose one of the following connections first.



\*See page 69 for the complete list of DIN manufacturing rules.



HSK 25 E  
Cod. 1AB



HSK 32 A  
Cod. 1AB



HSK 32 C  
Cod. 1AC



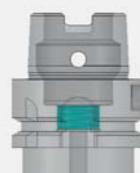
HSK 32 E  
Cod. 1AD



HSK 40 A  
Cod. 1AE



HSK 40 E  
Cod. 1AF



HSK 50 A  
Cod. 1AG



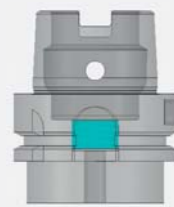
HSK 50 C  
Cod. 1AH



HSK 50 E  
Cod. 1AI



HSK 50 F  
Cod. 1AJ



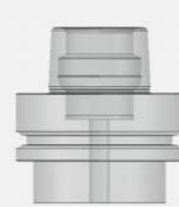
HSK 63 A  
Cod. 1AK



HSK 63 C  
Cod. 1AL



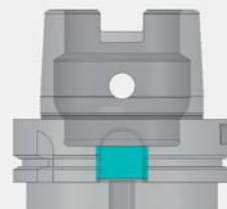
HSK 63 E  
Cod. 1AM



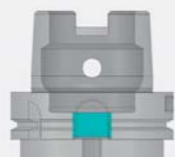
HSK 63 F  
Cod. 1AN



HSK 80 A  
Cod. 1AQ



HSK 100 A  
Cod. 1AQ



HSK 125 A  
Cod. 1AR



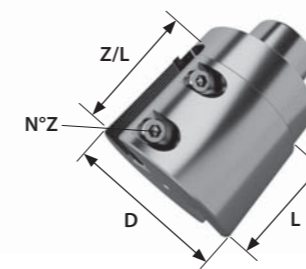
HSK 85 - WEINIG  
Cod. 1AS



HSK 85 S - SCM  
Cod. 1AT

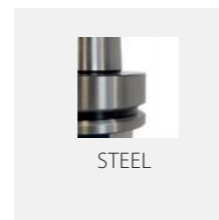
## Knives Arbors for Weing

Two or four knives holding system for grinding of soft materials.



Part code	Description	D	N°Z	L	Z/L	M	Connection	Balancing (RPM)
AW00	knives arbor for Weing	90	2	100	8 x 90	M8	HSK 85 W	24.000
AW01	knives arbor for Weing	90	2	150	8 x 140	M8	HSK 85 W	24.000
AW02	knives arbor for Weing	90	4	150	8 x 140	M8	HSK 85 W	24.000
AW03	knives arbor for Weing	90	4	200	8 x 180	M8	HSK 85 W	24.000

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## Manufacturing International Standards

Summary of manufacturing standards observed for the production of the tool holders included in this catalogue.

### MACHINE CONNECTION STANDARDS

Machine connection	Standards
HSK	DIN 69893 (style A C E F)
SK	DIN 69871/A - DIN 69871/A/B - DIN 69871
SK dual contact	ISO 7388.1 - DIN 69871
BT	MAS 403/A - MAS/BT 403 (style A/B)
BT dual contact	MAS/BT 403
CAT	B 5.50

### TOOL HOLDING STANDARDS

Tool holding system	Standards
ER Collet Chucks	DIN 6499 - DIN 15488
EOC Collet Chucks	DIN 6388
End Mill Holders	DIN 1835/B
Face Mill Holders	DIN 6357
Morse Cone Reductions	DIN 228
Collet Chucks Extensions	DIN 1835/A

### PULL STUDS STANDARDS

DIN 69872/B - DIN 7388/A - DIN 7388/B - ANSI - MAS 403 BT - JIS - B - 6339

### MACHINE CONNECTION STANDARDS NOT INCLUDED IN THIS CATALOGUE BUT AVAILABLE UPON REQUEST

DIN 2080 - HSK DIN 69893 B/D/R/T - VDI 2814