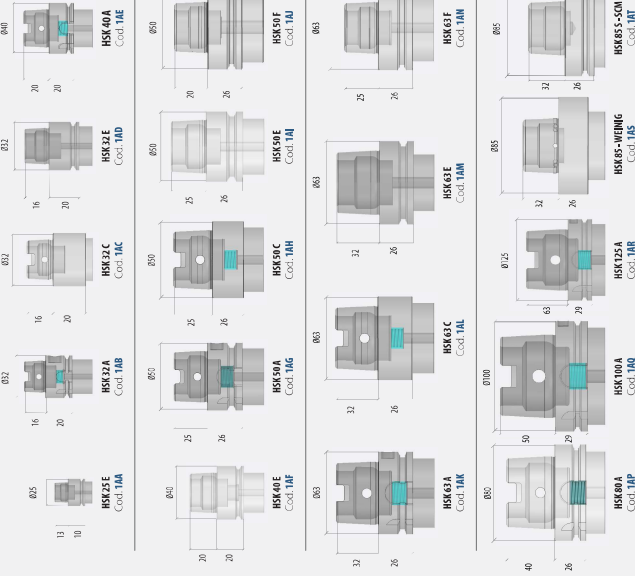


Part codes for available HSK CONNECTIONS*

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

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



HSK TOOL HOLDERS DIN 69893

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 min nut RH	ER 16	22	46	HSK 25 E	70.000
AA04	collet chuck with min nut RH	ER 16	22	50	HSK 32 A-CE	50.000
AA05	collet chuck with min nut RH	ER 16	22	60	HSK 40 E	24.000
AA05	collet chuck with min 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 min nut RH	ER 20	28	60	HSK 32 A-CE	50.000
AA07	collet chuck with min nut RH	ER 20	28	60	HSK 40 A-E	24.000
AA07	collet chuck with min nut RH	ER 20	28	60	HSK 50 A-E	24.000
AA07	collet chuck with min 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 min nut RH	ER 25	35	72,5	HSK 32 A-CE	50.000
AA10	collet chuck with min nut RH	ER 25	35	60	HSK 40 A-E	24.000
AA09	collet chuck with min nut RH	ER 25	35	72,5	HSK 50 A-E	24.000
AA09	collet chuck with min 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

PARTS OF YOUR BUSINESS



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



• MANUFACTURING MATERIAL • OPTIONAL MATERIAL • OPTIONAL FINISHES*

STEEL
Cod. A1

STAINLESS STEEL
Cod. A1

ENDURANCE
Cod. Z2

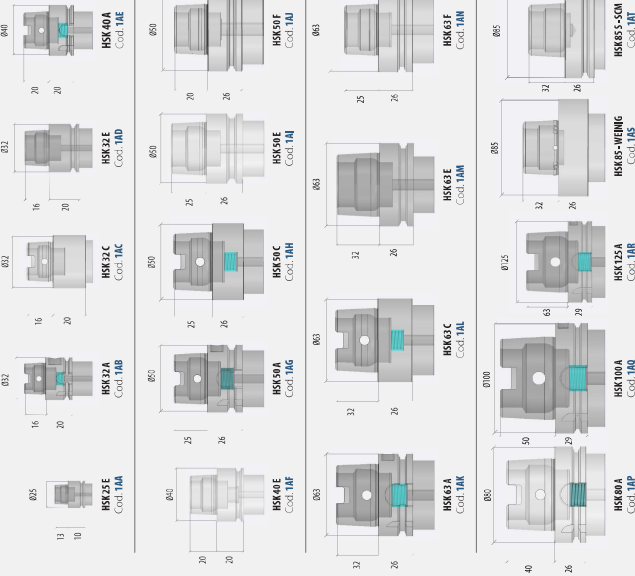
NICKEL
Cod. Z3

*By choosing optional material, 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 HSK manufacturing rules.



HSK TOOL HOLDERS DIN 69893

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.



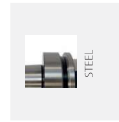
Partcode	Description	ER	D	L	Connection	Balancing (RPM)
AB03	collet chuck with min nut LH	ER 16	22	46	HSK 25E	70.000
AB04	collet chuck with min nut LH	ER 16	22	50	HSK 32A-CE	50.000
AB05	collet chuck with min nut LH	ER 16	22	60	HSK 40E	24.000
AB05	collet chuck with min nut LH	ER 16	22	60	HSK 63A-E-F	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 40E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 50E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 63E-F	24.000
AB07	collet chuck with min nut LH	ER 20	28	60	HSK 32A-CE	50.000
AB07	collet chuck with min nut LH	ER 20	28	60	HSK 40A-E	24.000
AB07	collet chuck with min nut LH	ER 20	28	60	HSK 50A-E	24.000
AB07	collet chuck with min nut LH	ER 20	28	60	HSK 63A-E-F	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 50E	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 63A-E-F	24.000
AB09	collet chuck with min nut LH	ER 25	35	72,5	HSK 32A-CE	50.000
AB10	collet chuck with min nut LH	ER 25	35	60	HSK 40A-E	24.000
AB09	collet chuck with min nut LH	ER 25	35	72,5	HSK 50A-E	24.000
AB09	collet chuck with min nut LH	ER 25	35	72,5	HSK 63A-E-F	24.000
AB11	collet chuck with nut LH	ER 25	40	60	HSK 40A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 50A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 63A-E-F	24.000
AB13	collet chuck with nut LH	ER 32	50	60	HSK 40A-E	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 50A-E-F	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 63A-E-F	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 63A-E-F	24.000

PARTS OF YOUR BUSINESS



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

MANUFACTURING MATERIAL **OPTIONAL MATERIAL** **OPTIONAL FINISHES***

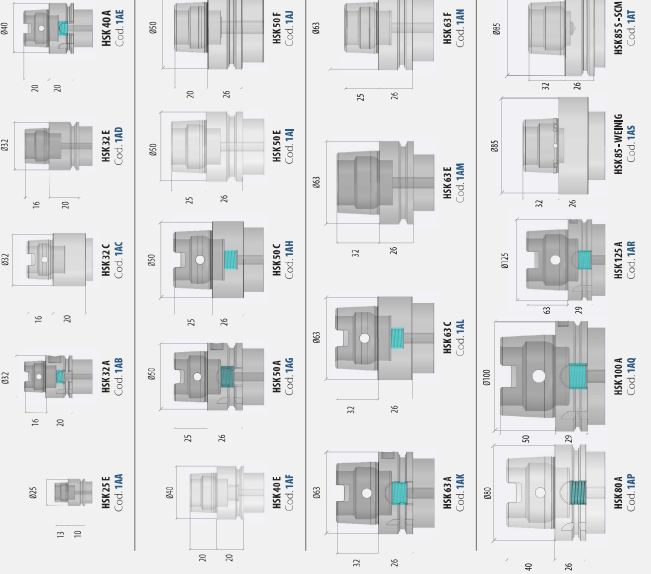


*By choosing optional material, the specific hardness is given.

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 HSK manufacturing rules.



HSK TOOL HOLDERS DIN 69893

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.



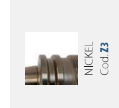
Partcode	Description	ER	D	L1	Connection	Balancing (RPM)
AC03	collet chuck without nut RH	ER 16	22	35	HSK 25 E	70.000
AC04	collet chuck without mini nut RH	ER 16	22	40	HSK 32 A-CE	50.000
AC05	collet chuck without mini nut RH	ER 16	22	50	HSK 40 E	24.000
AC05	collet chuck without mini nut RH	ER 16	22	50	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-CE	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-CE	50.000
AC10	collet chuck without mini nut RH	ER 25	35	68,5	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	68,5	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

PARTS OF YOUR BUSINESS



Partcode	Description	ER	D	L1	Connection	Balancing (RPM)
ACT5	collet chuck without nut RH	ER 32	50	87,5	HSK 80 A	24.000
ACT5	collet chuck without nut RH	ER 32	50	87,5	HSK 100 A	18.000
ACT6	collet chuck without nut RH	ER 32	50	107,5	HSK 125 A	18.000
ACT7	collet chuck without nut RH	ER 32	50	147,5	HSK 63 A-E-F	24.000
ACT7	collet chuck without nut RH	ER 32	50	147,5	HSK 80 A	24.000
ACT7	collet chuck without nut RH	ER 32	50	147,5	HSK 100 A	18.000
ACT8	collet chuck without nut RH	ER 40	50	62	HSK 50 A-E	24.000
ACT8	collet chuck without nut RH	ER 40	50	62	HSK 63 A-E-F	24.000
ACT9	collet chuck without nut RH	ER 40	50	85,5	HSK 63 A-E-F	24.000
ACT9	collet chuck without nut RH	ER 40	50	85,5	HSK 80 A	24.000
ACT9	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	165,5	HSK 63 A-E-F	24.000
AC21	collet chuck without nut RH	ER 40	50	165,5	HSK 80 A	24.000
AC21	collet chuck without nut RH	ER 40	50	165,5	HSK 100 A	18.000
AC22	collet chuck without nut RH	ER 50	68	109	HSK 125 A	18.000

OPTIONAL FINISHES*

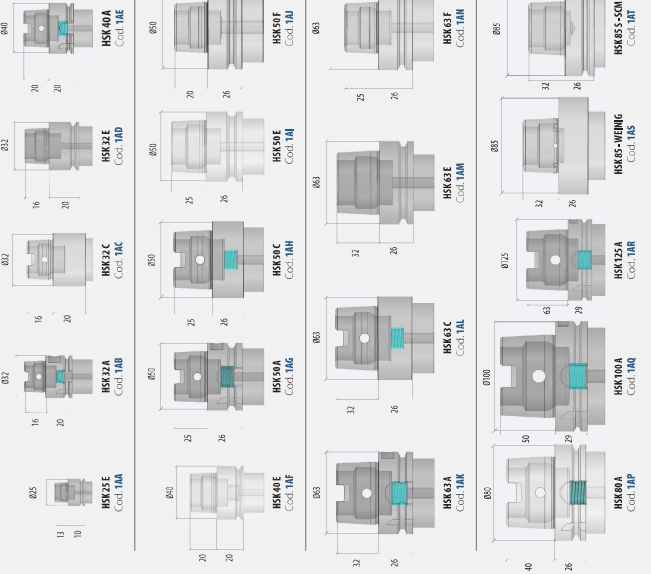


*By choosing optional material, the specific hardness is given.

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 HSK manufacturing codes.



HSK TOOL HOLDERS DIN 69893

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.



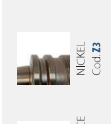
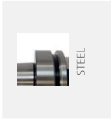
Partcode	Description	ER	D	L1	Connection	Balancing (RPM)
AD03	collet chuck without mini nut LH	ER 16	22	35	HSK 25 E	70.000
AD04	collet chuck without mini nut LH	ER 16	22	40	HSK 32 A-CE	50.000
AD05	collet chuck without mini nut LH	ER 16	22	50	HSK 40 E	24.000
AD05	collet chuck without mini nut LH	ER 16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

PARTS OF YOUR BUSINESS



Partcode	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	18.000
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

OPTIONAL FINISHES*



*By choosing optional material, the specific hardness is given.