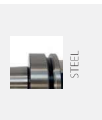


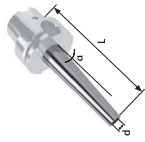
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D007	shrink fit tool holder - dimension 4	4	120	3°	HSK32A-E	50.000
D007	shrink fit tool holder - dimension 4	4	120	3°	HSK40A-E	24.000
D007	shrink fit tool holder - dimension 4	4	120	3°	HSK50A-E-F	24.000
D008	shrink fit tool holder - dimension 6	6	120	3°	HSK32A-E	70.000
D008	shrink fit tool holder - dimension 6	6	120	3°	HSK32A-E	50.000
D008	shrink fit tool holder - dimension 6	6	120	3°	HSK40A-E	24.000
D008	shrink fit tool holder - dimension 6	6	120	3°	HSK50A-E-F	24.000
D008	shrink fit tool holder - dimension 6	6	120	3°	HSK63A-E-F	24.000
D009	shrink fit tool holder - dimension 8	8	120	3°	HSK100A	18.000
D009	shrink fit tool holder - dimension 8	8	120	3°	HSK63A-E-F	24.000
D009	shrink fit tool holder - dimension 8	8	120	3°	HSK80A	24.000
D010	shrink fit tool holder - dimension 10	10	120	3°	HSK100A	18.000
D010	shrink fit tool holder - dimension 10	10	120	3°	HSK63A-E-F	24.000
D010	shrink fit tool holder - dimension 10	10	120	3°	HSK80A	24.000
D011	shrink fit tool holder - dimension 12	12	120	3°	HSK100A	18.000
D011	shrink fit tool holder - dimension 12	12	120	3°	HSK63A-E-F	24.000
D011	shrink fit tool holder - dimension 12	12	120	3°	HSK80A	24.000
D012	shrink fit tool holder - dimension 14	14	120	3°	HSK100A	18.000
D012	shrink fit tool holder - dimension 14	14	120	3°	HSK63A-E-F	24.000
D012	shrink fit tool holder - dimension 14	14	120	3°	HSK80A	24.000

* MANUFACTURING MATERIAL



Shrink Fit Tool Holders - Slim version

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

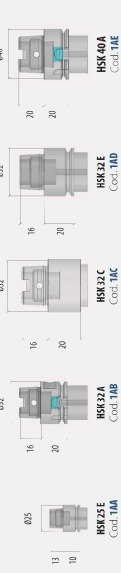
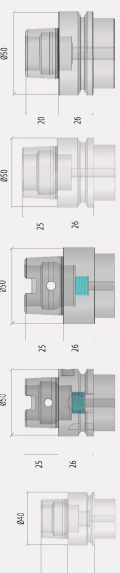


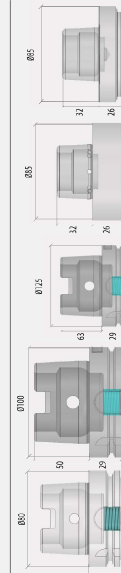
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D000	shrink fit tool holder - dimension 3	3	75	3°	HSK25E	70.000
D000	shrink fit tool holder - dimension 3	3	75	3°	HSK32A-E	50.000
D001	shrink fit tool holder - dimension 4	4	75	3°	HSK25E	70.000
D001	shrink fit tool holder - dimension 4	4	75	3°	HSK32A-E	50.000
D001	shrink fit tool holder - dimension 4	4	75	3°	HSK40A-E	24.000
D001	shrink fit tool holder - dimension 4	4	75	3°	HSK50A-E-F	24.000
D001	shrink fit tool holder - dimension 4	4	75	3°	HSK63A-E-F	24.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK25E	70.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK32A-E	50.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK40A-E	24.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK50A-E-F	24.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK63A-E-F	24.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK80A	24.000
D002	shrink fit tool holder - dimension 6	6	75	3°	HSK100A	18.000
D003	shrink fit tool holder - dimension 3	3	90	3°	HSK25E	70.000
D003	shrink fit tool holder - dimension 3	3	90	3°	HSK32A-E	50.000
D004	shrink fit tool holder - dimension 4	4	90	3°	HSK25E	70.000
D004	shrink fit tool holder - dimension 4	4	90	3°	HSK32A-E	50.000
D004	shrink fit tool holder - dimension 4	4	90	3°	HSK40A-E	24.000
D004	shrink fit tool holder - dimension 4	4	90	3°	HSK50A-E-F	24.000
D004	shrink fit tool holder - dimension 4	4	90	3°	HSK63A-E-F	24.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK25E	70.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK32A-E	50.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK40A-E	24.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK50A-E-F	24.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK63A-E-F	24.000
D005	shrink fit tool holder - dimension 6	6	90	3°	HSK80A	24.000
D006	shrink fit tool holder - dimension 3	3	120	3°	HSK25E	70.000
D006	shrink fit tool holder - dimension 3	3	120	3°	HSK32A-E	50.000

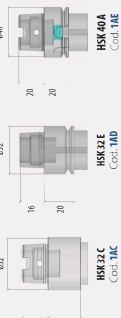
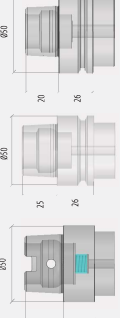
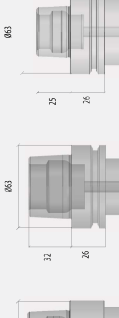
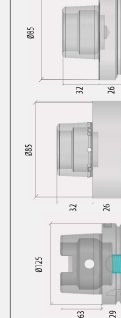
 Part codes for available
HSK CONNECTIONS*

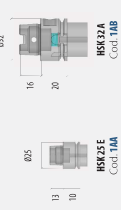
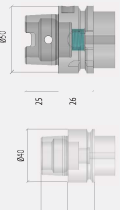
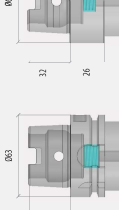
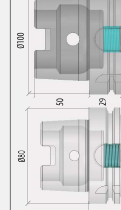
To configure your tool holder you need to choose one of the following connections first.

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


 HSK40E
Cod. 11A

 HSK50E
Cod. 11B

 HSK63E
Cod. 11C

 HSK80E
Cod. 11D

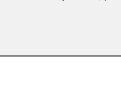
 HSK100E
Cod. 11E

 HSK32C
Cod. 11A

 HSK40C
Cod. 11B

 HSK50C
Cod. 11C

 HSK63C
Cod. 11D

 HSK80C
Cod. 11E

 HSK25E
Cod. 11A

 HSK32E
Cod. 11B

 HSK40E
Cod. 11C

 HSK50E
Cod. 11D

 HSK63E
Cod. 11E

 HSK32A-E
Cod. 11A

 HSK40A-E
Cod. 11B

 HSK50A-E-F
Cod. 11C

 HSK63A-E-F
Cod. 11D

 HSK80A
Cod. 11E

 HSK32A-E
Cod. 11A

 HSK40A-E
Cod. 11B

 HSK50A-E-F
Cod. 11C

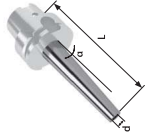
 HSK63A-E-F
Cod. 11D

 HSK80A
Cod. 11E



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

Shrink Fit Tool Holders - Slim version

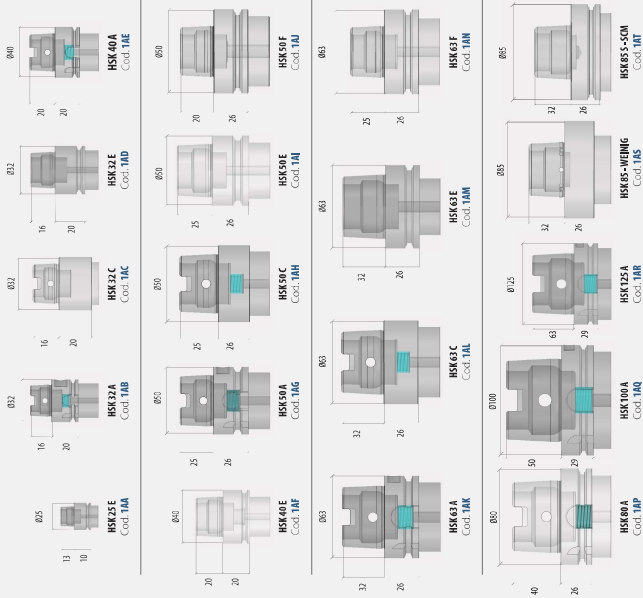


Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D012	shrink fit tool holder - dimension 14	14	120	3°	HSK 100 A	18.000
D013	shrink fit tool holder - dimension 16	16	120	3°	HSK 63 A-C-E-F	24.000
D013	shrink fit tool holder - dimension 16	16	120	3°	HSK 80 A	24.000
D013	shrink fit tool holder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

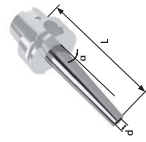
*See page 69 for the complete list of HSK manufacturing rules.





Part code	Description	d	L	Angle (a)	Connection	Balancing (RPM)
D038	shrink fit tool holder - dimension 3/4"	3/4"	160	3°	HSK63A-C-E-F	24,000
D038	shrink fit tool holder - dimension 3/4"	3/4"	160	3°	HSK80A	24,000
D038	shrink fit tool holder - dimension 3/4"	3/4"	160	3°	HSK100A	18,000
D039	shrink fit tool holder - dimension 1"	1"	160	3°	HSK63A-C-E-F	24,000
D039	shrink fit tool holder - dimension 1"	1"	160	3°	HSK80A	24,000
D039	shrink fit tool holder - dimension 1"	1"	160	3°	HSK100A	18,000

Shrink Fit Tool Holders - Slim version



Part code	Description	d	L	Angle (a)	Connection	Balancing (RPM)
D030	shrink fit tool holder - dimension 16	16	160	3°	HSK63A-C-E-F	24,000
D030	shrink fit tool holder - dimension 16	16	160	3°	HSK80A	24,000
D030	shrink fit tool holder - dimension 16	16	160	3°	HSK100A	18,000
D031	shrink fit tool holder - dimension 18	18	160	3°	HSK63A-C-E-F	24,000
D031	shrink fit tool holder - dimension 18	18	160	3°	HSK80A	24,000
D031	shrink fit tool holder - dimension 18	18	160	3°	HSK100A	18,000
D032	shrink fit tool holder - dimension 20	20	160	3°	HSK63A-C-E-F	24,000
D032	shrink fit tool holder - dimension 20	20	160	3°	HSK80A	24,000
D032	shrink fit tool holder - dimension 20	20	160	3°	HSK100A	18,000
D033	shrink fit tool holder - dimension 25	25	160	3°	HSK63A-C-E-F	24,000
D033	shrink fit tool holder - dimension 25	25	160	3°	HSK80A	24,000
D033	shrink fit tool holder - dimension 25	25	160	3°	HSK100A	18,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK23E	70,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK324E	50,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK404E	24,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK50A-C-E-F	24,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK63A-C-E-F	24,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK80A	24,000
D034	shrink fit tool holder - dimension 1/4"	1/4"	160	3°	HSK100A	18,000
D035	shrink fit tool holder - dimension 3/8"	3/8"	160	3°	HSK50A-C-E-F	24,000
D035	shrink fit tool holder - dimension 3/8"	3/8"	160	3°	HSK63A-C-E-F	24,000
D035	shrink fit tool holder - dimension 3/8"	3/8"	160	3°	HSK80A	24,000
D036	shrink fit tool holder - dimension 1/2"	1/2"	160	3°	HSK63A-C-E-F	24,000
D036	shrink fit tool holder - dimension 1/2"	1/2"	160	3°	HSK80A	24,000
D036	shrink fit tool holder - dimension 1/2"	1/2"	160	3°	HSK100A	18,000
D037	shrink fit tool holder - dimension 5/8"	5/8"	160	3°	HSK63A-C-E-F	24,000
D037	shrink fit tool holder - dimension 5/8"	5/8"	160	3°	HSK80A	24,000
D037	shrink fit tool holder - dimension 5/8"	5/8"	160	3°	HSK100A	18,000
D038	shrink fit tool holder - dimension 3/4"	3/4"	160	3°	HSK23E	70,000

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.

