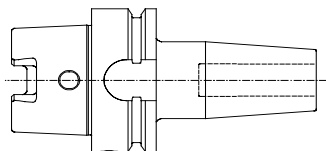


HEAT SHRINK TOOLHOLDERS



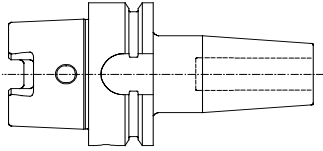
Taper	Ordering No.	Stock	d	L	D1	D2	L3
HSK32 FORM A & C	HSK32A-TT03-065G60	●	3*	65	15	20	20
	HSK32A-TT04-065G61	●	4*	65	15	20	20
	HSK32A-TT05-065G62	●	5*	65	15	20	25
	HSK32A-TT06-075G63	●	6	75	20	20	36
	HSK32A-TT08-075G63	●	8	75	20	26	36
	HSK32A-TT10-075G63	●	10	75	24	26	42
	HSK32A-TT12-075G63	●	12	75	24	29.5	47
HSK40 FORM A & C	HSK40A-TT03-060G63	○	3*	60	15	20	20
	HSK40A-TT04-060G64	○	4*	60	15	20	20
	HSK40A-TT05-060G65	○	5*	60	15	20	25
	HSK40A-TT06-080G63	●	6	80	20	27	36
	HSK40A-TT08-080G63	●	8	80	20	27	36
	HSK40A-TT10-080G63	●	10	80	24	32	42
	HSK40A-TT12-090G63	●	12	90	24	32	47
	HSK40A-TT14-090G63	●	14	90	27	34	47
HSK40 FORM A & C	HSK40A-TT16-090G63	●	16	90	27	34	50
	HSK40A-TT06-120G63	○	6	120	20	27	36
	HSK40A-TT08-120G63	○	8	120	20	27	36
	HSK40A-TT10-120G63	○	10	120	24	32	42
	HSK40A-TT12-120G63	○	12	120	24	32	47
	HSK40A-TT14-120G63	○	14	120	27	34	47
HSK50 FORM A & C	HSK50A-TT16-120G63	○	16	120	27	34	50
	HSK50A-TT06-080G63	●	6	80	20	27	36
	HSK50A-TT08-080G63	●	8	80	20	27	36
	HSK50A-TT10-080G63	●	10	85	24	32	42
	HSK50A-TT12-090G63	●	12	90	24	32	47
	HSK50A-TT14-090G63	●	14	90	27	34	47
	HSK50A-TT16-095G63	●	16	95	27	34	50
	HSK50A-TT18-095G63	●	18	95	33	42	50
HSK50 FORM A & C	HSK50A-TT20-100G63	●	20	100	33	42	52
	HSK50A-TT06-120G63	○	6	120	20	27	36
	HSK50A-TT08-120G63	○	8	120	20	27	36
	HSK50A-TT10-120G63	○	10	120	24	32	42
	HSK50A-TT12-120G63	○	12	120	24	32	47
	HSK50A-TT14-120G63	○	14	120	27	34	47
	HSK50A-TT16-120G63	○	16	120	27	34	50
HSK50 FORM A & C	HSK50A-TT18-120G63	○	18	120	33	42	50
	HSK50A-TT06-160G63	○	6	160	20	32	36
	HSK50A-TT08-160G63	○	8	160	20	32	36
	HSK50A-TT10-160G63	○	10	160	24	34	42
	HSK50A-TT12-160G63	○	12	160	24	34	47
	HSK50A-TT14-160G63	○	14	160	27	42	47
	HSK50A-TT16-160G63	○	16	160	27	42	50
	HSK50A-TT18-160G63	○	18	160	33	42	50
HSK50A-TT20-160G63	○	20	160	33	42	52	

For Shank Tolerance h6
 * Shank Tolerance h4 or better
 Balanced G6.3@18,000 rpm
 Max run out at nose 0.003mm

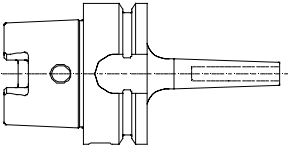
● = Standard Product - Normally Ex-Stock
 ○ = Standard Product - Availability on Request

Packing Unit and Ordering Example
 1 piece HSK50A-TT20-160G63

HEAT SHRINK TOOLHOLDERS



For Shank Tolerance h6
 * Shank Tolerance h4 or better
 Balanced G6.3@18,000 rpm
 Max run out at nose 0.003mm



SLIM FRONT DESIGN

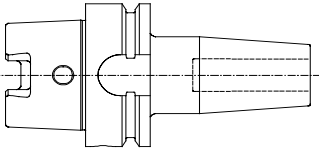
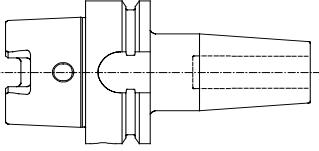
For Shank Tolerance h6
 Carbide Tools Only
 Balanced G6.3@18,000 rpm
 Max run out at nose 0.003mm

Taper	Ordering No.	Stock	d	L	D1	D2	L3
HSK 63 FORM A & C	HSK63A-TT03-080G63	○	3*	80	15	20	20
	HSK63A-TT04-080G64	○	4*	80	15	20	20
	HSK63A-TT05-080G65	○	5*	80	15	20	25
	HSK63A-TT06-080G63	●	6	80	20	27	36
	HSK63A-TT08-080G63	●	8	80	20	27	36
	HSK63A-TT10-085G63	●	10	85	24	32	42
	HSK63A-TT12-090G63	●	12	90	24	32	47
	HSK63A-TT14-090G63	●	14	90	27	34	47
	HSK63A-TT16-095G63	●	16	95	27	34	50
	HSK63A-TT18-095G63	●	18	95	33	42	50
	HSK63A-TT20-100G63	●	20	100	33	42	52
	HSK63A-TT25-115G63	●	25	115	44	53	58
HSK63A-TT32-120G63	●	32	120	44	53	58	
HSK 63 FORM A & C	HSK63A-TT06-120G63	●	6	120	20	27	36
	HSK63A-TT08-120G63	●	8	120	20	27	36
	HSK63A-TT10-120G63	●	10	120	24	32	42
	HSK63A-TT12-120G63	●	12	120	24	32	47
	HSK63A-TT14-120G63	●	14	120	27	34	47
	HSK63A-TT16-120G63	●	16	120	27	34	50
HSK 63 FORM A & C	HSK63A-TT06-160G63	●	6	160	20	32	36
	HSK63A-TT08-160G63	●	8	160	20	32	36
	HSK63A-TT10-160G63	●	10	160	24	34	42
	HSK63A-TT12-160G63	●	12	160	24	34	47
	HSK63A-TT14-160G63	●	14	160	27	42	47
	HSK63A-TT16-160G63	●	16	160	27	42	50
	HSK63A-TT18-160G63	●	18	160	33	51	50
	HSK63A-TT20-160G63	●	20	160	33	51	52
	HSK63A-TT25-160G63	●	25	160	44	53	58
HSK63A-TT32-160G63	○	32	160	44	53	58	
HSK 63 FORM A & C	HSK63A-TT06-080G63	○	6	80	10	13	36
	HSK63A-TT08-080G63	○	8	80	12	15	36
	HSK63A-TT10-085G63	○	10	85	16	18	42
	HSK63A-TT12-090G63	○	12	90	18	20	47
	HSK63A-TT14-090G63	○	14	90	22	24	47
	HSK63A-TT16-095G63	○	16	95	25	27	50
	HSK63A-TT20-105G63	○	20	105	30	32	52

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Packing Unit and Ordering Example
 1 piece HSK63A-TT32-160G63

HEAT SHRINK TOOLHOLDERS

		Taper	Ordering No.	Stock	d	L	D1	D2	L3	
 <p>For Shank Tolerance h6 Balanced G6.3@12,000 rpm Max run out at nose 0.003mm</p>	HSK 80 FORM A & C		HSK80A-TT06-085G63	●	6	85	20	27	36	
			HSK80A-TT08-085G63	●	8	85	20	27	36	
			HSK80A-TT10-090G63	●	10	90	24	32	42	
			HSK80A-TT12-095G63	●	12	95	24	32	47	
			HSK80A-TT14-095G63	●	14	95	27	34	47	
			HSK80A-TT16-100G63	●	16	100	27	34	50	
			HSK80A-TT18-100G63	●	18	100	33	42	50	
			HSK80A-TT20-105G63	●	20	105	33	42	52	
			HSK80A-TT25-115G63	●	25	115	44	53	58	
			HSK80A-TT32-120G63	●	32	120	44	53	58	
			HSK80A-TT06-120G63	●	6	120	20	27	36	
			HSK80A-TT08-120G63	●	8	120	20	27	36	
			HSK80A-TT10-120G63	●	10	120	24	32	42	
			HSK80A-TT12-120G63	●	12	120	24	32	47	
		HSK80A-TT14-120G63	●	14	120	27	34	47		
		HSK80A-TT16-120G63	●	16	120	27	34	50		
		HSK80A-TT06-160G63	●	6	160	20	32	36		
		HSK80A-TT08-160G63	●	8	160	20	32	36		
		HSK80A-TT10-160G63	●	10	160	24	34	42		
		HSK80A-TT12-160G63	●	12	160	24	34	47		
		HSK80A-TT14-160G63	●	14	160	27	42	47		
		HSK80A-TT16-160G63	●	16	160	27	42	50		
		HSK80A-TT18-160G63	●	18	160	33	52	50		
		HSK80A-TT20-160G63	●	20	160	33	51	52		
		HSK80A-TT25-160G63	●	25	160	44	60	58		
		HSK80A-TT32-160G63	●	32	160	44	60	58		
	 <p>For Shank Tolerance h6 Balanced G6.3@12,000 rpm Max run out at nose 0.003mm</p>	HSK 100 FORM A & C		HSK100A-TT06-085G63	○	6	85	20	27	36
				HSK100A-TT08-085G63	○	8	85	20	27	36
			HSK100A-TT10-090G63	○	10	90	24	32	42	
			HSK100A-TT12-095G63	●	12	95	24	32	47	
			HSK100A-TT14-095G63	●	14	95	27	34	47	
			HSK100A-TT16-100G63	●	16	100	27	34	50	
			HSK100A-TT18-100G63	●	18	100	33	42	50	
			HSK100A-TT20-105G63	●	20	105	33	42	52	
			HSK100A-TT25-115G63	●	25	115	44	53	58	
			HSK100A-TT32-120G63	●	32	120	44	53	58	
			HSK100A-TT06-120G63	●	6	120	20	27	36	
			HSK100A-TT08-120G63	●	8	120	20	27	36	
			HSK100A-TT10-120G63	●	10	120	24	32	42	
			HSK100A-TT12-120G63	●	12	120	24	32	47	
		HSK100A-TT14-120G63	●	14	120	27	34	47		
		HSK100A-TT16-120G63	●	16	120	27	34	50		
		HSK100A-TT06-160G63	●	6	160	20	32	36		
		HSK100A-TT08-160G63	●	8	160	20	32	36		
		HSK100A-TT10-160G63	●	10	160	24	34	42		
		HSK100A-TT12-160G63	●	12	160	24	34	47		
		HSK100A-TT14-160G63	●	14	160	27	42	47		
		HSK100A-TT16-160G63	●	16	160	27	42	50		
		HSK100A-TT18-160G63	●	18	160	33	51	50		
		HSK100A-TT20-160G63	●	20	160	33	51	52		
		HSK100A-TT25-160G63	●	25	160	44	60	58		
		HSK100A-TT32-160G63	●	32	160	44	60	58		

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Packing Unit and Ordering Example
1 piece HSK100A-TT32-160G63