

TES SMA



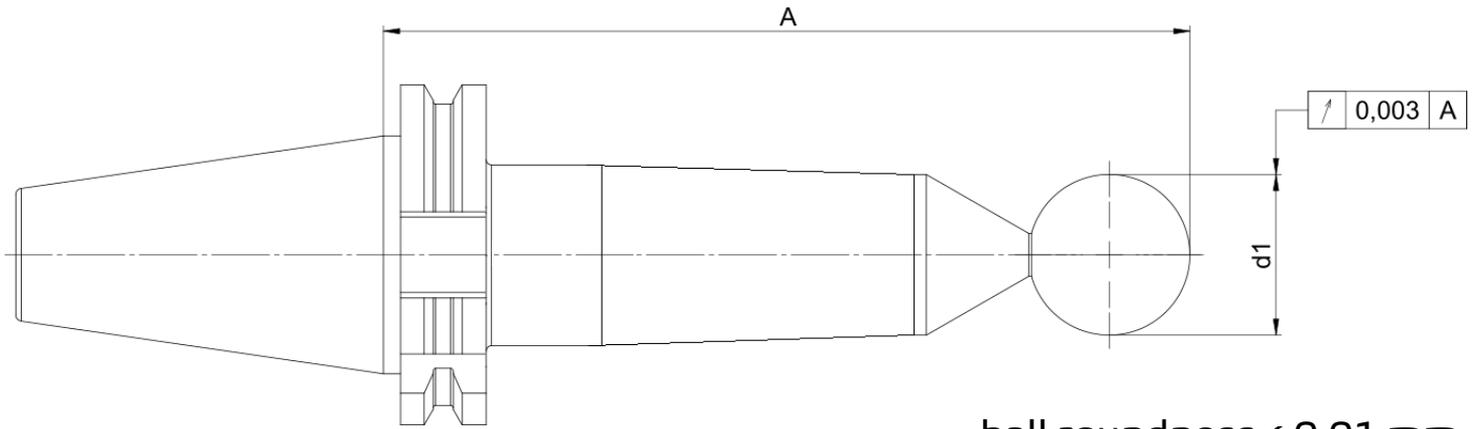
Ball End Arbors



Made
In
Germany



TESMA



ball roundness < 0,01 mm

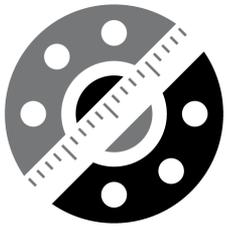
runout tapert to ball < 0,003 mm

please order wooden box for storage seperately

Type		Description	Article No.
Norm	Size		
DIN 69871	SK30	SK30 x Ø30 x 125	bea.is030.001
	SK40	SK40 x Ø30 x 125	bea.is040.001
		SK40 x Ø30 x 165	bea.is040.005
	SK50	SK50 x Ø30 x 125	bea.is050.001
		SK50 x Ø30 x 165	bea.is050.005
DIN 69871 plus	SK40	SK40P x Ø30 x 125	bea.ip040.001
JIS B 6339	BT30	BT30 x Ø30 x 125	bea.bt030.001
	BT40	BT40 x Ø30 x 135	bea.bt040.001
		BT40 x Ø30 x 165	bea.bt040.005
	BT50	BT40 x Ø30 x 145	bea.bt050.001
		BT40 x Ø30 x 165	bea.bt050.005
JIS B 6339 plus	BT30	BT30P x Ø30 x 125	bea.bb030.001
	BT40	BT40P x Ø30 x 135	bea.bb040.001
		BT40P x Ø30 x 165	bea.bb040.005



Type		Description	Article No..	
Norm	Size			
ISO12164	HSK-A 32	HSK-A 32 x Ø30 x 115	bea.ha032.001	
	HSK-A 40	HSK-A 40 x Ø30 x 125	bea.ha040.001	
		HSK-A 40 x Ø30 x 165	bea.ha040.005	
	HSK-A 50	HSK-A 50 x Ø30 x 125	bea.ha050.001	
		HSK-A 50 x Ø30 x 165	bea.ha050.005	
	HSK-A 63	HSK-A 63 x Ø30 x 125	bea.ha063.001	
		HSK-A 63 x Ø30 x 165	bea.ha063.005	
	HSK-A 80	HSK-A 80 x Ø30 x 130	bea.ha080.001	
		HSK-A 80 x Ø30 x 165	bea.ha080.005	
	HSK-A 100	HSK-A 100 x Ø30 x 130	bea.ha100.001	
		HSK-A 100 x Ø30 x 165	bea.ha100.005	
	DIN 69893-5	HSK-E 32	HSK-E 32 x Ø30 x 115	bea.he032.001
		HSK-E 40	HSK-E 40 x Ø30 x 125	bea.he040.001
			HSK-E 40 x Ø30 x 165	bea.he040.005
HSK-E 50		HSK-E 50 x Ø30 x 125	bea.he050.001	
		HSK-E 50 x Ø30 x 165	bea.he050.005	
HSK-E 63		HSK-E 63 x Ø30 x 125	bea.he063.001	
		HSK-E 63 x Ø30 x 165	bea.he050.005	
DIN 69893-6		HSK-F 63	HSK-F 63 x Ø30 x 125	bea.hf063.001
	HSK-F 63 x Ø30 x 165		bea.hf063.005	
	HSK-F 80	HSK-F 80 x Ø30 x 125	bea.hf063.001	
	ISO26623	PSC 32	PSC 32 x Ø30 x 105	bea.ps032.001
PSC 40		PSC 40 x Ø30 x 115	bea.ps040.001	
PSC 50		PSC 50 x Ø30 x 115	bea.ps050.001	
PSC 63		PSC 63 x Ø30 x 125	bea.ps063.001	
		PSC 63 x Ø30 x 165	bea.ps063.005	
PSC80		PSC 80 x Ø30 x 130	bea.ps080.001	



T E S S M A

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Steep Taper (SK)-interface

- Steep taper for automated tool change
DIN 69871 part 1: Form A
- JIS B 6339 (former MAS-BT)
- SME B5.50 (ANSI/CAT)



PSC-interface (known as Capto)

- Applied for patent 1988 Market introduction 1990 >Capto<
- Polygonal taper interface with flange surface contact
ISO 26623-1



HSK-interface

- Standard for rotating tool holders:
ISO 12164-1 Style A and C
DIN 69893-1 Form A and C
DIN 69893-6 Form F
- Standard for lathe tool holders:
ISO 12164-3 Form T "Turning"



TS-interface (vgl. KM)

- Applied for patent 1987
Market introduction 1989 >KM<
- Modular taper interface with ball tracking system ISO 26622-1



Morse Taper Interface

- Morse Taper DIN 228

