Data Sheet
Motorized Machine Tool HF Spindles

Company name:

Address:

Phone : **Fax:**

Contact:

Phone: **Fax:**

Required mode of machining:

Turning	☐
Milling	☐
HSC	☐
Deep Hole, Fine Boring	☐
Inside Grinding	☐
Outside Grinding	☐
.....	☐

further remarks:

Spindle Head

Turning

☐ **DIN 55026** ☐ **DIN 55027**
☐ **form A** **size:**
☐ **form B** **size:**
☐ **DIN 55029 (Camlock)** **size:**
☐ **inner cone DIN 228** **size:**
☐ **through hole ∅:**
☐ **.....**

Note: Please see Standard Spindles UKF Type Series DHF (-PE)

Milling
Fine Boring
HSC

☐ **DIN 2079 (taper 7/24)** **size:**
tolerance AT:
carrier form:
☐ **DIN 69063 (HSK)**
form: **size:**
☐ **.....**

Note: Please see Standard Spindles UKF Type Series RHF

Grinding

☐ **outer cone 1 / .....** **D =** **L =**
☐ **inner cone 1 / .....** **D =** **L =**
☐ **cylindrical bore** **D =** **L =**
☐ **hydraulic expansion shaft** **D =** **L =**
☐ **.....**

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Spindle Sleeve	**D**	**desired:**	**min:**	**max:**
	L	**desired:**	**min:**	**max:**
	☐	**mounting flange with countersinks**		
	cooling jacket	☐ **open**	☐ **encircled**	
	☐	**concentrical graded sleeve (design required)**		
Tool Clamping	☐	**manual**	☐ **hydraulic**	☐ **pneumatic**
	desired brand/type:			
	passage	☐ **air**	☐ **cooling lubricant**	
		☐ **oil air**		
	required clamping force		**N**	
Spindle Bearings	☐ **steel balls**		☐ **hybride**	
	Lubr.:	☐ **grease**	☐ **oil air**	
	desired load capacity:		**N**	
	desired regidity		**axial:**	**N/µm**
			radial:	**N/µm**
	desired life time:		**h**	
Running Accuracy	**at spindle head**		**axial:**	**µm**
			radial:	**µm**
	at test mandrel		**µm at L =**	**mm**
			µm at L =	**mm**
Rotational speeds	**min.**	**rpm**	**max.**	**rpm**
Balance Class	**G**	**DIN ISO 1940**		
Direction of Rotation	☐ **right (c.w.)**	☐ **left (c.c.w.)**	☐ **bi directional**	
working position	☐ **horizontal**	☐ **vertical**		
	☐ **slewing**	**angle °**		
Motor Data	**continious output (S1)**			**kW**
	peak (S6- %)			**kW**
	nominal torque			**Nm**
	nominal speed			**rpm**
	breakdown torque speed			**rpm**
	max. amperage			**A**

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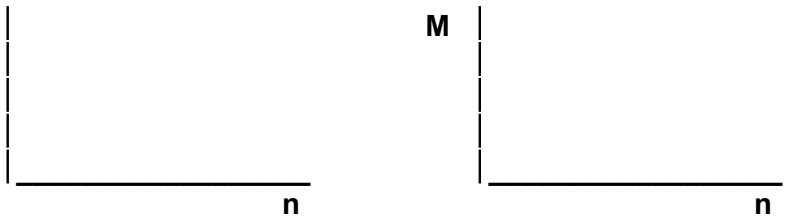
desired Motor Performance Curve



Frequency Converter Data:

brand/type:
power modul:
max. frequency: **Hz**
max. amperage: **A**

Encoder

brand/type:
output:
position control **yes / no**

Loading Data

F_{rad} =	N	F_{ax} =	N	n =	rpm	resp. time	%
F_{rad} =	N	F_{ax} =	N	n =	rpm	resp. time	%
F_{rad} =	N	F_{ax} =	N	n =	rpm	resp. time	%
F_{rad} =	N	F_{ax} =	N	n =	rpm	resp. time	%
F_{rad} =	N	F_{ax} =	N	n =	rpm	resp. time	%

Additional Forces

i.e. clamping forces, tailstock thrust, weight of chuck or clamping cylinder

Influence by environment

- ☐ **dry processing**
- ☐ **wet processing**
- ☐ **dust**
- ☐ **jet of water**
  - ☐ **spray**
  - ☐ **mist**
- ☐ **heat**

Air Sealing

☐ **necessary** ☐ **possible** ☐ **refused**

Cooling

- ☐ **water with anti corrosive**
- ☐ **oil**
- ☐ **.....**

Options desired

☐ **monitoring of**

- ☐ **lubricating System**
- ☐ **cooling System**
- ☐ **frequency Converter**

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Further technical details:

Possibly attach a sketch of over-all-dimensions, Spindle Flange etc.

Requirement ☐ **one** ☐ **repeatingly up to**
☐ **....numbers/year**

Delivery time desired/to start at:

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