

21859

## Blade head supports with KKB

DIN  
69893

A

G 2.5  
25000  
1/min

HPC

## Type

- Taper shank, locating journal and supporting surface all ground
- Shank hard surface-turned
- With Balluf chip bore
- With coolant duct bores (KKB)

## Scope of supply:

With miller draw-in screw.



21859

| Taper | D1 | A  | D2 | L1 | 21859 | ... |
|-------|----|----|----|----|-------|-----|
| HSK   | mm | mm | mm | mm |       |     |
| 63    | 16 | 50 | 38 | 17 |       | 101 |
| 63    | 22 | 50 | 48 | 19 |       | 102 |
| 63    | 27 | 60 | 60 | 21 |       | 103 |
| 63    | 32 | 60 | 78 | 24 |       | 104 |



21864

## Coolant tube

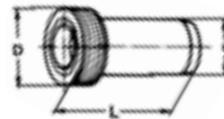
DIN  
69893

H+W

## Use

For optimising the central coolant feed of hollow shank tapers in compliance with DIN 69893-HSK-A.

| HSK | D       | d  | L    | 21864 | ... |
|-----|---------|----|------|-------|-----|
|     | mm      | mm | mm   |       |     |
| 63  | M18 x 1 | 12 | 34.5 |       | 104 |



21864

21865

## Wrench for coolant tube

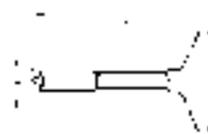
DIN  
69893

H+W

## Use

For coolant tube cat.-no. 21864.

| HSK | D    | L   | 21865 | ... |
|-----|------|-----|-------|-----|
|     | mm   | mm  |       |     |
| 63  | 16.5 | 136 |       | 104 |



21865

## Info

## Multi spindle heads for drilling, tapping, countersinking, reaming, milling, turning etc.

Multi spindle heads with fixed drilling picture for machining centres with or without automatic tool exchange, for using solid carbide tools with a rotational speed of up to 12,000 rpm. With or without coolant feed.



## Type SMSK 6/15

with 6 spindles and a maximum drilling capacity of 15 mm per spindle. Spindle head acc. to DIN 55058 for actuator sleeve size 20. Special holder with collet support for high speeds when using solid hard-metal drills and/or VHM tools. Multi spindle head mount ST 50 with gripper lock for machining centres.

## Type SMSK 2/15

ST-taper 40 with continuous coolant-feed, tapping chuck with Length compensation in response to compression and tension.



## Type SMSK 4/15

With 4 spindles and max. drilling power of 15 mm per spindles and/or tapping power of M 12, spindle head acc. to DIN 55058 for actuator sleeve size 20. Tapping quick-change chuck with tension and compression balancing and spring-mounted countersink sleeve for chamfering the bore. Multi spindle head mount ST 50 with gripper lock for machining centres. Multi spindle head, single adjustable with 2, 3 or 4 spindles available, max. drilling capacity per each spindle, depending on type, from 3 mm up to 32 mm.



## Type KE

for easy and quick adjustable handling. Very sturdy construction, large adjusting range, narrow spindle distances, low weight, high service life, also suitable for small series with medium tolerance range. Multi spindle heads with adjustable drilling picture by exchanging spindle mount plate, so called the matrix.



## Type KR

with joint spindles of high true-running accuracy and good bearing stability at most narrow spindle distance. Easy reverse of drilling pictures and absolute true size of drilling picture thanks to spindle mount plates (matrixe) which are produced by using coordinate machining system, large adjusting range of single types up to 530 mm, max. drilling capacity up to 40 mm in steel.

**Please get in touch with us!**

**Please include a detailed drawing with measures of the drilling pictures in order to insure a good information.**