

MVS Connection Example - Selecting the Correct Intermediate Module

Example Machining Parameters

Hole Diameter: 2.942" (75.00mm)
 Hole Depth: 7.874" (200.00mm)
 Machine Spindle: HSK-A 100 DIN 69893

1 Select your boring tool

- Example: 464 Balanced Boring Head

2 Select the tool that meets the required boring range

- MVS connection: **50 - 28**
- A = 2.559" - 3.268" (65.00mm - 83.00mm)
- Part No. : **464006**



1 **3E¹¹⁸ Digital Balanced 465 (464) Boring Head**

2

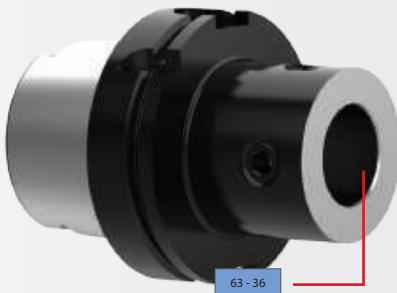
D ₁ D ₂	A	X ₁	Ker	Boring Head
50 - 28	65.00 - 83.00	75.00	0	464006
50 - 28	65.00 - 83.00	75.00	1	464006
50 - 28	65.00 - 83.00	75.00	2	464006
63 - 36	82.00 - 103.00	90.00	0	464007
63 - 36	82.00 - 103.00	90.00	1	464007
63 - 36	82.00 - 103.00	90.00	2	464007
80 - 36	100.00 - 130.00	90.00	0	464008
80 - 36	100.00 - 130.00	90.00	1	464008
80 - 36	100.00 - 130.00	90.00	2	464008
80 - 36	115.00 - 167.50	90.00	0	464009
80 - 36	115.00 - 167.50	90.00	1	464009
80 - 36	115.00 - 167.50	90.00	2	464009

3 Select the master shank that fits your spindle

- Machine spindle: DIN 69893 HSK

4 Choose the connection that fits your application

- MVS connection: **63 - 36**
- Part No. : **245015**



3 **HSK Master Shanks (DIN 69893)**

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D ₁ D ₂	A	X ₁	Ker	Part No.
63 - 36	82.00 - 103.00	90.00	0	245013
63 - 36	82.00 - 103.00	90.00	1	245013
63 - 36	82.00 - 103.00	90.00	2	245013
80 - 36	100.00 - 130.00	90.00	0	245014
80 - 36	100.00 - 130.00	90.00	1	245014
80 - 36	100.00 - 130.00	90.00	2	245014
100 - 36	125.00 - 167.50	90.00	0	245015
100 - 36	125.00 - 167.50	90.00	1	245015
100 - 36	125.00 - 167.50	90.00	2	245015

5 Select the correct intermediate module

Must meet the hole depth requirements and MVS connections for both the boring head and shank

- Hole depth: 7.874" (200.00mm)
- Boring tool 464006 length (X₁): 2.953" (75.00mm)
- Master shank 245015 length (L₁): 2.008" (51.00mm)
- Minimum required length of adapter: 2.913" (74.00mm)
- Boring tool 464006 MVS connection: **50 - 28**
- Master shank 245015 MVS connection: **63 - 36**
- Adapter Part No.: **119025**



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D ₁ D ₂	A	X ₁	Ker	Part No.
50 - 28	65.00 - 83.00	75.00	0	119025
50 - 28	65.00 - 83.00	75.00	1	119025
50 - 28	65.00 - 83.00	75.00	2	119025
63 - 36	82.00 - 103.00	90.00	0	119025
63 - 36	82.00 - 103.00	90.00	1	119025
63 - 36	82.00 - 103.00	90.00	2	119025