

MVS Connectino Example - Selecting the Correct Intermediate Module

Example Machining Parameters

Hole Diameter: 1.968" (50.00mm)
 Hole Depth: 3.149" (80.00mm)
 Machine Spindle: HSK-A 63 DIN 69893

1 Tools: Balance 365 (364) Boring Head

2 Boring Range Table:

MVS Connection	A	J ₁	Insert Holder	Boring Head
19-11	30.00 - 24.50	46.00	364077	364030
22-11	24.50 - 29.50	40.00	210059	364031
25-11	21.50 - 29.50	46.00	210069	364031
25-14	29.00 - 30.50	56.00	210059	364032
32-18	29.00 - 38.50	56.00	210069	364032
32-18	38.00 - 50.50	66.00	264051	364033
32-18	38.00 - 50.50	66.00	264077	364033
40-22	50.00 - 05.50	75.00	210052	364034
40-22	50.00 - 65.50	75.00	210062	364034

3 Master Shanks: Imperial - DIN 69893 HSK

4 Connection Table:

Taper Size	Conn.	Connection	Part No.
40	40	40-22	246006
40	50	50-28	246004
50	40	40-22	246005
50	50	50-28	246011
63	50	50-28	246010
63	32	32-18	246013
63	40	40-22	246014
63	50	50-28	245012
63	63	63-56	245013
63	80	80-39	240009
63	80	ER-40	252000+

5 Adapter Part No. List:

219038
219039
219040
219051
219041
219052
119094
119054
119055
119010
219030*
219085
219086
119012
219032
219087
219088
119050

- 1 Select your boring tool**
Example: 364 Balance Boring Head
- 2 Select the tool that meets the required boring range**

MVS connection: **32-18**
 A = 1.496" - 1.988" (38.00mm - 50.50mm)
 Part No. : **364033**



- 3 Select the master shank that fits your spindle**
Machine spindle: DIN 69893 HSK

- 4 Choose the connection that fits your application**
MVS connection: **50-28**
Part No. : **245012**



- 5 Select the correct intermediate module**

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

Hole depth: 3.149" (80.00mm)
 Boring tool 364033 length (X₁): 2.598" (66mm)
 Min. required length of adapter: 0.551" (14mm)
 Boring tool 364033 MVS connection: **32-18**
 Master shank 245012 MVS connection: **50-28**
 Adapter Part No. : **219032**

