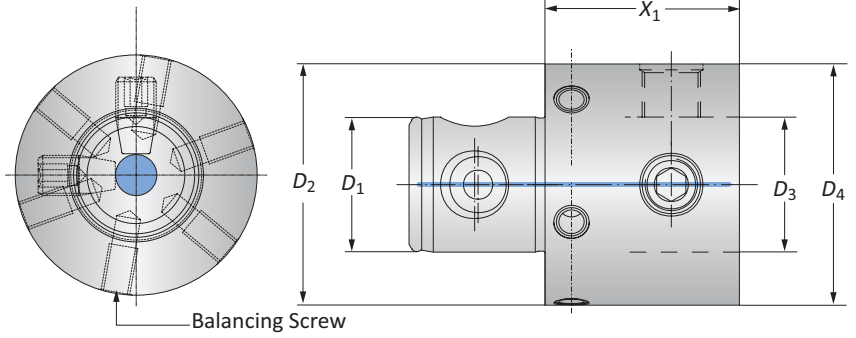
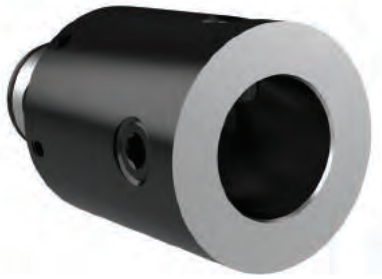


Extensions

Balanced



	MVS Connection		Extension	Weight	Balancing Screw	Part No.
	D <sub>2</sub>   D <sub>1</sub>	D <sub>4</sub>   D <sub>3</sub>				
	19.5 - 11	19.5 - 11	40.00	0.10 (kg)	-	219043
	22 - 11	22 - 11	40.00	0.10 (kg)	-	219044
	25 - 14	25 - 14	25.00	0.10 (kg)	-	219068
	25 - 14	25 - 14	40.00	0.10 (kg)	-	119001
	32 - 18	32 - 18	40.00	0.20 (kg)	-	119002
	40 - 22	40 - 22	40.00	0.40 (kg)	-	119003
	50 - 28	50 - 28	40.00	0.60 (kg)	M6 x 1 x 10	119004
	50 - 28*	50 - 28*	75.00	1.10 (kg)	M6 x 1 x 10	219097
	50 - 28	50 - 28	75.00	1.10 (kg)	M6 x 1 x 10	219082
	50 - 28	50 - 28	100.00	1.50 (kg)	M6 x 1 x 10	119058
Ⓜ	63 - 36	63 - 36	50.00	1.10 (kg)	M6 x 1 x 10	119005
	63 - 36	63 - 36	75.00	1.70 (kg)	M6 x 1 x 15	219083
	63 - 36	63 - 36	125.00	2.90 (kg)	M6 x 1 x 15	119065
	80 - 36	80 - 36	50.00	1.90 (kg)	M6 x 1 x 15	119006
	80 - 36	80 - 36	75.00	2.80 (kg)	M6 x 1 x 15	219084
	80 - 36	80 - 36	125.00	4.80 (kg)	M6 x 1 x 15	119066
	80 - 36	80 - 36	200.00	7.40 (kg)	M8 x 1.25 x 21	219094
	80 - 36	80 - 36	275.00	10.10 (kg)	M8 x 1.25 x 21	119069
	100 - 56	100 - 56	75.00	4.30 (kg)	M8 x 1.25 x 20	219095
	100 - 56	100 - 56	100.00	5.60 (kg)	M8 x 1.25 x 20	219061
	100 - 56	100 - 56	150.00	8.10 (kg)	M8 x 1.25 x 20	219096
	100 - 56	100 - 56	200.00	10.20 (kg)	M8 x 1.25 x 20	219062
	100 - 56	100 - 56	300.00	14.60 (kg)	M8 x 1.25 x 20	219063

\*D<sub>2</sub> / D<sub>4</sub> = 49.50 mm for boring 50.00 mm diameter applications  
 NOTE: Balance refers to a specific residual imbalance of ≤ 10 g mm/kg

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B10-F

B10: VI-VII

Key on B10-E: 1

Ⓜ = Metric (mm)

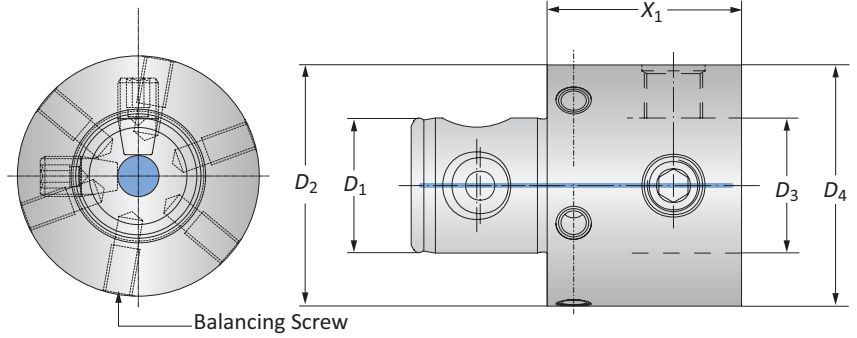
**IMPORTANT:** Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application Engineering department. email: [engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

**⚠ WARNING** Exceeding weight capacity for machine tool spindle and tool changer can cause machine damage and/or serious injury. To prevent:  
 -Consult machine tool builder for machine's weight limitations.  
 -Refer to example on page B10-M: 11 for calculating tool assembly weight  
 Factory technical assistance is also available for specific applications through our Application Engineering department. email: [engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

**⚠ WARNING** Tool failure can cause serious injury. To prevent:  
 -Do not exceed recommended 10xD length-to-diameter ratio or exceed 4 total components (including shank)  
 -When using Alu-Line® components, do not exceed recommended 5xD length-to-diameter ratio  
 -When using tool steel components, do not exceed recommended 6xD length-to-diameter ratio  
 -When using heavy metal components, do not exceed recommended 8xD length-to-diameter ratio  
 -When using a carbide shank, do not exceed recommended 9xD length-to-diameter ratio  
 -When using a NOVITECH® module, do not exceed recommended 10xD length-to-diameter ratio  
 -Refer to examples on pages B10-M: 8-10 for calculating length-to-diameter ratio  
 Factory technical assistance is available for your specific applications through our Application Engineering department. email: [engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

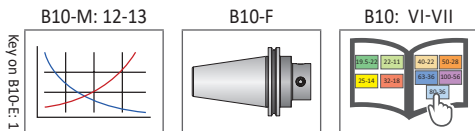
## Extensions

### Balanced Alu-Line



MVS Connection		Modules				
$D_2$   $D_1$	$D_4$   $D_3$	$X_1$	Weight	Balancing Screw	Part No.	
50 - 28	50 - 28	40.00	0.20 (kg)	M6 x 1 x 8	319021	
50 - 28	50 - 28	75.00	0.40 (kg)	M6 x 1 x 10	319022	
50 - 28	50 - 28	100.00	0.60 (kg)	M6 x 1 x 10	319023	
63 - 36	63 - 36	50.00	0.40 (kg)	M6 x 1 x 8	319002	
63 - 36	63 - 36	125.00	1.10 (kg)	M6 x 1 x 10	319003	
80 - 36	80 - 36	50.00	0.70 (kg)	M6 x 1 x 10	319004	
80 - 36	80 - 36	75.00	1.00 (kg)	M6 x 1 x 10	319016	
80 - 36	80 - 36	125.00	1.80 (kg)	M6 x 1 x 10	319005	
80 - 36	80 - 36	200.00	2.70 (kg)	M6 x 1 x 10	319017	
80 - 36	80 - 36	275.00	3.70 (kg)	M6 x 1 x 10	319006	
100 - 56	100 - 56	75.00	1.50 (kg)	M8 x 1.25 x 20	319019	
100 - 56	100 - 56	100.00	2.20 (kg)	M8 x 1.25 x 20	319007	
100 - 56	100 - 56	150.00	3.00 (kg)	M8 x 1.25 x 20	319018	
100 - 56	100 - 56	200.00	3.80 (kg)	M8 x 1.25 x 20	319008	
100 - 56	100 - 56	300.00	5.40 (kg)	M8 x 1.25 x 20	319009	

**NOTE:** Balance refers to a specific residual imbalance of  $\leq 10$  g mm/kg



Key on B10-E: 1

$\text{mm}$  = Metric (mm)

**IMPORTANT:** Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

**WARNING** Exceeding weight capacity for machine tool spindle and tool changer can cause machine damage and/or serious injury. To prevent:  
 -Consult machine tool builder for machine's weight limitations.  
 -Refer to example on page B10-M: 11 for calculating tool assembly weight  
 Factory technical assistance is also available for specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

**WARNING** Tool failure can cause serious injury. To prevent:  
 -Do not exceed recommended 10xD length-to-diameter ratio or exceed 4 total components (including shank)  
 -When using Alu-Line® components, do not exceed recommended 5xD length-to-diameter ratio  
 -When using tool steel components, do not exceed recommended 6xD length-to-diameter ratio  
 -When using heavy metal components, do not exceed recommended 8xD length-to-diameter ratio  
 -When using a carbide shank, do not exceed recommended 9xD length-to-diameter ratio  
 -When using a NOVITECH® module, do not exceed recommended 10xD length-to-diameter ratio  
 -Refer to examples on pages B10-M: 8-10 for calculating length-to-diameter ratio  
 Factory technical assistance is available for your specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

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