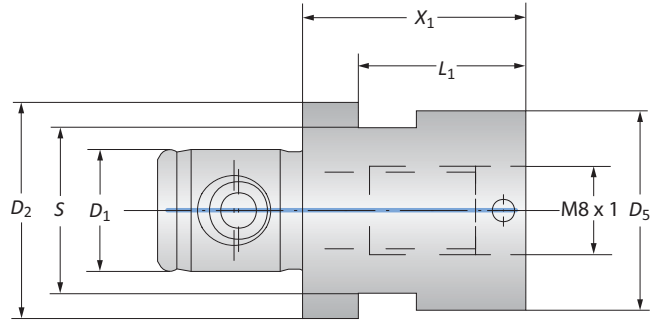


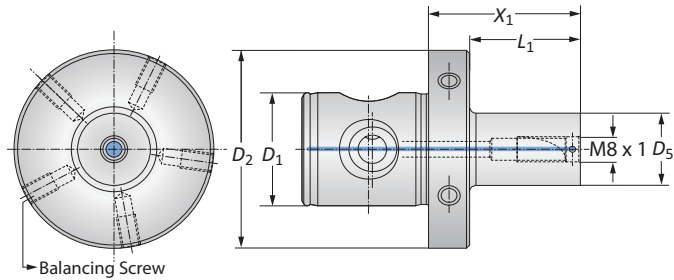
## 248 Adapters

Adapters | Balanced Adapters



### Adapters

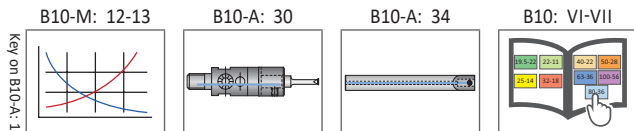
MVS Connection	Boring Connection	Adapter				Weight	Service Key	Part No.
		$D_2$   $D_1$	$X_1$	$L_1$	$S$			
$19.5 - 11$	M8 x 1	20.00	15.00	15/P	18.00	0.05 (kg)	15 S / P	219168
$23 - 11$	M8 x 1	20.00	-	19/P	23.00	0.07 (kg)	19 S / P	219169



### Balanced Adapters

MVS Connection	Boring Connection	Adapter				Weight	Balancing Screw	Part No.
		$D_2$   $D_1$	$X_1$	$L_1$	$D_5$			
$50 - 28$	M8 x 1	32.00	19.00	15.00	0.35 (kg)	M6 x 1 x 10	219185	
$50 - 28$	M8 x 1	48.00	35.00	18.00	0.40 (kg)	M6 x 1 x 10	219176	
$50 - 28$	M8 x 1	48.00	35.00	23.00	0.45 (kg)	M6 x 1 x 10	219177	

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



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

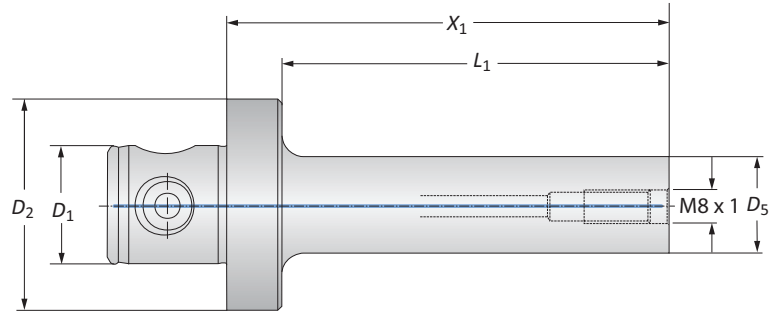
**IMPORTANT:** Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application 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)

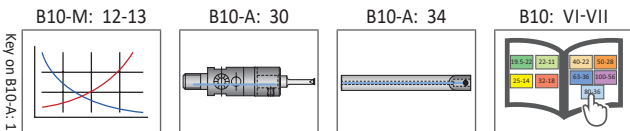
**WARNING** Tool failure can cause serious injury. To prevent:  
 -Do not exceed recommended 10xD length-to-diameter ratio or exceed 4 total components (including shank)  
 -When using Alu-Line® components, do not exceed recommended 5xD length-to-diameter ratio  
 -When using tool steel components, do 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)

## 248 Adapters

### Vibration Reducing Heavy Metal Adapters



MVS Connection	Adapter						
	$D_2   D_1$	Boring Connection	$X_1$	$L_1$	$D_5$	Weight	Part No.
	50 - 28	M8 x 1	68.00	55.00	15.00	0.80 (kg)	248147
	50 - 28	M8 x 1	84.00	71.00	19.00	1.00 (kg)	248148
	50 - 28	M8 x 1	104.00	91.00	23.00	1.30 (kg)	248149



 = 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)