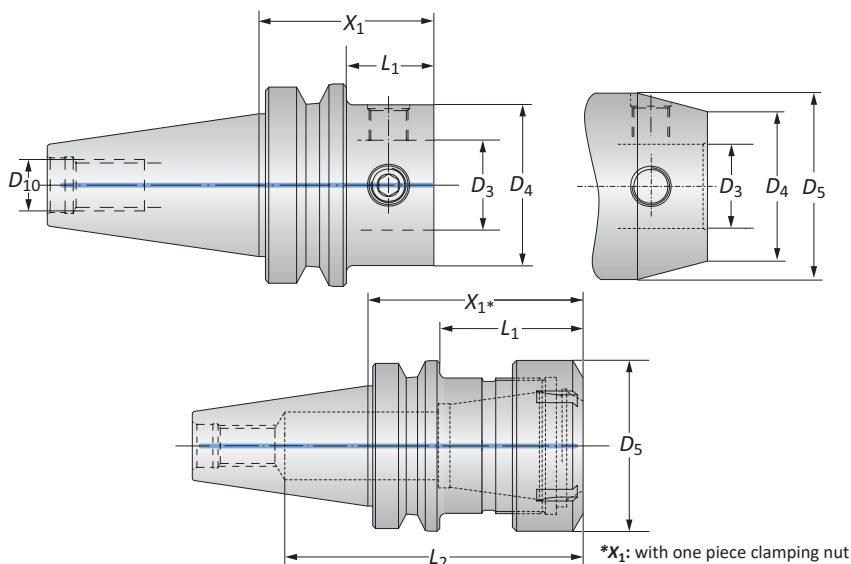


## BT Master Shanks (JIS B 6339)

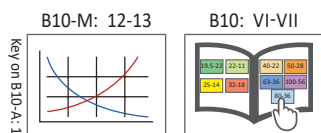
Balanced



Taper Size	Connection $D_4   D_3$	Shank					Weight	Part No.
		$X_1$	$L_1$	$L_2$	$D_5$	$D_{10}$		
30	40 - 22	40.00	18.00	–	–	M12 x 1.75	0.50 (kg)	327012
30	50 - 28	46.00	24.00	–	–	M12 x 1.75	0.60 (kg)	327013
40	40 - 22	46.00	19.00	–	–	M16 x 2	1.10 (kg)	327016
40	50 - 28	54.00	27.00	–	–	M16 x 2	1.20 (kg)	327019
40	63 - 36	64.00	37.00	–	–	M16 x 2	1.50 (kg)	327020
<b>m</b> 40	ER 40	70.00	43.00	104.00	63.00	M16 x 2	1.20 (kg)	259081*
50	50 - 28	65.00	26.80	–	–	M24 x 3	3.90 (kg)	327021
50	63 - 36	75.00	36.80	–	–	M24 x 3	4.20 (kg)	327022
50	80 - 36	75.00	36.80	–	–	M24 x 3	4.70 (kg)	327023
50	100 - 56	90.00	51.80	–	–	M24 x 3	5.50 (kg)	327024
50	ER 40	80.00	41.80	135.00	63.00	M24 x 3	3.80 (kg)	259082*

NOTE: Balanced refers to a specific residual imbalance of  $\leq 4.00$  gmm/kg

\*Balanced without clamping nut



**m** = Metric (mm)

**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*

**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 reducers, 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*

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