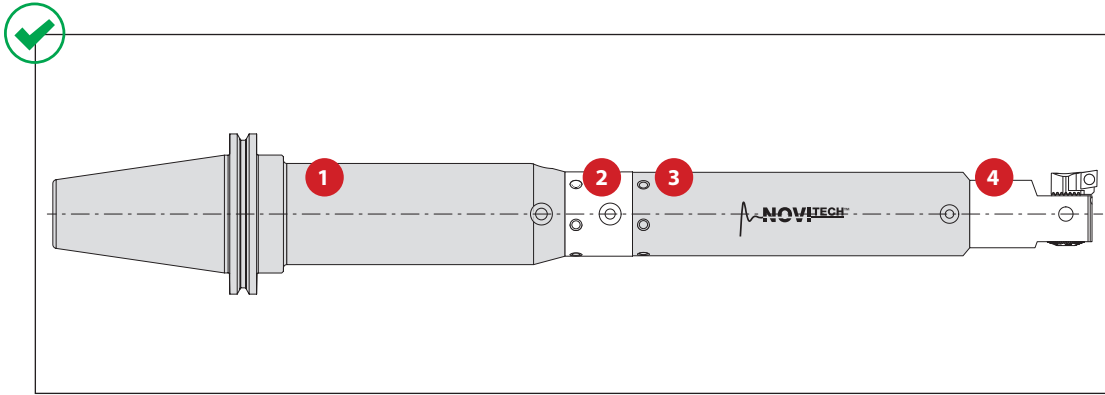


**Calculating Tool Assembly Weight**

To calculate, see graphics below:



**Step 1:** Find weight for each component circled in the example table below

**Example:**

MVS Connection	Boring Range	4 Boring Head						
$D_1 \& D_2$	A	$X_1$	$X_2$	$L_2$	$D_5$	Weight	Part No.	
i 40 - 22	2.087 - 2.598	2.953	1.535	2.854	-	1.543 (lbs)	320004	
ii 40 - 22	53.01 - 65.98	75.00	39.00	72.50	-	0.70 (kg)	320004	

**Step 2:** Calculate total assembly weight

$$\begin{array}{r}
 1 \ 6.6 \text{ kg} \\
 2 \ 0.6 \text{ kg} \\
 3 \ 3.5 \text{ kg} \\
 + 4 \ 0.7 \text{ kg} \\
 \hline
 11.4 \text{ kg}
 \end{array}$$

**Step 3:** Consult machine tool builder to ensure tool assembly weight does not exceed machine capabilities.