

101.7 - Tool Steels (chip form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Description >>	50c Tungsten-Chromium-Vanadium Steel	132b Tool Steel (AISI M2)	134a Molybdenum-Tungsten-Chromium- Vanadium Steel
Unit of Issue >>	150 g	150 g	150 g

Elemental Composition (mass fraction in %)

Arsenic	0.0225		
Carbon	<i>0.7193</i>	0.864	0.808
Chromium	4.128	4.38	3.67
Cobalt	(0.035)	0.029	
Copper	0.0792	0.088	0.101
Manganese	0.3417	0.341	0.218
Molybdenum	0.0821	4.90	8.35
Nickel	0.0686	0.230	0.088
Nitrogen	0.0117		
Phosphorus	0.0222	0.012	0.018
S (Comb)		0.004	0.007
Silicon	0.3102	0.185	0.323
Sulfur	0.006367		0.007 (Grav)
Tin	0.0183		
Tungsten	18.445	6.28	2.00
Vanadium	1.158	1.83	1.25

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only