





TAYLOR TOOL MATERIAL CHART

High speed steels

Only high quality materials are used to produce TAYLOR TOOL HSS tools. Systematic selection of alloying elements ensures the tool possesses the optimal characteristics for the individual application.

Tungsten, Molybdenum: increase tempering- and wear- resistance

Vanadium: increases wear-resistance of finishing tools

Cobalt: enables increased hardening temperatures and improves heat-resistance.

Taylor Tool description	U.S Steel description	Application	Comparable steels			
			German	France	Italy	U.K
нѕѕ	M 2	standard tool material for most common applications	HS 6-5-2 (DMo5)	Z 90 WDCV 06-05-04-02	HS 6-5-2	BM 2
HSCO HSS-E	M 35	high heat-resistance, especially suited for roughing or when coolant insufficient	HS 6-5-2-5 (EMo5Co5)	Z 90 WDKCV 06-05-05-04- 02	HS 6-5-2-5	BM 35
HSS-E	М 3	high friction resistance and cutting edge stability, especially important for reaming operations	S 6-5-3 (EMo5V3)	Z 120 WDCV 06-05-04-03	HS 6-5-3	1
M42	M 42	increased heat resistance and hardness, suitable for difficult-to-machine materials	HS 2-9-1-8	Z 110 DKCWV 09-08-04-02-01	HS 2-9-1-8	BM 42
HSS-E						