

Cold Work Tool Steel

BM1.2510

1.2510 is a tough cold work steel which has high hardenability and does not change much size during any heat treatment. It is relatively inexpensive containing small amounts of manganese, tungsten and chromium.

W.No	1.2510
DIN	100MnCrW4
AISI / SAE	O1
JIS	-

Chemical Composition

0.90-1.15 % C	0.15-0.35 % Si	1.00-1.20 % Mn
0.50-0.70 % Cr	0.05-0.15 % V	0.50-0.70 % W

Applications

- Short run tooling for cold forming dies, blanking dies
- Cutting tools operating at ambient temper
- Drawing punches, broaches
- Paper and wood cutting machine knives
- Tube expander rolls

Heat Treatment Properties

Normalization °C	1080-850
Soft Annealing °C	720-750
Delivery Hardness HB 30	max. 225

Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
780-820	Oil	64

Tempering °C	100	200	300	400	500	600
HRC	64	61	56	51	44	37

İstanbul / Tuzla

ITOSB 3. Cadde No:10 Tepeören Tuzla İstanbul - Türkiye
T. +90 216 593 3060 / +90 216 593 3872 - 80
F. +90 216 593 36 93 / +90 216 593 20 07
info@birlesikmetal.com.tr

İzmir / Aliağa

Aliağa Organize Sanayi Bölgesi 5008 Sokak No:18/2
Alosb Aliağa/İzmir - Türkiye
T. +90 232 570 0986

Bursa / Nilüfer

T. +90 224 441 3012
C. +90 544 414 9034