

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

High mechanical strength at high temperatures.

High resistance to crack and thermal impact.

High tenacity when hot.

Its most common applications are for injection moulds for aluminium, zamak and copper alloys, aluminium extrusion dies, stamps for steel hot forging, injection moulds for large series plastics, mill rolls, hot shear blades, blades and cutting tools for large thicknesses.

DIMENSIONS IN STOCK MM.



21-603



80-403



102x30 - 605x300

APPLICABLE STANDARD

EN ISO 4957

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	V
MIN	0,35	0,25	0,80			4,80	1,20	0,85
MAX	0,42	0,50	1,20	0,030	0,030	5,50	1,50	1,15

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed °C	Quenched °C	Tempered °C
760-820	1020 -1050 Air hot bath oil	525-600

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Maximun hardness : 229 HB

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
X40CrMoV5-1	X40CrMoV5-1	1.2344	F5318		Z40CDV5	BH13	X40CrMoV5 1 1 KU	H13	4X5MΦ1C-Ш

COLOUR CODE

