1.2738

DELIVERY CONDITION

Quenched and tempered.

PROPERTIES AND MOST COMMON APPLICATIONS

Steel for critical pieces requiring delivery hardness.
Good substitute for quenched and hardened alloyed steels (42CrMo4, etc.) in treated condition.
Its most common applications are for injection moulds for plastics and sliding guides (nitrided).

DIMENSIONS IN STOCK MM.

32-603	60-803	50x20 - 705x200

APPLICABLE STANDARD

EN ISO 4957

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni
MIN	0,35	1,30	0,20			1,80	0,15	0,90
MAX	0,45	1,60	0,40	0,030	0,030	2,10	0,25	1,20

HEAT TREATMENTS - APPROXIMATE TEMPERATURES

Annealed ºC	Quenched ºC	Tempered ºC
710-740	830-850 Oil	500-650

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MECHANICAL PROPERTIES

Mechanical properties at room temperature in quenched and tempered condition.

Dimensions		Re (N/mm²)	Rm (N/mm²)		A (%)	Guidance hardness
mm.		min.	min.	max.	min.	HB
> 32	≤ 603	637	931	1127	12	227-331

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
40CrMnNiMo 8-6-4		1.2738	F5303						40ХГ2НМ

COLOUR CODE

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