

2767 ISO-B

SEL	45NiCrMo16
DIN EN ISO 4957	45NiCrMo16
AFNOR	45NCD17
AISI	6F7
BS	EN20B

Chemische Zusammensetzung (Massenanteile in %) Chemical analysis (percentage by mass) Analyse chimique (pourcentage pondéral)

	C	Si	Mn	P	S	Cr	Ni	Mo
Richtwerte Typical values Analyse de réf.	0,45	0,25	0,30	0,025	0,003	1,30	4,00	0,25
Norm	0,40–	0,10–	0,20–	≤	≤	1,20–	3,80–	0,15–
Standard	0,50	0,40	0,50	0,030	0,030	1,50	4,30	0,35

Characteristics

Low-distortion, air through-hardened nickel alloy tool steel with very good toughness; high-polishable for transparent thermoplastics, grain-reliable.

Application

Highly stressed compression and injection moulds such as tailgates, mudguards; mould Inserts for high hardening and abrasive stress. Blanking dies for very thick materials (sheet Steel up to 12 mm thick), billet shearing blades, industrial blades. Cutlery presses and Stamping dies, forging dies, mandrel holders for extrusion mandrels.

Sizes:

Rounds: Dia 10, 20, 30, 40, 50,60, 70, 80, 90 and 100 mm

Flats: Format thickness x Width – all dimensions in MM)

Width → Thickness ↓	100	200	300
20	√	√	√
30	√	√	√
40	√	√	√
50	√	√	√
60	√	√	√
70	√	√	√
80	√	√	√
90	√	√	√
100	√	√	√
110	√	√	√
120	√	√	√
130	√	√	√
√ MEANS AVAILABILITY OF SECTION			