



OMF **Tooling for Forging Industry since 1994**

Manufacturing of forging tools according to drawing

Short times
Offering/Quoting:
2 open days maximum

Delivery time:
4 to 5 weeks at your factory

ISO 9001 : 2000 certification

- Unit control reports
- Traceability



D712-260-GB C



Tooling for Forging Machine

According to drawing machining of forging tooling

Manufactured Products

Dies, cores, inserts,... punches and ejectors



Technical data

Raw material

rapid steel
tungsten carbide

Engraving

AFI - Number of drawing

Packaging

Protected packaging with identifications



Our tungstene carbide grades for forging

ISO	Grade Nuance	COMPOSITION			CARACTÉRISTIQUES	
		Taille (µm)	WC wt %	CO wt %	Density	HARDNESS
					g/cm ³	Dureté HRA
					±0.1	±0.5
Conventional Grades / Nuances traditionnelles						
K01	G1	1,3	95,5	4,5	15,10	93,0
K05	G2	1,3	94,0	6,0	14,95	92,0
K10	G3	1,3	92,0	8,0	14,75	91,0
K20	G4	2,2	90,0	10,0	14,51	90,0
K30	G5	2,2	88,0	12,0	14,31	89,0
K40	SX-5	2,2	84,0	16,0	13,90	87,5
K50	SG6	4,0	85,0	15,0	14,00	86,5
K60	SG7	6,0	83,0	17,0	13,75	85,0
K70	SM7	4,0	80,0	20,0	13,55	84,0
	SM8	5,0	77,0	23,0	13,20	83,0
	SM9	6,0	75,0	25,0	13,05	82,0
Sub micron / Mico grains						
	K05S	1	94,0	5,0	14,95	93,5
	K10S	0,8	93,0	7,0	14,85	92,5
	KF10	0,5	90,0	10,0	14,45	92,5
K05	KF13	0,7	87,0	13,0	14,15	92,0
K10	KF12	0,7	88	12,0	14,20	91,5
K20	KF15	0,7	85,0	15,0	13,95	90,3
Unmagnetic / Amagnétique						
	NM20	1,1	89,5	Ni 10,5	14,45	90,5
	NM40	2,1	83,5	Ni 16,5	13,95	88,0

Wearing



Chocs

• Tungsten carbide core: As sintered - Half finished or finished according to drawing



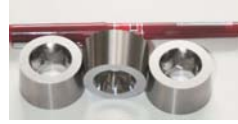
Tooling Performance

All raw material used appear on our each document: Offer/quote, proforma invoice, packing list, etc...

Rapid steel and steel

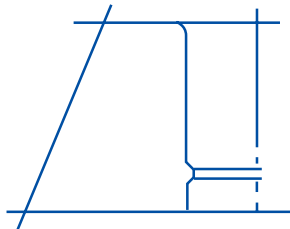
JIS	NF	AIS / ASTM
SKD61	Z40CDV5	H13
SKD11	Z160CDV12	D2
SKD12	Z100CDV5	A2
SKH51	Z85WDCV06050402	M2
SKH52	Z120WDCV06050403	M3
SKH59	Z110DCVWV0908040201	M42

- Other grades are available

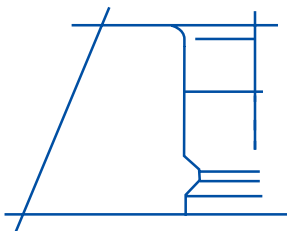


Memo for using our tungsten carbide grades

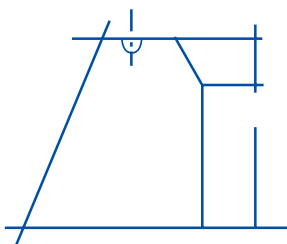
Choice of AFIMÈS' carbide



*Drawing
G3 to G5*



*Forging + Drawing
G5 to SG6*



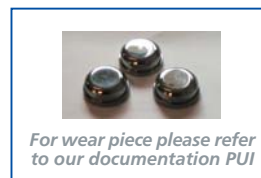
*Forging
SG6 to SM7*



Segmented cores



Cores with coating TIN



For wear piece please refer to our documentation PUI

Our experience

Over ten years experience in cold forging industry

Specialized on tooling for forging industry

Engenering for tooling

Additional services

Supplying managed planed

Scheduled stock and managing of stock

Invoiced delivered pieces as scheduled

Contacts

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Technical and salesman

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Multi cables
transit system



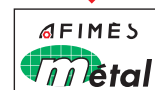
Safe equipments



Bank equipments
and contracting



Safety components
for automation



Industrials Toolings
Tungstene carbide