

SWG	AISI	ASSAB	BOHLER	DAIDO	HITACHI	Chemical Analysis in %								Usual Delivery Condition	Uses
						C	Si	Mn	Cr	Mo	Ni	V	others		
Plastic Mold Steel															
1.2311	P20	[UHB2311]	M201	PX-4	HPM2	~0.40	~0.30	~1.50	~2.00	~0.20				H+T to HRC29-34	For plastic moulds up to thickness 400mm,well polishable,texturing
1.2312	P20+S	HOLDAX	M200	PX5		~0.40	~0.40	~1.50	~1.90	~0.20			S~0.06	H+T to HRC29-34	For plastic moulds, provisory polishable , exellent machinability
1.2738(718HH)	P20+Ni	a6a6a6	M238	PX5-N		~0.38	~0.40	~1.50	~2.00	~0.20	~1.10			H+T to HRC29-34	For plastic moulds bigger than thickness 400mm, highly polishable, texturing
XPM		NIMAX		PAC5000	HPM Magic	~0.27	~0.20	~1.50	~1.30	~0.50	~1.00		adds	H+T to HRC36-40	Improved welding compared to 1.2738, very good polishability
1.2083	420 MOD	S136/STAVAX	M310	S-Star		~0.40	~0.40	~0.80	~13.00					annealed	For anti-corrosive plastic moulds,highly polishable in hardened condition
1.2083 VICTORY ESR	420 ESR	S136/STAVAX	M310	S-Star		~0.40	~0.40	~0.80	~13.00					annealed	Same as 1.2083, improved polishability
1.2083 mod. VICTORY ESR		POLMAX		D-Star	HPM38S	~0.38	~1.00	~0.50	~13.00			~0.25	adds	annealed	Improved corrosive resistance compared to 1.2083,improved polishability
CRMHP VICTORY ESR		S 136 SUPREME	M333			~0.25	~0.30	~0.40	~14.00				N	annealed	Plastic moults,mouls for optical products, for glass industry, corrosionresistance
1.2316			M300		SCS2	~0.36	~0.35	~0.70	~15.50	~1.00	~0.50			H+T toHRC30-34	For anti-corrosive plastic moulds, espeically PVC, also suitable after H+T treatment
1.2316 VICTORY ESR			M300			~0.36	~0.35	~0.70	~15.50	~1.00	~0.50			H+T toHRC30-34	Same as 1.2316, improved microstrcture, improved polishable
1.2316 mod. VICTORY ESR			M303			~0.26	~0.40	~0.90	~15.00	~1.00	~0.70			H+T toHRC28-32	Imporved polishability/corrosive resistance and more homogenous structure than 1.2316v
1.2767		GRANE	K600			~0.45	~0.25	~0.30	~1.30	~0.25	~4.00			annealed	Highly stressed plastic moulds,cutting tools
1.2711						~0.55	~0.20	~0.70	~0.70	~0.30	~1.70	~0.10		H+T to HRC34-38	Oil hardened plastic mould steel,good polishability,higherwear resistance
1.2714	~L6	ALVAR14	W500	GFA	DM	~0.55	~0.20	~0.75	~1.00	~0.45	~1.60	~0.10		H+T to HRC38-42	Swaging dies,hot shears tools for foging, moulds hinh hard 35-38HRC
CPM40 VICTORY ESR			W8PH	NAK80-P	CENA1	~0.07	~1.10	~0.50	~4.00	~1.00	~3.00		adds	H+T to HRC37-42	Age-hardened mould steel for flat screen housings
GEST 80 VICTORY ESR			M461	NAK80	HPM50	~0.14	~0.30	~1.40	~0.30		~2.80		Cu+A1	H+T to HRC38-42	For lens moulds, uniform hardness,excellent dimensional stability
1.2085		RAMAX-S	M314	G-Star	HPM77	~0.33	~0.30	~0.80	~16.00		~0.30		S~0.07	H+T to HRC28-33	Corrosion-resistant, imoved machinaility, mould frame steel
Hot Work Steel															
1.2343	H11	8402/ORVAR 2M	W300	DHA-world		~0.38	~1.00	~0.35	~5.00	~1.30		~0.40		EFS-annealed	Pressure casting, extrusion and injection tools, mandrils, hot shears,moulds for plastics
1.2343 VICTORY ESR	H11ESR	8402/ORVAR 2M	W300Isobloc			~0.38	~1.00	~0.35	~5.00	~1.30		~0.40		EFS-annealed	Because of the isotropic properties for highest application
1.2344	H13	8407 2M/ORVAR 2M	W302		DAC	~0.40	~1.00	~0.35	~5.00	~1.30		~1.00		EFS-annealed	Pressure casting, extrusion and injection tools, mandrils, hot shears
1.2344 VICTORY ESR	H13ESR	8407 SUPREME/ ORVAR SUPREME	W302Isobloc	DHA1-A		~0.40	~1.00	~0.35	~5.00	~1.30		~1.00		EFS-annealed	Because of the isotropic properties for highest application
1.2344 mod.		VIDAR				0.36	~0.35	~0.35	~5.00	~1.20		~0.45		EFS-annealed	Pressure casting tools, extrusion pressing tools, improved toughness compared to 1.2344
1.2347	H13+S			DH2F	FDAC	~0.38	~1.00	~0.40	~5.10	~1.30		~1.00	~0.09	H+T to HRC37-41	Better machinability compared to 1.2344, also in the hardened and tempered condition
EX1 VICTORY ESR		8418/DIEVAR		DH31-EX	DAC55	~0.36	~0.15	~0.25	~5.00	~1.80		~0.50		EFS-annealed	Pressure cating, extrusion and injection tools, high resistance to thermal properties, high level of toughness
EX2 VICTORY ESR						~0.38	~0.20	~0.35	~5.00	~1.70		~0.45		EFS-annealed	Tools fordie casting, tools for extrusion, injection tools
1.2367 VICTORY ESR			W403Isobloc			~0.37	~0.40	~0.40	~5.00	~2.90		~0.50		EFS-annealed	Heavy duty foging dies, extruders, injection tools
Cold Work Steel															
1.2379	D2	KW41/SVERKER-21	K110	DC11	SLD	~1.50	~0.30	~0.40	~11.20	~0.80		~0.90		annealed	Heavy-duty cutting and punching tools, forming rollers, shear blades