



AVAILABLE STEEL MATERIALS

Steel Grade	LKM 2083			Suppli	er	LKI	VI	
Steel Type	Plastic Mould	Steel	Updating Price			Ch	eck	
Standard and Certificate	420	·						
State as Delivered and Hardness	Annealed to H	B 215 - 24	10					
Typical Chemical	Compo	onent		С	Cr	1	Иn	Мо
Composition	Perc	ent:		0.43	13.0) (0.3	Some
Steel Properties	Can be harden	ed to HR	C52,	corrosion	resista	nce, ł	nigh p	olishability.
Steel Applications	Corrosion resis	stance pla	stic	moulds w	ith goo	d polis	habil	ity.
Austenitizing Temperature			Qu	enching l	Method	Oil/	Air	
Tempering	180°C	180°C 225°C 300°C 570°C 610				610°C		
Temperature and Hardness Cross	100					570		0100
Reference	56	56		55		-		

Steel Grade	LKM 2083H		Suppli	er	LKM		
Steel Type	Plastic Mould	Steel	Updating Price Check				
Standard and Certificate	420						
State as Delivered and Hardness	Prehardened to	o HB 280 - :	310				
Typical Chemical	Comp	onent	С	Cr	Mn	Мо	
Composition	Perc	Percent 0.43 13.0 0.3 Son					
Steel Properties	Prehardened ty	ype, corrosi	ion resistand	e, high po	lishabity		
Steel Applications	Corrosion resis	stance plas	tic moulds w	ith good p	olishabil	ity.	
Austenitizing Temperature		C	Quenching	Method			
Tempering							
Temperature and Hardness Cross	180°C	225°C	300°C	5	70°C	610°C	
Reference							
Prehardened Condition							

Steel Grade	LKM 2311		Supplier		LKM		
Steel Type	Plastic Mould	Plastic Mould Steel Updating Price Check					
Standard and Certificate	P20	·					
State as Delivered and Hardness	Prehardened to	o HB 280 - 3	25				
Typical Chemical	Comp	oonent	С	Cr	Mn		Мо
Composition	Per	Percent 0.37 1.9 1.45				0.2	
Steel Properties	Prehardened ty	ype tool stee	l for plastic mo	ould.			
Steel Applications	High quality pl	astic mould v	with long run p	roducti	on.		
Austenitizing Temperature		Q	uenching Met	thod			
Tempering							
Temperature and Hardness Cross	180°C	225 °C	300.C	5	70°C	6	10°C
Reference							
Prehardened Condition							

Steel Grade	LKM 2312		Supplier	L	KM		
Steel Type	Plastic Mould Steel	Updating Price Check					
Standard and Certificate	P20+S						
State as Delivered and Hardness	Prehardened to HB 280) - 325					
Typical Chemical	Component		С	Cr	Mn	Mo	
Composition	Percent						
Steel Properties	Excellent machinability machining.	, most	suitable for	high sp	eed volum	е	
Steel Applications	Plastics moulds for ger	neral u	se and core	parts.			
Austenitizing Temperature		Que	nching Met	hod			
Tempering							
Temperature and Hardness Cross	180°C 225°	C	300°C	57	0.G	610°C	
Reference							
Prehardened Condition							

Steel Grade	LKM 2316		S	upplier		LKM			
Steel Type	Plastic Mould	Plastic Mould Steel Updating Price Check							
Standard and Certificate	SUS 420 J2								
State as Delivered and Hardness	Prehardened t	rehardened to HB 265 - 310							
Typical Chemical	Compo	nent	С	Cr		Ni	Mn	Мо	
Composition	Perce	Percent 0.4 16.0 Some				ome	0.5	1.0	
Steel Properties	Prehardened t	ype, high o	corrosior	resistano	e.				
Steel Applications	High corrosion	resistanc	e plastic	moulds.					
Austenitizing Temperature			Quencl	ning Meth	od				
Tempering									
Temperature and Hardness Cross	180°C	180°C 225°C 300°C 570°C 610°C							
Reference									
Prehardened Condition									

Steel Grade	LKM 2316A		S	upplier		LKM		
Steel Type	Plastic Mould	Steel	Upd	ating Price	е	Check		
Standard and Certificate	SUS 420 J2							
State as Delivered and Hardness	Annealed to H	B 230(max	x.)					
Typical Chemical	Compo	Component C Cr				Ni	Mn	Мо
Composition	Perce						0.5	1.0
Steel Properties	Can be harden	ed to HRC	247, hig	h corrosion	resi	stance.		
Steel Applications	High corrosion	resistanc	e plasti	c moulds.				
Austenitizing Temperature			Quenc	hing Meth	od	Oil / Air		
Tempering	180°C	180°C 225°C 300°C 570°C 61					61	0.G
Temperature and Hardness Cross	47	46		45		-	J1	
Reference								

Steel Grade	LKM 2343			Suppli	er	LKM		
Steel Type	Hot Work Tool	Steel	Updating Price Check					
Standard and Certificate	AISI H11 / DIN	1.2343 /	JIS SI	KD6				
State as Delivered and Hardness	Annealed to H	В 255(ар	prox.)					
Typical Chemical	Compon	ent	С	Si	Cr	Mn	Мо	V
Composition	Percer	•						0.35
Steel Properties	Good high tem to heat checki		streng	th and h	igh tough	ness, go	ood res	sistance
Steel Applications	Suitable for die molds.	casting	for alu	minium	and zinc a	alloys, h	ard pla	stics
Austenitizing Temperature	1010		Quei	nching l	Method	Oil, Air		
Tempering	180°C	180°C 225°C 300°C 570°C 610°C						
Hardness Cross	-	51		51		52		
Austenitizing Temperature Tempering Temperature and	molds. 1010	225*(Quei	aching l	Method	Oil, Air		

Steel Grade	LKM 2343 ES	R		Suppli	er	LKM			
Steel Type	Hot Work Tool	Steel	Up	dating	Price	Check			
Standard and Certificate	ISI H11 / DIN 1	ISI H11 / DIN 1.2343 / JIS SKD6 (ESR)							
State as Delivered and Hardness	Annealed to H	Annealed to HB 255(approx.)							
Typical Chemical	Compon	ent	С	Si	Cr	Mn	Мо	V	
Composition	Percer	nt	0.36	1.0	≤5.0	5.0	1.2	0.35	
Steel Properties	Homogenous s with high polis				opic prope	erty. Go	od plas	stic mold	
Steel Applications	Suitable for die Good for plasti							loys.	
Austenitizing Temperature	1010		Quen	iching l	Method	Oil, Air			
Tempering	180°C	180°C 225°C 300°C 570°C 610°C						10°C	
Temperature and Hardness Cross Reference	-	51		51		52			
Reference									

Steel Grade	LKM 2344			Sup	plier		LKM		
Steel Type	Hot Working S	Steel	Updating Price C				Check		
Standard and Certificate	H13	H13							
State as Delivered and Hardness	Annealed to H	B 180 - 2	10						
Typical Chemical	Compo	nent	(С	Si	Cr	Mn	Мо	V
Composition	Perce	Percent 0.38 1.0 5.0 0.4 1.3					1.0		
Steel Properties	Good high tem	perature	stren	gth, b	est sui	table f	or die ca	sting m	ould.
Steel Applications	Suitable for die	e casting a	and e	extrus	ion for	alumin	ium and	zinc all	oys.
Austenitizing Temperature			Que	enchi	ng Met	thod	Oil / Air		
Tempering	400'0							•·a	
Temperature and	180 C	180°C 225°C 300°C 570°C 610°C						JC	
Hardness Cross Reference	-	51			51		-		
Reference									

Steel Grade	LKM 2344 ESR	Su	pplier		LKM			
Steel Type	Hot Working Steel	Updating Price Check						
Standard and Certificate	AISI H13/1.2344 ESR ·	+ Microdize	ed Anne	aled				
State as Delivered and Hardness	Annealed to HB 225(m	ax.)						
Typical Chemical	Component	С	Si	Cr	Mn	Мо	V	
Composition	Percent						1.0	
Steel Properties								
Steel Applications								
Austenitizing Temperature		Quenchi	ing Met	thod				
Tempering								
Temperature and Hardness Cross	180°C 225°	180°C 225°C 300°C 570°C 610°C						
Reference		,						

Steel Grade	LKM 2344 SU	PER		Sup	pplier		LKM		
Steel Type	Hot Working S	Steel	eel Updating Price Check						
Standard and Certificate	AISI H13/DIN1	AISI H13/DIN1.2344ESR Micro 900 BG-Multi-Block							
State as Delivered and Hardness	Annealed to H	B 225(ma	x)						
Typical Chemical	Compo	nent		С	Si	Cr	Mn	Мо	V
Composition	Perce	Percent 0.38 1.0 5.0 0.4 1.3					1.0		
Steel Properties	High toughnes strength excee			gh ten	nperture	stren	gth, with	high in	npact
Steel Applications									
Austenitizing Temperature			Que	enchi	ng Met	hod	Oil / Air		
Tempering	180°C	180°C 225°C 300°C 570°C 610°C						0.C	
Temperature and Hardness Cross Reference	-	51			51		-	01	

Steel Grade	LKM 2379			Supplier		LKM		
Steel Type	Cold Working	Steel	U	odating Pric	:e	Check	c .	
Standard and Certificate	D2)2						
State as Delivered and Hardness	Annealed to H	В 255(арр	orox.)					
Typical Chemical	Comp	oonent		С	C	r	Мо	V
Composition	Per	Percent 1.55 12.0 0.7					1.0	
Steel Properties	High chromiun	n cold wor	king t	tool steel wit	h goo	d tougl	hness.	
Steel Applications	Suitable for co blanking of hig							and
Austenitizing Temperature			Que	nching Met	hod	Oil / A	Air	
Tempering	180°C	180°C 225°C 300°C 570°C 610						610°C
Temperature and Hardness Cross Reference	62	61		59		-		710 0

Steel Grade	LKM 2510		Supplier		LKM					
Steel Type	Cold Working Steel		Updating Price		Check					
Standard and Certificate	01									
State as Delivered and Hardness	Annealed to HB 230(approx.)									
Typical Chemical Composition	Component			С	Cr	Mn	V	W		
	Percent			0.93	0.6	1.1	0.1	0.6		
Steel Properties	High hardenability and wear resistance cold working tool steel.									
Steel Applications	Shearing blades, cold forming, blanking and punching dies.									
Austenitizing Temperature	Quenching Method Oil									
Tempering Temperature and Hardness Cross	10010 00510					7010				
	180°C	225°C		300°C		570°C	6	610°C		
	62	60		56		-				
Reference										

Steel Grade	LKM 2711		Suppl	LKM						
Steel Type	Plastic Mould Steel		Updating	Check						
Standard and Certificate	P20, Premium									
State as Delivered and Hardness	Prehardened to HB 335-380									
Typical Chemical Composition	Component		С	Cr	Ni	Mn	Мо			
	Percent		0.55	0.7	1.7	8.0	0.25			
Steel Properties	High hardness and high toughness.									
Steel Applications	Suitable for plastic moulds requiring high hardness, high toughness and high polishability, especially suitable for big mould.									
Austenitizing Temperature	Quenching Method									
Tempering										
Temperature and Hardness Cross Reference	180°C	225°C	3000	c	570°C		610°C			
Prehardened Condition										

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