

# Speciální oceli a materiály

## Special steels and materials

**Široký sortiment ze skladu a z výroby i v malých objemech** - Wide range of steel from warehouse or production even in small volumes.

**Technické poradenství** - Technical support

**Dodávky do místa určení** - Door to door delivery

**Válcované a kované tyče** - Rolled and forged bars

**Kruhové** - round

**Čtvercové** - square

**Plochá** - flat

**Mezikruží** - Ring max d 3500mm

**Lesklá ocel** - Bright steel

**Tažené, loupané a broušené tyče** - Drawn, peeled, ground

(Kruhové, čtvercové, ploché, šestihranné) - (Round, square, flat, hexagonal)

**Plechy** - Plates

## Výhradní zastoupení pro ČR a SR pro oceli ROVALMA

Oceli pro plastikářský průmysl + tlakové lití lehkých kovů – benefity těchto ocelí, větší tepelná vodivost, lepší leštitelnost a otěruvzdornost = vyšší počet pracovních cyklů a delší životnost

Značka	Náhrada za ocel	Tvrdość Hrc
HTCS 130DC	1.2343 / 1.2344	52
HTCS 230	1.2343 / 1.2344	52
FASTCOOL 20	1.2311/2312	420HB
FASTCOOL 50	1.2343/2344	54
EFICAST 3	1.2343	45
EFICAST 4	1.2344	45
FECRONI 1400	1.2083	42-44
FECRONI 1800	1.2083	53-56

Oceli pro práci za studena = oceli HWS jsou vyrobené práškovou metodou, ocel ICO 2800 je maragingová ocel, oceli mají celkově lepší houževnatost a otěruvzdornost

Značka	Náhrada za ocel	Tvrdość Hrc
HWS Isotropic	1.2379/1.2363	56-64
HWS Premium	1.2379/1.2363	56-64
ICO 2800	1.2379/1.2363	58-60

MATERIÁL	Tepelná vodivost	Leštitelnost	Otěruvzdornost
1.2343/1.2344			
FASTCOOL 50			
HTCS 130DC			
HTCS 230			
1.2311			
FASTCOOL 20			

MATERIÁL	Tepelná vodivost	Leštitelnost	Otěruvzdornost
1.2083 / AISI420			
FECRONI 1400			
FECRONI 1800			

MATERIÁL	Rázová houževnatost	Abrazivní otěruvzdornost
1.2379		
1.2363		
HWS Isotropic		
HWS Premium		
ICO 2800		

Více informací na našich stránkách

# Nástrojová ocel

W Nr	EN	DIN	ČSN	AISI	POLDI
1.1520	C70U	C70W1	19132		
1.1525	C80U	C80W1	19152		EZR
1.1535	C90U				
1.1545	C105U	C105W1	19191		EZH
1.1554	C110U	C110W			
1.1555	C120U		19221		FS
1.1563	C125U	C125W	19255		
1.1620	C70W2				
1.1625	C80W2		19152		
1.2735		15NiCr14			P6
1.1645	C105W2		19191		EZH
1.1730	C45U	C45W	19083		T6H EXTRA
1.1740	C60U	C60W	19103		T5W EXTRA
1.1830	C85U	C85W			
1.2002	125Cr2	125Cr1			
1.2003	75Cr1				
1.2004	85Cr1				
1.2007	70Cr2				
1.2008	140Cr2	140Cr3	19420		1EXTRA
1.2018	95Cr1				
1.2056		90Cr3	19423		CR
1.2063	145Cr6		19422		EK
1.2067	102Cr6	100Cr6		L3	
1.2080	X210Cr12		19436	D3	2002
1.2082	X21Cr13		19434		
1.2083	X40Cr14	X42Cr13	19433		AK4R
1.2083ESU					
1.2085	X33CrS16				
1.2101	62SiMnCr4		19452		
1.2109		125CrSi5			
1.2127	105MnCr4				
1.2162	21MnCr5		19487		CE4 SPECIAL
1.2162	21MnCr5		19487		CE4 SPECIAL
1.2190					
1.2201	X165CrV12	G-X165CrV12			
1.2206	140CrV1				
1.2208	31CrV2	31CrV3			
1.2210	115CrV3		19421	L2	DS Special
1.2235	80CrV2		19419		
1.2241	51CrMnV4	51CrV4			
1.2242	59CrV4				
1.2243	61CrSiV5				
1.2248	38SiCrV6				
1.2249	45SiCrV6				
1.2294		X5CrS12			
1.2295					
1.2303	100CrMo5		19501	L7	

W Nr	EN	DIN	ČSN	AISI	POLDI
1.2304	85CrMo7				
1.2311	40CrMnMo7		19520	P20	GS3D
1.2312	40CrMnMoS8-6		19520+S	P20+S	GS3S
1.2316	X38CrMo16	X36CrMo17			AK4 MO
1.2319	X64CrMo14				
1.2323	48CrMoV6-7				
1.2327	86CrMoV7				
1.2328	45CrMoV7				
1.2329	46CrSiMoV7				
1.2340	X36CrMoV5-1				
1.2341	6CrMo15-5	X6CrMo4		P4	
1.2343	X37CrMo5-1	X38CrMoV5-1	19552	H11	TLH
1.2343ESU					
1.2344	X40CrMoV5-1		19554	H13	TLI
1.2344ESU					
1.2345	X50CrMoV5-1				
1.2351					
1.2357	50CrMoV13-14		19550	S7	
1.2358	60CrMoV18-5				
1.2360	X48CrMoV8-1-1				
1.2361	X91CrMoV18				
1.2362	X63CrMoV5-1		19569		RAZM
1.2363	X100CrMoV5	X100CrMoV5-1	19571	A2	RAZU
1.2365	32CrMoV12-28	X32CrMoV33	19541	H10	LND
1.2365ESU					
1.2367	X38CrMoV5-3				LNCR
1.2367ESU					
1.2369	81MoCrV42-16				
1.2376	X96CrMoV12				
1.2378	X220CrVMo12-2				
1.2379	X153CrMoV12	X155CrVMo12-1	19573	D2	2002K
1.2380	PMX220CrVMo13-4	X220CrVMo13-4			
1.2381	73MoV5-2				
1.2383	45MoV14-13				
1.2390		X32CrMoV4-1			
1.2397					
1.2410	74CrW1				
1.2419	105WCr6				
1.2436	X210CrW12		19437		2002D
1.2442	115W8				
1.2453		X130W5			
1.2510	100MnCrW4		19314	O1	STABIL K
1.2516	120WV4		19711		
1.2519	110WCrV5				
1.2542	45WCrV7		19732	S1	TENAX N
1.2547	45WCrV7-7				
1.2550	60WCrV8	60WCrV7	19735		TENAX H
1.2562	142WV13			F2	
1.2564	30WCrV15-1		19740		

W Nr	EN	DIN	ČSN	AISI	POLDI
1.2567	30WCrV17-2		19720		
1.2581	X30WCrV9-3		19721	H21	
1.2601	X165CrMoV12		19572		2002N
1.2603	X45CrVMoW5-8				
1.2604	73WCrMoV2-2				
1.2606	X37CrMoV5-1			H12	
1.2622	X60WCrMoV9-4				
1.2631	X50CrMoW9-1-1		-19559		
1.2662	X30WCrCoV9-30				
1.2678	X45CrCoCrWV5-5-5				
1.2690					
1.2695					
1.2703	74NiCr2				
1.2709	X3NiCoMoTi18-9-5				
1.2711	54NiCrMoV6		19662		TBM
1.2713	55NiCrMoV6			L6	
1.2714	55NiCrMoV7	56NiCrMoV7	19663	L6	TBM EXTRA 1
1.2718	55NiCr10		19614		
1.2721	50NiCr13				CNH SPEC. K
1.2726	26NiCrMoV5				
1.2735	15NiCr14			P6	
1.2738	40CrMnNiMo8-6-4		19520+Ni		LDHN
1.2740	28NiCrMoV10		19675		TBM
1.2743	60NiCrMoV12-4				
1.2744	57NiCrMoV7-7				
1.2745	15NiCr18				
1.2746	45NiCrMoV16-6				
1.2762	75CrMoNiW6-7				
1.2764	X19NiCrMo4		-16 720		
1.2766	35NiCrMo16				
1.2767	45NiCrMo16	X45NiCrMo4	19641/ 19655		CNBD
1.2779	X6NiCrTi26-15				
1.2782	X16CrNiSi25-20		17265		
1.2786	X13NiCrSi36-16				
1.2787	X23CrNi17		17145		AK1NISP
1.2791					
1.2795					
1.2796					
1.2823	70Si7				
1.2826	60MnSiCr4				
1.2833	100V1		19356		
1.2835		95V4			
1.2838	145V33				
1.2841					
1.2842	90MnCrV8		19312/ 19313	O2	STABIL SPEC.
1.2880	X165CrCoMo12	X165CrCoMo12			
1.2884	X210CrCoW12				
1.2885	X32CrMoCoV3-3-3				

W Nr	EN	DIN	ČSN	AISI	POLDI
1.2886	X15CrCoMoV10-10-5				
1.2888	X20CoCrWMo10-9				
1.2889	X45CoCrMoV5-5-3				
1.2892					
1.2895					
1.2897					
1.2900					
1.2901	X165CrWV12				
1.2902	X210CrMoV15				
1.2906	X60MoCrW9-4				
1.2929	X55CrMoV2				
1.2930	X65CrMoV5-3-2				
1.2935	75MoMnCr13-8-4				
1.2937	X50CrMoV8-2				
1.2939	X140CrVMo6-6				
1.2965	X115CrVMoW8-3				
1.2968	X120CrWVMo12-2				
1.2990	X100CrMoV8-1-1				
1.2999					
1.3202	HS12-1-4-5	S12-1-4-5	19858	T15	RADECO C
1.3207	HS10-4-3-10	S10-4-3-10	19861		RADECO M10
1.3211		S12-1-2-3			
1.3243	HS6-5-2-5	S6-5-2-5	19852		MAX SPECIAL 75Mo
1.3244	HS6-5-3-8				
1.3246	HS7-4-2-5	S7-4-2-5	19851	M41	MAXSP45
1.3247	HS2-9-1-8	S2-10-1-8		M42	MAXEX42
1.3255	HS18-1-2-5	S18-1-2-5	19855	T4	MAXSP55M
1.3265	HS18-1-2-10	S18-1-2-10	19860	T5	MKH
1.3267		S18-1-2-15			
1.3294	PMHS6-5-3-8				
1.3302	HS12-1-4	S12-1-4	19810		RADECO
1.3316		S9-1-2			
1.3318	HS12-1-2	S12-1-2			
1.3326	HS1-4-2			M52	
1.3330					
1.3333	HS3-3-2	S3-3-2	19820		MAXIMUM MO
1.3342	HS6-5-2C	SC6-5-2	19829	M3	MAXSPMO5H
1.3343	HS6-5-2C	S6-5-2	19830	M2	MAX SPECIAL MO 5
1.3344	HS6-5-3	S6-5-3		M2	
1.3345	HS6-5-3C			M3	
1.3346	HS2-9-1	S2-9-1		M1	
1.3348	HS2-9-2	S-2-9-2		M7	
1.3351	HS6-5-4				
1.3355	HS18-0-1	S18-0-1	19824	T1	MAXSP
1.3391					
1.3395	PMHS6-5-3C				

## Konstrukční ocel

W Nr	EN	DIN	ČSN
1.3505	100Cr6		14109 14100
1.3520	100CrMn6		14209
1.3536	100CrMo7-3		
1.5122	37MnSi5		13240
1.5217	20MnV6		
1.5415	16Mo3		15020
1.5680	X12Ni5	12Ni19	
1.5710	36NiCr6		16240
1.5711	40NiCr6		16240
1.5752	14NiCr13	15NiCr13	16420
1.5810	18NiCr5-4		16220
1.5860	14NiCr18		16523
1.5918	17CrNi6-6		
1.5919	15CrNi6	17CrNi6-6	16321 16220
1.5920	18CrNi8		
1.5924			
1.6354			
1.6359			
1.6510	39NiCrMo3		
1.6523	20NiCrMo2-2	21NiCrMo2	16125
1.6563	41NiCrMo7-3-2		
1.6565	40NiCrMo6		
1.6580	30CrNiMo8		16430
1.6582	34CrNiMo6		16343
1.6587	18CrNiMo7-6	17CrNiMo6	16326
1.6589	34CrNiMo6S		
1.6604			
1.6657	14NiCrMo13-4		
1.6745	40NiMoCr10-5		
1.6757	20NiMoCr6-5		
1.6772	20NiCrMo14-5		
1.6909	X5CrMnNiN18-9		17460
1.6932	28NiCrMoV8-5		
1.6944	40NiCrMo6		
1.6957	27NiCrMoV15-6	26NiCrMoV14-5	
1.6958	26NiCrMo14-6		
1.6959	35NiCrMoV12-5		
1.6981	21CrMoNiV4-7		
1.7033	34Cr4		14141
1.7035	41Cr4		14151 14140
1.7037	34CrS4		
1.7039	41CrS4		
1.7102	54SiCr6		14260
1.7108	61SiCr7	60SiCr7	

W Nr	EN	DIN	ČSN
1.7131	16MnCr5		14220
1.7139	16MnCrS5		
1.7141			
1.7142	16MnCrPb5		
1.7147	20MnCr5		14221
1.7149	20MnCrS5		
1.7160	16MnCrB5		
1.7163	18MnCrB5		
1.7213	25CrMoS4		
1.7218	25CrMo4		15130
1.7219	26CrMo4-2	26CrMo4	
1.7220	34CrMo4		15131
1.7225	42CrMo4		15142
1.7227	42CrMoS4		
1.7228	50CrMo4		15150
1.7258	24CrMo5		
1.7335	13CrMo4-5	13CrMo44	15121
1.7361	32CrMo12		15230
1.7362	X12CrMo5	12CrMo195 X11CrMo5	17102
1.7380	10CrMo9-10		15313
1.7383	11CrMo9-10		
1.7614			15230
1.7707	30CrMoV9		15330 15241
1.7709	21CrMoV5-7		15320
1.7711	40CrMoV4-6	40CrMoV4-7	
1.7729	20CrMoVTiB4-10		
1.7733	24CrMoV5-5		15320
1.7734	15CrMoV6		
1.7735	14CrMoV6-9		15121
1.7736			
1.7765	32CrMoV12-10		
1.8159	51CrV4	50CrV4	15260
1.8504	34CrAl6		14340
1.8509	41CrAlMo7-10		15340
1.8519	31CrMoV9		15330
1.8521	15CrMoV5-9		
1.8550	34CrAlNi7-10		16347
1.8928	S690QL	TstE690V	
			14224
			14230
			14331
			15236
			15241
			16229

## Nerez, žárupevná, žáruvzdorná + speciální ocel

W Nr	EN	DIN	ČSN	AISI
1.3401	X120Mn12		17618	
1.3544	X105CrMo17			440C
1.3813	X40MnCrN19			
1.3817	X40MnCr18		17436	
1.3912	Ni36			
1.3917	Ni42			
1.3922	Ni48			
1.3952	X2CrNiMoN18-14-3			
1.3964	X2CrNiMnMoNNb21-16-5-3			
1.3974	X2CrNiMnMoNNb23-17-6-3			
1.3980	X5NiCrTiMoV26-15			
1.3990	X20NiNbTi36-2			
1.4000	X6Cr13		17020	403 410S
1.4001	X7Cr14		17020	410S 429
1.4002	X6CrAl13			405
1.4003	X2CrNi12	X2CrNi11		
1.4005	X12CrS13			416
1.4006	X12Cr13	X10Cr13	17021	410
1.4016	X6Cr17		17040-41	430
1.4017	X6CrNi17-1			431
1.4021	X20Cr13		17022	420A
1.4024	X15Cr13		17021	420
1.4028	X30Cr13		17023	420F
1.4031	X39Cr13		17024	420
1.4034	X46Cr13		17029	420
1.4044	X15CrNi17-3			431
1.4057	X17CrNi16-2		17145	431
1.4062	X2CrNiN22-2			
1.4104	X14CrMoS17			430F
1.4105	X6CrMoS17			430F
1.4108	X30CrMoN15-1			
1.4109	X70CrMo15			440A
1.4110	X55CrMo14			
1.4112	X90CrMoV18			440B
1.4113	X6CrMo17-1			434
1.4114	X6CrMoS19-2			
1.4116	X50CrMoV15	X45CrMoV15		
1.4117	X38CrMoV15			
1.4120	CX20CrMo13			
1.4122	X39CrMo17-1			
1.4123	X40CrMoVN16-2			
1.4125	X105CrMo17			440C
1.4162	X2CrMnNiN21-5-1	X2CrMnNiN22-5-2		
1.4300	X12CrNi18 8		17241	302
1.4301	X5CrNi18-10		17240	304
1.4303	X4CrNi18-12			305 308
1.4305	X8CrNiS18-9		17243	303
1.4306	X2CrNi19-11		17249	304L

## Nerez, žárupevná, žáruvzdorná + speciální ocel

WNR	EN	DIN	ČSN	AISI
1.4307	X2CrNi18-9			304L
1.4310	X10CrNi18-8		17241	301
1.4311	X2CrNi18-10			304LM
1.4313	X3CrNiMo13-4	X4CrNi134		
1.4318	X2CrNi18-7			301L 301LN
1.4362	Cr23Ni4N			
1.4371	X2CrMnNi17-7-5			202
1.4372	X12CrMnNi17-7-5			201
1.4401	X5CrNiMo17-12-2		17346	316
1.4404	X2CrNiMo17-12-2	X2CrNiMo17-13-2	17349	316L
1.4406	X2CrNiMo17-11-2			316LN
1.4408	GX5CrNiMo19-11-2	G-X6CrNiMo1810		
1.4410	X2CrNiMoN25-7-4			
1.4415	X2CrNiMoV13-5-2			
1.4418	X4CrNiMo16-5-1	X4CrNiMo165		
1.4419	X38CrMo14			
1.4429	X2CrNiMo17-13-3			316LN
1.4432	X2CrNiMo17-12-3			316L
1.4435	X2CrNiMo18-14-3		17350	316L
1.4436	X3CrNiMo17-13-3		17352	316
1.4438	X2CrNiMo18-15-4			317L
1.4439	X2CrNiMo17-13-5			317LMN
1.4441	X2CrNiMo18-15-3			
1.4449	X3CrNiMo18-12-3			317 317L
1.4460	X3CrNiMoN27-5-2	X4CrNiMoN2752		329
1.4462	X2CrNiMoN22-5-3			
1.4501	X2CrNiMoCuWN25-7-4			
1.4509	X2CrTiNb18	X6CrTiNb18		441
1.4510	X3CrTi17	X6CrTi17		439 430Ti
1.4512	X2CrTi12			409
1.4521	X2CrMoTi18-2			443 444
1.4525	CX5CrNiCu16-4	CX4CrNiCuNb16-4		
1.4526	X6CrMoNb17-1			436
1.4529	X1NiCrMoCuN25-20-7	Alloy 926		
1.4532	X8CrNiMoAl15-7-2	X7CrNiMoAl157		632
1.4534	X3CrNiMoAl13-8-2			XM-13
1.4539	X1NiCrMoCu25-20-5	X1NiCrMoCuN25205		904L
1.4541	X6CrNiTi18-10		17246 17247 17248	321
1.4542	X5CrNiCuNb16-4	X5CrNiCuNb174		630
1.4543	X3CrNiCuTiNb12-9	X3CrNiCuTi12-9		XM-16
1.4544				321
1.4545	X5CrNiCu15-5			XM-12
1.4546	X5CrNiNb18-10			347 348 H
1.4547	X1CrNiMoCuN20-18-71			
1.4548	X5CrNiCu17-4	X5CrNiCuNb17-4-4		630
1.4550	X6CrNiNb18-10		17245	347 348H
1.4562	X1NiCrMoCu32-28-7	Alloy 31		
1.4563	X1NiCrMoCu31-27-4	X1NiCrMoCuN31274		
1.4567	X3CrNiCu18-9-4	X3CrNiCu189		304Cu XM-7
1.4568	X7CrNiAl17-7			631
1.4570	X6CrNiCu18-9-2			

## Nerez, žárupevná, žáruvzdorná + speciální ocel Slitiny niklu a titanu

WNR	EN	DIN	ČSN	AISI
1.4571	X6CrNiMoTi17-12-2		17347 17348	316Ti
1.4580	X6CrNiMoNb17-12-2			316Cb
1.4594	X5CrNiMoCuNb14-5			
1.4616	X8CrMnCuNi16-9			
1.4618	X9CrMnNiCu17-8-5-2			
1.4621	X2CrNbCu21			445
1.4713	X10CrAlSi7	X10CrAl7	17113	
1.4718	X45CrSi9-3		17115	
1.4724	X10CrAlSi13	X10CrAl13	17125	
1.4731	X40CrSiMo10-2			
1.4742	X10CrAlSi18	X10CrAl18		
1.4747	X80CrNiSi20			
1.4748	X85CrMoV18-2			
1.4749	X18CrN28			446
1.4762	X10CrAlSi25	X10CrAl24		446
1.4765	CrAl255	X8CrAl25-5		
1.4785	X60CrMnMoVNbN21-10			
1.4799				
1.4821	X15CrNiSi25-4	X20CrNiSi25-4		
1.4828	X15CrNiSi20-12		17251	309
1.4833	X12CrNi23-13	X7CrNi2314		309S
1.4835	X9CrNiSiN21-11-2	X10CrNiSiN21-11		
1.4841	X15CrNiSi25-21	X15CrNiSi25-20	17255	310 314
1.4845	X8CrNi25-21	X12CrNi25-21	17255	310S
1.4862	X8NiCrSi38-18			
1.4864	X12NiCrSi35-16	X12NiCrSi36-16	17253	330
1.4866	X33CrNiMnN23-8			
1.4870	X53CrMnNiNbN21-9			
1.4871	X53CrMnNiN21-9		17465	
1.4873	X45CrNiW18-9			
1.4875	X55CrMnNiN20-8			
1.4876	X10NiCrAlTi32-21	X10NiCrAlTi32-20 Alloy 800H		
1.4878	X8CrNiTi18-10	X12CrNiTi18-9	17246	321H
1.4881	X70CrMnNiN21-6			
1.4882	X50CrMnNiNbN21-9			
1.4901	X10CrWMoVNb9-2	X10CrWMoV9-2		
1.4903	X10CrMoVNb9-1			
1.4910	X3CrNiMoBN17-13-3	X3CrNiMoBN17-13		
1.4913	X19CrMoNbVN11-1			
1.4922	X20CrMoV11-1	X20CrMoV12-1	17134	
1.4923	X22CrMoV12-1	X21CrMoNiV12-1	17134	
1.4933				
1.4944	X6NiCrTiMoV26-15			660
1.4948	X6CrNi18-10	X6CrNi18-11		304H
1.4958	X5NiCrAlTi31-20			
1.4959	X8NiCrAlTi32-21			
1.4961	X8CrNiNb16-13			347H
1.4980	X6NiCrTiMoVB25-15-2	X5NiCrTi26-15		660 663
1.4981	X8CrNiMoNb16-16			
1.4986	X7CrNiMoBNb16-16	X8CrNiMoBNb16-16		
1.4988	X8CrNiMoVNb16-13			

WNR	Obch. Název	UNS
2.4068	Alloy 201	N02201
2.4360	Alloy 400	N04400
2.4375	Alloy K500	N05500
2.4602	Alloy 22	N06022
2.4605	Alloy 59	N06059
2.4610	Alloy C4	N06455
2.4630	Alloy 75	N06075
2.4632	Alloy 90	N07090
2.4660	Alloy 20	N08020
2.4663	Alloy 617	N06617
2.4665	Alloy HX	N06002
2.4668	Alloy 718	N07718
2.4816	Alloy 600	N06600
2.4819	Alloy C-276	N10276
2.4851	Alloy 601	N06601
2.4852	Alloy 925	N09925
2.4856	Alloy 625	N06625
2.4858	Alloy 825	N08825
2.4869	Alloy 80/20	N06003
2.4951	Alloy 75	N06075
2.4952	Alloy 80A	N07080
3.7035	Titan Grade 2	R50400
3.7164	Titan grade 5	R56400
3.7165	Titan grade 5	R56400
3.7235	Titan Grade 7	R52400
	Titan Grade 5 ELI	