



BGH (BoschGotthardsHuette) is a privately held, German-based specialty steel mill with six production plants in Europe. Our fully integrated production process – from melting to the final product – guarantees the highest quality specialty steel. Our products range from fine wire to forged bars as well as open-die forgings.

Customized logistic solutions are available to serve your business from several European and American stocking locations. We have a global distribution network and have been successfully operating on an international level for decades.

**WORLD CLASS SERVICE WITH
GERMAN COMMITMENT TO QUALITY AND TECHNOLOGY**

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PREMIUM STEEL
for Tools



**COLD AND HOT WORKING STEEL
PLASTIC MOULD STEEL**



**WE PRODUCE
TOOL STEEL**

- With optimized metallurgy we achieve highest levels of cleanliness and very homogeneous microstructures. For toughest requirements re-melting via ESR-, pressurized ESR- or VAR-process can be added.
- With several centuries of company history, BGH rightfully calls rolling and forging of round-, flat or square bars its core competencies. With latest equipment and continuously improved manufacturing procedures we make tool steel from small diameter rounds to several tons heavy forged blocks.
- Chemical analysis, heat treatment and delivery condition can be tailored to customer specific requirements.
- All steel is 100% UT-tested on state-of-the-art automatic testing equipment.

**WE DELIVER
SERVICE**

- Our flexible production capabilities and high warehousing capacities allow us to offer individual logistic solutions.
- Short delivery times, cutting and pre-machining to customer needs are available from our service center, SL Stahl in Isernhagen, Germany.

**WE OFFER
EXPERTISE**

- Application driven R&D provides continuous improvement of our products and will also find a solution for your requirements.
- For any questions regarding tool steel, don't hesitate to contact us!

Courtesy by Phoenix International SPA



STEEL GRADES (other grades available upon request)

Cold Working Steel									
DIN EN ISO 4957		AISI (≈)	C	Si	Mn	Cr	Mo	V	Ni
1.2379	X153CrMoV12	D2	1.53	0.40	0.30	12.00	0.80	0.95	
1.2721	50NiCr13		0.50	0.25	0.50	1.00			3.20
1.2767	45NiCrMo 16	6F7	0.45	0.25	0.30	1.30	0.25		4.00
1.2826	60MnSiCr 4		0.60	0.90	1.00	0.30			
1.2842	90MnCrV 8		0.90	0.25	2.00	0.30		0.10	
1.2360	X48CrMoV8-1-1		0.48	0.80	0.40	7.50	1.40	1.40	

Hot Working Steel									
DIN EN ISO 4957		AISI (≈)	C	Si	Mn	Cr	Mo	V	Ni
1.2329	46CrSiMoV7		0.46	0.70	0.70	1.70	0.30	0.20	0.50
1.2343	X37CrMoV5-1	H11	0.37	1.00	0.40	5.20	1.30	0.40	
1.2344	X40CrMoV5-1	H13	0.40	1.00	0.40	5.20	1.30	1.00	
1.2365	32CrMoV12-28	H10	0.32	0.25	3.00	3.00	2.90	0.55	
1.2367	X38CrMoV5-3		0.38	0.35	0.40	5.00	3.00	0.55	
1.2714	55NiCrMoV 7	L6	0.55	0.25	0.80	1.10	0.50	0.10	1.60

Plastic Mould Steel									
DIN EN ISO 4957		AISI (≈)	C	Si	Mn	Cr	Mo	V	Ni
1.2311	40CrMnMo7	P20	0.40	0.30	1.50	1.90	0.20		
1.2312	40CrMnMoS8-6	P20 + S	0.40	0.40	1.50	1.90	0.20		S ≈ 0.08
1.2738	40CrMnNiMo8-6-4	P20 + Ni	0.40	0.30	1.50	1.90	0.20		1.00
1.2083	X40Cr14		0.38	0.35	0.50	12,60			
1.2316	X38CrMo16		0.38	0.30	0.70	16.00	1.20		0.50

BGH Special Alloys										
Name	Products	Properties	C	Si	Mn	Cr	Mo	V	Ni	W
BGH Tough One	hot working steel	increased toughness	0.35	0.15	0.35	5.00	1.90	0.55		
BGH Cut One®	cold working steel	increased wear resistance	1.10	1.10	0.30	7.80	1.40	2.30	<0.3	1.15
BGH 2316 mod.	plastic mould steel	increased corrosion resistance	0.30	0.25	0.80	14.00	1.00		0.80	
BGH 2738 mod.	plastic mould steel	increased hardness	0.30	0.13	1.50	1.65	0.50		1.05	

(Content in mass-%)

SIZES

Round	rolled	dia. 14 - 155 mm
	forged	max. dia. 900 mm
Flat	rolled	30 - 250 mm x 5 - 72 mm
	forged	50 - 1300 mm x 30 - 880 mm
Square	rolled	17 - 70 mm
	forged	max. 800 mm

Round	drawn	dia. 1 - 17 mm
	drawn/ground	dia. 1 - 16 mm
	ground	dia. 12 - 70 mm
	ground/polished	dia. 12 - 35 mm
	peeled/turned	dia. max. 880 mm
	dressed/polished	dia. 12 - 70 mm