

Metal-Bond Grinding Wheels, C06



Characteristics

Metal-bond grinding wheels are characterized by high hardness, high productivity, and excellent machining efficiency. These products can be used for processing a variety of materials, such as steel, glass, concrete, and others. In these grinding wheels, high-quality diamond or cubic boron nitride (CBN) abrasive grains are embedded in a metal bond. Due to their high hardness, grinding with these wheels should be performed with coolant to ensure proper process efficiency and performance.

Metal-bond grinding wheels are tools widely used across many industrial sectors. They are particularly common in applications involving metal and concrete processing. Thanks to their design and the materials used in their manufacture, they enable efficient and precise grinding, cutting, and surface finishing. Their exceptional hardness and wear resistance make them indispensable in demanding industrial environments. However, the use of metal-bond grinding wheels requires appropriate knowledge and experience in order to maximize performance and extend service life.

Metal Grinding Wheels – Essential Tools

Metal grinding wheels are an essential component in any workshop involved in metalworking. They enable precise grinding, polishing, and removal of surface irregularities from metal components. Their applications span numerous industries, from automotive manufacturing to machinery construction. These grinding wheels are resistant to heavy loads and high temperatures, making them suitable for demanding industrial environments. Proper wheel selection—depending on the type of metal and the desired final result—is crucial. Our product range includes grinding wheels in various grit sizes and dimensions, allowing precise matching of the tool to specific applications.



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Concrete Grinding Wheels – Performance and Durability

Concrete grinding wheels are essential tools in construction and renovation work where high precision and efficiency are required. Thanks to their specialized design and the use of appropriate materials, these wheels enable fast and accurate cutting and grinding of concrete. They are indispensable in renovation projects as well as in new construction. Their wear resistance and ability to operate under demanding conditions make them highly valued by professionals. Our product range includes concrete grinding wheels tailored to a variety of applications, ensuring efficient execution of any task related to concrete processing.

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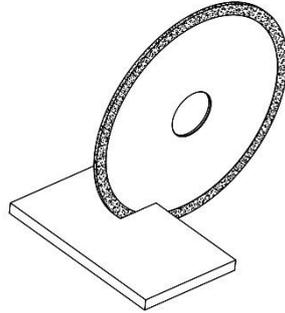
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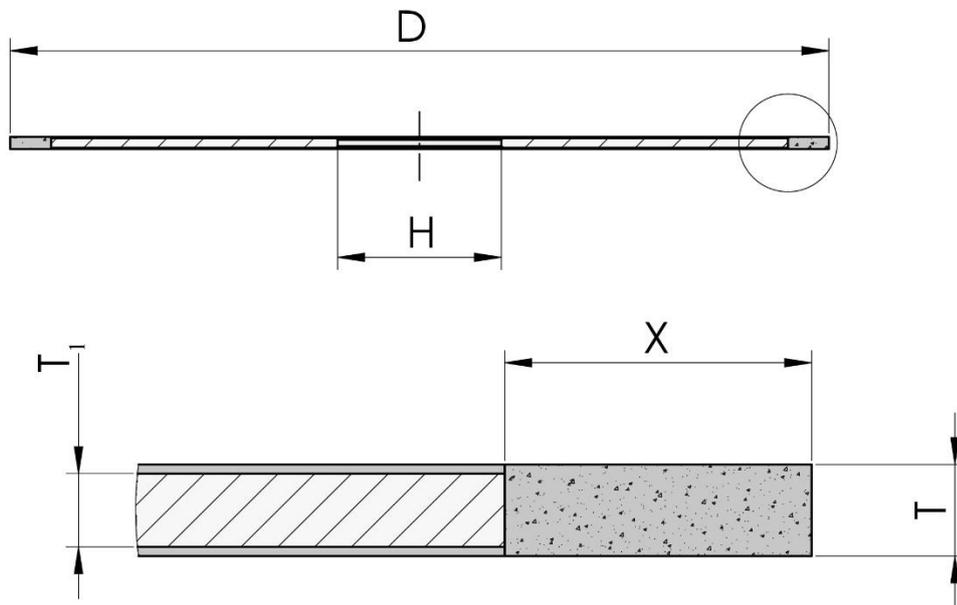
Grinding Wheels – Type 1A1R

Application

The Type **1A1R** grinding wheel is intended for cutting operations.



Dimensions



D	T	X	H
125	0,5	5	as per order
150	1 1,2	5	as per order
200	1,5	6	as per order

Order Example

Wheel type	DTXH	Body	Grain	Concentration	Binder	Assortment
1A1R	150x1x5x20	KS	D107	K75	M	1A1R-150x1x5x20 KS D107 K75 M
1A1R	200x1,5x6x32	KS	B107	V180	M	1A1R-200x1,5x6x32 KS B107 V180 M



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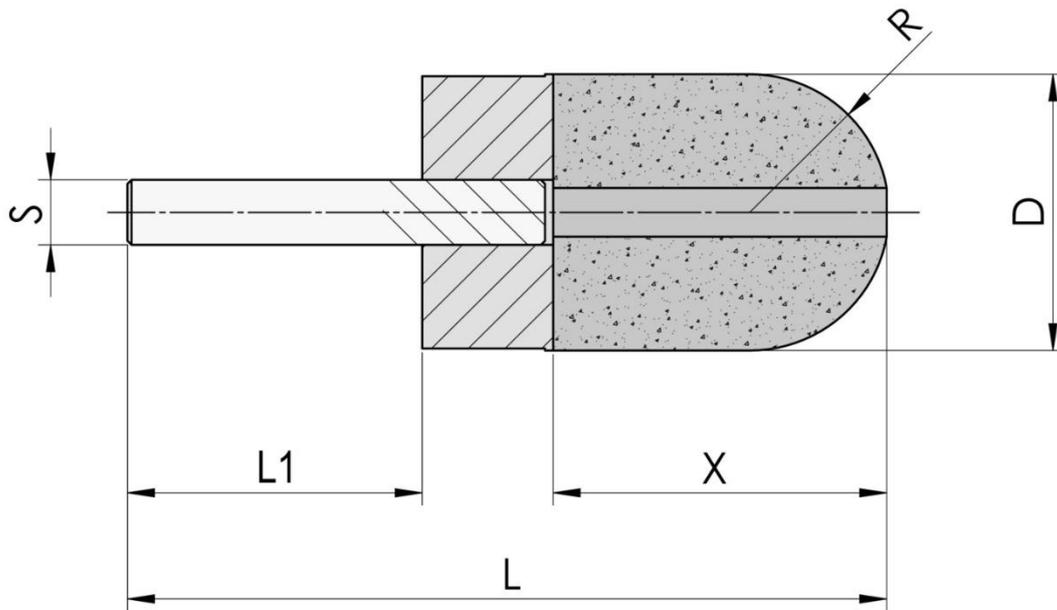
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Grinding Wheels – Type 1A1W

Application

Type **1A1W** grinding wheels can be used for grinding the ends of springs made of spring steel and can also be successfully applied to the machining of other materials with comparable hardness.

Dimensions



D	X	R	L	S	L1
22	37	11	80	8	36
24	40	12	85	8	36
26	40	13	85	8	36
28	40	14	85	8	36
30	40	15	94	8	36
34	40	17	94	8	36

Order Example

Wheel type	D X R L S / L1	Body	Grain	Concentration	Binder	Assortment
1A1W	22x37x11x80x8/36	KS	B427	V180	M	1A1W-22x37x11x80x8/36 B427 V180 M
1A1W	34x40x17x94x8/36	KS	B427	V180	M	1A1W-34x40x17x94x8/36 B427 K100 M



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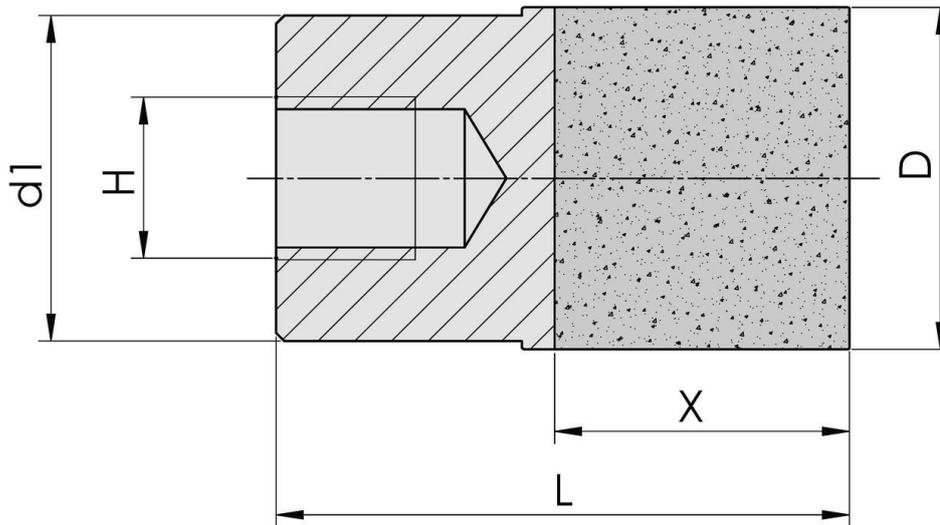
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Grinding Wheels – Type 1A1WS

Application

Type **1A1WS** grinding wheels operate in sets mounted on specialized heads and are used for concrete processing.

Dimensions



D	L	X	d1	L1
23	30	12,5	20	M10
23	33	15,5	20	M10

Order Example

Wheel type	D X L H	Body	Grain	Concentration	Binder	Assortment
1A1WS	23x12,5x30xM10	-	D356	K100	M	1A1WS-23x12,5x30xM10 D356 K100 M
1A1WS	23x15,5x33xM10	-	D356	K100	M	1A1WS-23x15,5x33xM10 D356 K100 M



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Grinding Wheel Selection Guide

In metal-bond grinding wheels (M), we use steel cores (KS), as these wheels are characterized by high hardness and strength of the abrasive layer and are frequently operated under heavy loads.

Product Coding Description

Metal-bond grinding wheels are designated according to the table containing the description of the respective product range.

The grit size and concentration are selected based on the general tables.

Recommended grit concentrations are K75, K100, K125 for diamond and V120, V180, V240 for cubic boron nitride (CBN).

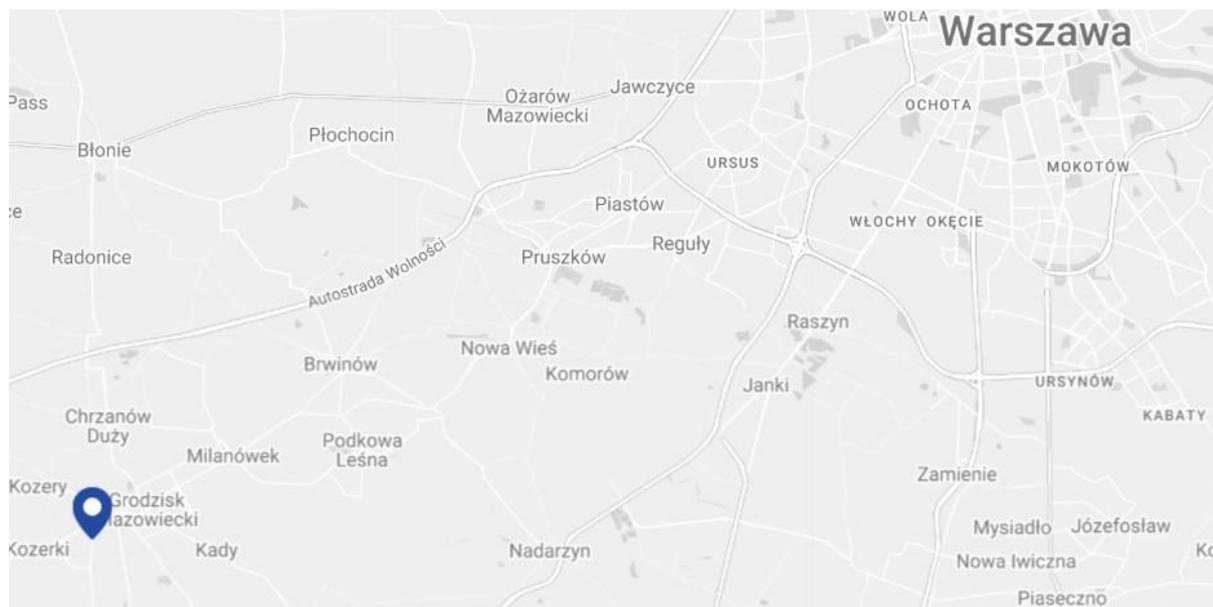
Ordering

If the grinding wheel you are looking for is not included in our offer, it can be manufactured to **your specific order**. The page presents examples of the most popular products from our product range.



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