



Catalogue



Beveltools, the Game Changer

Regardless of whether you are bevelling or rounding metal, Beveltools' innovative patented technology creates a true revolution!

The current methods for weld preparation, rounding and bevelling are physically demanding, inaccurate and time-consuming.

It should be possible to do this differently...

That is why Beveltools has developed 2 compact and ergonomic concepts, Bevel Mate® and Bevel Mite®. They make weld preparation, bevelling and rounding metal easier, faster, more accurate and cheaper.

With Beveltools your company will be ready for the future.

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Beveltools, the Game Changer

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The Game Changer

Weld preparation and bevelling

Welding remains a professional's job. Not everybody can create strong and clean weld. It all starts with a perfect bevel.

By introducing the norm NEN-EN 190 a good welding becomes more important, due to the specific requirements to manufacture steel and aluminum construction components.

The new concepts from Beveltools provide a perfectly bevelled edge with significantly decreased labor-time and effort.

- ✓ **Consistent and accurate angle**

The consistent and accurate angle given to the metal by products of Beveltools provides a stronger welded joint.

- ✓ **Machine quality finish without contamination**

A better welded joint is created through reduced encapsulation in the weld, because Beveltools products do not contaminate the metal.



- ✓ **Fast and flexible**

Fast and perfect bevelling; on average 4 feet of bevelling can be done in 1 minute. The machine is adjusted and the bevel heads are replaced in a matter of seconds.

- ✓ **No finishing and no discoloration**

A perfect end result is achieved, without additional finishing. Discolouration is prevented through reduced-sparking machining that adds hardly any heat to the material.

- ✓ **Better working conditions**

Lightweight and almost vibration-free. The chips are large enough to immediately drop to the ground. No hazardous dust particles and/or combustion gases are released.



Rounding

For both IMP PSC norm as ISO 12944 an evenly rounding is essential. Only with the products of Beveltools you can rapidly achieve a constant quality when rounding metal.

- ✓ **Fast and flexible**

Rounding small openings from a diameter of 18 mm becomes child's play due to the compact and lightweight design. Rounding metal now has an unprecedented degree of flexibility.

- ✓ **Better working conditions**

Lightweight and almost vibration-free. The chips are large enough to immediately drop to the ground. No hazardous dust particles and/or combustion gases are released.

- ✓ **Uniform quality**

A larger bonding surface is created for paint and coatings due to the uniform radius. Additionally, penetration protection is not required any longer to prevent chafing when feeding through cables, wiring and/or piping.

- ✓ **No finishing**

When using products of Beveltools, the final result is smooth, perfect and consistent, eliminating the need for finishing.



Are you interested and curious about which of the Beveltools concepts best suits your application and work?

- ✓ Have a look on the next few pages, which explain both concepts, Bevel Mate® and Bevel Mite®.
- ✓ Visit our website www.beveltools.com for more information and various demonstration videos.
- ✓ Or contact us for a demonstration at your business location.

Beveltools, the Game Changer



Materials

Would you always like to achieve the best and consistent end results when preparing an edge, beveling or rounding? With the Beveltools bevel heads, this can always be done quickly and cheaply, regardless of the metal type.

Beveltools currently has 3 types of bevel heads:

- ✓ Steel
- ✓ Aluminum
- ✓ Premium

All types of bevel heads are available for the Bevel Mite® (max depth 6 mm) and Bevel Mate® (max depth 12 mm) concepts.

Bevel angle : 15° -22,5° -30° -37,5° -45° -52,5° -60°
Bevel radius: R2 - R3 - R4



Steel

The first bevel heads in the Beveltools range were the bevel heads for steel. The Beveltools bevel heads for steel are suitable for beveling and rounding the most common types of steel, for example ST37.

The steel bevel heads are not that suitable for rounding and beveling harder steel types. For optimum results on these steel types, we recommend the Premium bevel head.



Aluminum

The characteristics of non-ferrous metals, such as aluminum, lead to the material sticking to the cutting surfaces of the bevel heads for steel. That is why Beveltools has developed a bevel head with the perfect cutting angle for this group of metals.

The combination of the correct geometry and coating ensure that rounding or beveling can be performed consistently on aluminum in any hardness, without the use of any lubricant.

New: Premium bevel head



Plasma-/ laser-cut steel

The harder steel types, plasma-/laser-cut steel and stainless steel, led to a reduced tool life of the bevel head for steel and resulted in sparking.

The Beveltools R&D department has worked hard on improving the application of the patented technology on harder steel types. With the Premium bevel head, Beveltools has managed to create a bevel head with a broader area of application and exceptional performance. As a result, the Beveltools bevel head can now be used on a wider range of steel types.

The tool life of the new Premium bevel head has been improved by 150-200% compared to the steel bevel head.

This revolutionary next generation of bevel heads has been produced with the latest state-of-the-art hard metal components, grinding technology and coatings.



Stainless steel



“The Bevel Mate® EBA-12 with the Premium bevel head operates 50% faster and is considerably smoother than using a sanding belt without producing grinding dust. The end result has an exact radius and is continuous without burrs, eliminating the need for finishing.”

For the best end result, it is highly important to choose the right bevel head that is the most suitable for the job at hand. The diagram below is a guide for making the right choice.

	S235	>S355	Plasma/ laser cut staal	RVS 304	RVS 316	Non-ferro metalen
STL	😊😊	😊	😊	😞	😞	😞
Premium	😊😊😊	😊😊😊	😊😊😊	😊😊	😊	😞
ALU	😞	😞	😞	😞	😞	😊😊😊

In the field



After testing, Luma Hengelo BV enthusiastically switched to the Bevel Mate® EBA-12 with Premium bevel heads. Not only was the more than 300 meters achieved on ST52 laser-cut products decisive, the fact that the Bevel Mate® EBA-12 is easier and lighter to use than the current machine, its user-friendliness and the reduction of operating vibrations also played a role in the decision.



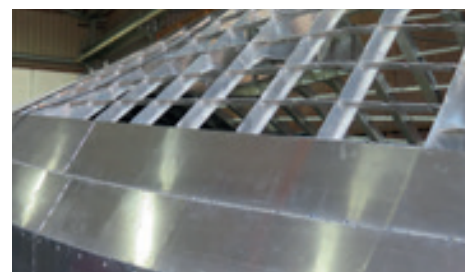
“We can now keep beveling without turning and swapping the cutting tips. It really saves us a lot of time and therefore money. We are very happy with these new Premium bevel heads and we will definitely keep using them.”



The employees of Next Generation Shipyards are known as builders of seaworthy workboats.

All ships of NG Shipyards are built to certification under strict requirements, including the quality of welding. To meet the required quality, good weld preparation is needed.

For paint applications, the rounding of sharp edges is necessary. These edges are also rounded to prevent injury and make the look more pleasing to the eye.



Dirk Keizer, project manager and member of the management team: “During the demonstration of the Beveltools products we became enthusiastic, seeing the impeccable end result. We have been working with the Bevel Mite® ABIS-06 for a while now and we are very pleased with it. It helps us to raise our quality level, saving us time and money. It was definitely worth trading the grinding disc for this machine.”





For lighter bevelling and rounding work up to a depth of 6 mm, you can use the Bevel Mite® concept. The Bevel Mite® concept is highly compact and manoeuvrable, and is available in 2 super lightweight models; with an electric (EBI-06) and a pneumatic motor (ABIS-06).



Bevel Mite® EBI-06



Variable speed



Supplied in a luxury case



BEVEL MITE®		EBI-06
Part no.		1031000
Motor		Elektric
Max. bevel depth		6 mm
Bevel radius		R2 - R3 - R4
Bevel angle		15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure		-
Air consumption		-
Power		500 W
Voltage		230 V / 120 V
Speed		11.000 rpm
Weight		1,6 kg
Min. pipe/opening diameter		22 mm
Price		€ 599,00



Premium

The Bevel Mite® Premium concept has unique features;

- ✓ a precise depth adjustment in 0,1 mm increments,
- ✓ the new spindle makes changing the bevel head even simpler and quicker
- ✓ and a rotating flange head.



Bevel Tip

Visit our website www.beveltools.com/bevelmite/ for more information, sales outlets, user manuals and demonstration videos for both products.

Bevel Mite® EBI-06 Premium



Precise depth adjustment



New spindle



BEVEL MITE®		EBI-06 Premium
Part no.		1031010
Motor		Elektric
Max. bevel depth		6 mm
Bevel radius		R2 - R3 - R4
Bevel angle		15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure		-
Air consumption		-
Power		500 W
Voltage		230 V / 120 V
Speed		11.000 rpm
Weight		2,0 kg
Min. pipe/opening diameter		22 mm
Price		€ 799,00



Premium



Bevel Mite® ABIS-06



Safety lever



Supplied in a luxury case



ABIS-06

Part no.	1122000
Motor	Pneumatic
Max. bevel depth	6 mm
Bevel radius	R2 - R3 - R4
Bevel angle	15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure	6 bar
Air consumption	310 ltr/min
Power	0,5 PK / 0,38 Kw
Voltage	-
Speed	25.000 rpm
Weight	0,8 kg
Min. pipe/opening diameter	22 mm
Price	€ 398,00



Bevel Mite® ABIS-06 Premium



Precise depth adjustment



New spindle



Bevel Tip

Visit our website
www.beveltools.com/bevelmite/
for more information, sales outlets,
user manuals and demonstration
videos for both products.



ABIS-06






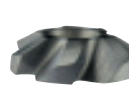






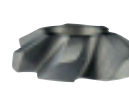






















Part no.	1122010
Motor	Pneumatic
Max. bevel depth	6 mm
Bevel radius	R2 - R3 - R4
Bevel angle	15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure	6 bar
Air consumption	310 ltr/min
Power	0,5 PK / 0,38 Kw
Voltage	-
Speed	25.000 rpm
Weight	1,1 kg
Min. pipe/opening diameter	22 mm
Price	€ 598,00



Bevel heads



	  	 	 
Type	15-06-STL	15-06-ALU	15-06-PREMIUM
Part no.	7106000	7106010	7106020
Price	€ 89,00	€ 99,00	€ 109,00
	  	 	 
Type	22-06-STL	22-06-ALU	22-06-PREMIUM
Part no.	7107000	7107010	7107020
Price	€ 89,00	€ 99,00	€ 109,00
	  	 	 
Type	30-06-STL	30-06-ALU	30-06-PREMIUM
Part no.	7104000	7104010	7104020
Price	€ 89,00	€ 99,00	€ 109,00
	  	 	 
Type	37-06-STL	37-06-STL	37-06-PREMIUM
Part no.	7103000	7103010	7103020
Price	€ 99,00	€ 109,00	€ 119,00
	  	 	 
Type	45-06-STL	45-06-ALU	45-06-PREMIUM
Part no.	7102000	7102010	7102020
Price	€ 99,00	€ 109,00	€ 119,00

	 	 	 
Type	52-06-SL	52-06-ALU	52-06-PREMIUM
Part no.	7108000	7108010	7108020
Price	€ 99,00	€ 109,00	€ 119,00
	 	 	 
Type	60-06-STL	60-06-ALU	60-06-PREMIUM
Part no.	7105000	7105010	7105020
Price	€ 99,00	€ 109,00	€ 119,00
	 	 	 
Type	R2-06-STL	R2-06-ALU	R2-06-PREMIUM
Part no.	7101100	7101110	7101120
Price	€ 79,00	€ 89,00	€ 99,00
	 	 	 
Type	R3-06-STL	R3-06-ALU	R3-06-PREMIUM
Part no.	7101000	7101010	7101020
Price	€ 79,00	€ 89,00	€ 99,00
	 	 	 
Type	R4-06-STL	R4-06-ALU	R4-06-PREMIUM
Part no.	7101200	7101210	7101220
Price	€ 79,00	€ 89,00	€ 99,00

In the field

Located in El Dorado, KS, ConFab Incorporated, part of C-Tech Industrial Group, specializes in custom made pipe and steel construction for commercial, industrial and petrochemical applications.



Jesus Arredondo: "Before we purchased the Bevel Mite® ABIS-06 we were using a bur bit and it would take on average 45 seconds to 1 minute to bevel a 4 cm diameter hole. Now with this tool we are averaging 7 to 10 seconds per hole and that a lot in an 8 hour day."



Duotank Beverage Solutions in Holland is an important partner in the beer industry. They develop and produce beer tank systems and all supporting solutions.

To produce these systems there are a lot of small holes and edges that need to be beveled and deburred quickly. In the past they had used a bur or grinding disc.

"Since we began using the Bevel Mite® EBI-06 we can do our job a lot quicker and we get a more consistent quality. This provides us with additional advantages in the production process, so we are very happy."



"I was surprised that using the Bevel Mate® concept saved me 6 hours of deburring work when building one machine."



The Bevel Mate® concept has been designed for heavy-duty bevelling and radius work, bevelling up to a depth of 12 mm and is available in 2 models; with a powerful electric (EBA-12) and a powerful pneumatic motor (ABA-12).

Bevel Mate® EBA-12



BEVEL MATE®		EBA-12
Part no.		2031100
Motor		Elektric
Max. bevel depth		12 mm
Bevel radius		R2 - R3 - R4
Bevel angle		15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure		-
Air consumption		-
Power		1,53 KW
Voltage		230 V / 120 V
Speed		10.500 rpm
Weight		4,5 kg
Min. pipe/opening diameter		41 mm
Price		€ 998,00



Bevel Mate® ABA-12



BEVEL MATE®		ABA-12
Part no.		2032000
Motor		Pneumatic
Max. bevel depth		12 mm
Bevel radius		R2 - R3 - R4
Bevel angle		15° - 22,5° - 30° - 37,5° - 45° - 52,5° - 60°
Air pressure		6 bar
Air consumption		1100 ltr/min
Power		2 PK / 1,48 KW
Voltage		-
Speed		10.000 rpm
Weight		5,66 kg
Min. pipe/opening diameter		41 mm
Price		€ 1.895,00



Bevel Tip

Visit our website www.beveltools.com/bevelmate/ for more information, sales outlets, user manuals and demonstration videos for both products.

Bevel heads **BEVEL MATE**



Type	15-08-STL	15-08-ALU	15-08-PREMIUM
Part no.	7205000	7205010	7205020
Price	€ 119,00	€ 125,00	€ 135,00
Type	22-08-STL	22-0-ALU	22-08-PREMIUM
Part no.	7206000	7206010	7206020
Price	€ 119,00	€ 125,00	€ 135,00
Type	30-08-STL	30-08-ALU	30-08-PREMIUM
Part no.	7204000	7204010	7204020
Price	€ 119,00	€ 125,00	€ 135,00
Type	37-08-STL	37-08-ALU	37-08-PREMIUM
Part no.	7203000	7203010	7203020
Price	€ 129,00	€ 135,00	€ 145,00
Type	45-08-STL	45-08-ALU	45-08-PREMIUM
Part no.	7202000	7202010	7202020
Price	€ 149,00	€ 159,00	€ 169,00

Type	52-08-STL	52-08-ALU	52-08-PREMIUM
Part no.	7208000	7208010	7208020
Price	€ 149,00	€ 159,00	€ 169,00
Type	60-08-STL	60-08-ALU	60-08-PREMIUM
Part no.	7207000	7207010	7207020
Price	€ 149,00	€ 159,00	€ 169,00
Type	R2-08-STL	R2-08-ALU	R2-08-PREMIUM
Part no.	7201100	7201110	7201120
Price	€ 119,00	€ 125,00	€ 135,00
Type	R3-08-STL	R3-08-ALU	R3-08-PREMIUM
Part no.	7201000	7201010	7201020
Price	€ 119,00	€ 125,00	€ 135,00
Type	R4-08-STL	R4-08-ALU	R4-08-PREMIUM
Part no.	7201200	7201210	7201220
Price	€ 119,00	€ 125,00	€ 135,00



Bevel heads **BEVEL MATE**



Type	15-12-STL	15-12-ALU	15-12-PREMIUM
Part no.	7305000	7305010	7305020
Price	€ 159,00	€ 169,00	€ 179,00
Type	22-12-STL	22-12-ALU	22-12-PREMIUM
Part no.	7306000	7306010	7306020
Price	€ 159,00	€ 169,00	€ 179,00
Type	30-12-STL	30-12-ALU	30-12-PREMIUM
Part no.	7304000	7304010	7304020
Price	€ 159,00	€ 169,00	€ 179,00
Type	37-12-STL	37-12-ALU	37-12-PREMIUM
Part no.	7303000	7303010	7303020
Price	€ 169,00	€ 179,00	€ 189,00
Type	45-12-STL	45-12-ALU	45-12-PREMIUM
Part no.	7302000	7302010	7302020
Price	€ 189,00	€ 199,00	€ 209,00

Type	52-12-STL	52-12-ALU	52-12-PREMIUM
Part no.	7308000	7308010	7308020
Price	€ 189,00	€ 199,00	€ 209,00
Type	60-12-STL	60-12-ALU	60-12-PREMIUM
Part no.	7307000	7307010	7307020
Price	€ 189,00	€ 199,00	€ 209,00



In de praktijk



At Jos van den Berselaar Constructie BV in Udenhout, quality has always been

paramount and ultimately it became a specialism: not supplying steel, but solutions. The company is specialized in high-performance, lightweight structures made of steel, but also made of aluminum and stainless steel.

Lots of holes have to be rounded in these structures. This rounding should have a constant radius of at least 2, because the workpieces are galvanized and coated. In the past this regularly resulted in major challenges. It cost the company a lot of time and effort to supply the expected high quality using a machine with disposable tips.

After watching a demonstration of the Bevel Mate® EBA-12, they were immediately enthusiastic and a second machine was purchased within six months. This was the perfect solution to the holes issue.



Maarten van de Wouw, CWL: "The machine with disposable tips would already be blunt after using it 2 to 3 times, so that did not work for us. We work a lot with hard materials and laser-cut steel. The Bevel Mate® EBA-12 is truly ideal for rounding the holes in workpieces because of the long tool life achieved and its high level of user-friendliness. We are very happy that we can now supply our high quality to our customers without issues."



A well-renowned company in the oil, gas and chemical industry from Texas, USA, had already been introduced to the Bevel Mate® concept, but - as is often the case - there was no time to go into the field and view a machine in action.

Two weeks later, it turned out that it had been unwise not to free up some time for this. They were behind schedule on a project. If they failed to meet the deadline, they would be facing severe penalties. That was enough reason for a demonstration of the Bevel Mate® EBA-12, together with all the workers involved.

During the demonstration, it quickly turned out that the skeptical attitude of the workers was completely unfounded. The Bevel Mate® EBA-12 proved to be 15 times faster than the cut-off wheel in creating a bevel of exactly 37.5° for an accurate weld.



"After using the Bevel Mate® EBA-12 for one week, we had made up all the lost time and were even a week ahead of schedule. For our next project, we will definitely be using this machine from the start."

Beveltools, the Game Changer

History

2013 was an exciting year. An American-Korean duo of inventors developed a revolutionary new bevel tool. This created a new standard for rounding and bevelling metal. Entrepreneur Jan Enno Hofman recognized the quality and the innovative application of it, leading to the incorporation of Beveltools.

Future

The current team of specialists is continuously busy developing new solutions. It must be possible to make bevelling and rounding metal easier, more accurate, faster and cheaper. The daily struggles one faces when rounding and bevelling metal creates our drive to provide tools that can be used to create perfect end results. The basic assumptions used here are cost and time savings, but also user-friendliness.

With Beveltools your company will be ready for the future.

2013

January
February
March

Foundation Beveltools *April*

May
June
July
August

Opening office USA *September*

October
November
December

2014

January
February

March Bevel Mite® ABIS-06

April Opening office Korea

May

June Move head quaters

July

August Bevel Mate® EBA-12

September Bevel Mite® EBI-06

October
November
December

2015

January
February
March

Bevel Mate® ABA-12 *April*

May
June
July
August

September

Aluminum bevel heads *October*

November
December

2016

January
February

March Bevel Mite® Premium

April

May

June

July

August

September Premium bevel heads

October
November
December

2017

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