

Saw blades and bevel cutters

Original made by Orbitalum Tools

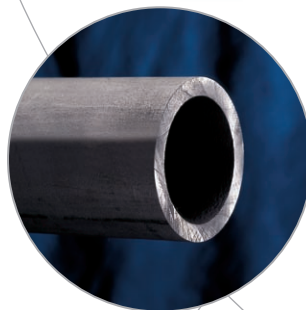
Innovative manufacturing methods and special cutting geometry ensure a precise, square and burr-free cut.

Your benefits:

- High efficiency
- High performance
- Long service life
- Low noise



...❖ burr-free and deformation-free



...❖ square



...❖ beveled pipe ends

Saw blades and bevel cutters for GF and RA machines

These saw blades and bevel cutters are especially designed for our pipe cutters for highest requirements and longest service life.

4 different high-quality tool ranges are available for different applications:

- Economy Range for low and unalloyed steel and cast iron pipes
- Performance Range for high-alloy steel (stainless steel)
- High-Performance Range for high-performance materials and high-alloy steel (stainless steel)
- Premium Range especially made for stainless steel applications with extra long durability

Workable pipe materials	Al	Mild steel, Cu, CuNi, CuZn, CuSn	INOX, V2A, V4A, 304, 316 (L)	Ti, Duplex, Inconel
Economy	*	*		
Performance		*	*	
High-Performance		*	*	*
Premium			*	

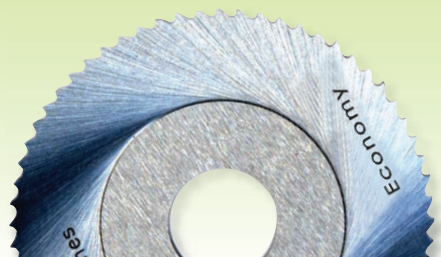
Saw blades

Minimum order quantity: 5 blades

Article	Pipe wall thickness		Saw blade Ø		Code	kg
	[mm]	[inch]	[mm]	[inch]		
Economy	1.2 - 2.5	.047 - .098	63	2.480	790 041 135	0.035
Economy*	1.5 - 6.0	.059 - .236	68	2.677	790 042 063	0.036
Economy*	5.0 - 12.0	.197 - .472	75	2.953	790 043 030	0.053
Economy	2.0 - 5.5	.079 - .217	63	2.480	790 041 020	0.032
Economy	2.5 - 7.0	.098 - .276	68	2.677	790 042 020	0.045
Performance	0.6 - 1.2	.024 - .047	63	2.480	790 041 036	0.027
Performance	1.0 - 1.6	.039 - .063	68	2.677	790 042 049	0.040
Performance	1.0 - 3.0	.039 - .118	63	2.480	790 048 072	0.025
Performance	1.2 - 2.5	.047 - .098	63	2.480	790 041 035	0.045
Performance	1.2 - 2.5	.047 - .098	68	2.677	790 042 064	0.050
Performance**	1.2 - 2.5	.047 - .098	100	3.937	790 043 036	0.104
Performance	1.2 - 3.0	.047 - .118	83	3.268	790 043 024	0.060
Performance	1.5 - 2.5	.059 - .098	80	3.150	790 046 022	0.085
Performance	2.5 - 5.5	.098 - .217	63	2.480	790 041 048	0.035
Performance**	2.5 - 5.5	.098 - .217	100	3.937	790 043 038	0.104
Performance	2.5 - 7.0	.098 - .276	68	2.677	790 042 048	0.045
Performance	2.5 - 7.0	.098 - .276	80	3.150	790 043 018	0.060
Performance	6.0 - 10.0	.236 - .394	75	2.953	790 043 022	0.055
Performance**	6.0 - 15.0	.236 - .591	100	3.937	790 047 026	0.105
High-Performance	1.2 - 2.5	.047 - .098	80	3.150	790 046 021	0.064
High-Performance	1.2 - 2.5	.047 - .098	63	2.480	790 041 034	0.031
High-Performance	2.5 - 7.0	.098 - .267	68	2.677	790 042 058	0.045
Premium	1.2 - 2.5	.047 - .098	63	2.480	790 041 049	0.033

* applicable only for aluminum pipes

** only for RA 6, RA 8 and RA 12



Saw blade/bevel cutter combinations

Simultaneous cutting and beveling of pipes in just seconds.

Weld-prep saw blade/bevel cutter combination (V-seam)*

Article	Pipe wall thickness		Beveling angle	Height of bevel max.		Saw blade Ø		Code	kg
	[mm]	[inch]		[°]	[mm]	[inch]	[mm]		
Performance	2.5 - 5.0	.098 - .197	35	5	.197	68	2.677	790 042 157	0.103
Performance	2.5 - 7.0	.098 - .276	30	7	.276	68	2.677	790 042 161	0.108
High-Performance	2.5 - 5.0	.098 - .197	35	5	.197	68	2.677	790 042 015	0.120
High-Performance	2.5 - 6.0	.098 - .236	45	4	.157	68	2.677	790 042 023	0.135
High-Performance	2.5 - 7.0	.098 - .276	30	7	.276	68	2.677	790 042 013	0.108

Replacement parts for weld prep saw blade/bevel cutter combination (V-seam)

Article	Version	Code	kg
Saw blade for 790 042 155, 790 042 157 and 790 042 161	Performance	790 042 153	0.040
Bevel cutter 30° for 790 042 161	Performance	790 042 160	0.060
Saw blade for 790 042 018, 790 042 015, 790 042 023, 790 042 013	High-Performance	790 042 016	0.040
Bevel cutter 30° for 790 042 013	High-Performance	790 042 021	0.077

Press fitting saw blade/bevel cutter combination**

Article	Pipe wall thickness		Beveling angle	Height of bevel max.		Saw blade Ø		Code	kg
	[mm]	[inch]		[°]	[mm]	[inch]	[mm]		
Performance	1.0 - 2.0	.039 - .079	45 / 70	0.4/1.0	.016/.039	63	2.480	790 044 046	0.090
High-Performance	1.0 - 2.0	.039 - .079	45 / 70	0.4/1.0	.016/.039	63	2.480	790 044 047	0.090

Replacement parts for press fitting saw blade/bevel cutter combination

Article	Version	Code	kg
Saw blade for 790 044 046	Performance	790 044 040	0.027
Saw blade for 790 044 047	High-Performance	790 044 041	0.030
Bevel cutter for 790 044 047	High-Performance	790 044 043	0.065

Support disc for saw blade/bevel cutter combination

We recommend to use 1 support disc when using saw blade/bevel cutter combination.

Article	Code	kg
Support disc	790 046 188	0.068

* Consisting of one saw blade and one bevel cutter with high-performance coating. It is possible to order the individual parts.

** Consisting of one saw blade and one bevel cutter. Especially for stainless steel press fitting systems. It is possible to order the individual parts.



Bevel cutters

For V-seam profiles on pipe ends.

The bevel cutter is mounted on the pipe cutter instead of a saw blade.
Reproducible weld seam preparation in just seconds.



Bevel cutters V-seam

Article	Beveling angle	Height of bevel max.		Bevel cutter-Ø		Code	kg
	[°]	[mm]	[inch]	[mm]	[inch]		
Economy	30.0	9.5	.374	72	2.835	790 042 045	0.135
Economy	35.0	8.9	.350	70	2.756	790 042 037	0.170
Economy	37.5	8.4	.331	70	2.756	790 042 036	0.162
Economy	45.0	7.5	.295	70	2.756	790 042 038	0.162
Performance	30.0	9.5	.374	72	2.835	790 042 071	0.153
Performance	30.0	13.0	.512	76	2.992	790 043 023	0.187
Performance	37.5	8.4	.331	70	2.756	790 042 070	0.163
Performance	50.0	5.8	.228	70	2.756	790 042 050	0.168
High-Performance	30.0	9.5	.374	72	2.835	790 042 073	0.157
High-Performance	37.5	8.4	.331	70	2.756	790 042 072	0.163

Saw blade lubricating compound GF TOP

Synthetic high-performance lubricant for pipe cutting and beveling.

Increases the saw blade life-time. Easy and constant lubrication of the saw blade with special brush.



Article	Version	Code	kg
Saw blade lubricating compound GF TOP	Tube, 180 g	790 060 228	0,205

Saw blade lubricating compound ROCOL

High-performance lubricant for pipe cutting and beveling.

Increases the saw blade life-time.



Article	Version	Code	kg
Saw blade lubricating compound ROCOL	Tube, 150 ml	790 041 016	0,195
Saw blade lubricating compound ROCOL	Can, 0,5 kg	790 041 013	0,605
Saw blade lubricating compound ROCOL	Can, 5,0 kg	790 041 019	5,520

Stamp of distributor:

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.

Info-Hotline: +49 (0) 77 31 792-787 up to 789