

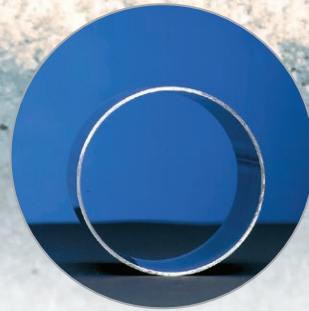
# Saw blades and bevel cutters

Original made by Orbitalum Tools

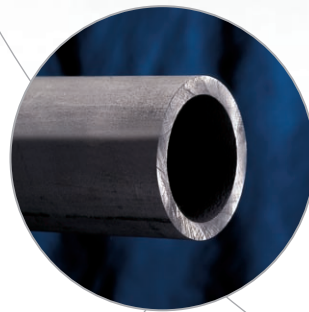
Innovative manufacturing methods and special cutting geometry ensure a precise, square and burr-free cut.

Your benefits:

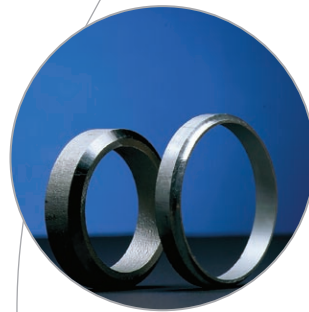
- High efficiency
- High performance
- Long service life
- Low noise



...❖ burr-free and deformation-free



...❖ square



...❖ beveled pipe ends

# Saw blades and bevel cutters for 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			*	

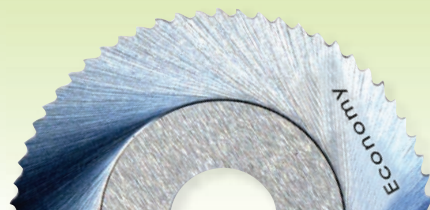
## Saw blades

Minimum order quantity: 5 blades

Article	Pipe wall thickness		Saw blade Ø		Code	lbs
	[mm]	[inch]	[mm]	[inch]		
Economy	1.2 - 2.0	.047 - .079	63	2.480	<b>790 041 040</b>	0.068
Economy*	1.5 - 6.0	.059 - .236	68	2.677	<b>790 042 063</b>	0.079
Economy*	5.0 - 12.0	.197 - .472	75	2.953	<b>790 043 030</b>	0.117
Economy	2.0 - 5.5	.079 - .217	63	2.480	<b>790 041 020</b>	0.071
Economy	2.5 - 7.0	.098 - .276	68	2.677	<b>790 042 020</b>	0.099
Performance	0.6 - 1.2	.024 - .047	63	2.480	<b>790 041 036</b>	0.060
Performance	1.0 - 1.6	.039 - .063	68	2.677	<b>790 042 049</b>	0.088
Performance	1.0 - 2.5	.039 - .098	63	2.480	<b>790 041 041</b>	0.093
Performance	1.0 - 3.0	.039 - .118	63	2.480	<b>790 048 072</b>	0.055
Performance	1.2 - 2.5	.047 - .098	63	2.480	<b>790 041 035</b>	0.066
Performance	1.2 - 2.5	.047 - .098	68	2.677	<b>790 042 064</b>	0.386
Performance**	1.2 - 2.5	.047 - .098	100	3.937	<b>790 043 036</b>	0.229
Performance	1.5 - 2.5	.059 - .098	80	3.150	<b>790 046 022</b>	0.187
Performance	2.5 - 5.5	.098 - .217	63	2.480	<b>790 041 048</b>	0.073
Performance**	2.5 - 5.5	.098 - .217	100	3.937	<b>790 043 038</b>	0.229
Performance	2.5 - 7.0	.098 - .276	68	2.677	<b>790 042 048</b>	0.079
Performance	2.5 - 7.0	.098 - .276	80	3.150	<b>790 043 018</b>	0.132
Performance	6.0 - 10.0	.236 - .394	75	2.953	<b>790 043 022</b>	0.121
Performance	6.0 - 10.0	.236 - .394	100	3.937	<b>790 047 026</b>	0.231
Performance	for bar stock up to Ø 30 mm / 1.181"		82	3.228	<b>790 046 023</b>	0.154
High-Performance	1.0 - 2.5	.039 - .098	68	2.677	<b>790 042 159</b>	0.088
High-Performance	1.2 - 2.5	.047 - .098	80	3.150	<b>790 046 021</b>	0.141
High-Performance	1.2 - 2.5	.047 - .098	63	2.480	<b>790 041 034</b>	0.068
High-Performance	2.5 - 7.0	.098 - .267	68	2.677	<b>790 042 058</b>	0.086
Premium	1.2 - 2.5	.047 - .098	63	2.480	<b>790 041 049</b>	0.073

\* 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	lbs
	[mm]	[inch]		[°]	[mm]	[inch]	[mm]		
Performance	2.5 - 5.0	.098 - .197	30	5	.197	68	2.677	790 042 155	0.209
Performance	2.5 - 5.0	.098 - .197	35	5	.197	68	2.677	790 042 157	0.227
Performance	2.5 - 7.0	.098 - .276	30	7	.276	68	2.677	790 042 161	0.238
High-Performance	2.5 - 5.0	.098 - .197	30	5	.197	68	2.677	790 042 018	0.209
High-Performance	2.5 - 5.0	.098 - .197	35	5	.197	68	2.677	790 042 015	0.265
High-Performance	2.5 - 6.0	.098 - .236	45	4	.157	68	2.677	790 042 023	0.298
High-Performance	2.5 - 7.0	.098 - .276	30	7	.276	68	2.677	790 042 013	0.238

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

Article	Version	Code	lbs
Saw blade for 790 042 155, 790 042 157 and 790 042 161	Performance	790 042 153	0.088
Bevel cutter 30° for 790 042 155	Performance	790 042 154	0.099
Bevel cutter 30° for 790 042 161	Performance	790 042 160	0.132
Bevel cutter 35° for 790 042 157	Performance	790 042 156	0.132
Saw blade for 790 042 018, 790 042 015, 790 042 023, 790 042 013	High-Performance	790 042 016	0.088
Bevel cutter 30° for 790 042 018	High-Performance	790 042 017	0.099
Bevel cutter 35° for 790 042 015	High-Performance	790 042 014	0.132
Bevel cutter 30° for 790 042 013	High-Performance	790 042 021	0.170
Bevel cutter 45° for 790 042 023	High-Performance	790 042 022	0.170

## Press fitting saw blade/bevel cutter combination\*\*

Article	Pipe wall thickness		Beveling angle	Height of bevel max.		Saw blade Ø		Code	lbs
	[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	0.198
High-Performance	1.0 - 2.0	.039 - .079	45 / 70	0.4/1.0	.016/.039	63	2.480	790 044 047	0.198

## Replacement parts for press fitting saw blade/bevel cutter combination

Article	Version	Code	lbs
Saw blade for 790 044 046	Performance	790 044 040	0.060
Bevel cutter for 790 044 046	Performance	790 044 042	0.141
Saw blade for 790 044 047	High-Performance	790 044 041	0.066
Bevel cutter for 790 044 047	High-Performance	790 044 043	0.143

## Support disc for saw blade/bevel cutter combination

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

Article	Code	lbs
Support disc	790 046 188	0.203

\* 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 RA 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	lbs
	[°]	[mm]	[inch]	[mm]	[inch]		
Economy	30.0	9.5	.374	72	2.835	790 042 045	0.298
Economy	35.0	8.9	.350	70	2.756	790 042 037	0.375
Economy	37.5	8.4	.331	70	2.756	790 042 036	0.357
Economy	45.0	7.5	.295	70	2.756	790 042 038	0.357
Economy	60.0	4.7	.185	70	2.756	790 042 046	0.386
Performance	30.0	9.5	.374	72	2.835	790 042 071	0.337
Performance	30.0	13.0	.512	76	2.992	790 043 023	0.412
Performance	37.5	8.4	.331	70	2.756	790 042 070	0.359
Performance	50.0	5.8	.228	70	2.756	790 042 050	0.370
High-Performance	30.0	9.5	.374	72	2.835	790 042 073	0.346
High-Performance	37.5	8.4	.331	70	2.756	790 042 072	0.359

# Saw blade lubricating compound GF TOP

## Synthetic high-performance lubricant for pipe cutting and beveling.

Increases the saw blade life-time. Complies with USDA H2 registration.  
Easy and constant lubrication of the saw blade with special brush.



Article	Version	Code	lbs
Saw blade lubricating compound GF TOP	Tube, 0.45 lbs	790 060 228	0.452

# Saw blade lubricating compound ROCOL

## High-performance lubricant for pipe cutting and beveling.

Increases the saw blade life-time.



Article	Version	Code	lbs
Saw blade lubricating compound ROCOL	Tube, 5 fl oz	790 041 016	0.430
Saw blade lubricating compound ROCOL	Can, 1.1 lbs	790 041 013	1.334
Saw blade lubricating compound ROCOL	Can, 11 lbs	790 041 019	12.170

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