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Umicore prides itself in using superior manufacturing technologies. All rings are made from ring tube and therefore have no seam. Orca™ bond two tone rings are produced in a diffusion bonding process for great bond strength, and are solder-free.










## Standard Engraving Styles










STYLE	CLASS	OUTSIDE		INSIDE		DIMENSIONS						ORCA™ BOND TWO TONE RINGS			AVAILABLE IN PLATINUM
		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay	
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)				
	3076	B	*		*	5.0	0.197	1.3	0.051	0.6	0.025				
	3095	A	*		*	5.0	0.197	1.3	0.051	0.6	0.025				
	3141	B	*		*	5.0	0.197	1.3	0.051	0.8	0.030				
	3146	B	*		*	5.0	0.197	1.6	0.063	0.9	0.035				
	3208	B	*		*	5.0	0.197	1.3	0.051	0.6	0.025				
	3213	B	*		*	5.0	0.197	1.3	0.051	0.6	0.025				
	4105	B	*		*	5.0	0.197	1.3	0.051	0.8	0.030				
	4652	B	*		*	5.0/6.0	0.197/ 0.236	1.7	0.067	0.8	0.030	*	2.0 or 3.0		
	5161	B	*		*	5.0	0.197	1.3	0.051						










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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay	
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)				
	6193	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8634A	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8635	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8636	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8637	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8639A	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8640	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8642	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8644	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				

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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay	
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)				
	8646	B	*	*		6.0	0.236	1.8	0.071	1.0	0.040				
	8650	C	*	*		7.0	0.276	2.0	0.079	1.0	0.040	*	4.0		
	PTR6082/ R6082	B	*	*		6.0	0.236	2.0	0.079	0.9	0.035	*	2.0		*
	PTR6083/ R6083	C	*	*		6.0	0.236	2.0	0.079			*	3.5		*
	PTR6084/ R6084	C	*	*		6.0	0.236	2.0	0.079			*	3.5		*
	PTR6090/ R6090	A	*	*		7.0	0.276	1.8	0.071			*	4.0		*
	PTR6090M	B	*	*		7.0	0.276	1.8	0.071			*	4.0		*
	PTR6091/ R6091	A	*	*		6.0	0.236	1.8	0.071	0.9	0.035	*	3.0		*
	PTR6092	B	*	*		6.0	0.236	1.8	0.071			*	3.0		*










STYLE	CLASS	OUTSIDE		INSIDE		DIMENSIONS						ORCA™ BOND TWO TONE RINGS			AVAILABLE IN PLATINUM		
		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay			
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)						
	PTR6094/ R6094	C	*		*			7.0	0.276	2.0	0.079			*	1.4	Double	
	PTR6095/ R6095	C	*		*			7.0	0.276	2.0	0.079			*	4.0		*
	PTR6096/ R6096	B		*	*			6.0	0.236	2.0	0.079			*	4.0		*
	PTR6098	C	*		*			7.0	0.276	2.0	0.079			*	1.4	Double	*
	PTR6099/ R6099	B	*		*			7.0	0.276	2.0	0.079			*	3.0		*
	PTR6100/ R6100	C	*		*			7.0	0.276	2.0	0.079			*	1.4	Double	*
	PTR6163	A		*		*		6.0	0.236	2.0	0.079	0.9	0.035	*	3.0		*
	PTR6164	B	*		*			6.0	0.236	1.8	0.071			*	3.5		*
	R1000	A		*		*		7.5	0.295	1.5	0.059			*	1.5	Multi	










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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay		
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)					
	R1010	A		Tiffany-square		*	7.5	0.295	1.6x1.2	0.063x 0.047	0.5	0.021	*	1.5	Multi	
	R1060	B	*			*	5.0	0.197	1.5	0.059			*	1.5	Multi	
	R2130	B		*		*	5.0	0.197	1.5	0.059			*	1.0	Multi	
	R3000	A	*			*	6.0	0.236	1.5	0.059			*	2.0		
	R3040	A		*		*	5.0/6.0	0.197/ 0.236	1.5	0.059	0.6	0.025	*	1.75 or 2.0		
	R4010	A	*			*	7.0	0.276	1.5	0.059			*	3.0		
	R4040	C	*			*	5.0	0.197	1.9	0.075			*	1.0	Multi	
	R5123	B	*			*	7.0	0.276	2.0	0.079			*	2.0	Multi	
	R6030	B	*			*	5.0	0.197	1.7	0.067			*	2.2		

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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay		
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)					
	R6053	C	*		*		7.0	0.276	1.8	0.071			*	4.0		
	R6054B	B	*		*		6.0	0.236	2.0	0.079			*	4.0		
	R6054R	A	*		*		6.0	0.236	2.0	0.079			*	4.0		
	R6054T	A		*	*		6.0	0.236	2.0	0.079	0.9	0.035	*	4.0		
	R6056	B	*			*	9.0	0.354	1.6	0.063			*	3.0		
	R6057	A	*			*	9.0	0.354	1.6	0.063			*	3.0		
	R6058A	C		*	*		7.0	0.276	2.0	0.079	0.8	0.030	*	2.0		
	R6059	B	*		*		6.0	0.236	2.0	0.079			*	4.0		
	R6060	C	*		*		7.0	0.276	2.2	0.087			*	4.5		

STYLE	CLASS	OUTSIDE		INSIDE		DIMENSIONS						ORCA™ BOND TWO TONE RINGS			AVAILABLE IN PLATINUM
		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay	
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)				
	R6061	B	*		*	6.0	0.236	1.8	0.071			*	3.0		
	R6062	B	*		*	6.0	0.236	2.2	0.087			*	3.0		
	R6063	B	*		*	6.0	0.236	2.0	0.079			*	3.0		
	R6064	B	*		*	6.0	0.236	2.0	0.079			*	3.0		
	R6065	C		*	*	6.0	0.236	2.2	0.087	0.9	0.035	*	2.0		
	R6066	C	*		*	7.0	0.276	2.0/2.2	0.079/0.087			*	3.0		
	R6067	C	*		*	6.0	0.236	2.0/2.2	0.079/0.087			*	1.0	Multi	
	R6068	B	*		*	7.0	0.276	2.0/2.2	0.079/0.087			*	3.5		
	R6071	C	*		*	6.0	0.236	2.0	0.079			*	3.0		



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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay		
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)					
	R6072	B	*		*		7.0	0.276	2.0	0.079			*	4.0		
	R6073	C	*		*		6.0	0.236	2.0	0.079			*	4.2		
	R6074	C	*		*		6.0	0.236	2.0	0.079			*	4.5		
	R6075	C	*		*		6.0	0.236	2.0	0.079			*	4.0		
	R6077	B	*		*		6.0	0.236	2.0	0.079			*	4.5		
	R6078	B		*	*		7.0	0.276	2.0	0.079	1.0	0.040	*	3.0		
	R6080	B	*		*		6.0	0.236	2.0	0.079			*	4.2		
	R6089	B	*		*		7.0	0.276	2.0	0.079			*	3.0		
	R6120	B	*		*		6.0	0.236	2.0	0.079			*	3.0		

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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay			
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)						
	R6122	D	*		*			6.0	0.236	2.0	0.079			*	3.0		
	R6124	B	*		*			8.0	0.315	2.0	0.079			*	4.0		
	R6125	B	*			*		6.0	0.236	1.6	0.063			*	3.0 or 4.0		
	R6149	B	*		*			8.0	0.315	2.0	0.079			*	5.0		
	R6149A	B	*		*			9.0	0.354	2.0	0.079			*	5.5		
	R6153	A	*		*			7.0	0.276	2.0	0.079			*	4.0		
	R6156G	B	*			*		6.5	0.256	1.7	0.067			*	4.0		
	R6156L	B	*			*		5.5	0.217	1.7	0.067			*	3.0		
	R6160	C	*		*			6.0	0.236	2.2	0.087			*	3.0		

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		Rectangular	Half Round (Tiffany Style)	Inside Round (Comfort Fit)	Plain (No Comfort Fit)	WIDTH		HEIGHT		FLATSIDE/SIDEWALL		Two Tone Style Available	Width Inlay (mm)	Double/Multi Inlay	
						(mm)	(inc h)	(mm)	(inc h)	(mm)	(inc h)				
R9605	A		*	*		6.0	0.236	2.0	0.079	0.9	0.035				

Rings can be stamped with our traditional IRSCO mark and the precious metal content.

Please contact us if you would like us to apply your specific engraving style or marks.

More information about Orca™ bond products can be found on the technical data sheet, available on our website.

## Millgrain

M10, R2, R1, F12, F10, S500



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