

MRC Felt Seal Replacement Bearings have synthetic rubber seals.

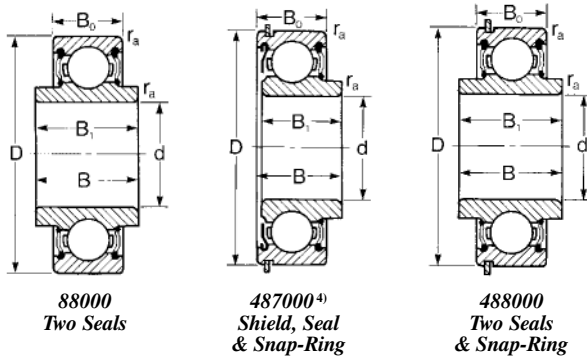
MRC Bearing Number	Old MRC Bearing Number	Bore		Outside Diameter D		Width						Fillet Radius ¹⁾		ZD ²⁾		Basic Radial Load Rating				Speed Rating ²⁾ Single and Double Sealed Grease RPM
						B ₀		B ₁		B						Dynamic C ³⁾		Static C ₀		
						mm	in	mm	in	mm	in					mm	in	N	lbf	
8008	38FS1	8	.3150	24	.9449	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 430	321	23 000
8013	201FS2	13	.5118	32	1.2598	10	.394	12.2	.480	12.7	.500	.64	.025	245	.38	6 890	1 550	3 050	686	15 000
8014	202FS1	14	.5512	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	284	.44	7 610	1 710	3 650	821	13 000
8016	202FS3	16	.6299	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	284	.44	7 610	1 710	3 650	821	13 000
8026	205FS3	26	1.0236	52	2.0472	15	.591	15.2	.600	15.9	.625	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500
8038	38FS	8	.3150	22	.8661	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 370	308	23 000
8500	200FS	10	.3937	30	1.1811	9	.354	12.2	.480	12.7	.500	.64	.025	155	.24	5 070	1 140	2 400	540	17 000
8501	201FS	12	.4724	32	1.2598	10	.394	12.2	.480	12.7	.500	.64	.025	245	.38	6 760	1 520	3 050	685	15 000
8502	202FS	15	.5906	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
8503	203FS	17	.6693	40	1.5748	12	.472	13.7	.538	14.3	.563	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
8504	204FS	20	.7874	47	1.8504	14	.551	15.2	.600	15.9	.625	1.0	.040	503	.78	13 000	2 920	6 700	1 510	10 000
8505	205FS	25	.9843	52	2.0472	15	.591	15.2	.600	15.9	.625	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500
8506	206FS	30	1.1811	62	2.4409	16	.630	19	.748	20	.787	1.0	.040	813	1.26	19 500	4 380	11 400	2 560	7 500
8507	207FS	35	1.3780	72	2.8346	17	.669	20	.787	21	.827	1.0	.040	1 109	1.72	25 500	5 730	15 300	3 440	6 300
8508	208FS	40	1.5748	80	3.1496	21	.827	24	.945	24	.945	1.0	.040	1 320	2.05	29 100	6 540	18 000	4 050	5 600
8605	305FS	25	.9843	62	2.4409	17	.669	21	.827	21	.827	1.0	.040	632	.98	15 900	3 570	8 000	1 800	7 500
WC87008	38FSF2	8	.3150	24	.9449	10.3	.406	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 430	321	23 000
WC87016	16	.6299	35	1.3780	12.7	.500	12.2	.480	12.7	.500	.64	.025	284	.44	7 610	1 710	3 750	843	13 000	
WC87500	200FSF1	10	.3937	30	1.1811	12.7	.500	12.2	.480	12.7	.500	.64	.025	155	.24	5 070	1 140	2 400	540	17 000
WC87501	201FSF1	12	.4724	32	1.2598	12.7	.500	12.2	.480	12.7	.500	.64	.025	245	.38	6 890	1 550	2 400	540	15 000
WC87502	202FSF1	15	.5906	35	1.3780	12.7	.500	12.2	.480	12.7	.500	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
WC87503	203FSF1	17	.6693	40	1.5748	14.3	.563	13.7	.538	14.3	.563	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
WC87504	204FSF1	20	.7874	47	1.8504	15.9	.625	15.2	.600	15.9	.625	1.0	.040	503	.78	13 000	2 920	6 700	1 510	10 000
87007	37FSF1	7	.2756	24	.9449	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 430	321	23 000
87008	38FSF1	8	.3150	24	.9449	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 430	321	23 000
87013	201FSF3	13	.5118	32	1.2598	10	.394	12.2	.480	12.7	.500	.64	.025	245	.38	6 890	1 550	3 050	686	15 000
87014	14	.5512	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	284	.44	7 610	1 710	3 650	821	13 000	
87016	202FSF4	16	.6299	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	284	.44	7 610	1 710	3 750	843	13 000
87026	26	1.0236	52	2.0472	15	.591	15.2	.600	15.9	.625	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500	
87036	36FSF	6	.2362	19	.7480	8	.315	9.8	.386	10.3	.406	.30	.012	97	.15	2 810	632	1 080	243	26 000
87037	37FSF	7	.2756	22	.8661	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 340	301	23 000
87038	38FSF	8	.3150	22	.8661	8	.315	9.8	.386	10.3	.406	.30	.012	110	.17	3 320	746	1 370	308	23 000
87500	200FSF	10	.3937	30	1.1811	9	.354	12.2	.480	12.7	.500	.64	.025	155	.24	5 070	1 140	2 400	540	17 000
87501	201FSF	12	.4724	32	1.2598	9	.394	12.2	.480	12.7	.500	.64	.025	245	.38	8 190	1 840	3 650	821	15 000
87502	202FSF	15	.5906	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
87503	203FSF	17	.6693	40	1.5748	12	.472	13.7	.538	14.3	.563	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
87504	204FSF	20	.7874	47	1.8504	14	.551	15.2	.600	15.9	.625	1.0	.040	503	.78	13 000	2 920	6 700	1 510	10 000
87505	205FSF	25	.9843	52	2.0472	15	.591	15.2	.600	15.9	.625	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500
87506	206FSF	30	1.1811	62	2.4409	16	.630	19	.748	20	.787	1.0	.040	813	1.26	19 500	4 380	11 400	2 560	7 500
87507	207FSF	35	1.3780	72	2.8346	17	.669	20	.787	21	.827	1.0	.040	1 110	1.72	25 500	5 730	15 300	3 440	6 300
87508	208FSF	40	1.5748	80	3.1496	21	.827	24	.945	24	.945	1.0	.040	1 320	2.05	29 100	6 540	18 000	4 050	5 000

¹⁾ Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.

²⁾ Listed values are for pressed steel or polyamide cage, ABEC-1.

The values have been determined through historical application and practice. For a more complete explanation, see page 276.

³⁾ Rating for one million revolutions or 500 hours at 33 1/3 RPM.



MRC Felt Seal Replacement Bearings have synthetic rubber seals.

MRC Bearing Number	Old MRC Bearing Number	Bore		Outside Diameter D		Width						Basic Radial Load Rating				Speed Rating ²⁾ Single and Double Sealed Grease RPM				
						B ₀		B ₁		B		Fillet Radius ¹⁾		ZD ²⁾			Dynamic C ³⁾		Static C ₀	
						mm	in	mm	in	mm	in	mm	in	mm	in		N	lbf	N	lbf
88007	38FFS2	7	.2756	24	.9449	8	.315	12.6	.497	12.6	.497	.30	.012	110	.17	3 320	746	1 430	321	23 000
88008		8	.3150	24	.9449	8	.315	12.6	.497	12.6	.497	.30	.012	110	.17	3 320	746	1 430	321	23 000
88009		9	.3543	30	1.1811	9	.354	16.4	.646	16.4	.646	.64	.025	155	.24	4 620	1 040	2 040	459	17 000
88011	201FFS2	11	.4331	32	1.2598	10	.394	15.4	.606	15.4	.606	.64	.025	245	.38	6 760	1 520	3 000	674	15 000
88013		13	.5118	32	1.2598	10	.394	15.4	.606	15.4	.606	.64	.025	245	.38	6 890	1 550	3 050	686	15 000
88016		202FFS5	16	.6299	35	1.3780	11	.433	14.4	.567	14.4	.567	.64	.025	284	.44	7 610	1 710	3 750	843
88500	200FFS	10	.3937	30	1.1811	9	.354	16.4	.646	16.4	.646	.64	.025	155	.24	5 070	1 140	2 400	540	17 000
88501	201FFS	12	.4724	32	1.2598	10	.394	15.4	.606	15.4	.606	.64	.025	245	.38	6 760	1 520	3 050	685	15 000
88502	202FFS	15	.5906	35	1.3780	11	.433	14.4	.567	14.4	.567	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
88503	203FFS	17	.6693	40	1.5748	12	.472	16.6	.654	16.6	.654	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
88504	204FFS	20	.7874	47	1.8504	14	.551	17.8	.699	17.8	.699	1.0	.040	503	.78	13 000	2 920	6 700	1 510	10 000
88505	205FFS	25	.9843	52	2.0472	15	.591	16.7	.659	16.7	.659	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500
88506	206FFS	30	1.1811	62	2.4409	16	.630	24	.945	24	.945	1.0	.040	813	1.26	19 500	4 380	11 400	2 560	7 500
88507	207FFS	35	1.3780	72	2.8346	17	.669	25	.984	25	.984	1.0	.040	1 110	1.72	25 500	5 730	15 300	3 440	6 300
88508	208FFS	40	1.5748	80	3.1496	21	.827	27	1.063	27	1.063	1.0	.040	1 320	2.05	29 100	6 540	18 000	4 050	5 600
487502	G202FSF	15	.5906	35	1.3780	11	.433	12.2	.480	12.7	.500	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
487503	G203FSF	17	.6693	40	1.5748	12	.472	13.7	.538	14.3	.563	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
487508	G208FSF	40	1.5748	80	3.1496	21	.827	24	.945	24	.945	1.0	.040	1 320	2.05	29 100	6 540	18 000	4 050	5 600
488016	202FFS2G	16	.6299	35	1.3780	11	.433	14.4	.567	14.4	.567	.64	.025	284	.44	7 610	1 710	3 750	843	13 000
488502	202FFS2G	15	.5906	35	1.3780	11	.433	14.4	.567	14.4	.567	.64	.025	277	.43	7 610	1 710	3 750	843	13 000
488503	203FFS2G	17	.6693	40	1.5748	12	.472	16.6	.654	16.6	.654	.64	.025	361	.56	9 560	2 150	4 800	1 080	12 000
488504	204FFS2G	20	.7874	47	1.8504	14	.551	17.8	.699	17.8	.699	1.0	.040	503	.78	13 000	2 920	6 700	1 510	10 000
488505	205FFS2G	25	.9843	52	2.0472	15	.591	16.7	.659	16.7	.659	1.0	.040	568	.88	14 000	3 150	8 000	1 800	8 500
488506	206FFS2G	30	1.1811	62	2.4409	16	.630	24	.945	24	.945	1.0	.040	813	1.26	19 500	4 380	11 400	2 560	7 500
488507	207FFS2G	35	1.3780	72	2.8346	17	.669	25	.984	25	.984	1.0	.040	1 110	1.72	25 500	5 730	15 300	3 440	6 300
488508	208FFS2G	40	1.5748	80	3.1496	21	.827	27	1.063	27	1.063	1.0	.040	1 320	2.05	29 100	6 540	18 000	4 050	5 600

¹⁾ Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.

²⁾ Listed values are for pressed steel or polyamide cage, ABEC-1.

The values have been determined through historical application and practice. For a more complete explanation, see page 276.

³⁾ Rating for one million revolutions or 500 hours at 33 1/3 RPM.

⁴⁾ Add suffix "V" when snap ring is on seal side.

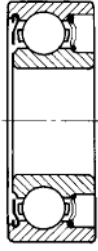
Felt Seal Replacement Bearings

Basic Dimensions and Interchange

MRC Bearing Services



8000
One Seal



WC87000
Shield & Seal



87000
Shield & Seal

MRC Bearing Number	Bore		Outside Diameter D		Width						Basic Interchange		
	d mm	in	mm	in	Outer Ring		Inner Ring		Overall		BCA	FAF	NDH NTN
					mm	in	mm	in	mm	in			
8008	8	.3150	24	.9449	8.0	.315	9.8	.386	10.3	.406	—	38KVL	8008
8013	13	.5118	32	1.2598	10.0	.394	12.2	.480	12.7	.500	8013	—	8013
8014	14	.5512	35	1.3780	11.0	.433	12.2	.480	12.7	.500	—	202KL4	8014
8016	16	.6299	35	1.3780	11.0	.433	12.2	.480	12.7	.500	8016	202KL3	8016
8026	26	1.0236	52	2.0472	15.0	.591	15.2	.600	15.9	.625	8026	—	8026
8038	8	.3150	22	.8661	8.0	.315	9.8	.386	10.3	.406	—	38KL	8038
8500	10	.3937	30	1.1811	9.0	.354	12.2	.480	12.7	.500	8500	200KL	8500
8501	12	.4724	32	1.2598	10.0	.394	12.2	.480	12.7	.500	8501	201KL	8501
8502	15	.5906	35	1.3780	11.0	.433	12.2	.480	12.7	.500	8502	202KL	8502
8503	17	.6693	40	1.5748	12.0	.472	13.7	.538	14.3	.563	8503	203KL	8503
8504	20	.7874	47	1.8504	14.0	.551	15.2	.600	15.9	.625	8504	204KL	8504
8505	25	.9843	52	2.0472	15.0	.591	15.2	.600	15.9	.625	8505	205KL	8505
8506	30	1.1811	62	2.4409	16.0	.630	19.0	.748	20.0	.787	8506	206KL	8506
8507	35	1.3780	72	2.8346	17.0	.669	20.0	.787	21.0	.827	8507	207KL	8507
8508	40	1.5748	80	3.1496	21.0	.827	24.0	.945	24.0	.945	8508	—	8508
8605	25	.9843	62	2.4409	17.0	.669	21.0	.827	21.0	.827	8605	—	8605
WC87008	8	.3150	24	.9449	10.3	.406	9.8	.386	10.3	.406	—	38KVD	WC87008
WC87016	16	.6299	35	1.3780	12.7	.500	12.2	.480	12.7	.500	—	202KTD3	WC87016
WC87500	10	.3937	30	1.1811	12.7	.500	12.2	.480	12.7	.500	WC87500	200KTD	WC87500
WC87501	12	.4724	32	1.2598	12.7	.500	12.2	.480	12.7	.500	WC87501	201KTD	WC87501
WC87502	15	.5906	35	1.3780	12.7	.500	12.2	.480	12.7	.500	WC87502	202KTD	WC87502
WC87503	17	.6693	40	1.5748	14.3	.563	13.7	.538	14.3	.563	WC87503	203KTD8	WC87503
WC87504	20	.7874	47	1.8504	15.9	.625	15.2	.600	15.9	.625	WC87504	—	WC87504
87007	7	.2756	24	.9449	8.0	.315	9.8	.386	10.3	.406	—	37KVD	87007
87008	8	.3150	24	.9449	8.0	.315	9.8	.386	10.3	.406	87008	38KVD	87008
87013	13	.5118	32	1.2598	10.0	.394	12.2	.480	12.7	.500	87013	201KLD2	87013
87014	14	.5512	35	1.3780	11.0	.433	12.2	.480	12.7	.500	—	—	87014
87016	16	.6299	35	1.3780	11.0	.433	12.2	.480	12.7	.500	87016	202KLD3	87016
87026	26	1.0236	52	2.0472	15.0	.591	15.2	.600	15.9	.625	—	—	87026
87036	6	.2362	19	.7480	8.0	.315	9.8	.386	10.3	.406	—	36KLD	87036
87037	7	.2756	22	.8661	8.0	.315	9.8	.386	10.3	.406	—	37KLD	87037
87038	8	.3150	22	.8661	8.0	.315	9.8	.386	10.3	.406	—	38KLD	87038
87500	10	.3937	30	1.1811	9.0	.354	12.2	.480	12.7	.500	87500	200KLD	87500
87501	12	.4724	32	1.2598	9.0	.394	12.2	.480	12.7	.500	87501	201KLD	87501
87502	15	.5906	35	1.3780	11.0	.433	12.2	.480	12.7	.500	87502	202KLD	87502
87503	17	.6693	40	1.5748	12.0	.472	13.7	.538	14.3	.563	87503	203KLD	87503
87504	20	.7874	47	1.8504	14.0	.551	15.2	.600	15.9	.625	87504	204KLD	87504
87505	25	.9843	52	2.0472	15.0	.591	15.2	.600	15.9	.625	87505	205KLD	87505
87506	30	1.1811	62	2.4409	16.0	.630	19.0	.748	20.0	.787	87506	206KLD	87506
87507	35	1.3780	72	2.8346	17.0	.669	20.0	.787	21.0	.827	87507	207KLD	87507
87508	40	1.5748	80	3.1497	21.0	.827	24.0	.945	24.0	.945	—	—	87508



88000
Two Seals



487000
Shield, Seal
& Snap-Ring



488000
Two Seals
& Snap-Ring

MRC Felt Seal Replacement Bearings have synthetic rubber seals.

MRC Bearing Number	Bore		Outside Diameter D		Width						Basic Interchange		
					Outer Ring		Inner Ring		Overall		BCA	FAF	NDH NTN
	d	mm	in	mm	in	mm	in	mm	in	mm			
88007	7	.2756	24	.9449	8.0	.315	12.6	.497	12.6	.497	—	—	88007
88008	8	.3150	24	.9449	8.0	.315	12.6	.497	12.6	.497	—	38KVL2	88008
88009	9	.3543	30	1.1811	9.0	.354	16.4	.646	16.4	.646	—	—	88009
88011	11	.4331	32	1.2598	10.0	.394	15.4	.606	15.4	.606	—	—	88011
88013	13	.5118	32	1.2598	10.0	.394	15.4	.606	15.4	.606	88013	201KLL3	88013
88016	16	.6299	35	1.3780	11.0	.433	14.4	.567	14.4	.567	88016	202KLL3	88016
88500	10	.3937	30	1.1811	9.0	.354	16.4	.646	16.4	.646	88500	200KLL2	88500
88501	12	.4724	32	1.2598	10.0	.394	15.4	.606	15.4	.606	88501	201KLL2	88501
88502	15	.5906	35	1.3780	11.0	.433	14.4	.567	14.4	.567	88502	202KLL2	88502
88503	17	.6693	40	1.5748	12.0	.472	16.6	.654	16.6	.654	88503	203KLL2	88503
88504	20	.7874	47	1.8504	14.0	.551	17.8	.699	17.8	.699	88504	204KLL2	88504
88505	25	.9843	52	2.0472	15.0	.591	16.7	.659	16.7	.659	88505	205KLL2	88505
88506	30	1.1811	62	2.4409	16.0	.630	24.0	.945	24.0	.945	88506	206KLL	88506
88507	35	1.3780	72	2.8346	17.0	.669	25.0	.984	25.0	.984	—	207KLL	88507
88508	40	1.5748	80	3.1496	21.0	.827	27.0	1.063	27.0	1.063	88508	—	88508
487502	15	.5906	35	1.3780	11.0	.433	12.2	.480	12.7	.500	—	—	487502
487503	17	.6693	40	1.5748	12.0	.472	13.7	.538	14.3	.563	—	—	487503
487508	40	1.5748	80	3.1496	21.0	.827	24.0	.945	24.0	.945	—	—	487508
488016	16	.6299	35	1.3780	11.0	.433	14.4	.567	14.4	.567	—	—	488016
488502	15	.5906	35	1.3780	11.0	.433	14.4	.567	14.4	.567	—	—	488502
488503	17	.6693	40	1.5748	12.0	.472	16.6	.654	16.6	.654	—	—	488503
488504	20	.7874	47	1.8504	14.0	.551	17.8	.699	17.8	.699	—	—	488504
488505	25	.9843	52	2.0472	15.0	.591	16.7	.659	16.7	.659	—	—	488505
488506	30	1.1811	62	2.4409	16.0	.630	24.0	.945	24.0	.945	—	—	488506
488507	35	1.3780	72	2.8346	17.0	.669	25.0	.984	25.0	.984	—	—	488507
488508	40	1.5748	80	3.1496	21.0	.827	27.0	1.063	27.0	1.063	—	—	488508