



Nominal Diameter

6/9/13

Rectus Series

86/87/88

**Technical Description**

The 86, 87 and 88 Rectus Moldtite coupling series were especially developed for connecting coolant lines and injection moulds. Countersunk plugs can easily be connected and disconnected because of the extended sleeve. The angular connections prevent kinks from forming in the hose.

Advantages

Available in single shut-off, double shut-off, straight-through and Safe-Lock versions. The shut-off couplings (with valve) are equipped with nickel plated sleeves for quick and accurate visual differentiation.

Working Temperature*

-15°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

**Working Pressure****

15 bar

** maximum static working pressure with design factor 4 to 1.

15 bar

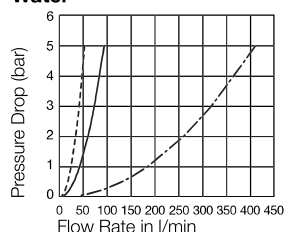
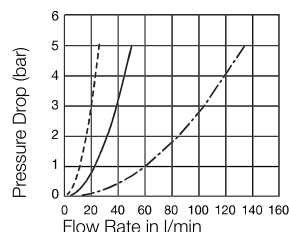
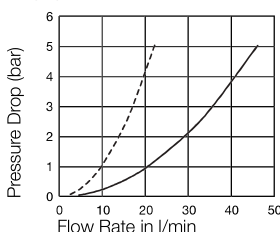
15 bar

Material

Coupling: Brass
Plug: Brass
Seals: FKM

Coupling: Brass
Plug: Brass
Seals: FKM

Coupling: Brass
Plug: Brass
Seals: FKM

Flow diagrams**Water****Water****Water**

----- Series 86
———— Series 87
- · - · - Series 88

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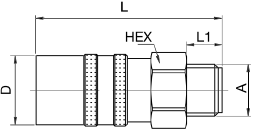
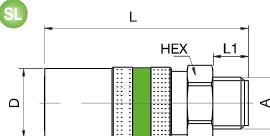
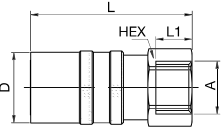
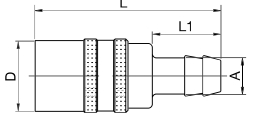
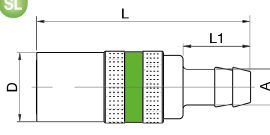
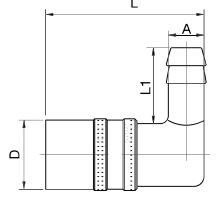
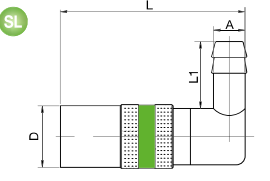
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Couplings – without valve

Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	G 1/4	17	47	9	18	86KFAW13MVX
	6	86	G 3/8	19	47	9	18	86KFAW17MVX
	9	87	G 1/4	22	56,5	9	24	87KFAW13MVX
	9	87	G 3/8	22	56,5	9	24	87KFAW17MVX
	9	87	G 1/2	22	59,5	12	24	87KFAW21MVX
 Male Thread	6	86	G 1/4	17	51,5	9	18	86KFAW13MVXSL
	6	86	G 3/8	19	51,5	9	18	86KFAW17MVXSL
	9	87	G 1/4	22	67	9	24	87KFAW13MVXSL
	9	87	G 3/8	22	67	9	24	87KFAW17MVXSL
	9	87	G 1/2	22	70	12	24	87KFAW21MVXSL
 Female Thread	6	86	G 1/8	17	40	9	18	86KFIW10MVX
	6	86	G 1/4	17	40	9	18	86KFIW13MVX
	9	87	G 1/4	21	51,5	9	24	87KFIW13MVX
	9	87	G 3/8	21	51,5	9	24	87KFIW17MVX
 Hose Barb	6	86	6 mm		46	17	18	86KFTF06MVX
	6	86	9 mm		51	22	18	86KFTF09MVX
	9	87	9 mm		64	22	24	87KFTF09MVX
	9	87	13 mm		66,5	25	24	87KFTF13MVX
	13	88	19 mm		89	32	32	88KFTF19MVX
 Hose Barb	6	86	6 mm		54	17	18	86KFTF06MVXSL
	6	86	9 mm		59	22	18	86KFTF09MVXSL
	9	87	9 mm		73	22	24	87KFTF09MVXSL
	9	87	13 mm		76	25	24	87KFTF13MVXSL
 Hose Barb 90°	6	86	6 mm		40	17	18	86KFTR06MVX
	6	86	9 mm		40	22	18	86KFTR09MVX
	9	87	9 mm		56	22	24	87KFTR09MVX
	9	87	13 mm		56	28,5	24	87KFTR13MVX
	13	88	19 mm		77	32	32	88KFTR19MVX
 Hose Barb 90°	6	86	9 mm		52,5	22	18	86KFTR09MVXSL
	9	87	9 mm		68,5	22	24	87KFTR09MVXSL
	9	87	13 mm		68,5	28,5	24	87KFTR13MVXSL



Couplings – without valve

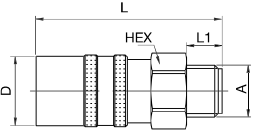
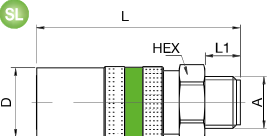
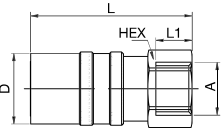
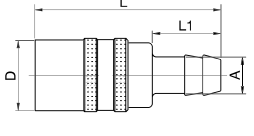
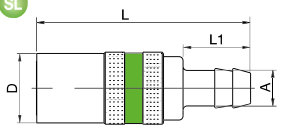
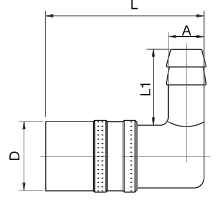
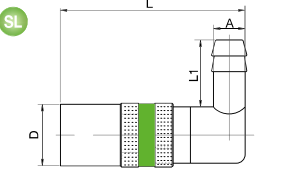
Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Hose Barb 45°	6	86	6 mm		40	17	18	86KFTH06MVX
	6	86	9 mm		40	22	18	86KFTH09MVX
	9	87	9 mm		56	22	24	87KFTH09MVX
	9	87	13 mm		56	25	24	87KFTH13MVX
 Hose Barb 45°	6	86	9 mm		51,5	22	18	86KFTH09MVXSL
	9	87	9 mm		65,5	22	24	87KFTH09MVXSL
	9	87	13 mm		65,5	25	24	87KFTH13MVXSL
 Push-Lok	6	86	6 mm		49	20,4	18	86KFTP06MVX
	6	86	10 mm		53	24,2	18	86KFTP10MVX
	9	87	10 mm		65,5	24,2	24	87KFTP10MVX
	9	87	13 mm		69,5	27,9	24	87KFTP13MVX
 Push-Lok 90°	6	86	6 mm		45	20,4	18	86KFPR06MVX
	6	86	10 mm		45	24,2	18	86KFPR10MVX
	9	87	10 mm		61,5	24,2	24	87KFPR10MVX
	9	87	13 mm		61,5	27,9	24	87KFPR13MVX
 Push-Lok 45°	6	86	6 mm		40	20,4	18	86KFPH06MVX
	6	86	10 mm		40	24,2	18	86KFPH10MVX
	9	87	10 mm		56	24,2	24	87KFPH10MVX
	9	87	13 mm		56	27,9	24	87KFPH13MVX



Couplings – with valve

Series 86/87/88

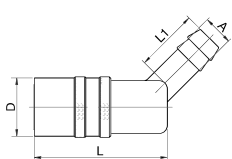
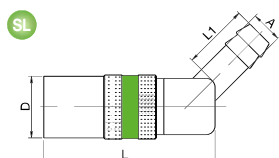
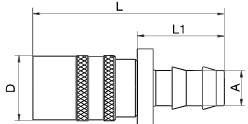
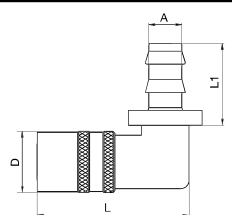
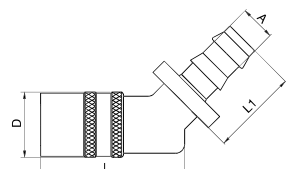
	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	G 1/4	17	47	9	18	86KBAW13MVX
	6	86	G 3/8	19	47	9	18	86KBAW17MVX
	9	87	G 1/4	22	56,5	9	24	87KBAW13MVX
	9	87	G 3/8	22	56,5	9	24	87KBAW17MVX
	9	87	G 1/2	22	59,5	12	24	87KBAW21MVX
 Male Thread	6	86	G 1/4	17	51,5	9	18	86KBAW13MVXSL
	6	86	G 3/8	19	51,5	9	18	86KBAW17MVXSL
	9	87	G 1/4	22	67	9	24	87KBAW13MVXSL
	9	87	G 3/8	22	67	9	24	87KBAW17MVXSL
	9	87	G 1/2	22	70	12	24	87KBAW21MVXSL
 Female Thread	6	86	G 1/8	17	40	9	18	86KBIW10MVX
	6	86	G 1/4	17	40	9	18	86KBIW13MVX
	9	87	G 1/4	21	51,5	9	24	87KBIW13MVX
	9	87	G 3/8	21	51,5	9	24	87KBIW17MVX
 Hose Barb	6	86	6 mm		46	17	18	86KBTF06MVX
	6	86	9 mm		51	22	18	86KBTF09MVX
	9	87	9 mm		64	22	24	87KBTF09MVX
	9	87	13 mm		66,5	25	24	87KBTF13MVX
	13	88	19 mm		89	32	32	88KBTF19MVX
 Hose Barb	6	86	6 mm		54	17	18	86KBTF06MVXSL
	6	86	9 mm		59	22	18	86KBTF09MVXSL
	9	87	9 mm		73	22	24	87KBTF09MVXSL
	9	87	13 mm		76	25	24	87KBTF13MVXSL
 Hose Barb 90°	6	86	6 mm		40	17	18	86KBTR06MVX
	6	86	9 mm		40	22	18	86KBTR09MVX
	9	87	9 mm		56	22	24	87KBTR09MVX
	9	87	13 mm		56	28,5	24	87KBTR13MVX
	13	88	19 mm		77	32	32	88KBTR19MVX
 Hose Barb 90°	6	86	9 mm		52,5	22	18	86KBTR09MVXSL
	9	87	9 mm		68,5	22	24	87KBTR09MVXSL
	9	87	13 mm		68,5	28,5	24	87KBTR13MVXSL

⚠ Please consider our security advices on the pages 8/9 ⚠



Couplings – with valve

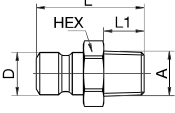
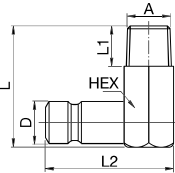
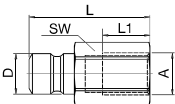
Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Hose Barb 45°	6	86	6 mm		40	17	18	86KBTH06MVX
	6	86	9 mm		40	22	18	86KBTH09MVX
	9	87	9 mm		56	22	24	87KBTH09MVX
	9	87	13 mm		56	25	24	87KBTH13MVX
 Hose Barb 45°	6	86	9 mm		51,5	22	18	86KBTH09MVXSL
	9	87	9 mm		65,5	22	24	87KBTH09MVXSL
	9	87	13 mm		65,5	25	24	87KBTH13MVXSL
 Push-Lok	6	86	6 mm		49	20,4	18	86KBTP06MVX
	6	86	10 mm		53	24,2	18	86KBTP10MVX
	9	87	10 mm		65,5	24,2	24	87KBTP10MVX
	9	87	13 mm		69,5	27,9	24	87KBTP13MVX
 Push-Lok 90°	6	86	6 mm		45	20,4	18	86KBPR06MVX
	6	86	10 mm		45	24,2	18	86KBPR10MVX
	9	87	10 mm		61,5	24,2	24	87KBPR10MVX
	9	87	13 mm		61,5	27,9	24	87KBPR13MVX
 Push-Lok 45°	6	86	6 mm		40	20,4	18	86KBPH06MVX
	6	86	10 mm		40	24,2	18	86KBPH10MVX
	9	87	10 mm		56	24,2	24	87KBPH10MVX
	9	87	13 mm		56	27,9	24	87KBPH13MVX



Plug – without valve

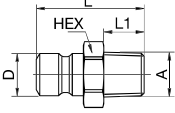
Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 Male Thread	6	86	M 10 x 1	13	23	8		9,5	86SFAM10MXX
	6	86	R 1/8	13	24	9		9,5	86SFAK10MXX
	6	86	R 1/4	16	29	12		9,5	86SFAK13MXX
	6	86	R 3/8	19	30	12		9,5	86SFAK17MXX
	6/9	87	R 1/4	16	34	12		13,5	87SFAK13MXX
	9	87	R 3/8	19	34	12		13,5	87SFAK17MXX
	9	87	R 1/2	24	39	17		13,5	87SFAK21MXX
	13	88	R 1/2	22	44	17		20	88SFAK21MXX
 Male Thread 90° tapered	6	86	R 1/8	11	27	9	28,5	9,5	86SFAR10MXX
	6	86	R 1/4	14	27	9	32	9,5	86SFAR13MXX
	9	87	R 1/4	15	34	9	32	13,5	87SFAR13MXX
	9	87	R 3/8	19	37	12	36	13,5	87SFAR17MXX
 Female Thread	6	86	G 1/8	13	28	11		9,5	86SFIW10MXX
	6	86	G 1/4	16	32	13		9,5	86SFIW13MXX
	9	87	G 1/4	16	37	13		13,5	87SFIW13MXX
	9	87	G 3/8	19	39	13		13,5	87SFIW17MXX
 Hose Barb	6	86	9 mm		39	22		9,5	86SFTF09MXX
	9	87	13 mm		41	21		13,5	87SFTF13MXX
	13	88	19 mm		91	46		20	88SFTF19MXX



Plug – with valve

Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 Male Thread	6	86	R 1/4	6	29	14		9,5	86SBAK13MVX
	6/9	87	R 1/4	16	34	12		13,5	87SBAK13MVX
	9	87	R 3/8	19	34	12		13,5	87SBAK17MVX



Extension Plugs – without valve

Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	R 1/8	11	100	9	9,5	86VN1010MXX
	6	86	R 1/8	11	150	9	9,5	86VN1015MXXS_01
	6	86	R 1/8	11	250	9	9,5	86VN1025MXX
	9	87	R 1/4	15	150	12	13,5	87VN1315MXX
	9	87	R 1/4	15	250	12	13,5	87VN1325MXX
 continuous Male Thread	6	86	G 1/8	11	100	60	9,5	86VN1010MXXS_01
	6	86	G 1/4	14	100	60	9,5	86VN1310MXX
	9	87	G 1/4	14	100	60	13,5	87VN1310MXX
	9	87	G 3/8	17	100	60	13,5	87VN1710MXX
 without Thread	6	86	10 mm	11	50		9,5	86VNXX05MXX
	6	86	10 mm	11	100		9,5	86VNXX10MXX
	6	86	10 mm	11	150		9,5	86VNXX15MXX
	6	86	10 mm	11	200		9,5	86VNXX20MXX
	9	87	14 mm	15	100		9,5	87VNXX10MXX
	9	87	14 mm	15	150		9,5	87VNXX15MXX
	9	87	14 mm	15	200		9,5	87VNXX20MXX
	9	87	14 mm	15	250		9,5	87VNXX25MXX

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