



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.

**KF** Straight-Through**KA** Single Shut-Off**KB** Double Shut-Off**Working Pressure****

15 bar

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

15 bar

15 bar

Material

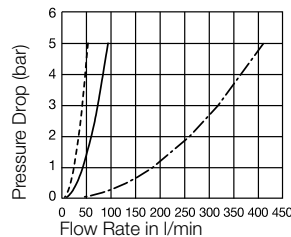
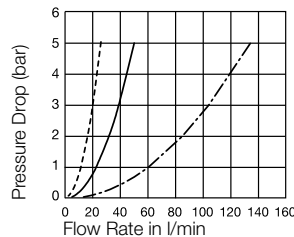
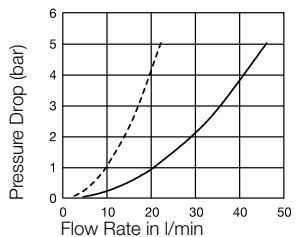
Coupling: Brass
Plug: Brass
Seals: FKM

Coupling: Brass
Plug: Brass
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Flow diagrams

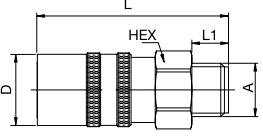
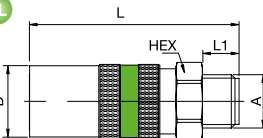
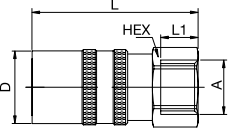
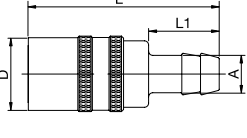
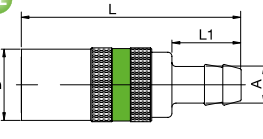
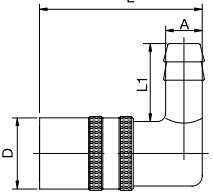
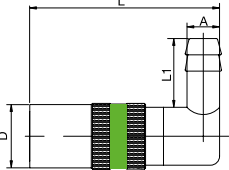
----- Series 86
———— Series 87
- - - - Series 88

Water**Water****Water**

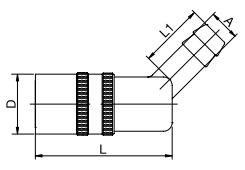
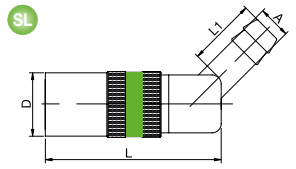
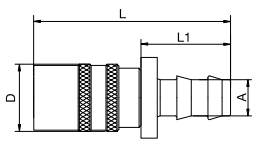
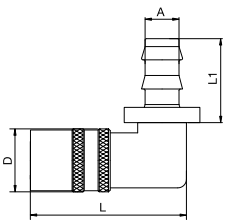
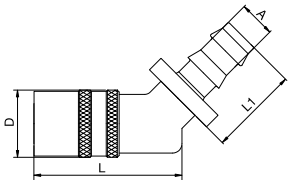


Couplings – without valve

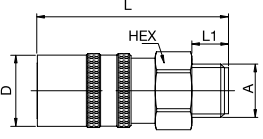
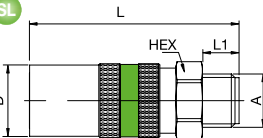
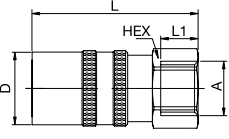
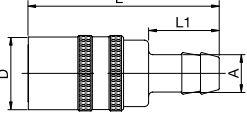
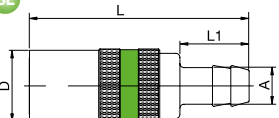
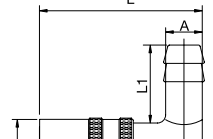
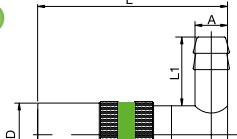
Series 86/87/88

	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
 <p>Hose Barb 45°</p>	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
 <p>Hose Barb 45°</p>	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
 <p>Push-Lok</p>	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
 <p>Push-Lok 90°</p>	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
 <p>Push-Lok 45°</p>	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

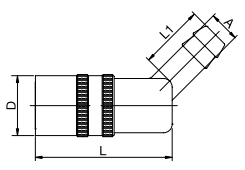
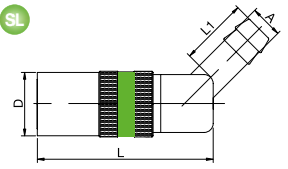
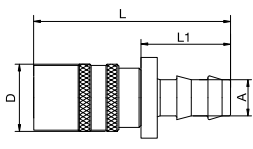
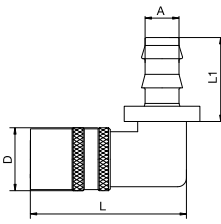
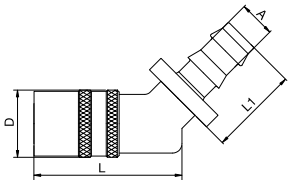


	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	G 1/4	17	47	9	18	86KBAW13MVX
	6	86	G 3/8	19	47	9	18	86KBAW17MVX
	9	87	G 1/4	22	56,5	9	24	87KBAW13MVX
	9	87	G 3/8	22	56,5	9	24	87KBAW17MVX
	9	87	G 1/2	22	59,5	12	24	87KBAW21MVX
 Male Thread	6	86	G 1/4	17	51,5	9	18	86KBAW13MVXSL
	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



Couplings – with valve

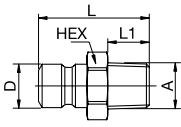
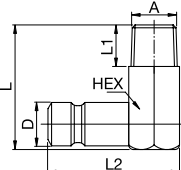
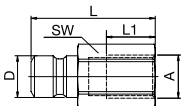
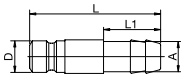
Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Hose Barb 45°</p>	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
 <p>Hose Barb 45°</p>	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
 <p>Push-Lok</p>	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
 <p>Push-Lok 90°</p>	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
 <p>Push-Lok 45°</p>	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

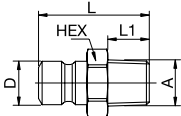
Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 <p>Male Thread</p>	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
	13	88	R 3/4	29	45	19		20	88SFAK26MXX
 <p>Male Thread 90° tapered</p>	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
 <p>Female Thread</p>	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
 <p>Hose Barb</p>	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
 <p>Male Thread</p>	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
<p>Male Thread</p>	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
<p>continuous Male Thread</p>	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
<p>without Thread</p>	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