



The Massive Development Chart

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Film	Developer	Dilution	ISO	35mm	120	Sheet	Temp	Notes
Rollei Infrared	D-76	stock	400 (25)	6	6	6	20C	[notes]
Rollei Infrared	Diafine	stock	400	3+3			22C	[notes]
Rollei Infrared	F76+	1+19	400	10			22C	[notes]
Rollei Infrared	HC-110	B	400 (12)		8:45		20C	[notes]
Rollei Infrared	ID-11	stock	400 (25)	6	6	6	20C	[notes]
Rollei Infrared	Ilfosol S	1+9	400 (12)		7:30		20C	[notes]
Rollei Infrared	PMK	2+4+100	6-8	7:30	7:30		21C	[notes]
Rollei Infrared	PMK	1+2+100	12		12		24C	[notes]
Rollei Infrared	Rodinal	1+25	400 (25)	7:30	7:30	7:30	20C	[notes]
Rollei Infrared	Rodinal	1+50	400 (25)	12	12	12	20C	[notes]
Rollei Infrared	Rollei RHS High Speed	1+7	400 (25)	6	6	6	20C	[notes]
Rollei Infrared	Rollei RHS High Speed	1+12	400 (25)	8:30	8:30	8:30	20C	[notes]
Rollei Infrared	Rollei RLS Low Speed	1+4	400 (25)	18	18	18	24C	[notes]
Rollei Infrared	Xtol	1+3	400 (25)	14	14	14	20C	[notes]
Rollei Ortho 25	D-76	stock	25	6	6	6	20C	
Rollei Ortho 25	ID-11	stock	25	6	6	6	20C	
Rollei Ortho 25	Rodinal	1+25	25	4	4	4	20C	
Rollei Ortho 25	Rodinal	1+50	25	6	6	6	20C	
Rollei Ortho 25	Rodinal	1+50	25	10			21C	
Rollei Ortho 25	Rollei RHS High Speed	1+7	25	6	6	6	20C	
Rollei Ortho 25	Rollei RHS High Speed	1+12	25	8:30	8:30	8:30	20C	
Rollei Ortho 25	Rollei RLS Low Speed	1+4	25	12	12	12	24C	
Rollei Pan 25	Amaloco AM50	1+29	25	5	5	5	20C	
Rollei Pan 25	D-76	stock	25	5	5	5	20C	
Rollei Pan 25	HC-110	F	25		13:30		20C	
Rollei Pan 25	ID-11	stock	25	5	5	5	20C	
Rollei Pan 25	Ilfosol S	1+9	25	3.5			24C	
Rollei Pan 25	Rodinal	1+25	25	6	6	6	20C	

Film	Developer	Dilution	ISO	35mm	120	Sheet	Temp	Notes
Rollei Pan 25	Rodinal	1+50	25	11	11	11	20C	
Rollei Pan 25	Rodinal	1+100	25	20			20C	[notes]
Rollei Pan 25	Rollei RHS High Speed	1+7	25	5	5	5	20C	
Rollei Pan 25	Rollei RHS High Speed	1+12	25	7	7	7	20C	
Rollei Pan 25	Rollei RLS Low Speed	1+4	25	10	10	10	24C	
Rollei Pan 25	Xtol	stock	25	6:30			20C	
Rollei R3	D-76	stock	100		7		20C	
Rollei R3	D-76	stock	200	10			20C	
Rollei R3	D-76	stock	400	14			20C	
Rollei R3	HC-110	B	400	14			20C	
Rollei R3	HC-110	B	640		16		20C	
Rollei R3	ID-11	stock	100		7		20C	
Rollei R3	ID-11	stock	200	10			20C	
Rollei R3	ID-11	stock	400	14			20C	
Rollei R3	Microphen	stock	100	9:30			20C	
Rollei R3	Microphen	1+1	400	13-14			24C	[notes]
Rollei R3	Perceptol	stock	200	14			20C	
Rollei R3	Promicrol	1+9	400	10			20C	
Rollei R3	Promicrol	1+9	400	6:30			24C	
Rollei R3	Promicrol	1+14	400	14			20C	
Rollei R3	Promicrol	1+14	400	10			24C	
Rollei R3	Promicrol	1+9	1600	14			20C	
Rollei R3	Promicrol	1+9	1600	9:30			24C	
Rollei R3	Promicrol	1+14	1600	21			20C	
Rollei R3	Promicrol	1+14	1600	15			24C	
Rollei R3	Rollei RHS High Speed	1+7	100	13			20C	
Rollei R3	Rollei RHS High Speed	1+7	200	14			20C	
Rollei R3	Rollei RHS High Speed	1+7	400	14			20C	
Rollei R3	Rollei RHS High Speed	1+7	800	18			20C	
Rollei R3	Rollei RHS High Speed	1+7	1600	22			20C	
Rollei R3	Rollei RHS High Speed	1+7	3200	26			20C	
Rollei R3	Rollei RHS High Speed	1+7	6400	32			20C	
Rollei R3	Rollei RLS Low Speed	1+4	25	22			24C	
Rollei R3	Rollei RLS Low Speed	1+4	50	23			24C	
Rollei R3	Rollei RLS Low Speed	1+4	100	24			24C	

Film	Developer	Dilution	ISO	35mm	120	Sheet	Temp	Notes
Rollei R3	Rollei RLS Low Speed	1+4	200	25			24C	
Rollei R3	Xtol	1+2	200-400	24-29			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 7	100	5			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 9	100	5:30			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 15	100	8			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 7	200	6			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 9	200	6:45			20C	
Rollei Retro 100	Rollei RHS High Speed	1 + 15	200	9:30			20C	
Rollei Retro 100	Rollei RLS Low Speed	1 + 4	50	12			24C	
Rollei Retro 100	Rollei RLS Low Speed	1 + 4	100	13			24C	
Rollei Retro 100	Rollei RLC Low Contrast	1 + 4	50	7:30			20C	
Rollei Retro 100	Rollei RLC Low Contrast	1 + 4	100	8:30			20C	
Rollei Retro 100	Rodinal	1 + 25	100	5			20C	
Rollei Retro 100	Rodinal	1 + 50	100	10			20C	
Rollei Retro 100	D76	stock	100	9			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 7	400	6			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 9	400	6:45			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 15	400	9:30			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 7	800	8			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 9	200	9			20C	
Rollei Retro 400	Rollei RHS High Speed	1 + 15	200	13			20C	
Rollei Retro 400	Rollei RLS Low Speed	1 + 4	200	12			24C	
Rollei Retro 400	Rollei RLS Low Speed	1 + 4	400	13			24C	
Rollei Retro 400	Rollei RLC Low Contrast	1 + 4	200	7:30			20C	
Rollei Retro 400	Rollei RLC Low Contrast	1 + 4	400	8:30			20C	
Rollei Retro 400	Rodinal	1 + 25	400	7:50			20C	
Rollei Retro 400	Rodinal	1 + 50	400	11:50			20C	
Rollei Retro 400	D76	stock	400	9			20C	

For further information please contact MACO. Presoaking of 30 seconds is recommended. Times in minutes. Inverting cycles of 30 sec. Setting up times for medium contrast. Stock solution is the working strength developer without additional dilution. For a product such as D-76 which is made from powder, you typically mix the powder into a "stock" solution, which can then be used as is, or can be diluted further (eg. 1+1). Liquid concentrate developers, such as Rodinal, are *always* diluted before use. These developers do not have a stock solution.

We thank digitaltruth photo for the kindly provided development charts!