

**Projection information for Horizontal enlargers.**

This table is intended for calculating track length for Horizontal Durst enlargers.

PRINT SIZE ↓ From 8x10" neg.	Focal length of lens in use on enlarger.													
	360mm					300mm					240mm			
	A	B	C	D		A	B	C	D		A	B	C	D
8x10	NA	NA	NA	NA		25	46.5	85.5	23.5		18.5	37	76	20.5
12x16"	35.5	57	95	22		30	49	88	21.5		24.5	40	79	17.5
20x24"	48.5	67.5	106	20		40	57	96	19		31.5	45.5	84.5	15.5
30x40"	70.5	86.5	125	18		58	73	104	17		47	59	98	14.5
40x50"	85.5	102	139	17.5		71	85	124	16.5		57	69	108	14
50x60"	98.5	114.5	150	17		82	96.5	135.5	16		66	78.5	117.5	13.5
80x100"	150	165	217	16		124.5	138	177	15.5		103	114.5	143.5	13

- A** = distance from baseboard / vacuum wall to lens nodal point (Nodal point is approx middle of lens)
- B** = distance from baseboard / vacuum wall to negative plane (distance from negative to baseboard)
- C** = distance from vacuum wall to the rear end of the enlarger = minimum. required length of room.
- D** = bellows extension.

Column "A" and "B" can also be used for vertical enlargers.

These above measurements may vary considerably for a DeVere horizontal chassis because on this enlarger it is possible to move the negative stage up to 24 inches on BOTH sides of the center of the optical bench. This movement is not possible on a Durst enlarger.

The measurements above assumes the negative stage placed at the very front, as is the case on a Durst horizontal enlarger, and as such the tracks can be up to 24 inches shorter than indicated when a DeVere horizontal enlarger is used..

All measurements are in INCHES. Measurements are approximate.

Rodenstock recommend a 240mm lens used at 4X enlargement

Rodenstock recommend a 300mm lens used at 4X enlargement

Rodenstock recommend a 360mm lens used at 2.5X enlargement

Using the lenses outside these recommendations will not guarantee optimum sharpness and resolution.

There are special lenses for the 1:1 area (APO type lenses, APO Rodagon, APO Ronar and other special lenses) and for the area above 10X enlargements (G type lenses).

NA = needs extended lens board and/or bellows extension if a 360mm lens is used for 1:1 printing.