



Depth of Field Tables in feet

for

ARRI/ZEISS Master Prime Lenses

circle of confusion: 0.025 mm

[Master Prime T1.3/12 mm](#)

[Master Prime T1.3/14 mm](#)

[Master Prime T1.3/16 mm](#)

[Master Prime T1.3/18 mm](#)

[Master Prime T1.3/21 mm](#)

[Master Prime T1.3/25 mm](#)

[Master Prime T1.3/27 mm](#)

[Master Prime T1.3/32 mm](#)

[Master Prime T1.3/35 mm](#)

[Master Prime T1.3/40 mm](#)

[Master Prime T1.3/50 mm](#)

[Master Prime T1.3/65 mm](#)

[Master Prime T1.3/75 mm](#)

[Master Prime T1.3/100 mm](#)

[Master Prime T1.3/135 mm](#)

[Master Prime T1.3/150 mm](#)

Depth of field tables



MASTER PRIME Distagon 12/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	17' 8 1/2" feet		8' 10 1/4" feet		6' 6 3/4" feet	
feet	from	to	from	to	from	to
INF	17' 11 1/4"	INF	18' 1 3/4"	INF	11' 11"	INF
60'	14' 1/2"	INF	14' 2"	INF	10' 1 1/2"	INF
30'	11' 6 1/4"	INF	11' 7 1/4"	INF	8' 9 1/2"	INF
20'	9' 9 1/4"	INF	9' 10"	INF	7' 9 1/4"	INF
15'	8' 6"	86' 8 3/4"	8' 6 1/2"	INF	6' 11 1/2"	INF
12'	7' 6"	33' 11 1/4"	7' 6 1/2"	INF	6' 3 3/4"	INF
10'	6' 8 1/2"	21' 1 1/4"	6' 9"	INF	5' 9 1/4"	INF
9'	6' 3 1/4"	16' 10 1/4"	6' 3 3/4"	INF	5' 5 1/2"	INF
8'	5' 9 3/4"	13' 5 3/4"	5' 10"	77' 8 3/4"	5' 1 1/4"	INF
7'	5' 3 1/2"	10' 8 1/2"	5' 3 3/4"	29' 8 1/2"	4' 8 1/2"	INF
6'	4' 8 3/4"	8' 5"	4' 9"	16' 3 3/4"	4' 3 1/4"	51' 10 1/2"
5' 6"	4' 5 1/4"	7' 4 3/4"	4' 5 1/2"	12' 8 1/4"	4' 1/2"	26' 5"
5'	4' 1 1/2"	6' 5 3/4"	4' 1 1/2"	10'	3' 9 1/2"	16' 7 3/4"
4' 6"	3' 9 1/2"	5' 7 1/4"	3' 9 3/4"	7' 11 1/2"	3' 6 1/4"	11' 5 3/4"
4' 3"	3' 7 1/2"	5' 2 1/2"	3' 7 3/4"	7' 1 1/4"	3' 4 1/2"	9' 8 1/2"
4'	3' 5 1/2"	4' 9 3/4"	3' 5 1/2"	6' 4 1/4"	3' 2 3/4"	8' 3 1/4"
3' 9"	3' 3 1/4"	4' 5 1/4"	3' 3 1/2"	5' 8"	3' 1"	7' 1"
3' 6"	3' 1 1/4"	4' 3/4"	3' 1 1/4"	5' 1/2"	2' 11"	6' 1 1/4"
3' 3"	2' 11"	3' 8 1/2"	2' 11"	4' 5 3/4"	2' 9 1/4"	5' 3"
3'	2' 8 3/4"	3' 4 1/2"	2' 8 3/4"	3' 11 1/2"	2' 7 1/4"	4' 6 1/4"
2' 9"	2' 6 1/4"	3' 1/2"	2' 6 1/4"	3' 5 3/4"	2' 5"	3' 10 3/4"
2' 6"	2' 3 3/4"	2' 8 3/4"	2' 4"	3' 1/2"	2' 3"	3' 4"
2' 3"	2' 1 1/2"	2' 5"	2' 1 1/2"	2' 7 3/4"	2' 1/2"	2' 10"
2'	1' 10 3/4"	2' 1 1/4"	1' 10 3/4"	2' 3 1/4"	1' 10 1/4"	2' 4 3/4"
23"	1' 10"	2' 1/4"	1' 10"	2' 1 3/4"	1' 9 1/2"	2' 3"
22"	1' 9"	1' 11"	1' 9"	2' 1/2"	1' 8 3/4"	2' 1 1/2"
21"	1' 8 1/4"	1' 10"	1' 8 1/4"	1' 11"	1' 7 3/4"	2'
20"	1' 7 1/4"	1' 8 3/4"	1' 7 1/4"	1' 9 3/4"	1' 7"	1' 10 1/2"
19"	1' 6 1/2"	1' 7 3/4"	1' 6 1/2"	1' 8 1/2"	1' 6 1/4"	1' 9"
18"	1' 5 1/2"	1' 6 1/2"	1' 5 1/2"	1' 7 1/4"	1' 5 1/4"	1' 7 3/4"
17"	1' 4 1/2"	1' 5 1/2"	1' 4 1/2"	1' 6"	1' 4 1/2"	1' 6 1/4"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 3/4"	1' 3 1/2"	1' 5"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/2"	1' 2 3/4"	1' 3 3/4"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"	1' 1 3/4"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 12/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	5' 3" feet		4' 3 1/4" feet		3' 2 1/4" feet	
feet	from	to	from	to	from	to
INF	7' 6 1/4"	INF	5' 3/4"	INF	3' 7 3/4"	INF
60'	6' 9 3/4"	INF	4' 9 1/4"	INF	3' 6"	INF
30'	6' 2 1/2"	INF	4' 6"	INF	3' 4 1/4"	INF
20'	5' 8 1/2"	INF	4' 3"	INF	3' 2 3/4"	INF
15'	5' 3 1/2"	INF	4' 1 1/4"	INF	3' 1 1/2"	INF
12'	4' 11 1/4"	INF	3' 10"	INF	3' 1/4"	INF
10'	4' 7 1/4"	INF	3' 7 3/4"	INF	2' 11"	INF
9'	4' 5"	INF	3' 6 1/2"	INF	2' 10 1/4"	INF
8'	4' 2 1/2"	INF	3' 5"	INF	2' 9 1/4"	INF
7'	3' 11 1/2"	INF	3' 3"	INF	2' 8 1/4"	INF
6'	3' 8"	INF	3' 3/4"	INF	2' 6 3/4"	INF
5' 6"	3' 6"	INF	2' 11 1/2"	INF	2' 6"	INF
5'	3' 3 3/4"	79' 9 1/4"	2' 10 1/4"	INF	2' 5"	INF
4' 6"	3' 1 1/2"	24' 2"	2' 8 1/2"	INF	2' 4"	INF
4' 3"	3' 1/4"	17' 2"	2' 7 1/2"	INF	2' 3 1/2"	INF
4'	2' 10 3/4"	12' 11 1/4"	2' 6 3/4"	91' 8 1/2"	2' 2 3/4"	INF
3' 9"	2' 9 1/2"	10' 1 3/4"	2' 5 3/4"	29' 2"	2' 2"	INF
3' 6"	2' 8"	8' 1 1/2"	2' 4 1/2"	16' 5"	2' 1 1/4"	INF
3' 3"	2' 6 1/2"	6' 7 1/2"	2' 3 1/2"	10' 11 1/4"	2' 1/2"	INF
3'	2' 4 3/4"	5' 5 1/4"	2' 2 1/4"	7' 10 3/4"	1' 11 1/2"	30' 5 1/2"
2' 9"	2' 3"	4' 6"	2' 1"	5' 11 1/4"	1' 10 1/2"	12' 6 1/4"
2' 6"	2' 1 1/4"	3' 9"	1' 11 1/2"	4' 7 1/4"	1' 9 1/2"	7' 4 1/2"
2' 3"	1' 11 1/2"	3' 1 1/4"	1' 10"	3' 7 1/4"	1' 8 1/4"	4' 11 1/4"
2'	1' 9 1/4"	2' 6 3/4"	1' 8 1/4"	2' 10 1/4"	1' 7"	3' 6 1/4"
23"	1' 8 3/4"	2' 4 3/4"	1' 7 1/2"	2' 7 3/4"	1' 6 1/2"	3' 2"
22"	1' 8"	2' 3"	1' 7"	2' 5 1/4"	1' 6"	2' 10 1/4"
21"	1' 7 1/4"	2' 1 1/4"	1' 6 1/2"	2' 3"	1' 5 1/2"	2' 7"
20"	1' 6 1/2"	1' 11 1/2"	1' 5 3/4"	2' 1"	1' 5"	2' 4"
19"	1' 5 3/4"	1' 9 3/4"	1' 5"	1' 11"	1' 4 1/4"	2' 1 1/2"
18"	1' 5"	1' 8 1/4"	1' 4 1/4"	1' 9 1/4"	1' 3 3/4"	1' 11"
17"	1' 4"	1' 6 3/4"	1' 3 3/4"	1' 7 1/2"	1' 3 1/4"	1' 9"
16"	1' 3 1/4"	1' 5 1/2"	1' 3"	1' 6"	1' 2 1/2"	1' 7"
15"	1' 2 1/2"	1' 4"	1' 2 1/4"	1' 4 1/2"	1' 1 3/4"	1' 5 1/4"
14"	1' 1 1/2"	1' 2 3/4"	1' 1 1/4"	1' 3"	1' 1"	1' 3 1/2"

Depth of field tables



MASTER PRIME Distagon 12/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	2' 6" feet		1' 11 3/4" feet		1' 7" feet	
feet	from	to	from	to	from	to
INF	2' 8 3/4"	INF	2' 1 1/4"	INF	1' 8"	INF
60'	2' 7 3/4"	INF	2' 3/4"	INF	1' 7 3/4"	INF
30'	2' 7"	INF	2' 1/2"	INF	1' 7 3/4"	INF
20'	2' 6 1/4"	INF	2'	INF	1' 7 1/2"	INF
15'	2' 5 1/2"	INF	1' 11 1/2"	INF	1' 7 1/4"	INF
12'	2' 4 3/4"	INF	1' 11 1/4"	INF	1' 7"	INF
10'	2' 4 1/4"	INF	1' 10 3/4"	INF	1' 6 3/4"	INF
9'	2' 3 3/4"	INF	1' 10 3/4"	INF	1' 6 3/4"	INF
8'	2' 3 1/4"	INF	1' 10 1/4"	INF	1' 6 1/2"	INF
7'	2' 2 1/2"	INF	1' 10"	INF	1' 6 1/2"	INF
6'	2' 1 3/4"	INF	1' 9 1/2"	INF	1' 6"	INF
5' 6"	2' 1 1/4"	INF	1' 9 1/4"	INF	1' 6"	INF
5'	2' 3/4"	INF	1' 8 3/4"	INF	1' 5 3/4"	INF
4' 6"	2'	INF	1' 8 1/2"	INF	1' 5 1/2"	INF
4' 3"	1' 11 1/2"	INF	1' 8 1/4"	INF	1' 5 1/4"	INF
4'	1' 11 1/4"	INF	1' 8"	INF	1' 5 1/4"	INF
3' 9"	1' 10 3/4"	INF	1' 7 3/4"	INF	1' 5"	INF
3' 6"	1' 10 1/4"	INF	1' 7 1/4"	INF	1' 4 3/4"	INF
3' 3"	1' 9 3/4"	INF	1' 7"	INF	1' 4 1/2"	INF
3'	1' 9"	INF	1' 6 1/2"	INF	1' 4 1/4"	INF
2' 9"	1' 8 1/4"	INF	1' 6"	INF	1' 4"	INF
2' 6"	1' 7 1/2"	INF	1' 5 1/2"	INF	1' 3 3/4"	INF
2' 3"	1' 6 3/4"	13' 1"	1' 5"	INF	1' 3 1/4"	INF
2'	1' 5 1/2"	5' 9"	1' 4 1/4"	INF	1' 2 3/4"	INF
23"	1' 5 1/4"	4' 8 3/4"	1' 4"	39' 11 1/4"	1' 2 1/2"	INF
22"	1' 4 3/4"	3' 11 3/4"	1' 3 3/4"	12' 11 3/4"	1' 2 1/2"	INF
21"	1' 4 1/2"	3' 4 3/4"	1' 3 1/4"	7' 6 1/4"	1' 2 1/4"	INF
20"	1' 4"	2' 11"	1' 3"	5' 2 1/4"	1' 2"	INF
19"	1' 3 1/2"	2' 6 1/2"	1' 2 3/4"	3' 10 3/4"	1' 1 3/4"	INF
18"	1' 3"	2' 2 3/4"	1' 2 1/4"	3' 3/4"	1' 1 1/2"	10' 9 1/2"
17"	1' 2 1/2"	1' 11 1/2"	1' 1 3/4"	2' 6"	1' 1"	5' 3/4"
16"	1' 2"	1' 8 3/4"	1' 1 1/2"	2' 1"	1' 3/4"	3' 2 3/4"
15"	1' 1 1/2"	1' 6 1/2"	1' 1"	1' 9"	1' 1/4"	2' 4 1/4"
14"	1' 3/4"	1' 4 1/2"	1' 1/2"	1' 6"	1'	1' 9 3/4"

Depth of field tables



MASTER PRIME Distagon 14/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	23' 7 1/2" feet		15' 9" feet		9' 6 1/4" feet	
	from	to	from	to	from	to
feet						
INF	23' 8 1/4"	INF	15' 9 1/2"	INF	13' 7"	INF
60'	17' 2 3/4"	INF	12' 8 1/4"	INF	11' 3"	INF
30'	13' 6 1/2"	INF	10' 7 1/4"	INF	9' 7 1/4"	INF
20'	11' 1 3/4"	123' 1/2"	9' 1 1/2"	INF	8' 4 1/2"	INF
15'	9' 5 3/4"	38' 11 1/2"	8'	294' 2"	7' 5 1/4"	INF
12'	8' 2 3/4"	23' 1 3/4"	7' 1 1/4"	46' 8 1/2"	6' 8"	INF
10'	7' 3 1/2"	16' 5 3/4"	6' 5"	25' 4 1/2"	6' 3/4"	INF
9'	6' 9"	13' 9 3/4"	6'	19' 5 1/2"	5' 8 1/2"	120' 6 1/2"
8'	6' 2 1/2"	11' 6"	5' 7"	15' 3/4"	5' 3 3/4"	41' 6 1/2"
7'	5' 7 1/4"	9' 5 1/2"	5' 1 1/4"	11' 8 1/4"	4' 10 3/4"	22' 6 3/4"
6'	4' 11 3/4"	7' 7 3/4"	4' 7"	9'	4' 5"	14' 1/4"
5' 6"	4' 7 3/4"	6' 9 3/4"	4' 3 3/4"	7' 10"	4' 2"	11' 3 3/4"
5'	4' 3 1/2"	6' 1/2"	4' 1/4"	6' 9 1/2"	3' 10 3/4"	9' 2"
4' 6"	3' 11 1/4"	5' 3 1/2"	3' 8 1/2"	5' 10 1/4"	3' 7 1/4"	7' 5 1/2"
4' 3"	3' 9"	4' 11 1/4"	3' 6 1/2"	5' 5"	3' 5 1/2"	6' 8 3/4"
4'	3' 6 3/4"	4' 7"	3' 4 1/2"	4' 11 3/4"	3' 3 1/2"	6' 1/2"
3' 9"	3' 4 1/2"	4' 3"	3' 2 1/2"	4' 7"	3' 1 3/4"	5' 5 1/4"
3' 6"	3' 2"	3' 11"	3' 1/2"	4' 2 1/4"	2' 11 3/4"	4' 10 1/2"
3' 3"	2' 11 3/4"	3' 7 1/4"	2' 10 1/4"	3' 9 3/4"	2' 9 1/2"	4' 4 1/4"
3'	2' 9 1/4"	3' 3 1/4"	2' 8"	3' 5 1/2"	2' 7 1/2"	3' 10 1/2"
2' 9"	2' 6 3/4"	2' 11 3/4"	2' 5 3/4"	3' 1 1/4"	2' 5 1/4"	3' 5"
2' 6"	2' 4 1/4"	2' 8"	2' 3 1/2"	2' 9 1/4"	2' 3"	3'
2' 3"	2' 1 3/4"	2' 4 1/2"	2' 1"	2' 5 1/2"	2' 3/4"	2' 7 1/2"
2'	1' 11"	2' 1"	1' 10 1/2"	2' 1 3/4"	1' 10 1/4"	2' 3"
23"	1' 10 1/4"	2'	1' 9 3/4"	2' 1/2"	1' 9 1/2"	2' 1 3/4"
22"	1' 9 1/4"	1' 10 3/4"	1' 9"	1' 11 1/4"	1' 8 3/4"	2' 1/4"
21"	1' 8 1/4"	1' 9 3/4"	1' 8"	1' 10 1/4"	1' 8"	1' 11"
20"	1' 7 1/2"	1' 8 1/2"	1' 7 1/4"	1' 9"	1' 7"	1' 9 3/4"
19"	1' 6 1/2"	1' 7 1/2"	1' 6 1/4"	1' 7 3/4"	1' 6 1/4"	1' 8 1/2"
18"	1' 5 1/2"	1' 6 1/2"	1' 5 1/2"	1' 6 3/4"	1' 5 1/4"	1' 7 1/4"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 1/2"	1' 5 1/2"	1' 4 1/2"	1' 6"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 1/2"	1' 4 1/2"	1' 3 1/2"	1' 4 3/4"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/2"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 14/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	6' 6 3/4" feet		4' 11" feet		3' 7 1/4" feet	
	from	to	from	to	from	to
feet						
INF	10' 9 1/2"	INF	7' 8 1/4"	INF	5' 3 1/2"	INF
60'	9' 3 3/4"	INF	6' 11 1/4"	INF	4' 11 1/2"	INF
30'	8' 2"	INF	6' 3 3/4"	INF	4' 7 3/4"	INF
20'	7' 3 1/2"	INF	5' 9 1/2"	INF	4' 4 1/2"	INF
15'	6' 6 3/4"	INF	5' 4 1/4"	INF	4' 1 3/4"	INF
12'	5' 11 3/4"	INF	4' 11 3/4"	INF	3' 11 1/4"	INF
10'	5' 6"	INF	4' 7 3/4"	INF	3' 8 3/4"	INF
9'	5' 2 1/2"	INF	4' 5 1/4"	INF	3' 7 1/4"	INF
8'	4' 10 3/4"	INF	4' 2 3/4"	INF	3' 5 3/4"	INF
7'	4' 6 1/2"	INF	3' 11 1/2"	INF	3' 3 3/4"	INF
6'	4' 1 1/2"	60' 5 1/4"	3' 8"	INF	3' 1 1/4"	INF
5' 6"	3' 11"	28' 8"	3' 6"	INF	3'	INF
5'	3' 8"	17' 7 1/4"	3' 3 3/4"	INF	2' 10 1/2"	INF
4' 6"	3' 5"	11' 11 1/2"	3' 1 1/2"	51'	2' 8 3/4"	INF
4' 3"	3' 3 1/2"	10' 1"	3'	27' 4"	2' 7 3/4"	INF
4'	3' 1 3/4"	8' 6 3/4"	2' 10 3/4"	17' 11 3/4"	2' 7"	INF
3' 9"	3'	7' 3 3/4"	2' 9 1/2"	12' 11 1/2"	2' 5 3/4"	INF
3' 6"	2' 10 1/4"	6' 3 1/4"	2' 8"	9' 10"	2' 4 3/4"	44' 2 1/2"
3' 3"	2' 8 1/2"	5' 4 1/2"	2' 6 1/4"	7' 8 1/2"	2' 3 1/2"	18' 7 1/2"
3'	2' 6 1/2"	4' 7 1/2"	2' 4 3/4"	6' 1 3/4"	2' 2 1/4"	11' 1 3/4"
2' 9"	2' 4 1/2"	3' 11 3/4"	2' 3"	4' 11 3/4"	2' 1"	7' 7"
2' 6"	2' 2 1/2"	3' 4 3/4"	2' 1 1/4"	4' 1/2"	1' 11 1/2"	5' 5 3/4"
2' 3"	2' 1/4"	2' 10 1/2"	1' 11 1/4"	3' 3 3/4"	1' 9 3/4"	4' 1 1/2"
2'	1' 10"	2' 5 1/4"	1' 9 1/4"	2' 8 1/4"	1' 8 1/4"	3' 1 3/4"
23"	1' 9 1/4"	2' 3 1/2"	1' 8 1/2"	2' 6 1/4"	1' 7 1/2"	2' 10 1/2"
22"	1' 8 1/2"	2' 1 3/4"	1' 7 3/4"	2' 4"	1' 7"	2' 7 3/4"
21"	1' 7 1/2"	2' 1/4"	1' 7"	2' 2 1/4"	1' 6 1/4"	2' 5"
20"	1' 6 3/4"	1' 10 3/4"	1' 6 1/4"	2' 1/4"	1' 5 3/4"	2' 2 3/4"
19"	1' 6"	1' 9 1/4"	1' 5 1/2"	1' 10 1/2"	1' 5"	2' 1/2"
18"	1' 5 1/4"	1' 8"	1' 4 3/4"	1' 9"	1' 4 1/4"	1' 10 1/2"
17"	1' 4 1/4"	1' 6 1/2"	1' 4"	1' 7 1/4"	1' 3 1/2"	1' 8 1/2"
16"	1' 3 1/2"	1' 5 1/4"	1' 3 1/4"	1' 5 3/4"	1' 2 3/4"	1' 6 3/4"
15"	1' 2 1/2"	1' 4"	1' 2 1/4"	1' 4 1/2"	1' 2"	1' 5"
14"	1' 1 3/4"	1' 2 3/4"	1' 1 1/2"	1' 3"	1' 1 1/4"	1' 3 1/2"

Depth of field tables



MASTER PRIME Distagon 14/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	2' 10 3/4" feet		2' 3 1/4" feet		1' 9 3/4" feet	
	from	to	from	to	from	to
feet						
INF	3' 8 3/4"	INF	2' 8 1/2"	INF	2' 3/4"	INF
60'	3' 7"	INF	2' 7 3/4"	INF	2' 1/4"	INF
30'	3' 5 1/4"	INF	2' 7"	INF	1' 11 3/4"	INF
20'	3' 3 1/2"	INF	2' 6"	INF	1' 11 1/2"	INF
15'	3' 2"	INF	2' 5 1/4"	INF	1' 11"	INF
12'	3' 3/4"	INF	2' 4 1/2"	INF	1' 10 3/4"	INF
10'	2' 11 1/2"	INF	2' 4"	INF	1' 10 1/4"	INF
9'	2' 10 1/2"	INF	2' 3 1/2"	INF	1' 10"	INF
8'	2' 9 3/4"	INF	2' 3"	INF	1' 9 3/4"	INF
7'	2' 8 1/2"	INF	2' 2 1/4"	INF	1' 9 1/2"	INF
6'	2' 7"	INF	2' 1 1/2"	INF	1' 9"	INF
5' 6"	2' 6 1/4"	INF	2' 1"	INF	1' 8 3/4"	INF
5'	2' 5 1/4"	INF	2' 1/4"	INF	1' 8 1/4"	INF
4' 6"	2' 4"	INF	1' 11 3/4"	INF	1' 8"	INF
4' 3"	2' 3 1/2"	INF	1' 11 1/4"	INF	1' 7 3/4"	INF
4'	2' 2 3/4"	INF	1' 10 3/4"	INF	1' 7 1/2"	INF
3' 9"	2' 2"	INF	1' 10 1/2"	INF	1' 7 1/4"	INF
3' 6"	2' 1 1/4"	INF	1' 10"	INF	1' 6 3/4"	INF
3' 3"	2' 1/2"	INF	1' 9 1/4"	INF	1' 6 1/2"	INF
3'	1' 11 1/2"	INF	1' 8 3/4"	INF	1' 6"	INF
2' 9"	1' 10 1/2"	36' 7 3/4"	1' 8"	INF	1' 5 1/2"	INF
2' 6"	1' 9 1/2"	11' 10"	1' 7 1/4"	INF	1' 5"	INF
2' 3"	1' 8 1/4"	6' 6 1/4"	1' 6 1/4"	114' 3"	1' 4 1/2"	INF
2'	1' 6 3/4"	4' 2 1/2"	1' 5 1/4"	9' 1 1/2"	1' 3 3/4"	INF
23"	1' 6 1/4"	3' 8 1/2"	1' 5"	6' 9"	1' 3 1/2"	INF
22"	1' 5 3/4"	3' 3 1/4"	1' 4 1/2"	5' 3 1/4"	1' 3 1/4"	INF
21"	1' 5 1/4"	2' 11"	1' 4 1/4"	4' 3 1/4"	1' 3"	23' 1 1/4"
20"	1' 4 3/4"	2' 7 1/4"	1' 3 3/4"	3' 6 1/2"	1' 2 1/2"	9' 5 3/4"
19"	1' 4 1/4"	2' 4"	1' 3 1/4"	2' 11 3/4"	1' 2 1/4"	5' 9 3/4"
18"	1' 3 1/2"	2' 1"	1' 2 3/4"	2' 6 1/2"	1' 2"	4' 1"
17"	1' 3"	1' 10 1/2"	1' 2 1/4"	2' 2 1/4"	1' 1 1/2"	3' 1 1/4"
16"	1' 2 1/4"	1' 8 1/4"	1' 1 3/4"	1' 10 3/4"	1' 1"	2' 5 1/2"
15"	1' 1 3/4"	1' 6"	1' 1 1/4"	1' 8"	1' 1/2"	2'
14"	1' 1"	1' 4 1/4"	1' 1/2"	1' 5 1/2"	1'	1' 8"

Depth of field tables



MASTER PRIME Distagon 16/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	30' 2 1/4" feet		21' 4" feet		14' 9 1/4" feet	
	from	to	from	to	from	to
feet						
INF	30' 1 1/2"	INF	18' 9 1/4"	INF	13' 10 1/4"	INF
60'	20' 3 1/2"	INF	14' 5 3/4"	INF	11' 5"	INF
30'	15' 3 1/2"	8146' 5 1/2"	11' 9 1/2"	INF	9' 8 1/2"	INF
20'	12' 3 1/4"	57' 6 1/4"	9' 11 1/4"	279' 1"	8' 5 1/4"	INF
15'	10' 3"	28' 10 1/2"	8' 7 1/4"	47' 5"	7' 5 1/2"	INF
12'	8' 9 1/2"	19' 3 1/4"	7' 6 3/4"	25' 11"	6' 8 1/4"	60' 2 1/4"
10'	7' 8 1/2"	14' 5 1/2"	6' 9 1/4"	17' 10"	6' 3/4"	28' 11 3/4"
9'	7' 1 1/4"	12' 4 3/4"	6' 3 3/4"	14' 9 1/4"	5' 8 1/2"	21' 6 1/4"
8'	6' 6"	10' 6 1/4"	5' 10"	12' 1 3/4"	5' 3 3/4"	16' 3 1/2"
7'	5' 10"	8' 9 3/4"	5' 3 3/4"	9' 10 3/4"	4' 10 1/2"	12' 5"
6'	5' 1 3/4"	7' 3"	4' 8 3/4"	7' 11 1/4"	4' 4 3/4"	9' 5 1/4"
5' 6"	4' 9 1/2"	6' 6"	4' 5 1/4"	7' 1/2"	4' 1 3/4"	8' 2 1/4"
5'	4' 5"	5' 9 1/2"	4' 1 1/2"	6' 2 1/2"	3' 10 1/2"	7' 3/4"
4' 6"	4' 1/4"	5' 1 1/2"	3' 9 1/2"	5' 5 1/4"	3' 7"	6' 1/2"
4' 3"	3' 10"	4' 9 1/2"	3' 7 1/2"	5' 3/4"	3' 5 1/4"	5' 7"
4'	3' 7 1/2"	4' 5 1/2"	3' 5 1/4"	4' 8 1/4"	3' 3 1/2"	5' 1 1/2"
3' 9"	3' 5 1/4"	4' 1 3/4"	3' 3 1/4"	4' 4"	3' 1 1/2"	4' 8 1/4"
3' 6"	3' 2 3/4"	3' 10"	3' 1"	4'	2' 11 1/2"	4' 3 1/2"
3' 3"	3' 1/4"	3' 6 1/4"	2' 10 3/4"	3' 8"	2' 9 1/2"	3' 10 3/4"
3'	2' 9 3/4"	3' 2 3/4"	2' 8 1/2"	3' 4"	2' 7 1/4"	3' 6 1/4"
2' 9"	2' 7 1/4"	2' 11 1/4"	2' 6"	3' 1/4"	2' 5 1/4"	3' 2"
2' 6"	2' 4 1/2"	2' 7 3/4"	2' 3 3/4"	2' 8 1/2"	2' 3"	2' 9 3/4"
2' 3"	2' 1 3/4"	2' 4 1/4"	2' 1 1/4"	2' 4 3/4"	2' 3/4"	2' 5 3/4"
2'	1' 11 1/4"	2' 1"	1' 10 3/4"	2' 1 1/4"	1' 10 1/4"	2' 2"
23"	1' 10 1/4"	1' 11 3/4"	1' 9 3/4"	2' 1/4"	1' 9 1/2"	2' 3/4"
22"	1' 9 1/4"	1' 10 3/4"	1' 9"	1' 11"	1' 8 1/2"	1' 11 1/2"
21"	1' 8 1/2"	1' 9 3/4"	1' 8"	1' 10"	1' 7 3/4"	1' 10 1/2"
20"	1' 7 1/2"	1' 8 1/2"	1' 7 1/4"	1' 8 3/4"	1' 7"	1' 9 1/4"
19"	1' 6 1/2"	1' 7 1/2"	1' 6 1/4"	1' 7 3/4"	1' 6"	1' 8"
18"	1' 5 3/4"	1' 6 1/2"	1' 5 1/2"	1' 6 1/2"	1' 5 1/4"	1' 6 3/4"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 1/2"	1' 5 1/2"	1' 4 1/4"	1' 5 3/4"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 1/2"	1' 4 1/2"	1' 3 1/2"	1' 4 1/2"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"	1' 2 1/2"	1' 3 1/2"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"

Depth of field tables



MASTER PRIME Distagon 16/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	10' 2" feet		7' 2 1/2" feet		5' 3" feet	
	from	to	from	to	from	to
feet						
INF	10' 3"	INF	7' 4 3/4"	INF	5' 5"	INF
60'	8' 10 1/2"	INF	6' 8 1/4"	INF	5' 1 1/2"	INF
30'	7' 10"	INF	6' 1 1/4"	INF	4' 8 1/2"	INF
20'	7'	INF	5' 7 1/4"	INF	4' 5 1/4"	INF
15'	6' 4"	INF	5' 2 1/4"	INF	4' 2 1/4"	INF
12'	5' 9 1/2"	INF	4' 9 3/4"	INF	3' 11 1/2"	INF
10'	5' 3 3/4"	401' 7"	4' 6"	INF	3' 9"	INF
9'	5' 3/4"	67' 5"	4' 3 3/4"	INF	3' 7 1/2"	INF
8'	4' 9"	33' 3/4"	4' 1 1/4"	INF	3' 5 3/4"	INF
7'	4' 5"	19' 11 3/4"	3' 10 1/4"	117' 1/2"	3' 3 3/4"	INF
6'	4' 1/4"	13' 1"	3' 6 3/4"	27' 8 1/2"	3' 1 1/4"	INF
5' 6"	3' 9 3/4"	10' 8 3/4"	3' 5"	18' 7 3/4"	3'	INF
5'	3' 7"	8' 10"	3' 2 3/4"	13' 5"	2' 10 1/4"	63' 6 1/2"
4' 6"	3' 4 1/4"	7' 3"	3' 1/2"	9' 11 3/4"	2' 8 1/2"	23' 3"
4' 3"	3' 2 1/2"	6' 6 3/4"	2' 11 1/4"	8' 8 1/4"	2' 7 3/4"	16' 11 1/2"
4'	3' 1"	5' 11 1/4"	2' 10"	7' 6 3/4"	2' 6 3/4"	13'
3' 9"	2' 11 1/4"	5' 4 1/4"	2' 8 3/4"	6' 7 1/4"	2' 5 1/2"	10' 3 1/4"
3' 6"	2' 9 3/4"	4' 9 3/4"	2' 7 1/4"	5' 9 1/4"	2' 4 1/2"	8' 3 3/4"
3' 3"	2' 7 3/4"	4' 3 3/4"	2' 5 3/4"	5' 1/2"	2' 3 1/4"	6' 9 1/2"
3'	2' 6"	3' 10 1/4"	2' 4 1/4"	4' 4 3/4"	2' 2"	5' 7 1/4"
2' 9"	2' 4"	3' 5"	2' 2 1/2"	3' 9 3/4"	2' 3/4"	4' 8"
2' 6"	2' 2"	3'	2' 3/4"	3' 3 1/2"	1' 11 1/4"	3' 10 1/2"
2' 3"	2'	2' 7 1/2"	1' 10 3/4"	2' 10"	1' 9 1/2"	3' 2 1/2"
2'	1' 9 3/4"	2' 3 1/4"	1' 8 3/4"	2' 4 3/4"	1' 8"	2' 7 3/4"
23"	1' 9"	2' 1 3/4"	1' 8 1/4"	2' 3 1/4"	1' 7 1/4"	2' 5 3/4"
22"	1' 8 1/4"	2' 1/2"	1' 7 1/2"	2' 1 3/4"	1' 6 3/4"	2' 3 3/4"
21"	1' 7 1/4"	1' 11"	1' 6 3/4"	2' 1/4"	1' 6"	2' 2"
20"	1' 6 1/2"	1' 9 3/4"	1' 6"	1' 10 3/4"	1' 5 1/2"	2' 1/4"
19"	1' 5 3/4"	1' 8 1/2"	1' 5 1/4"	1' 9 1/4"	1' 4 3/4"	1' 10 1/2"
18"	1' 5"	1' 7 1/4"	1' 4 1/2"	1' 8"	1' 4"	1' 9"
17"	1' 4"	1' 6"	1' 3 3/4"	1' 6 1/2"	1' 3 1/4"	1' 7 1/2"
16"	1' 3 1/4"	1' 5"	1' 3"	1' 5 1/4"	1' 2 3/4"	1' 6"
15"	1' 2 1/2"	1' 3 3/4"	1' 2 1/4"	1' 4"	1' 2"	1' 4 1/2"
14"	1' 1 1/2"	1' 2 1/2"	1' 1 1/4"	1' 2 3/4"	1' 1"	1' 3 1/4"

Depth of field tables



MASTER PRIME Distagon 16/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	3' 11 1/4" feet		2' 11 1/2" feet		2' 2 3/4" feet	
	from	to	from	to	from	to
feet						
INF	3' 11 3/4"	INF	2' 11 1/2"	INF	2' 3"	INF
60'	3' 9 1/2"	INF	2' 10 1/4"	INF	2' 2 1/4"	INF
30'	3' 7 1/4"	INF	2' 9 1/4"	INF	2' 1 3/4"	INF
20'	3' 5 1/2"	INF	2' 8 1/4"	INF	2' 1 1/4"	INF
15'	3' 3 3/4"	INF	2' 7 1/4"	INF	2' 3/4"	INF
12'	3' 2 1/4"	INF	2' 6 1/2"	INF	2' 1/4"	INF
10'	3' 3/4"	INF	2' 5 1/2"	INF	1' 11 3/4"	INF
9'	2' 11 3/4"	INF	2' 5"	INF	1' 11 1/2"	INF
8'	2' 10 3/4"	INF	2' 4 1/4"	INF	1' 11"	INF
7'	2' 9 1/4"	INF	2' 3 1/2"	INF	1' 10 1/2"	INF
6'	2' 7 3/4"	INF	2' 2 1/2"	INF	1' 10"	INF
5' 6"	2' 6 3/4"	INF	2' 2"	INF	1' 9 3/4"	INF
5'	2' 5 3/4"	INF	2' 1 1/4"	INF	1' 9 1/4"	INF
4' 6"	2' 4 1/2"	INF	2' 1/2"	INF	1' 8 3/4"	INF
4' 3"	2' 3 3/4"	INF	2'	INF	1' 8 1/2"	INF
4'	2' 3"	INF	1' 11 1/2"	INF	1' 8"	INF
3' 9"	2' 2 1/4"	60' 3/4"	1' 11"	INF	1' 7 3/4"	INF
3' 6"	2' 1 1/2"	23' 10 1/4"	1' 10 1/4"	INF	1' 7 1/2"	INF
3' 3"	2' 1/2"	14' 1"	1' 9 3/4"	INF	1' 7"	INF
3'	1' 11 1/2"	9' 6 1/2"	1' 9"	INF	1' 6 1/2"	INF
2' 9"	1' 10 1/2"	6' 11"	1' 8 1/4"	28' 3 1/4"	1' 6"	INF
2' 6"	1' 9 1/2"	5' 2 1/2"	1' 7 1/2"	11' 3 1/2"	1' 5 1/4"	INF
2' 3"	1' 8"	4' 1/4"	1' 6 1/2"	6' 6 1/2"	1' 4 3/4"	INF
2'	1' 6 3/4"	3' 1 1/2"	1' 5 1/4"	4' 3 3/4"	1' 3 3/4"	11' 2"
23"	1' 6 1/4"	2' 10 1/2"	1' 5"	3' 9 1/2"	1' 3 1/2"	7' 11 1/2"
22"	1' 5 3/4"	2' 7 3/4"	1' 4 1/2"	3' 4 1/2"	1' 3 1/4"	6' 3/4"
21"	1' 5 1/4"	2' 5 1/4"	1' 4"	3'	1' 3"	4' 10"
20"	1' 4 1/2"	2' 3"	1' 3 3/4"	2' 8 1/4"	1' 2 1/2"	3' 11 1/2"
19"	1' 4"	2' 3/4"	1' 3 1/4"	2' 4 3/4"	1' 2 1/4"	3' 3 1/2"
18"	1' 3 1/2"	1' 10 3/4"	1' 2 3/4"	2' 2"	1' 1 3/4"	2' 9 1/2"
17"	1' 2 3/4"	1' 8 3/4"	1' 2 1/4"	1' 11 1/4"	1' 1 1/4"	2' 4 1/2"
16"	1' 2 1/4"	1' 7"	1' 1 1/2"	1' 8 3/4"	1' 1"	2' 3/4"
15"	1' 1 1/2"	1' 5 1/4"	1' 1"	1' 6 3/4"	1' 1/2"	1' 9 1/2"
14"	1' 3/4"	1' 3 3/4"	1' 1/2"	1' 4 3/4"	1'	1' 6 1/2"

Depth of field tables



MASTER PRIME Distagon 18/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	36' 1" feet		22' 3 3/4" feet		15' 1" feet	
	from	to	from	to	from	to
feet						
INF	37' 2 3/4"	INF	29' 8 1/2"	INF	23' 1"	INF
60'	23' 2 1/2"	INF	20' 1"	INF	16' 10 1/2"	INF
30'	16' 10 1/4"	151' 1 3/4"	15' 2"	INF	13' 3 1/2"	INF
20'	13' 2 3/4"	42' 1 1/2"	12' 2 1/4"	177' 3 1/2"	10' 11 1/2"	INF
15'	10' 10 3/4"	24' 5 3/4"	10' 2 1/4"	43' 4 1/4"	9' 4"	43385' 9 3/4"
12'	9' 3"	17' 3"	8' 9"	24' 8 1/2"	8' 1 1/2"	56' 1/2"
10'	8' 1/2"	13' 3 3/4"	7' 8"	17' 3 1/4"	7' 2 1/4"	28' 1/2"
9'	7' 4 3/4"	11' 6 3/4"	7' 1"	14' 4 3/4"	6' 8"	21' 1/2"
8'	6' 8 3/4"	9' 11 1/4"	6' 5 1/2"	11' 10 3/4"	6' 1 1/2"	16' 1/2"
7'	6' 1/4"	8' 4 3/4"	5' 9 3/4"	9' 9"	5' 6 1/2"	12' 3 1/2"
6'	5' 3 1/2"	6' 11 3/4"	5' 1 1/2"	7' 10 1/4"	4' 11"	9' 4 1/4"
5' 6"	4' 10 3/4"	6' 3 1/2"	4' 9 1/4"	6' 11 3/4"	4' 7"	8' 1 1/2"
5'	4' 6"	5' 7 1/2"	4' 4 3/4"	6' 2"	4' 3"	7' 1/4"
4' 6"	4' 1 1/4"	5'	4' 1/4"	5' 4 3/4"	3' 10 3/4"	6' 1/4"
4' 3"	3' 10 3/4"	4' 8 1/4"	3' 9 3/4"	5' 1/4"	3' 8 1/2"	5' 6 3/4"
4'	3' 8 1/4"	4' 4 1/2"	3' 7 1/2"	4' 8"	3' 6 1/4"	5' 1 1/2"
3' 9"	3' 5 3/4"	4' 3/4"	3' 5"	4' 3 3/4"	3' 4"	4' 8 1/4"
3' 6"	3' 3 1/4"	3' 9 1/4"	3' 2 3/4"	3' 11 3/4"	3' 1 3/4"	4' 3 1/2"
3' 3"	3' 3/4"	3' 5 3/4"	3' 1/4"	3' 7 3/4"	2' 11 1/2"	3' 10 3/4"
3'	2' 10"	3' 2 1/4"	2' 9 3/4"	3' 3 3/4"	2' 9"	3' 6 1/4"
2' 9"	2' 7 1/2"	2' 10 3/4"	2' 7"	3'	2' 6 1/2"	3' 2"
2' 6"	2' 4 3/4"	2' 7 1/2"	2' 4 1/2"	2' 8 1/2"	2' 4"	2' 9 3/4"
2' 3"	2' 2"	2' 4"	2' 1 3/4"	2' 4 3/4"	2' 1 1/2"	2' 6"
2'	1' 11 1/4"	2' 3/4"	1' 11"	2' 1 1/4"	1' 10 3/4"	2' 2"
23"	1' 10 1/4"	1' 11 3/4"	1' 10 1/4"	2' 1/4"	1' 10"	2' 3/4"
22"	1' 9 1/2"	1' 10 3/4"	1' 9 1/4"	1' 11"	1' 9"	1' 11 3/4"
21"	1' 8 1/2"	1' 9 1/2"	1' 8 1/2"	1' 10"	1' 8 1/4"	1' 10 1/2"
20"	1' 7 1/2"	1' 8 1/2"	1' 7 1/2"	1' 8 3/4"	1' 7 1/4"	1' 9 1/4"
19"	1' 6 1/2"	1' 7 1/2"	1' 6 1/2"	1' 7 3/4"	1' 6 1/2"	1' 8"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 1/2"	1' 6 1/2"	1' 5 1/2"	1' 7"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/2"	1' 4 1/2"	1' 5 3/4"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/2"	1' 3 3/4"	1' 4 1/2"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/2"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 18/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	10' 6" feet		7' 10 1/2" feet		5' 10 3/4" feet	
	from	to	from	to	from	to
feet						
INF	16' 10 1/4"	INF	11' 6 1/2"	INF	7' 10 1/2"	INF
60'	13' 3 3/4"	INF	9' 9 3/4"	INF	7' 3/4"	INF
30'	11' 1/4"	INF	8' 6 1/2"	INF	6' 4 3/4"	INF
20'	9' 4 3/4"	INF	7' 6 1/2"	INF	5' 10 1/4"	INF
15'	8' 2 1/4"	INF	6' 9 1/4"	INF	5' 4 3/4"	INF
12'	7' 3"	INF	6' 1 1/2"	INF	5'	INF
10'	6' 6"	165' 1/4"	5' 7 1/4"	INF	4' 7 3/4"	INF
9'	6' 1"	54' 8 1/4"	5' 3 1/2"	INF	4' 5 1/2"	INF
8'	5' 7 3/4"	29' 9 1/2"	4' 11 1/2"	INF	4' 2 3/4"	INF
7'	5' 1 3/4"	18' 9 3/4"	4' 7"	57' 10 3/4"	3' 11 1/2"	INF
6'	4' 7 1/4"	12' 7 1/4"	4' 2"	22' 6 1/2"	3' 7 3/4"	INF
5' 6"	4' 4"	10' 5"	3' 11 1/4"	16' 2 3/4"	3' 5 3/4"	70' 4 1/2"
5'	4' 1/4"	8' 7 1/2"	3' 8 1/4"	12' 2"	3' 3 1/2"	27' 10 3/4"
4' 6"	3' 8 1/2"	7' 1 1/2"	3' 5 1/4"	9' 3 3/4"	3' 1"	16' 3/4"
4' 3"	3' 6 1/2"	6' 5 3/4"	3' 3 1/2"	8' 2 1/4"	2' 11 3/4"	12' 10 1/4"
4'	3' 4 1/2"	5' 10 1/4"	3' 2"	7' 2 1/2"	2' 10 1/2"	10' 6"
3' 9"	3' 2 1/2"	5' 3 1/2"	3'	6' 4"	2' 9"	8' 8 1/2"
3' 6"	3' 1/2"	4' 9 1/4"	2' 10 1/4"	5' 7"	2' 7 1/2"	7' 3 1/4"
3' 3"	2' 10 1/4"	4' 3 1/2"	2' 8 1/2"	4' 10 3/4"	2' 6"	6' 1 1/2"
3'	2' 8"	3' 10"	2' 6 1/2"	4' 3 1/2"	2' 4 1/2"	5' 2"
2' 9"	2' 5 3/4"	3' 4 3/4"	2' 4 1/2"	3' 9"	2' 2 3/4"	4' 4 1/2"
2' 6"	2' 3 1/2"	3'	2' 2 1/4"	3' 3"	2' 3/4"	3' 8 1/4"
2' 3"	2' 1"	2' 7 1/2"	2'	2' 9 1/2"	1' 11"	3' 1 1/4"
2'	1' 10 1/2"	2' 3 1/4"	1' 9 3/4"	2' 4 3/4"	1' 9"	2' 7"
23"	1' 9 3/4"	2' 1 3/4"	1' 9"	2' 3"	1' 8 1/4"	2' 5"
22"	1' 8 3/4"	2' 1/2"	1' 8 1/4"	2' 1 1/2"	1' 7 1/2"	2' 3 1/4"
21"	1' 8"	1' 11 1/4"	1' 7 1/2"	2'	1' 6 3/4"	2' 1 1/2"
20"	1' 7"	1' 9 3/4"	1' 6 3/4"	1' 10 3/4"	1' 6"	2'
19"	1' 6 1/4"	1' 8 1/2"	1' 5 3/4"	1' 9 1/4"	1' 5 1/4"	1' 10 1/4"
18"	1' 5 1/4"	1' 7 1/4"	1' 5"	1' 8"	1' 4 1/2"	1' 8 3/4"
17"	1' 4 1/2"	1' 6"	1' 4 1/4"	1' 6 1/2"	1' 3 3/4"	1' 7 1/4"
16"	1' 3 1/2"	1' 5"	1' 3 1/4"	1' 5 1/4"	1' 3"	1' 5 3/4"
15"	1' 2 1/2"	1' 3 3/4"	1' 2 1/2"	1' 4"	1' 2 1/4"	1' 4 1/2"
14"	1' 1 3/4"	1' 2 1/2"	1' 1 1/2"	1' 2 3/4"	1' 1 1/4"	1' 3 1/4"

Depth of field tables



MASTER PRIME Distagon 18/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	4' 7" feet		3' 3 1/4" feet		2' 6 3/4" feet	
feet	from	to	from	to	from	to
INF	5' 5 3/4"	INF	3' 10 3/4"	INF	2' 10 1/4"	INF
60'	5' 1 1/4"	INF	3' 8 3/4"	INF	2' 9 1/4"	INF
30'	4' 9 1/4"	INF	3' 6 3/4"	INF	2' 8 1/4"	INF
20'	4' 5 3/4"	INF	3' 4 3/4"	INF	2' 7 1/4"	INF
15'	4' 2 1/2"	INF	3' 3"	INF	2' 6 1/4"	INF
12'	3' 11 3/4"	INF	3' 1 1/2"	INF	2' 5 1/2"	INF
10'	3' 9 1/4"	INF	3'	INF	2' 4 3/4"	INF
9'	3' 7 3/4"	INF	2' 11 1/4"	INF	2' 4"	INF
8'	3' 6"	INF	2' 10"	INF	2' 3 1/2"	INF
7'	3' 3 3/4"	INF	2' 8 3/4"	INF	2' 2 3/4"	INF
6'	3' 1 1/4"	INF	2' 7 1/4"	INF	2' 1 3/4"	INF
5' 6"	3'	INF	2' 6 1/4"	INF	2' 1 1/4"	INF
5'	2' 10 1/4"	INF	2' 5 1/4"	INF	2' 1/2"	INF
4' 6"	2' 8 1/2"	INF	2' 4"	INF	1' 11 3/4"	INF
4' 3"	2' 7 3/4"	78' 4 1/2"	2' 3 1/2"	INF	1' 11 1/4"	INF
4'	2' 6 3/4"	31' 10 3/4"	2' 2 3/4"	INF	1' 11"	INF
3' 9"	2' 5 1/2"	19' 1"	2' 2"	INF	1' 10 1/4"	INF
3' 6"	2' 4 1/2"	13' 1"	2' 1"	INF	1' 9 3/4"	INF
3' 3"	2' 3 1/4"	9' 7 1/2"	2' 1/4"	69' 10 3/4"	1' 9 1/4"	INF
3'	2' 2"	7' 4 1/4"	1' 11 1/4"	20' 2 3/4"	1' 8 1/2"	INF
2' 9"	2' 1/2"	5' 9"	1' 10 1/4"	11' 1/4"	1' 7 3/4"	INF
2' 6"	1' 11"	4' 6 3/4"	1' 9"	7' 1 3/4"	1' 7"	66' 11"
2' 3"	1' 9 1/2"	3' 7 3/4"	1' 7 3/4"	5'	1' 6"	12' 1"
2'	1' 7 3/4"	2' 11"	1' 6 1/2"	3' 8"	1' 5"	6' 1/4"
23"	1' 7 1/4"	2' 8 1/2"	1' 6"	3' 3 3/4"	1' 4 1/2"	5' 1/2"
22"	1' 6 1/2"	2' 6 1/4"	1' 5 1/2"	3'	1' 4 1/4"	4' 3 1/2"
21"	1' 6"	2' 4"	1' 5"	2' 8 3/4"	1' 3 3/4"	3' 8 1/4"
20"	1' 5 1/4"	2' 2"	1' 4 1/2"	2' 5 3/4"	1' 3 1/4"	3' 2 1/4"
19"	1' 4 3/4"	2'	1' 3 3/4"	2' 3"	1' 3"	2' 9 1/2"
18"	1' 4"	1' 10"	1' 3 1/4"	2' 1/2"	1' 2 1/2"	2' 5 1/4"
17"	1' 3 1/4"	1' 8 1/4"	1' 2 3/4"	1' 10 1/4"	1' 2"	2' 1 3/4"
16"	1' 2 1/2"	1' 6 3/4"	1' 2"	1' 8 1/4"	1' 1 1/4"	1' 10 3/4"
15"	1' 1 3/4"	1' 5 1/4"	1' 1 1/4"	1' 6 1/4"	1' 3/4"	1' 8 1/4"
14"	1' 1"	1' 3 3/4"	1' 3/4"	1' 4 1/2"	1' 1/4"	1' 5 3/4"

Depth of field tables



MASTER PRIME Distagon 21/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	52' 6" feet		26' 10 3/4" feet		21' feet	
feet	from	to	from	to	from	to
INF	51' 8"	INF	44' 10 3/4"	INF	27' 11 3/4"	INF
60'	28'	INF	25' 11"	INF	19' 3 1/2"	INF
30'	19' 2 1/2"	70' 3"	18' 2 1/2"	INF	14' 8 3/4"	INF
20'	14' 7 1/4"	32' 1/2"	14' 1/2"	74'	11' 10 3/4"	405' 6 3/4"
15'	11' 9 1/2"	20' 9"	11' 5"	32' 5 3/4"	9' 11 3/4"	50' 2"
12'	9' 10 3/4"	15' 4"	9' 7 1/2"	20' 9 3/4"	8' 7 1/4"	26' 9"
10'	8' 6"	12' 2"	8' 3 3/4"	15' 3 3/4"	7' 6 3/4"	18' 2 3/4"
9'	7' 9 1/2"	10' 8 1/2"	7' 7 1/2"	13' 1/4"	6' 11 3/4"	15' 1/2"
8'	7' 1/2"	9' 3 1/2"	6' 11"	10' 11 1/2"	6' 4 3/4"	12' 4 1/4"
7'	6' 3 1/4"	7' 11 1/2"	6' 2"	9' 1 1/4"	5' 9"	10' 1/4"
6'	5' 5 1/2"	6' 8"	5' 4 3/4"	7' 5 1/4"	5' 1"	8' 1/4"
5' 6"	5' 3/4"	6' 1/2"	5'	6' 8"	4' 8 3/4"	7' 1 1/2"
5'	4' 7 1/2"	5' 5 1/4"	4' 7"	5' 11"	4' 4 1/4"	6' 3 1/4"
4' 6"	4' 2 1/2"	4' 10"	4' 2"	5' 2 1/2"	3' 11 3/4"	5' 5 3/4"
4' 3"	4'	4' 6 1/2"	3' 11 1/2"	4' 10 1/2"	3' 9 1/2"	5' 1 1/4"
4'	3' 9 1/4"	4' 3"	3' 9"	4' 6 1/2"	3' 7 1/4"	4' 8 3/4"
3' 9"	3' 6 3/4"	3' 11 3/4"	3' 6 1/4"	4' 2 1/2"	3' 4 3/4"	4' 4 1/2"
3' 6"	3' 4"	3' 8 1/4"	3' 3 3/4"	3' 10 1/2"	3' 2 1/2"	4' 1/4"
3' 3"	3' 1 1/4"	3' 5"	3' 1"	3' 6 3/4"	3'	3' 8 1/4"
3'	2' 10 1/2"	3' 1 1/2"	2' 10 1/2"	3' 3 1/4"	2' 9 1/2"	3' 4 1/4"
2' 9"	2' 7 3/4"	2' 10 1/4"	2' 7 3/4"	2' 11 1/2"	2' 7"	3' 1/4"
2' 6"	2' 5"	2' 7"	2' 5"	2' 8"	2' 4 1/4"	2' 8 3/4"
2' 3"	2' 2 1/4"	2' 3 3/4"	2' 2 1/4"	2' 4 1/2"	2' 1 3/4"	2' 5"
2'	1' 11 1/2"	2' 1/2"	1' 11 1/2"	2' 1"	1' 11"	2' 1 1/2"
23"	1' 10 1/2"	1' 11 1/2"	1' 10 1/2"	2'	1' 10 1/4"	2' 1/4"
22"	1' 9 1/2"	1' 10 1/2"	1' 9 1/2"	1' 10 3/4"	1' 9 1/4"	1' 11 1/4"
21"	1' 8 3/4"	1' 9 1/2"	1' 8 1/2"	1' 9 3/4"	1' 8 1/4"	1' 10"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 3/4"	1' 7 1/2"	1' 8 3/4"
19"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/2"	1' 6 1/2"	1' 7 3/4"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/2"	1' 5 1/2"	1' 6 3/4"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/2"	1' 4 3/4"	1' 5 1/2"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/2"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"
14"	1' 2"	1' 2"	1' 2"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"

Depth of field tables

MASTER PRIME Distagon 21/T1.3 T*XP



circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	15' 5" feet		11' 5 3/4" feet		8' 2 1/2" feet	
	from	to	from	to	from	to
feet						
INF	19'	INF	13' 2"	INF	9' 3"	INF
60'	14' 7 1/4"	INF	10' 11 1/4"	INF	8' 1 1/2"	INF
30'	11' 10 1/2"	INF	9' 4 1/4"	INF	7' 3"	INF
20'	9' 11 3/4"	INF	8' 2"	INF	6' 6 1/2"	INF
15'	8' 7 1/2"	411' 7"	7' 3"	INF	5' 11 1/2"	INF
12'	7' 7"	49' 6 1/4"	6' 6 1/4"	INF	5' 5 1/2"	INF
10'	6' 9 1/4"	26' 4 1/4"	5' 11"	73' 10 3/4"	5' 1/2"	INF
9'	6' 3 3/4"	20' 1"	5' 7"	38' 11 3/4"	4' 9 3/4"	INF
8'	5' 10"	15' 6"	5' 2 1/2"	24' 6 1/4"	4' 6 1/2"	162' 3/4"
7'	5' 3 3/4"	11' 11 3/4"	4' 9 1/2"	16' 7 1/4"	4' 2 3/4"	38' 1/2"
6'	4' 8 3/4"	9' 2 1/4"	4' 4"	11' 7 1/4"	3' 10 1/2"	18' 10"
5' 6"	4' 5 1/4"	8'	4' 1"	9' 9"	3' 8"	14' 3 1/4"
5'	4' 1 1/2"	6' 11 1/4"	3' 9 3/4"	8' 2"	3' 5 1/2"	11' 1/2"
4' 6"	3' 9 1/2"	5' 11 1/2"	3' 6 1/2"	6' 10"	3' 3"	8' 8"
4' 3"	3' 7 1/2"	5' 6"	3' 4 3/4"	6' 2 3/4"	3' 1 1/2"	7' 8 1/4"
4'	3' 5 1/4"	5' 3/4"	3' 2 3/4"	5' 8"	3'	6' 10"
3' 9"	3' 3 1/4"	4' 7 3/4"	3' 1"	5' 1 3/4"	2' 10 1/2"	6' 3/4"
3' 6"	3' 1"	4' 3"	2' 11"	4' 7 3/4"	2' 8 3/4"	5' 4 1/4"
3' 3"	2' 10 3/4"	3' 10 1/2"	2' 9"	4' 2 1/4"	2' 7"	4' 9"
3'	2' 8 1/2"	3' 6"	2' 7"	3' 9"	2' 5 1/4"	4' 2"
2' 9"	2' 6"	3' 1 3/4"	2' 5"	3' 4"	2' 3 1/2"	3' 8"
2' 6"	2' 3 3/4"	2' 9 3/4"	2' 2 3/4"	2' 11 1/2"	2' 1 1/2"	3' 2 1/4"
2' 3"	2' 1 1/4"	2' 5 3/4"	2' 1/2"	2' 7"	1' 11 1/2"	2' 9"
2'	1' 10 3/4"	2' 2"	1' 10"	2' 3"	1' 9 1/4"	2' 4 1/4"
23"	1' 9 3/4"	2' 3/4"	1' 9 1/4"	2' 1 1/2"	1' 8 1/2"	2' 2 3/4"
22"	1' 9"	1' 11 1/2"	1' 8 1/2"	2' 1/4"	1' 7 3/4"	2' 1 1/4"
21"	1' 8"	1' 10 1/2"	1' 7 3/4"	1' 11"	1' 7"	2'
20"	1' 7 1/4"	1' 9 1/4"	1' 6 3/4"	1' 9 3/4"	1' 6 1/4"	1' 10 1/2"
19"	1' 6 1/4"	1' 8"	1' 6"	1' 8 1/2"	1' 5 1/2"	1' 9"
18"	1' 5 1/4"	1' 6 3/4"	1' 5"	1' 7 1/4"	1' 4 3/4"	1' 7 3/4"
17"	1' 4 1/2"	1' 5 3/4"	1' 4 1/4"	1' 6"	1' 4"	1' 6 1/2"
16"	1' 3 1/2"	1' 4 1/2"	1' 3 1/4"	1' 4 3/4"	1' 3"	1' 5 1/4"
15"	1' 2 3/4"	1' 3 1/2"	1' 2 1/2"	1' 3 3/4"	1' 2 1/4"	1' 4"
14"	1' 1 3/4"	1' 2 1/2"	1' 1 1/2"	1' 2 1/2"	1' 1 1/2"	1' 2 3/4"

Depth of field tables



MASTER PRIME Distagon 21/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	6' 2 3/4" feet		4' 7" feet		3' 3 1/4" feet	
	from	to	from	to	from	to
feet						
INF	6' 7"	INF	4' 9 1/4"	INF	3' 6"	INF
60'	6' 1 1/4"	INF	4' 5 3/4"	INF	3' 4 1/4"	INF
30'	5' 6 1/2"	INF	4' 2 3/4"	INF	3' 2 3/4"	INF
20'	5' 1 3/4"	INF	4'	INF	3' 1 1/4"	INF
15'	4' 9 1/2"	INF	3' 9 1/2"	INF	2' 11 3/4"	INF
12'	4' 5 3/4"	INF	3' 7 1/4"	INF	2' 10 1/2"	INF
10'	4' 2 1/2"	INF	3' 5 1/4"	INF	2' 9 1/4"	INF
9'	4' 1/2"	INF	3' 4"	INF	2' 8 1/2"	INF
8'	3' 10 1/4"	INF	3' 2 1/2"	INF	2' 7 3/4"	INF
7'	3' 7 3/4"	INF	3' 3/4"	INF	2' 6 1/2"	INF
6'	3' 4 1/2"	231' 1 1/4"	2' 10 3/4"	INF	2' 5 1/4"	INF
5' 6"	3' 3"	45' 1/2"	2' 9 1/2"	INF	2' 4 1/2"	INF
5'	3' 1"	22' 11 1/4"	2' 8 1/4"	INF	2' 3 1/2"	INF
4' 6"	2' 11"	14' 4"	2' 6 3/4"	897' 9 3/4"	2' 2 1/2"	INF
4' 3"	2' 9 3/4"	11' 9"	2' 5 3/4"	57' 1/2"	2' 2"	INF
4'	2' 8 1/2"	9' 9 1/4"	2' 5"	27' 9 1/2"	2' 1 1/4"	INF
3' 9"	2' 7 1/4"	8' 2 1/2"	2' 4"	17' 7 1/4"	2' 3/4"	INF
3' 6"	2' 6"	6' 11 1/4"	2' 3"	12' 5"	2'	INF
3' 3"	2' 4 3/4"	5' 10 3/4"	2' 2"	9' 3 1/4"	1' 11 1/4"	80' 6"
3'	2' 3 1/4"	5' 1/4"	2' 3/4"	7' 1 3/4"	1' 10 1/4"	21' 1"
2' 9"	2' 1 3/4"	4' 3 1/4"	1' 11 1/2"	5' 7 3/4"	1' 9 1/4"	11' 3 1/2"
2' 6"	2'	3' 7 1/4"	1' 10 1/4"	4' 6"	1' 8 1/4"	7' 3 1/4"
2' 3"	1' 10 1/4"	3' 1/2"	1' 8 3/4"	3' 7 1/2"	1' 7 1/4"	5' 1"
2'	1' 8 1/2"	2' 6 3/4"	1' 7 1/4"	2' 11"	1' 6"	3' 8 1/4"
23"	1' 7 3/4"	2' 4 3/4"	1' 6 3/4"	2' 8 1/2"	1' 5 1/2"	3' 4"
22"	1' 7"	2' 3"	1' 6 1/4"	2' 6"	1' 5"	3' 1/4"
21"	1' 6 1/2"	2' 1 1/4"	1' 5 1/2"	2' 4"	1' 4 1/2"	2' 9"
20"	1' 5 3/4"	1' 11 3/4"	1' 5"	2' 1 3/4"	1' 4"	2' 6"
19"	1' 5"	1' 10 1/4"	1' 4 1/4"	2'	1' 3 1/2"	2' 3 1/4"
18"	1' 4 1/4"	1' 8 3/4"	1' 3 3/4"	1' 10"	1' 3"	2' 3/4"
17"	1' 3 1/2"	1' 7 1/4"	1' 3"	1' 8 1/4"	1' 2 1/4"	1' 10 1/4"
16"	1' 2 3/4"	1' 5 3/4"	1' 2 1/4"	1' 6 3/4"	1' 1 3/4"	1' 8 1/4"
15"	1' 2"	1' 4 1/2"	1' 1 1/2"	1' 5 1/4"	1' 1 1/4"	1' 6 1/4"
14"	1' 1 1/4"	1' 3"	1' 1"	1' 3 3/4"	1' 1/2"	1' 4 1/2"

Depth of field tables



MASTER PRIME Distagon 25/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	72' 2" feet		42' 8" feet		29' 10 1/4" feet	
	from	to	from	to	from	to
feet						
INF	72' 3 3/4"	INF	51' 3/4"	INF	36' 2 1/2"	INF
60'	33' 1/4"	348' 11 1/2"	27' 9 3/4"	INF	22' 9 1/2"	INF
30'	21' 4 3/4"	50' 8"	19' 1 1/4"	98' 10 3/4"	16' 7 1/2"	INF
20'	15' 9 3/4"	27' 3 3/4"	14' 6 1/2"	36' 10 1/4"	13' 1"	58' 3 3/4"
15'	12' 6 1/2"	18' 8 1/2"	11' 9"	22' 7 3/4"	10' 9 1/2"	29' 1 3/4"
12'	10' 4 3/4"	14' 2 1/2"	9' 10 1/4"	16' 4 1/4"	9' 2 1/4"	19' 5"
10'	8' 10 1/2"	11' 5 1/2"	8' 5 3/4"	12' 9 1/2"	7' 11 3/4"	14' 6 3/4"
9'	8' 1"	10' 2"	7' 9 1/4"	11' 2"	7' 4 1/4"	12' 5 3/4"
8'	7' 3 1/2"	8' 10 3/4"	7' 1/4"	9' 7 3/4"	6' 8 1/4"	10' 7 1/4"
7'	6' 5 1/2"	7' 8"	6' 3"	8' 2 1/2"	5' 11 3/4"	8' 10 1/2"
6'	5' 7 1/4"	6' 5 1/2"	5' 5 1/2"	6' 10"	5' 3"	7' 3 1/2"
5' 6"	5' 2"	5' 10 1/2"	5' 1/2"	6' 2 1/4"	4' 10 1/2"	6' 6 1/2"
5'	4' 8 3/4"	5' 3 3/4"	4' 7 1/2"	5' 6 1/2"	4' 5 3/4"	5' 10"
4' 6"	4' 3 1/2"	4' 9"	4' 2 1/2"	4' 11 1/4"	4' 1"	5' 1 3/4"
4' 3"	4' 3/4"	4' 5 1/2"	3' 11 3/4"	4' 7 1/2"	3' 10 1/2"	4' 9 3/4"
4'	3' 10"	4' 2 1/4"	3' 9 1/4"	4' 4"	3' 8 1/4"	4' 5 3/4"
3' 9"	3' 7 1/4"	3' 11"	3' 6 1/2"	4' 1/4"	3' 5 3/4"	4' 2"
3' 6"	3' 4 1/2"	3' 7 3/4"	3' 4"	3' 8 3/4"	3' 3"	3' 10 1/4"
3' 3"	3' 1 3/4"	3' 4 1/2"	3' 1 1/4"	3' 5 1/2"	3' 1/2"	3' 6 1/2"
3'	2' 11"	3' 1 1/4"	2' 10 1/2"	3' 2"	2' 10"	3' 3"
2' 9"	2' 8 1/4"	2' 10"	2' 7 3/4"	2' 10 1/2"	2' 7 1/4"	2' 11 1/4"
2' 6"	2' 5 1/4"	2' 6 3/4"	2' 5"	2' 7 1/4"	2' 4 3/4"	2' 7 3/4"
2' 3"	2' 2 1/2"	2' 3 1/2"	2' 2 1/4"	2' 4"	2' 2"	2' 4 1/2"
2'	1' 11 1/2"	2' 1/2"	1' 11 1/2"	2' 3/4"	1' 11 1/4"	2' 1"
23"	1' 10 3/4"	1' 11 1/2"	1' 10 1/2"	1' 11 3/4"	1' 10 1/4"	2'
22"	1' 9 3/4"	1' 10 1/4"	1' 9 1/2"	1' 10 1/2"	1' 9 1/2"	1' 10 3/4"
21"	1' 8 3/4"	1' 9 1/4"	1' 8 1/2"	1' 9 1/2"	1' 8 1/2"	1' 9 3/4"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/2"	1' 7 1/2"	1' 8 3/4"
19"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/2"	1' 6 1/2"	1' 7 1/2"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/2"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/2"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"
15"	1' 3"	1' 3"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"
14"	1' 2"	1' 2"	1' 2"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"

Depth of field tables



MASTER PRIME Distagon 25/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	21' 7 3/4" feet		15' 9" feet		11' 5 3/4" feet	
feet	from	to	from	to	from	to
INF	25' 2 1/2"	INF	17' 6"	INF	12' 3 3/4"	INF
60'	17' 11 1/4"	INF	13' 8 1/2"	INF	10' 4"	INF
30'	13' 11"	INF	11' 3 1/4"	INF	8' 11"	INF
20'	11' 4 1/2"	261' 6 3/4"	9' 6 3/4"	INF	7' 10"	INF
15'	9' 7 1/4"	47' 2 1/4"	8' 3 1/2"	323' 6 1/4"	6' 11 3/4"	INF
12'	8' 3 3/4"	25' 11 1/4"	7' 4"	48' 2 1/2"	6' 3 1/2"	INF
10'	7' 4"	17' 10 1/2"	6' 6 3/4"	26' 3/4"	5' 8 3/4"	76' 4 3/4"
9'	6' 9 3/4"	14' 9 3/4"	6' 1 3/4"	19' 11 1/4"	5' 5"	39' 9 3/4"
8'	6' 2 3/4"	12' 2 1/2"	5' 8 1/4"	15' 5"	5' 3/4"	24' 11"
7'	5' 7 1/2"	9' 11 1/4"	5' 2 1/4"	11' 11 1/4"	4' 8"	16' 9 3/4"
6'	4' 11 3/4"	7' 11 3/4"	4' 7 3/4"	9' 2 1/4"	4' 2 3/4"	11' 9"
5' 6"	4' 7 3/4"	7' 1"	4' 4 1/4"	8'	3' 11 3/4"	9' 10 1/4"
5'	4' 3 1/2"	6' 3"	4' 1/2"	6' 11 1/4"	3' 8 3/4"	8' 3"
4' 6"	3' 11 1/4"	5' 5 1/2"	3' 8 3/4"	5' 11 3/4"	3' 5 1/2"	6' 10 3/4"
4' 3"	3' 9"	5' 1"	3' 6 3/4"	5' 6 1/4"	3' 4"	6' 3 1/2"
4'	3' 6 3/4"	4' 8 3/4"	3' 4 3/4"	5' 1"	3' 2 1/4"	5' 8 1/2"
3' 9"	3' 4 1/4"	4' 4 1/4"	3' 2 1/2"	4' 8"	3' 1/4"	5' 2 1/4"
3' 6"	3' 2"	4' 1/4"	3' 1/2"	4' 3 1/4"	2' 10 1/2"	4' 8 1/4"
3' 3"	2' 11 1/2"	3' 8 1/4"	2' 10 1/4"	3' 10 1/2"	2' 8 1/2"	4' 2 1/2"
3'	2' 9 1/4"	3' 4 1/4"	2' 8"	3' 6 1/4"	2' 6 1/2"	3' 9 1/4"
2' 9"	2' 6 3/4"	3' 1/2"	2' 5 3/4"	3' 2"	2' 4 1/2"	3' 4 1/2"
2' 6"	2' 4"	2' 8 3/4"	2' 3 1/4"	2' 9 3/4"	2' 2 1/4"	2' 11 3/4"
2' 3"	2' 1 1/2"	2' 5"	2' 1"	2' 6"	2' 1/4"	2' 7 1/4"
2'	1' 11"	2' 1 1/2"	1' 10 1/2"	2' 2"	1' 9 3/4"	2' 3"
23"	1' 10"	2' 1/4"	1' 9 1/2"	2' 1"	1' 9"	2' 1 3/4"
22"	1' 9"	1' 11 1/4"	1' 8 3/4"	1' 11 3/4"	1' 8 1/4"	2' 1/2"
21"	1' 8 1/4"	1' 10"	1' 8"	1' 10 1/2"	1' 7 1/2"	1' 11 1/4"
20"	1' 7 1/4"	1' 9"	1' 7"	1' 9 1/4"	1' 6 3/4"	1' 9 3/4"
19"	1' 6 1/2"	1' 7 3/4"	1' 6 1/4"	1' 8"	1' 5 3/4"	1' 8 1/2"
18"	1' 5 1/2"	1' 6 3/4"	1' 5 1/4"	1' 7"	1' 5"	1' 7 1/4"
17"	1' 4 1/2"	1' 5 1/2"	1' 4 1/4"	1' 5 3/4"	1' 4"	1' 6 1/4"
16"	1' 3 3/4"	1' 4 1/2"	1' 3 1/2"	1' 4 3/4"	1' 3 1/4"	1' 5"
15"	1' 2 3/4"	1' 3 1/2"	1' 2 1/2"	1' 3 1/2"	1' 2 1/2"	1' 3 3/4"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"	1' 1 1/2"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 25/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	8' 2 1/2" feet		5' 10 3/4" feet		4' 3 1/4" feet	
	from	to	from	to	from	to
feet						
INF	8' 8 1/2"	INF	6' 2 3/4"	INF	4' 6 1/4"	INF
60'	7' 8 1/4"	INF	5' 8 3/4"	INF	4' 3"	INF
30'	6' 10 3/4"	INF	5' 3 1/2"	INF	4' 1 1/4"	INF
20'	6' 3"	INF	4' 11"	INF	3' 9 3/4"	INF
15'	5' 8 1/2"	INF	4' 7"	INF	3' 7 1/2"	INF
12'	5' 3 1/4"	INF	4' 3 1/2"	INF	3' 5 1/2"	INF
10'	4' 10 1/2"	INF	4' 1 1/2"	INF	3' 3 1/2"	INF
9'	4' 7 3/4"	INF	3' 10 3/4"	INF	3' 2 1/2"	INF
8'	4' 4 3/4"	211' 8 1/2"	3' 8 3/4"	INF	3' 1"	INF
7'	4' 1 1/4"	40' 6 3/4"	3' 6 1/4"	INF	2' 11 1/2"	INF
6'	3' 9 1/4"	19' 6 1/2"	3' 3 1/4"	1014' 8 1/2"	2' 9 1/2"	INF
5' 6"	3' 7"	14' 8 1/4"	3' 1 3/4"	53' 8"	2' 8 1/2"	INF
5'	3' 4 1/2"	11' 4"	3'	25' 1 3/4"	2' 7"	INF
4' 6"	3' 2"	8' 10 1/4"	2' 10"	15' 3"	2' 5 3/4"	INF
4' 3"	3' 1 1/2"	7' 10"	2' 9"	12' 4 1/2"	2' 5"	89' 11 1/2"
4'	2' 11 1/4"	6' 11 1/2"	2' 7 3/4"	10' 2 3/4"	2' 4"	34' 2"
3' 9"	2' 9 3/4"	6' 2"	2' 6 1/2"	8' 6 1/2"	2' 3 1/4"	20' 1"
3' 6"	2' 8"	5' 5 1/2"	2' 5 1/4"	7' 2 1/4"	2' 2 1/4"	13' 8"
3' 3"	2' 6 1/2"	4' 9 3/4"	2' 4"	6' 1"	2' 1 1/4"	9' 11 3/4"
3'	2' 4 3/4"	4' 2 3/4"	2' 2 1/2"	5' 1 3/4"	2' 1 1/4"	7' 7 1/4"
2' 9"	2' 3"	3' 8 1/2"	2' 1"	4' 4 1/2"	1' 11"	5' 11 1/4"
2' 6"	2' 1"	3' 2 3/4"	1' 11 1/2"	3' 8 1/4"	1' 9 3/4"	4' 8 1/2"
2' 3"	1' 11"	2' 9 1/2"	1' 9 3/4"	3' 1 1/4"	1' 8 1/4"	3' 9"
2'	1' 9"	2' 4 1/2"	1' 8"	2' 7 1/4"	1' 6 3/4"	3'
23"	1' 8 1/4"	2' 3"	1' 7 1/2"	2' 5 1/4"	1' 6 1/4"	2' 9 1/2"
22"	1' 7 1/2"	2' 1 1/2"	1' 6 3/4"	2' 3 1/2"	1' 5 3/4"	2' 7"
21"	1' 6 3/4"	2' 1 1/4"	1' 6"	2' 1 3/4"	1' 5 1/4"	2' 4 3/4"
20"	1' 6"	1' 10 3/4"	1' 5 1/2"	2'	1' 4 1/2"	2' 2 1/2"
19"	1' 5 1/4"	1' 9 1/4"	1' 4 3/4"	1' 10 1/2"	1' 4"	2' 1 1/2"
18"	1' 4 1/2"	1' 8"	1' 4"	1' 9"	1' 3 1/2"	1' 10 1/2"
17"	1' 3 3/4"	1' 6 3/4"	1' 3 1/4"	1' 7 1/2"	1' 2 3/4"	1' 8 3/4"
16"	1' 3"	1' 5 1/4"	1' 2 1/2"	1' 6"	1' 2"	1' 7"
15"	1' 2 1/4"	1' 4"	1' 1 3/4"	1' 4 3/4"	1' 1 1/2"	1' 5 1/2"
14"	1' 1 1/4"	1' 3"	1' 1"	1' 3 1/4"	1' 3/4"	1' 4"

Depth of field tables



MASTER PRIME Distagon 27/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	88' 7" feet		45' 11" feet		feet	
	from	to	from	to	from	to
feet						
INF	87' 10 1/4"	INF	77' 1 3/4"	INF	55' 3 1/4"	INF
60'	35' 10 1/2"	187' 7 1/2"	33' 11 1/2"	INF	29'	INF
30'	22' 6 1/4"	45' 1 1/2"	21' 9 1/4"	83' 6 1/2"	19' 7 3/4"	352' 7 1/4"
20'	16' 5"	25' 7 3/4"	16' 1/4"	34' 6 1/2"	14' 10 1/4"	50' 1 1/4"
15'	12' 11"	17' 11"	12' 8 1/4"	21' 9 1/4"	11' 11 1/4"	26' 11 3/4"
12'	10' 7 3/4"	13' 9 1/4"	10' 5 3/4"	15' 10 3/4"	9' 11 3/4"	18' 5 1/2"
10'	9' 3/4"	11' 2"	8' 11 1/4"	12' 6 1/4"	8' 7"	14' 1/4"
9'	8' 2 3/4"	9' 11 1/4"	8' 1 3/4"	10' 11 1/2"	7' 10 1/4"	12' 1"
8'	7' 4 3/4"	8' 8 1/2"	7' 3 3/4"	9' 6"	7' 1"	10' 3 3/4"
7'	6' 6 1/2"	7' 6 1/2"	6' 5 3/4"	8' 1 1/4"	6' 3 1/2"	8' 8"
6'	5' 8"	6' 4 1/2"	5' 7 1/2"	6' 9 1/4"	5' 5 3/4"	7' 2"
5' 6"	5' 2 3/4"	5' 9 3/4"	5' 2 1/4"	6' 1 1/2"	5' 3/4"	6' 5 1/4"
5'	4' 9 1/4"	5' 3"	4' 9"	5' 6"	4' 7 3/4"	5' 9"
4' 6"	4' 3 3/4"	4' 8 1/4"	4' 3 1/2"	4' 10 3/4"	4' 2 3/4"	5' 1"
4' 3"	4' 1"	4' 5"	4' 3/4"	4' 7 1/4"	4'	4' 9"
4'	3' 10 1/4"	4' 1 3/4"	3' 10"	4' 3 1/2"	3' 9 1/2"	4' 5 1/4"
3' 9"	3' 7 1/2"	3' 10 1/2"	3' 7 1/4"	4'	3' 6 3/4"	4' 1 1/2"
3' 6"	3' 4 3/4"	3' 7 1/4"	3' 4 1/2"	3' 8 1/2"	3' 4"	3' 9 3/4"
3' 3"	3' 2"	3' 4 1/4"	3' 1 3/4"	3' 5 1/4"	3' 1 1/4"	3' 6 1/4"
3'	2' 11"	3' 1"	2' 11"	3' 1 3/4"	2' 10 3/4"	3' 2 3/4"
2' 9"	2' 8 1/4"	2' 9 3/4"	2' 8 1/4"	2' 10 1/2"	2' 8"	2' 11 1/4"
2' 6"	2' 5 1/2"	2' 6 1/2"	2' 5 1/4"	2' 7 1/4"	2' 5"	2' 7 3/4"
2' 3"	2' 2 1/2"	2' 3 1/2"	2' 2 1/2"	2' 4"	2' 2 1/4"	2' 4 1/4"
2'	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 3/4"	1' 11 1/2"	2' 1"
23"	1' 10 3/4"	1' 11 1/4"	1' 10 3/4"	1' 11 1/2"	1' 10 1/2"	1' 11 3/4"
22"	1' 9 3/4"	1' 10 1/4"	1' 9 3/4"	1' 10 1/2"	1' 9 1/2"	1' 10 3/4"
21"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/2"	1' 8 3/4"	1' 9 3/4"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/2"	1' 7 3/4"	1' 8 1/2"
19"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/2"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/2"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"
16"	1' 4"	1' 4"	1' 4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"
15"	1' 3"	1' 3"	1' 3"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"
14"	1' 2"	1' 2"	1' 2"	1' 2 1/4"	1' 2"	1' 2 1/4"

Depth of field tables



MASTER PRIME Distagon 27/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	23' 11" feet		17' 8 1/2" feet		13' 1 1/2" feet	
	from	to	from	to	from	to
feet						
INF	37' 8 3/4"	INF	24' 11 1/4"	INF	16' 11"	INF
60'	23' 4 1/2"	INF	17' 9 3/4"	INF	13' 4"	INF
30'	16' 11 1/4"	INF	13' 10"	INF	11' 1 1/4"	INF
20'	13' 3 1/4"	120' 6"	11' 3 3/4"	INF	9' 4 1/2"	INF
15'	10' 11"	39' 3/4"	9' 7"	91' 1 3/4"	8' 2"	INF
12'	9' 3 1/4"	23' 3 3/4"	8' 3 1/2"	35' 1 1/4"	7' 2 3/4"	125' 10 1/4"
10'	8' 1 1/2"	16' 7 1/2"	7' 3 3/4"	21' 8 3/4"	6' 5 3/4"	38' 9 1/2"
9'	7' 4 3/4"	13' 11 1/4"	6' 9 1/2"	17' 4"	6' 3/4"	26' 6 1/2"
8'	6' 8 3/4"	11' 7 1/4"	6' 2 1/2"	13' 10"	5' 7 1/2"	19' 1/2"
7'	6' 1/4"	9' 6 3/4"	5' 7 1/2"	10' 11 3/4"	5' 1 1/2"	13' 11 1/2"
6'	5' 3 1/4"	7' 8 3/4"	4' 11 3/4"	8' 7 1/2"	4' 7 1/4"	10' 3 3/4"
5' 6"	4' 10 3/4"	6' 10 3/4"	4' 7 1/2"	7' 7"	4' 3 3/4"	8' 10"
5'	4' 6"	6' 1 1/4"	4' 3 1/2"	6' 7 1/2"	4' 1/4"	7' 6 1/2"
4' 6"	4' 1 1/4"	5' 4 1/4"	3' 11"	5' 9"	3' 8 1/4"	6' 4 3/4"
4' 3"	3' 10 3/4"	5'	3' 8 3/4"	5' 3 3/4"	3' 6 1/2"	5' 10 1/2"
4'	3' 8 1/4"	4' 7 3/4"	3' 6 1/2"	4' 11"	3' 4 1/2"	5' 4 1/2"
3' 9"	3' 5 3/4"	4' 3 1/2"	3' 4 1/4"	4' 6 1/4"	3' 2 1/4"	4' 11"
3' 6"	3' 3 1/4"	3' 11 1/2"	3' 2"	4' 1 3/4"	3' 1/4"	4' 5 1/2"
3' 3"	3' 3/4"	3' 7 1/2"	2' 11 1/2"	3' 9 1/2"	2' 10"	4' 1/2"
3'	2' 10"	3' 3 3/4"	2' 9"	3' 5 1/4"	2' 7 3/4"	3' 7 3/4"
2' 9"	2' 7 1/2"	3'	2' 6 1/2"	3' 1 1/4"	2' 5 1/2"	3' 3 1/4"
2' 6"	2' 4 3/4"	2' 8 1/2"	2' 4"	2' 9 1/4"	2' 3 1/4"	2' 10 3/4"
2' 3"	2' 2"	2' 4 3/4"	2' 1 1/2"	2' 5 1/2"	2' 3/4"	2' 6 1/2"
2'	1' 11 1/4"	2' 1 1/4"	1' 11"	2' 1 3/4"	1' 10 1/2"	2' 2 1/2"
23"	1' 10 1/4"	2' 1/4"	1' 10"	2' 3/4"	1' 9 1/2"	2' 1 1/4"
22"	1' 9 1/2"	1' 11"	1' 9"	1' 11 1/2"	1' 8 3/4"	2'
21"	1' 8 1/2"	1' 10"	1' 8 1/4"	1' 10 1/4"	1' 7 3/4"	1' 10 3/4"
20"	1' 7 1/2"	1' 8 3/4"	1' 7 1/4"	1' 9"	1' 7"	1' 9 1/2"
19"	1' 6 1/2"	1' 7 3/4"	1' 6 1/2"	1' 8"	1' 6"	1' 8 1/4"
18"	1' 5 3/4"	1' 6 1/2"	1' 5 1/2"	1' 6 3/4"	1' 5 1/4"	1' 7 1/4"
17"	1' 4 3/4"	1' 5 1/2"	1' 4 1/2"	1' 5 3/4"	1' 4 1/4"	1' 6"
16"	1' 3 3/4"	1' 4 1/2"	1' 3 1/2"	1' 4 1/2"	1' 3 1/2"	1' 4 3/4"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/2"	1' 2 1/2"	1' 3 3/4"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"	1' 1 3/4"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 27/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	9' 10" feet		7' 2 1/2" feet		5' 3" feet	
feet	from	to	from	to	from	to
INF	11' 7"	INF	8' 1 1/4"	INF	5' 8 3/4"	INF
60'	9' 9 3/4"	INF	7' 2 3/4"	INF	5' 3 3/4"	INF
30'	8' 6 1/4"	INF	6' 6 1/4"	INF	4' 11 1/4"	INF
20'	7' 6 1/2"	INF	5' 11 1/4"	INF	4' 7 1/4"	INF
15'	6' 9"	INF	5' 5 1/2"	INF	4' 4"	INF
12'	6' 1 1/4"	INF	5' 1/2"	INF	4' 3/4"	INF
10'	5' 7"	INF	4' 8 1/4"	INF	3' 10 1/4"	INF
9'	5' 3 1/4"	103' 8"	4' 5 3/4"	INF	3' 8 1/2"	INF
8'	4' 11 1/4"	40' 2 1/2"	4' 3"	INF	3' 6 3/4"	INF
7'	4' 6 3/4"	22' 6"	3' 11 3/4"	218' 3"	3' 4 1/2"	INF
6'	4' 1 3/4"	14' 2 1/4"	3' 8"	31' 8"	3' 1 3/4"	INF
5' 6"	3' 11"	11' 5 3/4"	3' 5 3/4"	20' 6 1/4"	3' 1/4"	INF
5'	3' 8"	9' 4 1/4"	3' 3 1/2"	14' 5 1/4"	2' 10 3/4"	70' 2 1/2"
4' 6"	3' 5"	7' 7 1/2"	3' 1"	10' 7"	2' 8 3/4"	24' 7 1/2"
4' 3"	3' 3 1/4"	6' 10 1/2"	2' 11 3/4"	9' 2"	2' 8"	17' 10"
4'	3' 1 3/4"	6' 2 1/4"	2' 10 1/2"	7' 11 1/2"	2' 6 3/4"	13' 7 1/4"
3' 9"	3'	5' 6 3/4"	2' 9"	6' 11"	2' 5 3/4"	10' 8 3/4"
3' 6"	2' 10"	5'	2' 7 1/2"	6' 1/4"	2' 4 1/2"	8' 7 3/4"
3' 3"	2' 8 1/4"	4' 5 1/2"	2' 6"	5' 3"	2' 3 1/4"	7' 3/4"
3'	2' 6 1/4"	3' 11 1/2"	2' 4 1/4"	4' 6 3/4"	2' 2"	5' 10"
2' 9"	2' 4 1/4"	3' 6"	2' 2 1/2"	3' 11 1/4"	2' 1/2"	4' 10"
2' 6"	2' 2 1/4"	3' 1"	2' 3/4"	3' 4 3/4"	1' 11"	4'
2' 3"	2'	2' 8 1/4"	1' 10 3/4"	2' 11"	1' 9 1/2"	3' 3 3/4"
2'	1' 9 3/4"	2' 3 3/4"	1' 8 3/4"	2' 5 1/2"	1' 7 3/4"	2' 8 3/4"
23"	1' 9"	2' 2 1/4"	1' 8 1/4"	2' 4"	1' 7 1/4"	2' 6 3/4"
22"	1' 8 1/4"	2' 1"	1' 7 1/2"	2' 2 1/4"	1' 6 1/2"	2' 4 3/4"
21"	1' 7 1/4"	1' 11 1/2"	1' 6 3/4"	2' 3/4"	1' 6"	2' 2 3/4"
20"	1' 6 1/2"	1' 10 1/4"	1' 6"	1' 11 1/4"	1' 5 1/4"	2' 1"
19"	1' 5 3/4"	1' 9"	1' 5 1/4"	1' 9 3/4"	1' 4 1/2"	1' 11 1/4"
18"	1' 5"	1' 7 3/4"	1' 4 1/2"	1' 8 1/4"	1' 4"	1' 9 1/2"
17"	1' 4"	1' 6 1/4"	1' 3 3/4"	1' 7"	1' 3 1/4"	1' 8"
16"	1' 3 1/4"	1' 5 1/4"	1' 3"	1' 5 3/4"	1' 2 1/2"	1' 6 1/2"
15"	1' 2 1/4"	1' 4"	1' 2"	1' 4 1/4"	1' 1 3/4"	1' 5"
14"	1' 1 1/2"	1' 2 3/4"	1' 1 1/4"	1' 3"	1' 1"	1' 3 1/2"

Depth of field tables



MASTER PRIME Distagon 32/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	111' 7" feet		59' 1" feet		42' 8" feet	
	from	to	from	to	from	to
feet						
INF	112' 4"	INF	100' 10 1/4"	INF	66' 10 3/4"	INF
60'	39' 3 1/2"	127' 11 1/4"	37' 9 3/4"	INF	31' 10"	INF
30'	23' 9 3/4"	40' 7 3/4"	23' 3 1/4"	61' 6 1/4"	20' 10 3/4"	100' 2 1/2"
20'	17' 1"	24' 1 3/4"	16' 9 3/4"	30' 1 3/4"	15' 6 1/2"	37' 3/4"
15'	13' 3 3/4"	17' 2 1/4"	13' 1 3/4"	19' 11 3/4"	12' 4 1/2"	22' 9"
12'	10' 11"	13' 4"	10' 9 3/4"	14' 11 1/4"	10' 3 1/2"	16' 4 3/4"
10'	9' 3"	10' 10 3/4"	9' 2"	11' 11"	8' 9 1/2"	12' 10"
9'	8' 4 3/4"	9' 8 1/2"	8' 4"	10' 6"	8' 1/4"	11' 2 1/2"
8'	7' 6 1/4"	8' 6 1/2"	7' 5 1/2"	9' 1 3/4"	7' 2 3/4"	9' 8"
7'	6' 7 1/2"	7' 5"	6' 7 1/4"	7' 10 1/4"	6' 5"	8' 2 3/4"
6'	5' 8 3/4"	6' 3 1/2"	5' 8 1/2"	6' 7 1/4"	5' 6 3/4"	6' 10 1/4"
5' 6"	5' 3 1/4"	5' 9"	5' 3"	6'	5' 1 3/4"	6' 2 1/2"
5'	4' 9 3/4"	5' 2 1/4"	4' 9 1/2"	5' 4 3/4"	4' 8 1/2"	5' 6 3/4"
4' 6"	4' 4 1/4"	4' 7 3/4"	4' 4"	4' 9 3/4"	4' 3 1/4"	4' 11 1/4"
4' 3"	4' 1 1/2"	4' 4 3/4"	4' 1 1/4"	4' 6 1/4"	4' 1/2"	4' 7 1/2"
4'	3' 10 3/4"	4' 1 1/2"	3' 10 1/2"	4' 2 3/4"	3' 9 3/4"	4' 4"
3' 9"	3' 7 3/4"	3' 10 1/4"	3' 7 3/4"	3' 11 1/2"	3' 7"	4' 1/2"
3' 6"	3' 5"	3' 7"	3' 5"	3' 8"	3' 4 1/4"	3' 9"
3' 3"	3' 2 1/4"	3' 4"	3' 2"	3' 4 3/4"	3' 1 1/2"	3' 5 1/2"
3'	2' 11 1/4"	3' 3/4"	2' 11 1/4"	3' 1 1/2"	2' 10 3/4"	3' 2"
2' 9"	2' 8 1/2"	2' 9 1/2"	2' 8 1/4"	2' 10 1/4"	2' 8"	2' 10 3/4"
2' 6"	2' 5 1/2"	2' 6 1/2"	2' 5 1/2"	2' 7"	2' 5 1/4"	2' 7 1/4"
2' 3"	2' 2 3/4"	2' 3 1/2"	2' 2 1/2"	2' 3 3/4"	2' 2 1/2"	2' 4"
2'	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 1/2"	1' 11 1/2"	2' 3/4"
23"	1' 10 3/4"	1' 11 1/4"	1' 10 3/4"	1' 11 1/2"	1' 10 1/2"	1' 11 3/4"
22"	1' 9 3/4"	1' 10 1/4"	1' 9 3/4"	1' 10 1/2"	1' 9 3/4"	1' 10 1/2"
21"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/2"	1' 8 3/4"	1' 9 1/2"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/2"
19"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/2"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"
17"	1' 5"	1' 5"	1' 5"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"
16"	1' 4"	1' 4"	1' 4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"
15"	1' 3"	1' 3"	1' 3"	1' 3 1/4"	1' 3"	1' 3 1/4"
14"	1' 2"	1' 2"	1' 2"	1' 2"	1' 2"	1' 2 1/4"

Depth of field tables



MASTER PRIME Distagon 32/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	31' 6" feet		23' 3 1/2" feet		17' 3/4" feet	
	from	to	from	to	from	to
feet						
INF	44' 3 1/4"	INF	29' 8"	INF	20' 2 1/4"	INF
60'	25' 8 1/4"	INF	20' 1/2"	INF	15' 3 1/4"	INF
30'	18' 1"	619' 1 3/4"	15' 1 1/2"	INF	12' 3 1/4"	INF
20'	13' 11 1/2"	53' 4 1/2"	12' 1 3/4"	134' 10 3/4"	10' 3"	INF
15'	11' 4 1/4"	27' 10 3/4"	10' 1 3/4"	40' 6"	8' 9 3/4"	110' 8 1/2"
12'	9' 7"	18' 10 1/2"	8' 8 1/2"	23' 10"	7' 8 3/4"	37' 8 1/4"
10'	8' 3 1/2"	14' 3 1/4"	7' 7 3/4"	16' 10 1/2"	6' 10 1/2"	22' 8 1/2"
9'	7' 7 1/4"	12' 3 1/4"	7' 3/4"	14' 1 1/2"	6' 4 3/4"	17' 11 1/2"
8'	6' 10 1/2"	10' 5 1/4"	6' 5 1/4"	11' 9"	5' 10 3/4"	14' 2 3/4"
7'	6' 1 3/4"	8' 9 1/4"	5' 9 1/2"	9' 7 3/4"	5' 4 1/4"	11' 2 3/4"
6'	5' 4 1/2"	7' 2 3/4"	5' 1 1/4"	7' 9 1/2"	4' 9 1/4"	8' 9 1/4"
5' 6"	4' 11 3/4"	6' 6"	4' 9"	6' 11 1/4"	4' 5 1/2"	7' 8 1/2"
5'	4' 6 3/4"	5' 9 1/2"	4' 4 1/2"	6' 1 3/4"	4' 1 3/4"	6' 8 1/2"
4' 6"	4' 1 3/4"	5' 1 1/2"	4'	5' 4 1/2"	3' 9 1/2"	5' 9 3/4"
4' 3"	3' 11 1/4"	4' 9 1/2"	3' 9 3/4"	5' 1/4"	3' 7 1/2"	5' 4 1/2"
4'	3' 8 3/4"	4' 5 1/2"	3' 7 1/4"	4' 8"	3' 5 1/2"	4' 11 3/4"
3' 9"	3' 6 1/4"	4' 1 3/4"	3' 5"	4' 3 3/4"	3' 3 1/4"	4' 7"
3' 6"	3' 3 1/2"	3' 10"	3' 2 1/2"	3' 11 3/4"	3' 1"	4' 2 1/4"
3' 3"	3' 1"	3' 6 1/2"	3'	3' 7 3/4"	2' 10 3/4"	3' 10"
3'	2' 10 1/4"	3' 2 3/4"	2' 9 1/2"	3' 4"	2' 8 1/2"	3' 5 1/2"
2' 9"	2' 7 1/2"	2' 11 1/4"	2' 7"	3' 1/4"	2' 6"	3' 1 1/2"
2' 6"	2' 4 3/4"	2' 7 3/4"	2' 4 1/4"	2' 8 1/2"	2' 3 1/2"	2' 9 1/2"
2' 3"	2' 2"	2' 4 1/2"	2' 1 3/4"	2' 5"	2' 1 1/4"	2' 5 3/4"
2'	1' 11 1/4"	2' 1"	1' 11"	2' 1 1/2"	1' 10 1/2"	2' 2"
23"	1' 10 1/2"	2'	1' 10"	2' 1/4"	1' 9 3/4"	2' 3/4"
22"	1' 9 1/2"	1' 10 3/4"	1' 9 1/4"	1' 11"	1' 8 3/4"	1' 11 1/2"
21"	1' 8 1/2"	1' 9 3/4"	1' 8 1/4"	1' 10"	1' 8"	1' 10 1/4"
20"	1' 7 1/2"	1' 8 3/4"	1' 7 1/2"	1' 8 3/4"	1' 7"	1' 9 1/4"
19"	1' 6 3/4"	1' 7 1/2"	1' 6 1/2"	1' 7 3/4"	1' 6 1/4"	1' 8"
18"	1' 5 3/4"	1' 6 1/2"	1' 5 1/2"	1' 6 3/4"	1' 5 1/4"	1' 7"
17"	1' 4 3/4"	1' 5 1/2"	1' 4 1/2"	1' 5 1/2"	1' 4 1/2"	1' 5 3/4"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/2"	1' 3 1/2"	1' 4 3/4"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/2"	1' 2 1/2"	1' 3 1/2"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/2"

Depth of field tables



MASTER PRIME Distagon 32/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	12' 5 1/2" feet		9' 2 1/4" feet		6' 6 3/4" feet	
	from	to	from	to	from	to
feet						
INF	14' 3/4"	INF	9' 10 3/4"	INF	7' 1/2"	INF
60'	11' 6 1/4"	INF	8' 7"	INF	6' 4 1/2"	INF
30'	9' 9"	INF	7' 7"	INF	5' 10"	INF
20'	8' 5 1/2"	INF	6' 9 1/2"	INF	5' 4 1/2"	INF
15'	7' 5 1/2"	INF	6' 2"	INF	4' 11 3/4"	INF
12'	6' 8 1/4"	256' 5 3/4"	5' 7 1/2"	INF	4' 7 1/2"	INF
10'	6' 1/2"	46' 1/4"	5' 2 1/4"	INF	4' 4"	INF
9'	5' 8 1/4"	29' 9"	4' 11"	521' 3 1/4"	4' 1 3/4"	INF
8'	5' 3 1/2"	20' 7 1/2"	4' 7 1/2"	58' 3"	3' 11 1/2"	INF
7'	4' 10 1/4"	14' 9 3/4"	4' 3 1/2"	27' 2 1/2"	3' 8 3/4"	INF
6'	4' 4 1/2"	10' 9"	3' 11 1/4"	15' 10 3/4"	3' 5 1/4"	53' 7"
5' 6"	4' 1 1/2"	9' 2"	3' 8 3/4"	12' 7"	3' 3 1/2"	27' 10 1/4"
5'	3' 10 1/4"	7' 9 1/4"	3' 6"	10' 3/4"	3' 1 1/2"	17' 8 1/4"
4' 6"	3' 6 3/4"	6' 6 3/4"	3' 3 1/4"	8' 1"	2' 11 1/4"	12' 2 3/4"
4' 3"	3' 5"	6' 1/4"	3' 1 3/4"	7' 3"	2' 10 1/4"	10' 4 1/4"
4'	3' 3"	5' 6"	3' 1/4"	6' 6"	2' 9"	8' 10"
3' 9"	3' 1 1/4"	5' 1/4"	2' 10 1/2"	5' 9 3/4"	2' 7 1/2"	7' 6 3/4"
3' 6"	2' 11 1/4"	4' 6 1/2"	2' 9"	5' 2 1/4"	2' 6 1/4"	6' 6"
3' 3"	2' 9 1/4"	4' 1 1/4"	2' 7 1/4"	4' 7 1/4"	2' 4 3/4"	5' 7 1/4"
3'	2' 7"	3' 8 1/4"	2' 5 1/4"	4' 1"	2' 3 1/4"	4' 9 3/4"
2' 9"	2' 5"	3' 3 3/4"	2' 3 1/2"	3' 7 1/4"	2' 1 3/4"	4' 1 3/4"
2' 6"	2' 2 3/4"	2' 11 1/4"	2' 1 1/2"	3' 1 3/4"	2'	3' 6 1/2"
2' 3"	2' 1/2"	2' 7"	1' 11 1/2"	2' 8 3/4"	1' 10 1/4"	3' 1/4"
2'	1' 10"	2' 2 3/4"	1' 9 1/4"	2' 4 1/4"	1' 8 1/4"	2' 6 1/2"
23"	1' 9 1/4"	2' 1 1/2"	1' 8 1/2"	2' 2 3/4"	1' 7 3/4"	2' 4 3/4"
22"	1' 8 1/2"	2' 1/4"	1' 7 3/4"	2' 1 1/4"	1' 7"	2' 3"
21"	1' 7 1/2"	1' 11"	1' 7"	1' 11 3/4"	1' 6 1/4"	2' 1 1/4"
20"	1' 6 3/4"	1' 9 3/4"	1' 6 1/4"	1' 10 1/2"	1' 5 3/4"	1' 11 3/4"
19"	1' 6"	1' 8 1/2"	1' 5 1/2"	1' 9 1/4"	1' 5"	1' 10 1/4"
18"	1' 5"	1' 7 1/4"	1' 4 3/4"	1' 7 3/4"	1' 4 1/4"	1' 8 3/4"
17"	1' 4 1/4"	1' 6"	1' 3 3/4"	1' 6 1/2"	1' 3 1/2"	1' 7 1/4"
16"	1' 3 1/4"	1' 5"	1' 3"	1' 5 1/4"	1' 2 3/4"	1' 6"
15"	1' 2 1/2"	1' 3 3/4"	1' 2 1/4"	1' 4"	1' 2"	1' 4 1/2"
14"	1' 1 1/2"	1' 2 1/2"	1' 1 1/4"	1' 2 3/4"	1' 1"	1' 3 1/4"

Depth of field tables



MASTER PRIME Distagon 35/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	141' 1" feet		91' 10" feet		72' 2" feet	
	from	to	from	to	from	to
feet						
INF	142' 1 1/2"	INF	89' 4 3/4"	INF	58' 10 1/4"	INF
60'	42' 4 1/4"	103' 3 1/4"	36' 1 1/4"	166' 3"	29' 11"	380' 7 3/4"
30'	24' 10 3/4"	37' 9 3/4"	22' 7 1/2"	43' 9 1/2"	20' 3/4"	51' 3 3/4"
20'	17' 7 1/2"	23' 1 3/4"	16' 5 1/2"	25' 2 3/4"	15' 1"	27' 6"
15'	13' 7 3/4"	16' 8"	12' 11 1/4"	17' 8 1/2"	12' 1"	18' 9 1/2"
12'	11' 1 1/2"	13' 1/2"	10' 8"	13' 7 3/4"	10' 1"	14' 3 1/4"
10'	9' 4 3/4"	10' 8 1/4"	9' 3/4"	11' 1 1/4"	8' 7 3/4"	11' 6"
9'	8' 6"	9' 6 3/4"	8' 3"	9' 10 1/2"	7' 10 3/4"	10' 2 1/4"
8'	7' 7 1/2"	8' 5 1/4"	7' 4 3/4"	8' 8"	7' 1 1/2"	8' 11"
7'	6' 8 1/2"	7' 3 3/4"	6' 6 1/2"	7' 6"	6' 4"	7' 8"
6'	5' 9 1/2"	6' 2 3/4"	5' 8"	6' 4 1/4"	5' 6 1/4"	6' 5 3/4"
5' 6"	5' 4"	5' 8 1/4"	5' 2 3/4"	5' 9 1/2"	5' 1"	5' 10 3/4"
5'	4' 10 1/4"	5' 1 3/4"	4' 9 1/4"	5' 2 3/4"	4' 8"	5' 3 3/4"
4' 6"	4' 4 3/4"	4' 7 1/2"	4' 3 3/4"	4' 8 1/4"	4' 2 3/4"	4' 9"
4' 3"	4' 1 3/4"	4' 4 1/4"	4' 1"	4' 5"	4' 1/4"	4' 5 3/4"
4'	3' 11"	4' 1"	3' 10 1/4"	4' 1 3/4"	3' 9 1/2"	4' 2 1/4"
3' 9"	3' 8"	3' 10"	3' 7 1/2"	3' 10 1/2"	3' 6 3/4"	3' 11"
3' 6"	3' 5 1/4"	3' 6 3/4"	3' 4 3/4"	3' 7 1/4"	3' 4 1/4"	3' 7 3/4"
3' 3"	3' 2 1/4"	3' 3 3/4"	3' 2"	3' 4"	3' 1 1/2"	3' 4 1/2"
3'	2' 11 1/2"	3' 1/2"	2' 11 1/4"	3' 1"	2' 10 3/4"	3' 1 1/4"
2' 9"	2' 8 1/2"	2' 9 1/2"	2' 8 1/4"	2' 9 3/4"	2' 8"	2' 10"
2' 6"	2' 5 3/4"	2' 6 1/4"	2' 5 1/2"	2' 6 1/2"	2' 5 1/4"	2' 6 3/4"
2' 3"	2' 2 3/4"	2' 3 1/4"	2' 2 1/2"	2' 3 1/2"	2' 2 1/4"	2' 3 1/2"
2'	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 1/4"	1' 11 1/2"	2' 1/2"
23"	1' 10 3/4"	1' 11 1/4"	1' 10 3/4"	1' 11 1/4"	1' 10 1/2"	1' 11 1/2"
22"	1' 9 3/4"	1' 10 1/4"	1' 9 3/4"	1' 10 1/4"	1' 9 1/2"	1' 10 1/4"
21"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/4"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/4"
19"	1' 7"	1' 7"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/4"
18"	1' 6"	1' 6"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"
17"	1' 5"	1' 5"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"
16"	1' 4"	1' 4"	1' 4"	1' 4"	1' 3 3/4"	1' 4 1/4"
15"	1' 3"	1' 3"	1' 3"	1' 3"	1' 2 3/4"	1' 3"
14"	1' 2"	1' 2"	1' 2"	1' 2"	1' 2"	1' 2"

Depth of field tables

MASTER PRIME Distagon 35/T1.3 T*XP



circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	49' 3" feet		36' 1" feet		24' 7 1/4" feet	
	from	to	from	to	from	to
feet						
INF	41' 5"	INF	29' 9"	INF	21' 5"	INF
60'	24' 8 1/2"	INF	20' 3/4"	INF	15' 11 1/2"	INF
30'	17' 7 1/4"	72' 8"	15' 1 3/4"	197' 2 3/4"	12' 8 1/2"	INF
20'	13' 8"	32' 6 3/4"	12' 2"	45' 2"	10' 6 1/2"	103'
15'	11' 2"	20' 11 3/4"	10' 2"	25' 6 1/4"	9' 1/4"	37' 1 1/4"
12'	9' 5 1/2"	15' 5 3/4"	8' 8 3/4"	17' 9 1/4"	7' 10 1/2"	22' 7 1/2"
10'	8' 2 1/4"	12' 3 1/4"	7' 7 3/4"	13' 7 3/4"	7'	16' 3 1/2"
9'	7' 6 1/4"	10' 9 1/4"	7' 3/4"	11' 9 3/4"	6' 6"	13' 8 1/2"
8'	6' 9 3/4"	9' 4 1/4"	6' 5 1/4"	10' 1 1/4"	5' 11 3/4"	11' 5 1/2"
7'	6' 1"	8'	5' 9 1/2"	8' 6 1/2"	5' 5 1/4"	9' 5 1/2"
6'	5' 4"	6' 8 1/2"	5' 1 1/4"	7' 3/4"	4' 10"	7' 8"
5' 6"	4' 11 1/4"	6' 1"	4' 9"	6' 4 1/2"	4' 6"	6' 10 1/4"
5'	4' 6 1/2"	5' 5 1/2"	4' 4 1/2"	5' 8 1/4"	4' 2 1/4"	6' 3/4"
4' 6"	4' 1 1/2"	4' 10 1/4"	4'	5' 1/2"	3' 10"	5' 4"
4' 3"	3' 11"	4' 6 3/4"	3' 9 3/4"	4' 8 3/4"	3' 8"	4' 11 3/4"
4'	3' 8 1/2"	4' 3 1/4"	3' 7 1/4"	4' 5"	3' 5 3/4"	4' 7 1/2"
3' 9"	3' 6"	3' 11 3/4"	3' 5"	4' 1 1/4"	3' 3 1/2"	4' 3 1/2"
3' 6"	3' 3 1/2"	3' 8 1/2"	3' 2 1/2"	3' 9 1/2"	3' 1 1/4"	3' 11 1/2"
3' 3"	3' 3/4"	3' 5"	3'	3' 6"	2' 11"	3' 7 1/2"
3'	2' 10 1/4"	3' 1 3/4"	2' 9 1/2"	3' 2 1/2"	2' 8 1/2"	3' 3 3/4"
2' 9"	2' 7 1/2"	2' 10 1/4"	2' 7"	2' 11"	2' 6 1/4"	3'
2' 6"	2' 4 3/4"	2' 7"	2' 4 1/4"	2' 7 1/2"	2' 3 3/4"	2' 8 1/4"
2' 3"	2' 2"	2' 3 3/4"	2' 1 3/4"	2' 4 1/4"	2' 1 1/4"	2' 4 3/4"
2'	1' 11 1/4"	2' 1/2"	1' 11"	2' 1"	1' 10 3/4"	2' 1 1/4"
23"	1' 10 1/4"	1' 11 1/2"	1' 10"	1' 11 3/4"	1' 9 3/4"	2' 1/4"
22"	1' 9 1/2"	1' 10 1/2"	1' 9 1/4"	1' 10 3/4"	1' 9"	1' 11"
21"	1' 8 1/2"	1' 9 1/2"	1' 8 1/4"	1' 9 3/4"	1' 8"	1' 10"
20"	1' 7 1/2"	1' 8 1/2"	1' 7 1/2"	1' 8 1/2"	1' 7 1/4"	1' 8 3/4"
19"	1' 6 1/2"	1' 7 1/4"	1' 6 1/2"	1' 7 1/2"	1' 6 1/4"	1' 7 3/4"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 1/2"	1' 6 1/2"	1' 5 1/4"	1' 6 1/2"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 1/2"	1' 5 1/4"	1' 4 1/2"	1' 5 1/2"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"	1' 3 1/2"	1' 4 1/2"
15"	1' 2 3/4"	1' 3 1/4"	1' 2 3/4"	1' 3 1/4"	1' 2 1/2"	1' 3 1/4"
14"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"	1' 1 3/4"	1' 2 1/4"

Depth of field tables



MASTER PRIME Distagon 35/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	17' 3/4" feet		12' 1 3/4" feet		8' 6 1/4" feet	
	from	to	from	to	from	to
feet						
INF	15' 6 1/4"	INF	11' 2 1/2"	INF	8' 1 1/2"	INF
60'	12' 5 1/2"	INF	9' 6 3/4"	INF	7' 2 3/4"	INF
30'	10' 5"	INF	8' 4"	INF	6' 6 1/4"	INF
20'	8' 11 1/4"	INF	7' 4 1/2"	INF	5' 11 1/4"	INF
15'	7' 10"	11' 10"	6' 7 1/2"	INF	5' 5 1/2"	INF
12'	6' 11 3/4"	37' 9 3/4"	6'	10' 6' 5"	5' 1 1/2"	INF
10'	6' 3 1/4"	22' 9 1/4"	5' 6"	53' 1 1/2"	4' 8 1/4"	INF
9'	5' 10 3/4"	17' 11 3/4"	5' 2 1/2"	32' 6 1/4"	4' 5 3/4"	INF
8'	5' 5 1/2"	14' 3"	4' 10 1/2"	21' 11"	4' 2 3/4"	99' 11 1/4"
7'	5'	11' 3"	4' 6"	15' 5 1/4"	3' 11 1/2"	33' 8"
6'	4' 6"	8' 9 1/2"	4' 1 1/4"	11' 1"	3' 7 3/4"	17' 10 1/2"
5' 6"	4' 2 3/4"	7' 8 1/2"	3' 10 1/2"	9' 4 3/4"	3' 5 3/4"	13' 9 1/4"
5'	3' 11 1/4"	6' 8 3/4"	3' 7 1/2"	7' 11 1/4"	3' 3 1/2"	10' 9 1/2"
4' 6"	3' 7 1/2"	5' 9 3/4"	3' 4 1/2"	6' 8 1/4"	3' 1"	8' 6 1/2"
4' 3"	3' 5 3/4"	5' 4 1/2"	3' 3"	6' 1 1/4"	2' 11 3/4"	7' 7 1/4"
4'	3' 3 3/4"	4' 11 3/4"	3' 1 1/4"	5' 7"	2' 10 1/4"	6' 9 1/4"
3' 9"	3' 1 3/4"	4' 7"	2' 11 1/2"	5' 1"	2' 9"	6' 1/4"
3' 6"	2' 11 3/4"	4' 2 1/4"	2' 9 3/4"	4' 7 1/4"	2' 7 1/2"	5' 4 1/4"
3' 3"	2' 9 3/4"	3' 10"	2' 8"	4' 1 3/4"	2' 5 3/4"	4' 9"
3'	2' 7 1/2"	3' 5 3/4"	2' 6"	3' 8 3/4"	2' 4 1/4"	4' 2 1/4"
2' 9"	2' 5 1/4"	3' 1 1/2"	2' 4"	3' 4"	2' 2 1/2"	3' 8 1/4"
2' 6"	2' 3"	2' 9 1/2"	2' 2"	2' 11 1/2"	2' 3/4"	3' 2 1/2"
2' 3"	2' 1/2"	2' 5 3/4"	1' 11 3/4"	2' 7"	1' 10 3/4"	2' 9 1/4"
2'	1' 10 1/4"	2' 2"	1' 9 1/2"	2' 3"	1' 8 3/4"	2' 4 1/2"
23"	1' 9 1/4"	2' 3/4"	1' 8 3/4"	2' 1 3/4"	1' 8"	2' 3"
22"	1' 8 1/2"	1' 11 1/2"	1' 8"	2' 1/4"	1' 7 1/4"	2' 1 1/2"
21"	1' 7 3/4"	1' 10 1/2"	1' 7 1/4"	1' 11"	1' 6 3/4"	2'
20"	1' 6 3/4"	1' 9 1/4"	1' 6 1/2"	1' 9 3/4"	1' 6"	1' 10 3/4"
19"	1' 6"	1' 8"	1' 5 3/4"	1' 8 1/2"	1' 5 1/4"	1' 9 1/4"
18"	1' 5 1/4"	1' 7"	1' 4 3/4"	1' 7 1/4"	1' 4 1/2"	1' 8"
17"	1' 4 1/4"	1' 5 3/4"	1' 4"	1' 6"	1' 3 1/2"	1' 6 3/4"
16"	1' 3 1/4"	1' 4 3/4"	1' 3 1/4"	1' 5"	1' 2 3/4"	1' 5 1/2"
15"	1' 2 1/2"	1' 3 1/2"	1' 2 1/4"	1' 3 3/4"	1' 2"	1' 4 1/4"
14"	1' 1 1/2"	1' 2 1/2"	1' 1 1/2"	1' 2 1/2"	1' 1 1/4"	1' 3"

Depth of field tables

MASTER PRIME Distagon 40/T1.3 T*XP



circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	180' 5" feet		105' feet		78' 9" feet	
	from	to	from	to	from	to
feet						
INF	181' 7 1/2"	INF	132' 8 1/4"	INF	87' 1/4"	INF
60'	45' 3"	89' 2 3/4"	41' 5 3/4"	137' 8 1/4"	35' 8 1/2"	246' 7"
30'	25' 10"	35' 9 1/2"	24' 7"	41' 7"	22' 5 1/2"	47' 10 1/2"
20'	18' 1"	22' 4 1/2"	17' 5 3/4"	24' 5 3/4"	16' 4 1/2"	26' 6"
15'	13' 11"	16' 3 1/4"	13' 6 1/2"	17' 4 1/4"	12' 10 3/4"	18' 4"
12'	11' 3 1/2"	12' 9 1/2"	11' 3/4"	13' 5 1/4"	10' 7 1/2"	14'
10'	9' 6 1/4"	10' 6 1/2"	9' 4 1/4"	10' 11 1/2"	9' 1/2"	11' 4"
9'	8' 7 1/4"	9' 5 1/4"	8' 5 3/4"	9' 9 1/4"	8' 2 3/4"	10' 3/4"
8'	7' 8 1/4"	8' 4"	7' 7"	8' 7"	7' 4 3/4"	8' 9 3/4"
7'	6' 9 1/4"	7' 3"	6' 8 1/4"	7' 5 1/4"	6' 6 1/2"	7' 7 1/4"
6'	5' 10"	6' 2 1/4"	5' 9 1/4"	6' 3 3/4"	5' 8"	6' 5 1/4"
5' 6"	5' 4 1/4"	5' 7 3/4"	5' 3 3/4"	5' 9"	5' 2 1/2"	5' 10 1/4"
5'	4' 10 3/4"	5' 1 1/2"	4' 10 1/4"	5' 2 1/2"	4' 9 1/4"	5' 3 1/2"
4' 6"	4' 5"	4' 7 1/4"	4' 4 1/2"	4' 8"	4' 3 3/4"	4' 8 3/4"
4' 3"	4' 2"	4' 4"	4' 1 3/4"	4' 4 3/4"	4' 1"	4' 5 1/2"
4'	3' 11 1/4"	4' 1"	3' 10 3/4"	4' 1 1/2"	3' 10 1/4"	4' 2"
3' 9"	3' 8 1/4"	3' 9 3/4"	3' 8"	3' 10 1/4"	3' 7 1/2"	3' 10 3/4"
3' 6"	3' 5 1/4"	3' 6 3/4"	3' 5 1/4"	3' 7 1/4"	3' 4 3/4"	3' 7 1/2"
3' 3"	3' 2 1/2"	3' 3 1/2"	3' 2 1/4"	3' 4"	3' 2"	3' 4 1/4"
3'	2' 11 1/2"	3' 1/2"	2' 11 1/2"	3' 3/4"	2' 11"	3' 1"
2' 9"	2' 8 3/4"	2' 9 1/2"	2' 8 1/2"	2' 9 3/4"	2' 8 1/4"	2' 9 3/4"
2' 6"	2' 5 3/4"	2' 6 1/4"	2' 5 1/2"	2' 6 1/2"	2' 5 1/2"	2' 6 3/4"
2' 3"	2' 2 3/4"	2' 3 1/4"	2' 2 3/4"	2' 3 1/2"	2' 2 1/2"	2' 3 1/2"
2'	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 1/2"
23"	1' 10 3/4"	1' 11 1/4"	1' 10 3/4"	1' 11 1/4"	1' 10 3/4"	1' 11 1/4"
22"	1' 9 3/4"	1' 10 1/4"	1' 9 3/4"	1' 10 1/4"	1' 9 3/4"	1' 10 1/4"
21"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/4"	1' 8 3/4"	1' 9 1/4"
20"	1' 8"	1' 8"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/4"
19"	1' 7"	1' 7"	1' 6 3/4"	1' 7 1/4"	1' 6 3/4"	1' 7 1/4"
18"	1' 6"	1' 6"	1' 6"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"
17"	1' 5"	1' 5"	1' 5"	1' 5"	1' 4 3/4"	1' 5 1/4"
16"	1' 4"	1' 4"	1' 4"	1' 4"	1' 4"	1' 4 1/4"

Depth of field tables

MASTER PRIME Distagon 40/T1.3 T*XP



circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	59' feet		42' 8" feet		29' 6 1/4" feet	
	from	to	from	to	from	to
feet						
INF	59' 2 1/2"	INF	41' 5 1/2"	INF	29' 3"	INF
60'	30'	INF	24' 8 1/2"	INF	19' 10"	INF
30'	20' 1"	61' 6 1/4"	17' 7 1/4"	107' 2 3/4"	15'	INF
20'	15' 1 1/4"	30' 2"	13' 8"	38'	12' 3/4"	60' 7"
15'	12' 1 1/4"	19' 11 3/4"	11' 2"	23' 1 1/4"	10' 1"	29' 9"
12'	10' 1"	14' 11 1/4"	9' 5 1/4"	16' 7"	8' 8"	19' 8 1/2"
10'	8' 7 3/4"	11' 11 1/4"	8' 2 1/4"	12' 11 1/4"	7' 7 1/4"	14' 8 3/4"
9'	7' 10 3/4"	10' 6 1/4"	7' 6"	11' 3 1/2"	7' 1/4"	12' 7 1/2"
8'	7' 1 1/2"	9' 2"	6' 9 3/4"	9' 8 3/4"	6' 5"	10' 8 1/4"
7'	6' 4"	7' 10 1/4"	6' 1"	8' 3 1/4"	5' 9 1/4"	8' 11 1/4"
6'	5' 6 1/4"	6' 7 1/4"	5' 4"	6' 10 3/4"	5' 1"	7' 4"
5' 6"	5' 1"	6'	4' 11 1/4"	6' 2 3/4"	4' 8 3/4"	6' 7"
5'	4' 8"	5' 4 3/4"	4' 6 1/2"	5' 7"	4' 4 1/2"	5' 10 1/2"
4' 6"	4' 2 3/4"	4' 9 3/4"	4' 1 1/2"	4' 11 1/2"	3' 11 3/4"	5' 2"
4' 3"	4' 1/4"	4' 6 1/4"	3' 11"	4' 7 3/4"	3' 9 1/2"	4' 10"
4'	3' 9 1/2"	4' 3"	3' 8 1/2"	4' 4 1/4"	3' 7 1/4"	4' 6 1/4"
3' 9"	3' 6 3/4"	3' 11 1/2"	3' 6"	4' 1/2"	3' 4 3/4"	4' 2 1/4"
3' 6"	3' 4 1/4"	3' 8 1/4"	3' 3 1/2"	3' 9"	3' 2 1/2"	3' 10 1/2"
3' 3"	3' 1 1/2"	3' 4 3/4"	3' 3/4"	3' 5 1/2"	3'	3' 6 3/4"
3'	2' 10 3/4"	3' 1 1/2"	2' 10 1/4"	3' 2 1/4"	2' 9 1/2"	3' 3"
2' 9"	2' 8"	2' 10 1/4"	2' 7 1/2"	2' 10 3/4"	2' 6 3/4"	2' 11 1/2"
2' 6"	2' 5 1/4"	2' 7"	2' 4 3/4"	2' 7 1/4"	2' 4 1/4"	2' 8"
2' 3"	2' 2 1/4"	2' 3 3/4"	2' 2"	2' 4"	2' 1 3/4"	2' 4 1/2"
2'	1' 11 1/2"	2' 1/2"	1' 11 1/4"	2' 3/4"	1' 11"	2' 1 1/4"
23"	1' 10 1/2"	1' 11 1/2"	1' 10 1/4"	1' 11 3/4"	1' 10"	2'
22"	1' 9 1/2"	1' 10 1/2"	1' 9 1/2"	1' 10 3/4"	1' 9 1/4"	1' 11"
21"	1' 8 3/4"	1' 9 1/2"	1' 8 1/2"	1' 9 1/2"	1' 8 1/4"	1' 9 3/4"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 1/2"	1' 8 1/2"	1' 7 1/4"	1' 8 3/4"
19"	1' 6 3/4"	1' 7 1/4"	1' 6 1/2"	1' 7 1/2"	1' 6 1/2"	1' 7 1/2"
18"	1' 5 3/4"	1' 6 1/4"	1' 5 3/4"	1' 6 1/4"	1' 5 1/2"	1' 6 1/2"
17"	1' 4 3/4"	1' 5 1/4"	1' 4 3/4"	1' 5 1/4"	1' 4 1/2"	1' 5 1/2"
16"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/4"	1' 3 3/4"	1' 4 1/2"

Depth of field tables



MASTER PRIME Distagon 40/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	21' feet		14' 9 1/4" feet		10' 6" feet	
	from	to	from	to	from	to
feet						
INF	20' 9 1/4"	INF	14' 9 3/4"	INF	10' 7 1/4"	INF
60'	15' 7"	INF	12'	INF	9' 1 1/4"	INF
30'	12' 5 1/2"	INF	10' 1"	INF	7' 11 3/4"	INF
20'	10' 4 1/2"	412' 10 1/2"	8' 8 1/2"	INF	7' 1 1/4"	INF
15'	8' 10 3/4"	50' 8 1/4"	7' 7 3/4"	INF	6' 4 3/4"	INF
12'	7' 9 1/2"	27'	6' 9 3/4"	57' 10 1/2"	5' 10"	INF
10'	6' 11"	18' 4 3/4"	6' 2"	28' 8 1/4"	5' 4"	150' 11 1/4"
9'	6' 5 1/4"	15' 2 1/4"	5' 9 1/2"	21' 5 3/4"	5' 3/4"	53' 9"
8'	5' 11 1/4"	12' 5 1/2"	5' 4 1/2"	16' 4"	4' 9"	29' 9 1/2"
7'	5' 4 1/2"	10' 1 1/2"	4' 11"	12' 6"	4' 4 3/4"	18' 11 1/4"
6'	4' 9 1/2"	8' 1 1/4"	4' 5 1/4"	9' 6 1/4"	4' 1/4"	12' 9"
5' 6"	4' 5 3/4"	7' 2 1/4"	4' 2"	8' 3 1/4"	3' 9 1/2"	10' 6 3/4"
5'	4' 1 3/4"	6' 4"	3' 10 1/2"	7' 1 1/2"	3' 6 3/4"	8' 9"
4' 6"	3' 9 3/4"	5' 6 1/4"	3' 7"	6' 1 1/2"	3' 3 3/4"	7' 3"
4' 3"	3' 7 3/4"	5' 1 3/4"	3' 5 1/4"	5' 7 3/4"	3' 2 1/4"	6' 6 3/4"
4'	3' 5 1/2"	4' 9 1/4"	3' 3 1/4"	5' 2 1/4"	3' 3/4"	5' 11 1/2"
3' 9"	3' 3 1/4"	4' 4 3/4"	3' 1 1/2"	4' 9"	2' 11"	5' 4 1/2"
3' 6"	3' 1"	4' 3/4"	2' 11 1/2"	4' 4 1/4"	2' 9 1/4"	4' 10 1/4"
3' 3"	2' 10 3/4"	3' 8 1/2"	2' 9 1/4"	3' 11 1/2"	2' 7 1/2"	4' 4 1/4"
3'	2' 8 1/2"	3' 4 1/2"	2' 7 1/4"	3' 6 3/4"	2' 5 3/4"	3' 10 3/4"
2' 9"	2' 6"	3' 3/4"	2' 5"	3' 2 1/2"	2' 3 3/4"	3' 5 1/2"
2' 6"	2' 3 3/4"	2' 9"	2' 2 3/4"	2' 10 1/4"	2' 1 3/4"	3' 1/2"
2' 3"	2' 1 1/4"	2' 5 1/4"	2' 1/2"	2' 6 1/4"	1' 11 1/2"	2' 8"
2'	1' 10 1/2"	2' 1 3/4"	1' 10"	2' 2 1/2"	1' 9 1/2"	2' 3 1/2"
23"	1' 9 3/4"	2' 1/2"	1' 9 1/4"	2' 1 1/4"	1' 8 3/4"	2' 2 1/4"
22"	1' 8 3/4"	1' 11 1/4"	1' 8 1/2"	2'	1' 7 3/4"	2' 3/4"
21"	1' 8"	1' 10 1/4"	1' 7 1/2"	1' 10 3/4"	1' 7"	1' 11 1/2"
20"	1' 7"	1' 9"	1' 6 3/4"	1' 9 1/2"	1' 6 1/4"	1' 10 1/4"
19"	1' 6 1/4"	1' 8"	1' 6"	1' 8 1/4"	1' 5 1/2"	1' 9"
18"	1' 5 1/4"	1' 6 3/4"	1' 5"	1' 7"	1' 4 3/4"	1' 7 1/2"
17"	1' 4 1/2"	1' 5 3/4"	1' 4 1/4"	1' 6"	1' 4"	1' 6 1/4"
16"	1' 3 1/2"	1' 4 1/2"	1' 3 1/4"	1' 4 3/4"	1' 3"	1' 5 1/4"

Depth of field tables



MASTER PRIME Planar 50/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	285' 5" feet		147' 8" feet		111' 7" feet	
	from	to	from	to	from	to
feet						
INF	287' 7 1/4"	INF	218' 1 1/4"	INF	137' 3/4"	INF
60'	49' 9 1/4"	75' 7 1/4"	47' 2 1/4"	100' 6 1/4"	41' 11"	129' 6"
30'	27' 2 3/4"	33' 4 3/4"	26' 5 1/2"	37' 5 1/4"	24' 8 3/4"	40' 9 1/2"
20'	18' 9"	21' 5 1/4"	18' 4 1/2"	23'	17' 6 1/2"	24' 2 1/2"
15'	14' 3 1/2"	15' 9 1/4"	14' 1"	16' 7 1/4"	13' 7 1/4"	17' 2 1/2"
12'	11' 6 1/2"	12' 5 3/4"	11' 5"	12' 11 3/4"	11' 1 1/4"	13' 4 1/4"
10'	9' 8 1/4"	10' 4"	9' 7 1/4"	10' 8"	9' 4 1/2"	10' 10 3/4"
9'	8' 9"	9' 3 1/4"	8' 8"	9' 6 1/4"	8' 6"	9' 8 1/2"
8'	7' 9 3/4"	8' 2 1/2"	7' 9"	8' 5"	7' 7 1/4"	8' 6 3/4"
7'	6' 10 1/4"	7' 1 3/4"	6' 9 3/4"	7' 3 3/4"	6' 8 1/2"	7' 5"
6' 6"	6' 4 1/2"	6' 7 1/2"	6' 4"	6' 9"	6' 3"	6' 10 1/4"
6'	5' 10 3/4"	6' 1 1/4"	5' 10 1/4"	6' 2 1/2"	5' 9 1/2"	6' 3 1/2"
5' 6"	5' 5"	5' 7"	5' 4 1/2"	5' 8 1/4"	5' 3 3/4"	5' 9"
5' 3"	5' 2"	5' 4"	5' 1 3/4"	5' 5"	5' 1"	5' 5 1/2"
5'	4' 11 1/4"	5' 1"	4' 10 3/4"	5' 1 3/4"	4' 10 1/4"	5' 2 1/4"
4' 9"	4' 8 1/4"	4' 9 3/4"	4' 8"	4' 10 1/2"	4' 7 1/2"	4' 11"
4' 6"	4' 5 1/4"	4' 6 3/4"	4' 5"	4' 7 1/2"	4' 4 1/2"	4' 7 3/4"
4' 3"	4' 2 1/2"	4' 3 1/2"	4' 2 1/4"	4' 4 1/4"	4' 1 3/4"	4' 4 3/4"
4'	3' 11 1/2"	4' 1/2"	3' 11 1/4"	4' 1"	3' 11"	4' 1 1/2"
3' 9"	3' 8 1/2"	3' 9 1/2"	3' 8 1/2"	3' 10"	3' 8"	3' 10 1/4"
3' 6"	3' 5 1/2"	3' 6 1/2"	3' 5 1/2"	3' 6 3/4"	3' 5 1/4"	3' 7"
3' 3"	3' 2 3/4"	3' 3 1/4"	3' 2 1/2"	3' 3 3/4"	3' 2 1/4"	3' 4"
3'	2' 11 3/4"	3' 1/4"	2' 11 3/4"	3' 1/2"	2' 11 1/2"	3' 3/4"
2' 9"	2' 8 3/4"	2' 9 1/4"	2' 8 3/4"	2' 9 1/2"	2' 8 1/2"	2' 9 1/2"
2' 6"	2' 5 3/4"	2' 6 1/4"	2' 5 3/4"	2' 6 1/4"	2' 5 3/4"	2' 6 1/2"
2' 3"	2' 2 3/4"	2' 3 1/4"	2' 2 3/4"	2' 3 1/4"	2' 2 3/4"	2' 3 1/4"
2'	2'	2'	1' 11 3/4"	2' 1/4"	1' 11 3/4"	2' 1/4"
22"	1' 10"	1' 10"	1' 10"	1' 10 1/4"	1' 9 3/4"	1' 10 1/4"
20"	1' 8"	1' 8"	1' 8"	1' 8"	1' 7 3/4"	1' 8 1/4"

Depth of field tables



MASTER PRIME Planar 50/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	85' 4" feet		62' 4" feet		42' 8" feet	
feet	from	to	from	to	from	to
INF	88' 2 1/4"	INF	60' 1 1/2"	INF	42' 1 1/2"	INF
60'	35' 11"	205' 5"	30' 3"	2134' 5 1/4"	24' 11 1/2"	INF
30'	22' 6 1/2"	46' 3/4"	20' 2 1/2"	57' 6 3/4"	17' 8 3/4"	91' 9"
20'	16' 5 1/4"	25' 11 1/4"	15' 2"	29' 2 1/4"	13' 9"	35' 10 1/4"
15'	12' 11"	18' 3/4"	12' 1 3/4"	19' 6 1/2"	11' 2 3/4"	22' 3 1/4"
12'	10' 7 3/4"	13' 10 1/4"	10' 1 1/2"	14' 8 1/4"	9' 5 3/4"	16' 2"
10'	9' 3/4"	11' 2 3/4"	8' 8 1/4"	11' 9 1/4"	8' 2 1/2"	12' 8 1/4"
9'	8' 2 3/4"	9' 11 3/4"	7' 11"	10' 4 3/4"	7' 6 1/2"	11' 1"
8'	7' 4 3/4"	8' 9"	7' 1 3/4"	9' 3/4"	6' 10"	9' 7"
7'	6' 6 1/2"	7' 6 3/4"	6' 4 1/4"	7' 9 1/2"	6' 1 1/4"	8' 2"
6' 6"	6' 1 1/4"	6' 11 3/4"	5' 11 1/4"	7' 2"	5' 8 3/4"	7' 5 3/4"
6'	5' 8"	6' 4 3/4"	5' 6 1/4"	6' 6 3/4"	5' 4 1/4"	6' 9 3/4"
5' 6"	5' 2 3/4"	5' 10"	5' 1 1/4"	5' 11 1/2"	4' 11 1/2"	6' 2"
5' 3"	5'	5' 6 1/2"	4' 10 3/4"	5' 8"	4' 9"	5' 10 1/4"
5'	4' 9 1/4"	5' 3 1/4"	4' 8"	5' 4 1/2"	4' 6 1/2"	5' 6 1/4"
4' 9"	4' 6 1/2"	4' 11 3/4"	4' 5 1/2"	5' 1"	4' 4 1/4"	5' 2 3/4"
4' 6"	4' 3 3/4"	4' 8 1/2"	4' 3"	4' 9 1/2"	4' 1 3/4"	4' 11"
4' 3"	4' 1"	4' 5 1/4"	4' 1/4"	4' 6"	3' 11 1/4"	4' 7 1/4"
4'	3' 10 1/4"	4' 2"	3' 9 1/2"	4' 2 3/4"	3' 8 3/4"	4' 3 3/4"
3' 9"	3' 7 1/2"	3' 10 3/4"	3' 7"	3' 11 1/4"	3' 6"	4' 1/4"
3' 6"	3' 4 3/4"	3' 7 1/2"	3' 4 1/4"	3' 8"	3' 3 1/2"	3' 8 3/4"
3' 3"	3' 2"	3' 4 1/4"	3' 1 1/2"	3' 4 1/2"	3' 3/4"	3' 5 1/4"
3'	2' 11 1/4"	3' 1"	2' 10 3/4"	3' 1 1/4"	2' 10 1/4"	3' 2"
2' 9"	2' 8 1/4"	2' 9 3/4"	2' 8"	2' 10"	2' 7 1/2"	2' 10 1/2"
2' 6"	2' 5 1/2"	2' 6 1/2"	2' 5 1/4"	2' 6 3/4"	2' 4 3/4"	2' 7 1/4"
2' 3"	2' 2 1/2"	2' 3 1/2"	2' 2 1/4"	2' 3 3/4"	2' 2"	2' 4"
2'	1' 11 3/4"	2' 1/4"	1' 11 1/2"	2' 1/2"	1' 11 1/4"	2' 3/4"
22"	1' 9 3/4"	1' 10 1/4"	1' 9 1/2"	1' 10 1/2"	1' 9 1/2"	1' 10 1/2"
20"	1' 7 3/4"	1' 8 1/4"	1' 7 3/4"	1' 8 1/4"	1' 7 1/2"	1' 8 1/2"

Depth of field tables



MASTER PRIME Planar 50/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	31' 2" feet		22' 3 3/4" feet		15' 9" feet	
	from	to	from	to	from	to
feet						
INF	29' 11"	INF	21' 3 1/2"	INF	15' 3"	INF
60'	20' 2"	INF	15' 10 1/2"	INF	12' 3 1/2"	INF
30'	15' 2 1/4"	708' 3"	12' 8"	INF	10' 3 1/2"	INF
20'	12' 2 1/4"	53' 11"	10' 6 1/2"	192' 4"	8' 10 1/4"	INF
15'	10' 2 1/4"	28' 1/4"	9' 1/4"	44' 4 1/2"	7' 9 1/4"	287' 6 1/4"
12'	8' 9"	18' 11 1/4"	7' 10 1/2"	25' 1"	6' 11 1/4"	47' 4 1/2"
10'	7' 8"	14' 3 1/2"	7'	17' 5 3/4"	6' 3"	25' 9 3/4"
9'	7' 1"	12' 3 1/2"	6' 6"	14' 6 1/2"	5' 10 1/4"	19' 9 3/4"
8'	6' 5 1/2"	10' 5 1/2"	5' 11 3/4"	12' 1/4"	5' 5 1/4"	15' 4 1/4"
7'	5' 9 3/4"	8' 9 1/4"	5' 5 1/4"	9' 10"	4' 11 3/4"	11' 10 3/4"
6' 6"	5' 5 1/2"	7' 11 3/4"	5' 1 3/4"	8' 10"	4' 9"	10' 5 1/2"
6'	5' 1 1/2"	7' 2 3/4"	4' 10"	7' 10 3/4"	4' 5 3/4"	9' 2"
5' 6"	4' 9"	6' 6"	4' 6 1/4"	7' 1/4"	4' 2 1/2"	8'
5' 3"	4' 7"	6' 1 3/4"	4' 4 1/4"	6' 7 1/4"	4' 3/4"	7' 5 1/4"
5'	4' 4 3/4"	5' 9 1/2"	4' 2 1/4"	6' 2 1/2"	3' 11"	6' 11 1/4"
4' 9"	4' 2 1/2"	5' 5 1/2"	4' 1/4"	5' 9 3/4"	3' 9 1/4"	6' 5 1/4"
4' 6"	4'	5' 1 1/2"	3' 10"	5' 5 1/4"	3' 7 1/2"	5' 11 1/2"
4' 3"	3' 9 3/4"	4' 9 1/2"	3' 8"	5' 3/4"	3' 5 3/4"	5' 6"
4'	3' 7 1/2"	4' 5 1/2"	3' 5 3/4"	4' 8 1/4"	3' 3 3/4"	5' 1"
3' 9"	3' 5"	4' 1 3/4"	3' 3 1/2"	4' 4"	3' 1 3/4"	4' 8"
3' 6"	3' 2 1/2"	3' 10"	3' 1 1/4"	4'	2' 11 3/4"	4' 3 1/4"
3' 3"	3'	3' 6 1/2"	2' 11"	3' 8"	2' 9 1/2"	3' 10 1/2"
3'	2' 9 1/2"	3' 2 3/4"	2' 8 3/4"	3' 4"	2' 7 1/2"	3' 6 1/4"
2' 9"	2' 7"	2' 11 1/4"	2' 6 1/4"	3' 1/4"	2' 5 1/4"	3' 2"
2' 6"	2' 4 1/2"	2' 7 3/4"	2' 3 3/4"	2' 8 1/2"	2' 3"	2' 9 3/4"
2' 3"	2' 1 3/4"	2' 4 1/4"	2' 1 1/4"	2' 5"	2' 3/4"	2' 6"
2'	1' 11"	2' 1"	1' 10 3/4"	2' 1 1/2"	1' 10 1/4"	2' 2"
22"	1' 9 1/4"	1' 10 3/4"	1' 9"	1' 11 1/4"	1' 8 1/2"	1' 11 3/4"
20"	1' 7 1/2"	1' 8 1/2"	1' 7 1/4"	1' 9"	1' 7"	1' 9 1/4"

Depth of field tables



MASTER PRIME Planar 65/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	492' feet		308' 5" feet		196' 10" feet	
	from	to	from	to	from	to
feet						
INF	485' 11 1/2"	INF	271' 10"	INF	202' 3 3/4"	INF
120'	96' 4"	159' 1 3/4"	83' 4 3/4"	196' 2 1/2"	75' 5 3/4"	307' 1 1/4"
60'	53' 5 3/4"	68' 4 1/4"	49' 3"	74' 4 1/4"	46' 4 3/4"	86' 3/4"
40'	37'	43' 6 1/4"	34' 11 1/4"	45' 10 1/2"	33' 6"	50' 1/2"
30'	28' 3 1/2"	31' 11 1/4"	27' 1"	33' 2"	26' 2 1/2"	35' 3 1/4"
25'	23' 9 3/4"	26' 3 3/4"	22' 11 1/4"	27' 1 3/4"	22' 3 3/4"	28' 6 1/2"
20'	19' 2 3/4"	20' 10"	18' 8"	21' 4"	18' 3"	22' 2 1/4"
17'	16' 5 1/4"	17' 7 1/4"	16' 1/2"	17' 11 1/2"	15' 8 3/4"	18' 6 1/2"
15'	14' 6 3/4"	15' 5 1/2"	14' 3"	15' 8 3/4"	14'	16' 2 1/4"
13'	12' 8"	13' 4"	12' 5 1/4"	13' 6 1/2"	12' 3"	13' 10 1/2"
12'	11' 8 3/4"	12' 3 1/2"	11' 6 1/4"	12' 5 1/2"	11' 4 1/2"	12' 8 3/4"
11'	10' 9 1/4"	11' 3"	10' 7 1/4"	11' 4 1/2"	10' 5 1/2"	11' 7 1/4"
10'	9' 9 3/4"	10' 2 1/2"	9' 8"	10' 3 3/4"	9' 6 3/4"	10' 6"
9'	8' 10 1/4"	9' 2"	8' 8 3/4"	9' 3"	8' 7 3/4"	9' 4 3/4"
8' 6"	8' 4 1/4"	8' 7 3/4"	8' 3 1/4"	8' 8 3/4"	8' 2 1/4"	8' 10 1/4"
8'	7' 10 1/2"	8' 1 1/2"	7' 9 1/2"	8' 2 1/4"	7' 8 3/4"	8' 3 3/4"
7' 6"	7' 4 3/4"	7' 7 1/4"	7' 3 3/4"	7' 8"	7' 3"	7' 9 1/4"
7'	6' 11"	7' 1 1/4"	6' 10"	7' 1 3/4"	6' 9 1/2"	7' 2 3/4"
6' 6"	6' 5"	6' 7"	6' 4 1/4"	6' 7 1/2"	6' 3 3/4"	6' 8 1/2"
6'	5' 11 1/4"	6' 3/4"	5' 10 1/2"	6' 1 1/4"	5' 10 1/4"	6' 2"
5' 6"	5' 5 1/4"	5' 6 3/4"	5' 4 3/4"	5' 7"	5' 4 1/2"	5' 7 3/4"
5'	4' 11 1/2"	5' 1/2"	4' 11"	5' 3/4"	4' 10 3/4"	5' 1 1/4"
4' 9"	4' 8 1/2"	4' 9 1/2"	4' 8 1/4"	4' 9 3/4"	4' 8"	4' 10 1/4"
4' 6"	4' 5 1/2"	4' 6 1/2"	4' 5 1/4"	4' 6 3/4"	4' 5"	4' 7"
4' 3"	4' 2 1/2"	4' 3 1/2"	4' 2 1/4"	4' 3 1/2"	4' 2"	4' 4"
4'	3' 11 3/4"	4' 1/4"	3' 11 1/2"	4' 1/2"	3' 11 1/4"	4' 3/4"
3' 9"	3' 8 3/4"	3' 9 1/4"	3' 8 1/2"	3' 9 1/2"	3' 8 1/4"	3' 9 3/4"
3' 6"	3' 5 3/4"	3' 6 1/4"	3' 5 1/2"	3' 6 1/2"	3' 5 1/2"	3' 6 1/2"
3' 3"	3' 2 3/4"	3' 3 1/4"	3' 2 3/4"	3' 3 1/4"	3' 2 1/2"	3' 3 1/2"
3'	2' 11 3/4"	3' 1/4"	2' 11 3/4"	3' 1/4"	2' 11 1/2"	3' 1/2"
2' 9"	2' 8 3/4"	2' 9 1/4"	2' 8 3/4"	2' 9 1/4"	2' 8 3/4"	2' 9 1/4"
2' 6"	2' 6"	2' 6 1/4"	2' 5 3/4"	2' 6 1/4"	2' 5 3/4"	2' 6 1/4"
2' 3"	2' 3"	2' 3"	2' 2 3/4"	2' 3 1/4"	2' 2 3/4"	2' 3 1/4"

Depth of field tables



MASTER PRIME Planar 65/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	127' 11" feet		88' 7" feet		62' 4" feet	
	from	to	from	to	from	to
feet						
INF	153' 4"	INF	108' 11 1/4"	INF	75' 9"	INF
120'	67' 5 3/4"	1931' 2"	57' 3 1/4"	INF	46' 7 1/4"	INF
60'	43' 3 1/4"	112' 4 3/4"	38' 10 1/4"	181' 3 3/4"	33' 7 3/4"	971' 6 1/2"
40'	31' 10"	57' 10 3/4"	29' 4 3/4"	71' 10 1/2"	26' 4"	105' 9 1/4"
30'	25' 2 1/4"	38' 11 3/4"	23' 7 3/4"	44' 9 3/4"	21' 7 1/2"	55' 11 1/4"
25'	21' 7"	30' 10 3/4"	20' 5 1/4"	34' 5 1/4"	18' 11"	40' 7 1/2"
20'	17' 9 1/4"	23' 7"	16' 11 3/4"	25' 6 3/4"	15' 11 1/4"	28' 9 1/2"
17'	15' 4 1/2"	19' 6"	14' 9 1/2"	20' 10"	13' 11 3/4"	22' 11"
15'	13' 8 3/4"	16' 10 3/4"	13' 3"	17' 10 3/4"	12' 7 1/2"	19' 4 3/4"
13'	12' 1/2"	14' 4 3/4"	11' 8 1/4"	15' 1 1/4"	11' 2 1/4"	16' 1 3/4"
12'	11' 2"	13' 2"	10' 10 1/2"	13' 9"	10' 5 1/4"	14' 7 1/4"
11'	10' 3 3/4"	11' 11 3/4"	10' 1/2"	12' 5 1/4"	9' 8 1/4"	13' 1 3/4"
10'	9' 5 1/4"	10' 9 1/2"	9' 2 1/2"	11' 2"	8' 10 3/4"	11' 8 3/4"
9'	8' 6 1/2"	9' 7 1/2"	8' 4 1/4"	9' 11 1/4"	8' 1 1/4"	10' 4 1/4"
8' 6"	8' 1"	9' 3/4"	7' 11 1/4"	9' 3 3/4"	7' 8 1/2"	9' 8 1/4"
8'	7' 7 3/4"	8' 5 3/4"	7' 6"	8' 8 1/2"	7' 3 1/2"	9' 1/2"
7' 6"	7' 2 1/4"	7' 11"	7' 3/4"	8' 1 1/2"	6' 10 1/2"	8' 4 3/4"
7'	6' 8 3/4"	7' 4 1/2"	6' 7 1/2"	7' 6 1/2"	6' 5 1/2"	7' 9 1/4"
6' 6"	6' 3 1/4"	6' 9 3/4"	6' 2"	6' 11 1/2"	6' 1/2"	7' 2"
6'	5' 9 1/2"	6' 3 1/4"	5' 8 3/4"	6' 4 1/2"	5' 7 1/4"	6' 6 1/2"
5' 6"	5' 4"	5' 8 1/2"	5' 3 1/4"	5' 9 3/4"	5' 2"	5' 11 1/2"
5'	4' 10 1/4"	5' 2"	4' 9 3/4"	5' 3"	4' 8 3/4"	5' 4 1/2"
4' 9"	4' 7 1/2"	4' 11"	4' 7"	4' 11 3/4"	4' 6"	5' 1"
4' 6"	4' 4 3/4"	4' 7 3/4"	4' 4 1/4"	4' 8 1/2"	4' 3 1/2"	4' 9 1/2"
4' 3"	4' 1 3/4"	4' 4 1/2"	4' 1 1/2"	4' 5 1/4"	4' 3/4"	4' 6"
4'	3' 11"	4' 1 1/4"	3' 10 1/2"	4' 1 3/4"	3' 10"	4' 2 3/4"
3' 9"	3' 8"	3' 10"	3' 7 3/4"	3' 10 1/2"	3' 7 1/4"	3' 11 1/4"
3' 6"	3' 5 1/4"	3' 7"	3' 5"	3' 7 1/4"	3' 4 1/2"	3' 8"
3' 3"	3' 2 1/4"	3' 3 3/4"	3' 2"	3' 4 1/4"	3' 1 3/4"	3' 4 3/4"
3'	2' 11 1/2"	3' 3/4"	2' 11 1/4"	3' 1"	2' 11"	3' 1 1/4"
2' 9"	2' 8 1/2"	2' 9 1/2"	2' 8 1/2"	2' 9 3/4"	2' 8"	2' 10"
2' 6"	2' 5 3/4"	2' 6 1/2"	2' 5 1/2"	2' 6 3/4"	2' 5 1/4"	2' 7"
2' 3"	2' 2 3/4"	2' 3 1/4"	2' 2 1/2"	2' 3 1/2"	2' 2 1/2"	2' 3 3/4"

Depth of field tables



MASTER PRIME Planar 65/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	45' 11" feet		32' 10" feet		23' 11 1/2" feet	
	from	to	from	to	from	to
feet						
INF	52' 2 1/4"	INF	36' 4"	INF	25' 4"	INF
120'	36' 6 1/4"	INF	28'	INF	21' 1/4"	INF
60'	28' 1"	INF	22' 9 1/2"	INF	17' 11 1/2"	INF
40'	22' 9 3/4"	290' 10 3/4"	19' 2 1/2"	INF	15' 8"	INF
30'	19' 2 1/2"	84' 1/2"	16' 7 1/4"	294' 1 3/4"	13' 11"	INF
25'	17' 3/4"	53' 6 3/4"	14' 11 3/4"	97' 11 1/2"	12' 9"	INF
20'	14' 7 1/4"	34' 8 1/2"	13' 3/4"	48' 11 1/2"	11' 4 1/4"	115' 4"
17'	12' 11 1/2"	26' 5 3/4"	11' 8 3/4"	33' 11 3/4"	10' 4"	56' 3 3/4"
15'	11' 9 1/4"	21' 10 1/4"	10' 9"	26' 8 1/2"	9' 7"	38' 8 1/2"
13'	10' 6 1/4"	17' 9 3/4"	9' 8 1/2"	20' 10 1/2"	8' 9"	27' 5 3/4"
12'	9' 10 1/4"	15' 11 1/2"	9' 1 3/4"	18' 4 1/4"	8' 3 1/2"	23' 3"
11'	9' 2 1/4"	14' 2 1/2"	8' 6 3/4"	16' 1"	7' 9 3/4"	19' 8 1/4"
10'	8' 5 3/4"	12' 6 3/4"	7' 11 1/2"	13' 11 3/4"	7' 3 3/4"	16' 7 1/2"
9'	7' 9 1/4"	11'	7' 4"	12' 3/4"	6' 9 1/4"	13' 11 1/2"
8' 6"	7' 4 3/4"	10' 3"	7'	11' 2"	6' 6"	12' 9 1/4"
8'	7' 1/4"	9' 6 1/4"	6' 8"	10' 3 3/4"	6' 2 1/2"	11' 7 3/4"
7' 6"	6' 7 1/2"	8' 9 3/4"	6' 3 3/4"	9' 5 3/4"	5' 11"	10' 7"
7'	6' 3"	8' 1 1/2"	5' 11 1/2"	8' 8"	5' 7 1/4"	9' 7"
6' 6"	5' 10 1/4"	7' 5 1/2"	5' 7 1/4"	7' 11"	5' 3 1/2"	8' 7 3/4"
6'	5' 5 1/4"	6' 9 1/2"	5' 2 3/4"	7' 2"	4' 11 1/2"	7' 9 1/4"
5' 6"	5' 1/2"	6' 1 3/4"	4' 10 1/4"	6' 5 1/2"	4' 7 1/2"	6' 11"
5'	4' 7 1/2"	5' 6 1/4"	4' 5 3/4"	5' 9"	4' 3 1/4"	6' 1 1/2"
4' 9"	4' 5"	5' 2 1/2"	4' 3 1/4"	5' 5"	4' 1"	5' 9"
4' 6"	4' 2 1/4"	4' 11"	4' 3/4"	5' 1 1/4"	3' 11"	5' 4 1/2"
4' 3"	3' 11 3/4"	4' 7 1/4"	3' 10 1/2"	4' 9 1/4"	3' 8 3/4"	5' 1/4"
4'	3' 9 1/4"	4' 3 3/4"	3' 8"	4' 5 1/2"	3' 6 1/2"	4' 8"
3' 9"	3' 6 1/2"	4' 1/4"	3' 5 1/2"	4' 1 3/4"	3' 4 1/4"	4' 3 3/4"
3' 6"	3' 3 3/4"	3' 8 3/4"	3' 3"	3' 10"	3' 1 3/4"	3' 11 3/4"
3' 3"	3' 1 1/4"	3' 5 1/4"	3' 1/2"	3' 6 1/4"	2' 11 1/2"	3' 7 3/4"
3'	2' 10 1/2"	3' 2"	2' 9 3/4"	3' 2 3/4"	2' 9"	3' 4"
2' 9"	2' 7 3/4"	2' 10 1/2"	2' 7 1/4"	2' 11 1/4"	2' 6 1/2"	3' 1/4"
2' 6"	2' 5"	2' 7 1/4"	2' 4 1/2"	2' 7 3/4"	2' 4"	2' 8 1/2"
2' 3"	2' 2 1/4"	2' 4"	2' 2"	2' 4 1/4"	2' 1 1/2"	2' 5"

Depth of field tables



MASTER PRIME Sonar 75/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	656' feet		328' feet		246' 1" feet	
	from	to	from	to	from	to
feet						
INF	648' 8 1/4"	INF	508' 10"	INF	337' 9"	INF
120'	101' 4"	147' 1 3/4"	97' 2 1/4"	185' 1 1/4"	88' 8"	232' 7 1/2"
60'	54' 11 1/2"	66' 1"	53' 8 3/4"	72' 8 1/2"	51' 1/4"	79' 1/4"
40'	37' 8 1/4"	42' 7 1/4"	37' 1 1/2"	45' 3"	35' 10"	47' 7"
30'	28' 8 1/4"	31' 5 1/4"	28' 4 1/4"	32' 10"	27' 7 1/4"	34' 1/2"
25'	24' 1"	26'	23' 10 1/4"	26' 11 1/4"	23' 3 3/4"	27' 8 3/4"
20'	19' 5"	20' 7 1/2"	19' 3 1/4"	21' 2 1/2"	18' 11"	21' 8 1/2"
17'	16' 7"	17' 5 1/2"	16' 5 3/4"	17' 10 1/4"	16' 2 1/2"	18' 2 1/2"
15'	14' 8"	15' 4 1/4"	14' 7"	15' 8"	14' 4 3/4"	15' 11"
13'	12' 9"	13' 3"	12' 8 1/4"	13' 6"	12' 6 1/2"	13' 8 1/4"
12'	11' 9 1/2"	12' 2 3/4"	11' 8 3/4"	12' 5"	11' 7 1/4"	12' 7"
11'	10' 9 3/4"	11' 2 1/4"	10' 9 1/4"	11' 4 1/4"	10' 8"	11' 5 3/4"
10'	9' 10 1/4"	10' 1 3/4"	9' 9 3/4"	10' 3 1/2"	9' 8 3/4"	10' 4 3/4"
9'	8' 10 1/2"	9' 1 1/2"	8' 10 1/4"	9' 2 3/4"	8' 9 1/2"	9' 3 3/4"
8' 6"	8' 4 3/4"	8' 7 1/4"	8' 4 1/2"	8' 8 1/2"	8' 3 3/4"	8' 9 1/4"
8'	7' 10 3/4"	8' 1 1/4"	7' 10 3/4"	8' 2"	7' 10"	8' 3"
7' 6"	7' 5"	7' 7"	7' 4 3/4"	7' 7 3/4"	7' 4 1/4"	7' 8 1/2"
7'	6' 11 1/4"	7' 1"	6' 11"	7' 1 1/2"	6' 10 1/2"	7' 2 1/4"
6' 6"	6' 5 1/4"	6' 6 3/4"	6' 5"	6' 7 1/4"	6' 4 3/4"	6' 8"
6'	5' 11 1/2"	6' 3/4"	5' 11 1/4"	6' 1 1/4"	5' 10 3/4"	6' 1 1/2"
5' 6"	5' 5 1/2"	5' 6 1/2"	5' 5 1/4"	5' 7"	5' 5"	5' 7 1/4"
5'	4' 11 1/2"	5' 1/2"	4' 11 1/2"	5' 3/4"	4' 11 1/4"	5' 1"
4' 9"	4' 8 1/2"	4' 9 1/2"	4' 8 1/2"	4' 9 3/4"	4' 8 1/4"	4' 10"
4' 6"	4' 5 3/4"	4' 6 1/4"	4' 5 1/2"	4' 6 1/2"	4' 5 1/2"	4' 6 3/4"
4' 3"	4' 2 3/4"	4' 3 1/4"	4' 2 3/4"	4' 3 1/2"	4' 2 1/2"	4' 3 3/4"
4'	3' 11 3/4"	4' 1/4"	3' 11 3/4"	4' 1/2"	3' 11 1/2"	4' 3/4"
3' 9"	3' 8 3/4"	3' 9 1/4"	3' 8 3/4"	3' 9 1/2"	3' 8 1/2"	3' 9 1/2"
3' 6"	3' 5 3/4"	3' 6 1/4"	3' 5 3/4"	3' 6 1/4"	3' 5 3/4"	3' 6 1/2"
3' 3"	3' 2 3/4"	3' 3 1/4"	3' 2 3/4"	3' 3 1/4"	3' 2 3/4"	3' 3 1/2"
3'	2' 11 3/4"	3' 1/4"	2' 11 3/4"	3' 1/4"	2' 11 3/4"	3' 1/4"
2' 9"	2' 9"	2' 9"	2' 8 3/4"	2' 9 1/4"	2' 8 3/4"	2' 9 1/4"

Depth of field tables



MASTER PRIME Sonar 75/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	183' 9" feet		134' 6" feet		95' 2" feet	
	from	to	from	to	from	to
feet						
INF	220' 3"	INF	151' 3 1/2"	INF	104' 4 3/4"	INF
120'	77' 10"	341' 1 3/4"	67' 1"	1178' 9"	56'	INF
60'	47' 3 1/4"	88' 6 1/4"	43' 1 1/4"	108' 5"	38' 3"	157' 6 3/4"
40'	33' 11 1/4"	50' 10 1/2"	31' 9"	56' 9 3/4"	29' 3/4"	67' 10 1/4"
30'	26' 5 3/4"	35' 8 1/4"	25' 1 1/2"	38' 6"	23' 5"	43' 2 3/4"
25'	22' 6 1/4"	28' 9 3/4"	21' 6 1/2"	30' 7 1/4"	20' 3 1/4"	33' 6"
20'	18' 4 1/2"	22' 4 1/4"	17' 8 3/4"	23' 4 3/4"	16' 10 1/2"	25' 3/4"
17'	15' 10"	18' 7 3/4"	15' 4"	19' 4 1/2"	14' 8 1/2"	20' 6"
15'	14' 1"	16' 3 1/4"	13' 8 1/2"	16' 9 3/4"	13' 2 1/4"	17' 7 3/4"
13'	12' 3 3/4"	13' 11 1/4"	12' 1/4"	14' 4"	11' 7 1/2"	14' 11"
12'	11' 5"	12' 9 1/2"	11' 2"	13' 1 1/2"	10' 10"	13' 7 1/4"
11'	10' 6"	11' 7 3/4"	10' 3 1/2"	11' 11"	10'	12' 4"
10'	9' 7"	10' 6 1/2"	9' 5"	10' 9"	9' 2 1/4"	11' 1"
9'	8' 8"	9' 5"	8' 6 1/4"	9' 7 1/4"	8' 4"	9' 10 1/4"
8' 6"	8' 2 1/2"	8' 10 1/2"	8' 1"	9' 1/2"	7' 10 3/4"	9' 3"
8'	7' 9"	8' 4"	7' 7 1/2"	8' 5 1/2"	7' 5 3/4"	8' 8"
7' 6"	7' 3 1/4"	7' 9 1/2"	7' 2"	7' 11"	7' 1/2"	8' 1"
7'	6' 9 3/4"	7' 3"	6' 8 1/2"	7' 4 1/4"	6' 7 1/4"	7' 6"
6' 6"	6' 4"	6' 8 1/2"	6' 3"	6' 9 1/2"	6' 1 3/4"	6' 11"
6'	5' 10 1/4"	6' 2 1/4"	5' 9 1/2"	6' 3"	5' 8 1/2"	6' 4 1/4"
5' 6"	5' 4 1/2"	5' 7 3/4"	5' 4"	5' 8 1/2"	5' 3"	5' 9 1/2"
5'	4' 10 3/4"	5' 1 1/2"	4' 10 1/4"	5' 2"	4' 9 1/2"	5' 2 3/4"
4' 9"	4' 8"	4' 10 1/4"	4' 7 1/2"	4' 10 3/4"	4' 6 3/4"	4' 11 1/2"
4' 6"	4' 5"	4' 7 1/4"	4' 4 3/4"	4' 7 1/2"	4' 4"	4' 8 1/4"
4' 3"	4' 2 1/4"	4' 4"	4' 1 3/4"	4' 4 1/2"	4' 1 1/4"	4' 5"
4'	3' 11 1/4"	4' 1"	3' 11"	4' 1 1/4"	3' 10 1/2"	4' 1 3/4"
3' 9"	3' 8 1/4"	3' 9 3/4"	3' 8"	3' 10"	3' 7 3/4"	3' 10 1/2"
3' 6"	3' 5 1/2"	3' 6 3/4"	3' 5 1/4"	3' 7"	3' 5"	3' 7 1/4"
3' 3"	3' 2 1/2"	3' 3 1/2"	3' 2 1/4"	3' 3 3/4"	3' 2"	3' 4"
3'	2' 11 1/2"	3' 1/2"	2' 11 1/2"	3' 3/4"	2' 11 1/4"	3' 1"
2' 9"	2' 8 3/4"	2' 9 1/2"	2' 8 1/2"	2' 9 1/2"	2' 8 1/4"	2' 9 3/4"

Depth of field tables



MASTER PRIME Sonar 75/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	68' 11" feet		49' 3" feet		36' 1" feet	
	from	to	from	to	from	to
feet						
INF	73' 1"	INF	51' 4 3/4"	INF	36' 4 1/4"	INF
120'	45' 7"	INF	36' 1 1/2"	INF	28' 1/4"	INF
60'	33' 1 1/2"	456' 7"	27' 10 1/4"	INF	22' 9 1/2"	INF
40'	26'	94' 3 1/2"	22' 8"	211' 3"	19' 2 1/2"	INF
30'	21' 5"	52' 6 3/4"	19' 1 1/4"	75' 10 1/4"	16' 7 1/4"	207' 8 1/2"
25'	18' 9"	38' 10"	16' 11 1/2"	50' 1 3/4"	14' 11 3/4"	86' 1 1/2"
20'	15' 9 3/4"	27' 10 3/4"	14' 6 1/2"	33' 3"	13' 3/4"	45' 10 1/4"
17'	13' 10 3/4"	22' 4"	12' 10 3/4"	25' 7 1/2"	11' 8 3/4"	32' 5 1/2"
15'	12' 6 1/2"	18' 11 3/4"	11' 8 3/4"	21' 3 1/2"	10' 9"	25' 9 1/4"
13'	11' 1 1/2"	15' 10 1/4"	10' 5 3/4"	17' 5 1/4"	9' 8 1/2"	20' 3 1/2"
12'	10' 4 3/4"	14' 4 3/4"	9' 10"	15' 7 3/4"	9' 1 3/4"	17' 11"
11'	9' 7 3/4"	12' 11 1/2"	9' 2"	13' 11 3/4"	8' 6 3/4"	15' 9"
10'	8' 10 1/2"	11' 7"	8' 5 1/2"	12' 4 1/2"	7' 11 1/2"	13' 9"
9'	8' 1"	10' 3"	7' 9"	10' 10 1/2"	7' 3 3/4"	11' 10 3/4"
8' 6"	7' 8"	9' 7 1/4"	7' 4 1/2"	10' 1 3/4"	7'	11' 1/4"
8'	7' 3 1/4"	8' 11 1/2"	7'	9' 5"	6' 8"	10' 2 1/4"
7' 6"	6' 10 1/4"	8' 4"	6' 7 1/2"	8' 8 3/4"	6' 3 3/4"	9' 4 1/2"
7'	6' 5 1/4"	7' 8 1/2"	6' 2 3/4"	8' 1/2"	5' 11 1/2"	8' 7"
6' 6"	6' 1/4"	7' 1 1/4"	5' 10"	7' 4 3/4"	5' 7 1/4"	7' 10"
6'	5' 7"	6' 6"	5' 5 1/4"	6' 9"	5' 2 3/4"	7' 1 1/4"
5' 6"	5' 2"	5' 11"	5' 1/4"	6' 1 1/4"	4' 10 1/4"	6' 4 3/4"
5'	4' 8 3/4"	5' 4"	4' 7 1/4"	5' 6"	4' 5 1/2"	5' 8 3/4"
4' 9"	4' 6"	5' 3/4"	4' 4 3/4"	5' 2 1/4"	4' 3 1/4"	5' 4 3/4"
4' 6"	4' 3 1/4"	4' 9 1/4"	4' 2 1/4"	4' 10 3/4"	4' 3/4"	5' 3/4"
4' 3"	4' 1/2"	4' 5 3/4"	3' 11 3/4"	4' 7"	3' 10 1/2"	4' 9"
4'	3' 10"	4' 2 1/2"	3' 9"	4' 3 1/2"	3' 8"	4' 5 1/4"
3' 9"	3' 7 1/4"	3' 11 1/4"	3' 6 1/2"	4'	3' 5 1/2"	4' 1 1/2"
3' 6"	3' 4 1/2"	3' 7 3/4"	3' 3 3/4"	3' 8 1/2"	3' 3"	3' 9 3/4"
3' 3"	3' 1 3/4"	3' 4 1/2"	3' 1"	3' 5 1/4"	3' 1/2"	3' 6 1/4"
3'	2' 11"	3' 1 1/4"	2' 10 1/2"	3' 1 3/4"	2' 9 3/4"	3' 2 3/4"
2' 9"	2' 8"	2' 10"	2' 7 3/4"	2' 10 1/2"	2' 7 1/4"	2' 11 1/4"

Depth of field tables



MASTER PRIME Sonar 100/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	1148' feet		591' feet		427' feet	
	from	to	from	to	from	to
feet						
INF	1148' 11"	INF	861'	INF	566' 10 1/4"	INF
120'	108' 7 3/4"	134'	105' 3 3/4"	151' 1/2"	99' 1/4"	167' 11 1/4"
60'	57' 1/4"	63' 3 3/4"	56' 1"	66' 10 1/2"	54' 3"	69' 11 3/4"
40'	38' 7 3/4"	41' 5 1/4"	38' 2 3/4"	42' 11 1/4"	37' 4 1/4"	44' 2 1/2"
30'	29' 2 3/4"	30' 9 3/4"	28' 11 3/4"	31' 7 1/2"	28' 6"	32' 3 1/2"
25'	24' 5 1/2"	25' 6 3/4"	24' 3 1/2"	26' 1 1/4"	23' 11 1/4"	26' 7"
20'	19' 7 3/4"	20' 4 1/4"	19' 6 1/2"	20' 8 1/2"	19' 3 3/4"	21'
17'	16' 9"	17' 3"	16' 8"	17' 6"	16' 6"	17' 8 1/2"
15'	14' 9 3/4"	15' 2 1/2"	14' 9"	15' 4 3/4"	14' 7 1/4"	15' 6 1/2"
13'	12' 10 1/4"	13' 1 3/4"	12' 9 3/4"	13' 3 1/2"	12' 8 1/2"	13' 5"
12'	11' 10 1/2"	12' 1 1/2"	11' 10"	12' 3"	11' 9"	12' 4 1/4"
11'	10' 10 3/4"	11' 1 1/4"	10' 10 1/4"	11' 2 1/2"	10' 9 1/2"	11' 3 1/2"
10'	9' 11"	10' 1"	9' 10 1/2"	10' 2"	9' 10"	10' 3"
9'	8' 11 1/4"	9' 1"	8' 11"	9' 1 3/4"	8' 10 1/4"	9' 2 1/4"
8' 6"	8' 5 1/4"	8' 6 3/4"	8' 5"	8' 7 1/2"	8' 4 1/2"	8' 8"
8'	7' 11 1/4"	8' 3/4"	7' 11"	8' 1 1/4"	7' 10 3/4"	8' 1 3/4"
7' 6"	7' 5 1/2"	7' 6 1/2"	7' 5 1/4"	7' 7 1/4"	7' 4 3/4"	7' 7 1/2"
7'	6' 11 1/2"	7' 1/2"	6' 11 1/4"	7' 1"	6' 11"	7' 1 1/2"
6' 6"	6' 5 1/2"	6' 6 1/2"	6' 5 1/2"	6' 6 3/4"	6' 5 1/4"	6' 7 1/4"
6'	5' 11 1/2"	6' 1/2"	5' 11 1/2"	6' 3/4"	5' 11 1/4"	6' 1"
5' 6"	5' 5 3/4"	5' 6 1/4"	5' 5 1/2"	5' 6 1/2"	5' 5 1/2"	5' 6 3/4"
5'	4' 11 3/4"	5' 1/4"	4' 11 3/4"	5' 1/2"	4' 11 1/2"	5' 3/4"
4' 9"	4' 8 3/4"	4' 9 1/4"	4' 8 3/4"	4' 9 1/2"	4' 8 1/2"	4' 9 1/2"
4' 6"	4' 5 3/4"	4' 6 1/4"	4' 5 3/4"	4' 6 1/2"	4' 5 1/2"	4' 6 1/2"
4' 3"	4' 2 3/4"	4' 3 1/4"	4' 2 3/4"	4' 3 1/4"	4' 2 3/4"	4' 3 1/2"
4'	3' 11 3/4"	4' 1/4"	3' 11 3/4"	4' 1/4"	3' 11 3/4"	4' 1/2"
3' 9"	3' 8 3/4"	3' 9 1/4"	3' 8 3/4"	3' 9 1/4"	3' 8 3/4"	3' 9 1/4"
3' 6"	3' 5 3/4"	3' 6 1/4"	3' 5 3/4"	3' 6 1/4"	3' 5 3/4"	3' 6 1/4"

Depth of field tables



MASTER PRIME Sonar 100/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	311' 8" feet		223' 1" feet		160' 9" feet	
	from	to	from	to	from	to
feet						
INF	369' 4"	INF	253' 4 3/4"	INF	174' 9 1/2"	INF
120'	90' 6 3/4"	194' 11"	81' 5 1/4"	257' 5 1/4"	71' 1 3/4"	463' 7 1/4"
60'	51' 7 1/4"	74' 3 1/4"	48' 6 1/4"	81' 10"	44' 8"	95' 3 3/4"
40'	36' 1"	45' 10 1/2"	34' 6 1/2"	48' 7 3/4"	32' 6 1/2"	53' 1 1/4"
30'	27' 9"	33' 2 1/4"	26' 10"	34' 7 1/4"	25' 7 1/4"	36' 9 3/4"
25'	23' 5"	27' 2"	22' 9"	28' 1 1/2"	21' 10 1/2"	29' 6 3/4"
20'	18' 11 3/4"	21' 4 1/4"	18' 6 1/2"	21' 11 1/4"	17' 11 1/2"	22' 9 3/4"
17'	16' 3"	17' 11 3/4"	15' 11 1/4"	18' 4 1/2"	15' 6"	18' 11 3/4"
15'	14' 5"	15' 9"	14' 2"	16' 3/4"	13' 9 3/4"	16' 6 1/4"
13'	12' 6 3/4"	13' 6 3/4"	12' 4 1/2"	13' 9 1/2"	12' 1 1/4"	14' 1 1/2"
12'	11' 7 1/2"	12' 5 3/4"	11' 5 1/2"	12' 8"	11' 2 3/4"	12' 11 1/2"
11'	10' 8 1/4"	11' 4 3/4"	10' 6 1/2"	11' 6 3/4"	10' 4 1/4"	11' 9 1/2"
10'	9' 8 3/4"	10' 4"	9' 7 1/2"	10' 5 1/2"	9' 5 1/2"	10' 7 3/4"
9'	8' 9 1/2"	9' 3 1/4"	8' 8 1/4"	9' 4 1/2"	8' 6 3/4"	9' 6 1/4"
8' 6"	8' 3 3/4"	8' 8 3/4"	8' 2 3/4"	8' 10"	8' 1 1/4"	8' 11 1/2"
8'	7' 10"	8' 2 1/2"	7' 9"	8' 3 1/2"	7' 7 3/4"	8' 5"
7' 6"	7' 4 1/4"	7' 8 1/4"	7' 3 1/2"	7' 9"	7' 2 1/4"	7' 10 1/4"
7'	6' 10 1/2"	7' 1 3/4"	6' 9 3/4"	7' 2 3/4"	6' 8 3/4"	7' 3 3/4"
6' 6"	6' 4 3/4"	6' 7 1/2"	6' 4"	6' 8 1/4"	6' 3 1/4"	6' 9 1/4"
6'	5' 11"	6' 1 1/4"	5' 10 1/2"	6' 2"	5' 9 3/4"	6' 2 3/4"
5' 6"	5' 5"	5' 7 1/4"	5' 4 3/4"	5' 7 1/2"	5' 4"	5' 8 1/4"
5'	4' 11 1/4"	5' 1"	4' 11"	5' 1 1/4"	4' 10 1/2"	5' 1 3/4"
4' 9"	4' 8 1/4"	4' 9 3/4"	4' 8"	4' 10 1/4"	4' 7 1/2"	4' 10 3/4"
4' 6"	4' 5 1/2"	4' 6 3/4"	4' 5"	4' 7"	4' 4 3/4"	4' 7 1/2"
4' 3"	4' 2 1/2"	4' 3 3/4"	4' 2 1/4"	4' 4"	4' 1 3/4"	4' 4 1/4"
4'	3' 11 1/2"	4' 1/2"	3' 11 1/4"	4' 3/4"	3' 11"	4' 1"
3' 9"	3' 8 1/2"	3' 9 1/2"	3' 8 1/2"	3' 9 3/4"	3' 8 1/4"	3' 10"
3' 6"	3' 5 3/4"	3' 6 1/2"	3' 5 1/2"	3' 6 1/2"	3' 5 1/4"	3' 6 3/4"

Depth of field tables



MASTER PRIME Sonar 100/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	114' 10" feet		82' feet		59' 1" feet	
	from	to	from	to	from	to
feet						
INF	122' 2 3/4"	INF	85' 10 1/4"	INF	60' 7"	INF
120'	60' 6 3/4"	INF	50' 1/2"	INF	40' 3 1/4"	INF
60'	40' 3"	124' 11"	35' 3 3/4"	223' 1/2"	30' 1 3/4"	INF
40'	30' 1 3/4"	61' 2 1/4"	27' 3 1/2"	78'	24' 1 1/4"	128' 3 1/4"
30'	24' 1"	40' 6 1/4"	22' 2 3/4"	47' 3"	20' 1"	61' 11 1/2"
25'	20' 9"	31' 10 3/4"	19' 4 1/2"	35' 11"	17' 8 1/2"	43' 10"
20'	17' 2 1/4"	24' 2"	16' 2 3/4"	26' 5"	15' 1/2"	30' 5 1/2"
17'	14' 11 1/4"	19' 11"	14' 2 1/2"	21' 5"	13' 3 1/2"	24'
15'	13' 4 1/2"	17' 2 3/4"	12' 9 1/4"	18' 4"	12' 1/2"	20' 2 1/4"
13'	11' 9"	14' 7 3/4"	11' 3 1/2"	15' 5 1/4"	10' 8 1/2"	16' 8 1/2"
12'	10' 11 1/4"	13' 4 1/2"	10' 6 1/2"	14' 1/2"	10' 1/4"	15' 1"
11'	10' 1 1/4"	12' 1 3/4"	9' 9 1/4"	12' 8 1/4"	9' 4"	13' 6 1/2"
10'	9' 3"	10' 11 1/4"	8' 11 1/2"	11' 4 1/2"	8' 7 1/4"	12' 1/2"
9'	8' 4 3/4"	9' 9"	8' 2"	10' 1"	7' 10 1/4"	10' 7 1/2"
8' 6"	7' 11 1/2"	9' 2"	7' 9"	9' 5 1/2"	7' 5 3/4"	9' 11 1/4"
8'	7' 6 1/4"	8' 7"	7' 4"	8' 10 1/4"	7' 1"	9' 3"
7' 6"	7' 1"	8'	6' 11"	8' 2 3/4"	6' 8 1/4"	8' 7"
7'	6' 7 1/2"	7' 5 1/4"	6' 5 3/4"	7' 7 3/4"	6' 3 1/2"	7' 11 1/4"
6' 6"	6' 2 1/4"	6' 10 1/2"	6' 3/4"	7' 1/2"	5' 10 3/4"	7' 3 1/2"
6'	5' 8 3/4"	6' 3 3/4"	5' 7 1/2"	6' 5 1/2"	5' 5 3/4"	6' 8"
5' 6"	5' 3 1/4"	5' 9 1/4"	5' 2 1/4"	5' 10 1/2"	5' 3/4"	6' 1/2"
5'	4' 9 3/4"	5' 2 1/2"	4' 8 3/4"	5' 3 3/4"	4' 7 1/2"	5' 5 1/4"
4' 9"	4' 7"	4' 11 1/4"	4' 6 1/4"	5' 1/4"	4' 5"	5' 1 3/4"
4' 6"	4' 4 1/4"	4' 8"	4' 3 1/2"	4' 9"	4' 2 1/2"	4' 10 1/4"
4' 3"	4' 1 1/2"	4' 4 3/4"	4' 3/4"	4' 5 1/2"	3' 11 3/4"	4' 6 3/4"
4'	3' 10 1/2"	4' 1 1/2"	3' 10"	4' 2 1/4"	3' 9 1/4"	4' 3 1/4"
3' 9"	3' 7 3/4"	3' 10 1/2"	3' 7 1/4"	3' 11"	3' 6 1/2"	3' 11 3/4"
3' 6"	3' 5"	3' 7 1/4"	3' 4 1/2"	3' 7 3/4"	3' 4"	3' 8 1/2"

Depth of field tables



MASTER PRIME Sonar 135/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
	2001' feet		1017' feet		689' feet	
hyperfocal distance	from	to	from	to	from	to
feet						
INF	2011' 2 3/4"	INF	1460' 2"	INF	1058' 4 3/4"	INF
240'	214' 3 3/4"	272' 8 1/4"	205' 11 3/4"	312' 5 1/2"	195' 5 3/4"	366' 3 1/4"
120'	113' 2 1/4"	127' 8 1/4"	110' 9 3/4"	135' 9 1/2"	107' 8 1/4"	145' 1"
80'	76' 10 3/4"	83' 4 1/4"	75' 9 1/2"	86' 9"	74' 3 3/4"	90' 5 1/2"
60'	58' 2 3/4"	61' 10 1/2"	57' 7"	63' 8 3/4"	56' 8 3/4"	65' 8 1/2"
40'	39' 2 1/4"	40' 10"	38' 11"	41' 7 1/2"	38' 6"	42' 5 3/4"
30'	29' 6 1/2"	30' 5 3/4"	29' 4 1/2"	30' 11"	29' 1 3/4"	31' 4 1/2"
25'	24' 8 1/4"	25' 4"	24' 6 3/4"	25' 7 1/2"	24' 4 3/4"	25' 11 1/2"
22'	21' 9"	22' 3"	21' 8"	22' 6"	21' 6 1/2"	22' 8 3/4"
20'	19' 9 1/2"	20' 2 1/2"	19' 8 1/2"	20' 4 3/4"	19' 7 1/4"	20' 7 1/4"
18'	17' 10"	18' 2"	17' 9 1/4"	18' 4"	17' 8 1/4"	18' 6"
16'	15' 10 1/4"	16' 1 3/4"	15' 9 3/4"	16' 3"	15' 9"	16' 4 3/4"
14'	13' 10 3/4"	14' 1 1/4"	13' 10 1/4"	14' 2 1/2"	13' 9 3/4"	14' 3 1/2"
13'	12' 11"	13' 1"	12' 10 1/2"	13' 2"	12' 10"	13' 3"
12'	11' 11"	12' 1"	11' 10 3/4"	12' 1 3/4"	11' 10 1/4"	12' 2 3/4"
11'	10' 11 1/4"	11' 3/4"	10' 11"	11' 1 1/2"	10' 10 1/2"	11' 2 1/4"
10'	9' 11 1/4"	10' 3/4"	9' 11"	10' 1 1/4"	9' 10 3/4"	10' 1 3/4"
9' 6"	9' 5 1/2"	9' 6 1/2"	9' 5 1/4"	9' 7"	9' 5"	9' 7 3/4"
9'	8' 11 1/2"	9' 1/2"	8' 11 1/4"	9' 1"	8' 11"	9' 1 1/2"
8' 6"	8' 5 1/2"	8' 6 1/2"	8' 5 1/4"	8' 7"	8' 5"	8' 7 1/4"
8'	7' 11 1/2"	8' 1/2"	7' 11 1/2"	8' 3/4"	7' 11 1/4"	8' 1 1/4"
7' 6"	7' 5 1/2"	7' 6 1/2"	7' 5 1/2"	7' 6 3/4"	7' 5 1/4"	7' 7"
7'	6' 11 3/4"	7' 1/4"	6' 11 1/2"	7' 1/2"	6' 11 1/2"	7' 1"
6' 6"	6' 5 3/4"	6' 6 1/4"	6' 5 1/2"	6' 6 1/2"	6' 5 1/2"	6' 6 3/4"
6' 3"	6' 2 3/4"	6' 3 1/4"	6' 2 3/4"	6' 3 1/2"	6' 2 1/2"	6' 3 3/4"
6'	5' 11 3/4"	6' 1/4"	5' 11 3/4"	6' 1/2"	5' 11 1/2"	6' 3/4"
5' 9"	5' 8 3/4"	5' 9 1/4"	5' 8 3/4"	5' 9 1/2"	5' 8 1/2"	5' 9 1/2"
5' 6"	5' 5 3/4"	5' 6 1/4"	5' 5 3/4"	5' 6 1/4"	5' 5 1/2"	5' 6 1/2"
5' 3"	5' 2 3/4"	5' 3 1/4"	5' 2 3/4"	5' 3 1/4"	5' 2 3/4"	5' 3 1/2"
5'	4' 11 3/4"	5' 1/4"	4' 11 3/4"	5' 1/4"	4' 11 3/4"	5' 1/2"
4' 9"	4' 8 3/4"	4' 9 1/4"	4' 8 3/4"	4' 9 1/4"	4' 8 3/4"	4' 9 1/2"
4' 6"	4' 5 3/4"	4' 6 1/4"	4' 5 3/4"	4' 6 1/4"	4' 5 3/4"	4' 6 1/4"
4' 3"	4' 2 3/4"	4' 3 1/4"	4' 2 3/4"	4' 3 1/4"	4' 2 3/4"	4' 3 1/4"
4'	4'	4'	3' 11 3/4"	4' 1/4"	3' 11 3/4"	4' 1/4"
3' 9"	3' 9"	3' 9"	3' 8 3/4"	3' 9 1/4"	3' 8 3/4"	3' 9 1/4"
3' 6"	3' 6"	3' 6"	3' 6"	3' 6 1/4"	3' 5 3/4"	3' 6 1/4"
3' 3"	3' 3"	3' 3"	3' 3"	3' 3 1/4"	3' 2 3/4"	3' 3 1/4"

Depth of field tables



MASTER PRIME Sonar 135/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	492' feet		361' feet		265' 9" feet	
feet	from	to	from	to	from	to
INF	714' 3"	INF	481' 4"	INF	326' 5 1/2"	INF
240'	179' 5 1/4"	INF	159' 11"	INF	138' 1"	INF
120'	102' 7 1/4"	158' 1/4"	95' 10 3/4"	179' 5 1/4"	87' 6 3/4"	220' 3 1/4"
80'	71' 10 1/4"	95' 4"	68' 5 3/4"	102' 9"	64' 1 1/4"	115' 1/4"
60'	55' 3 1/4"	68' 3 1/4"	53' 3"	72'	50' 6 3/4"	77' 9 3/4"
40'	37' 10"	43' 6 1/4"	36' 10 1/4"	45' 1/4"	35' 6 1/2"	47' 3"
30'	28' 9"	31' 11 1/2"	28' 2 1/4"	32' 9"	27' 5"	33' 11 1/4"
25'	24' 1 1/2"	26' 4 1/4"	23' 8 3/4"	26' 10 3/4"	23' 2"	27' 8 1/4"
22'	21' 3 3/4"	23' 1/2"	21'	23' 5 1/2"	20' 6 3/4"	24' 3/4"
20'	19' 5 1/4"	20' 10 1/4"	19' 2"	21' 2 1/2"	18' 9 1/2"	21' 8 1/4"
18'	17' 6 1/2"	18' 8 1/4"	17' 3 3/4"	18' 11 3/4"	17' 1/4"	19' 4 1/4"
16'	15' 7 1/2"	16' 6 1/2"	15' 5 1/2"	16' 9 1/4"	15' 2 1/2"	17' 3/4"
14'	13' 8 1/2"	14' 5"	13' 7"	14' 7"	13' 4 3/4"	14' 9 3/4"
13'	12' 9"	13' 4 1/4"	12' 7 3/4"	13' 6"	12' 5 3/4"	13' 8 1/2"
12'	11' 9 1/2"	12' 3 3/4"	11' 8 1/4"	12' 5 1/4"	11' 6 1/2"	12' 7 1/4"
11'	10' 9 3/4"	11' 3"	10' 8 3/4"	11' 4 1/4"	10' 7 1/2"	11' 6"
10'	9' 10 1/4"	10' 2 1/2"	9' 9 1/2"	10' 3 1/2"	9' 8 1/4"	10' 5"
9' 6"	9' 4 1/2"	9' 8 1/4"	9' 3 3/4"	9' 9 1/4"	9' 2 1/2"	9' 10 1/2"
9'	8' 10 1/2"	9' 2"	8' 9 3/4"	9' 3"	8' 9"	9' 4"
8' 6"	8' 4 3/4"	8' 7 3/4"	8' 4"	8' 8 1/2"	8' 3 1/4"	8' 9 1/2"
8'	7' 10 3/4"	8' 1 3/4"	7' 10 1/4"	8' 2 1/4"	7' 9 1/2"	8' 3 1/4"
7' 6"	7' 5"	7' 7 1/2"	7' 4 1/2"	7' 8"	7' 3 3/4"	7' 8 3/4"
7'	6' 11"	7' 1 1/4"	6' 10 3/4"	7' 1 3/4"	6' 10"	7' 2 1/2"
6' 6"	6' 5 1/4"	6' 7"	6' 4 3/4"	6' 7 1/2"	6' 4 1/4"	6' 8"
6' 3"	6' 2 1/4"	6' 4"	6' 2"	6' 4 1/2"	6' 1 1/2"	6' 5"
6'	5' 11 1/4"	6' 1"	5' 11"	6' 1 1/4"	5' 10 1/2"	6' 1 3/4"
5' 9"	5' 8 1/2"	5' 9 3/4"	5' 8"	5' 10 1/4"	5' 7 3/4"	5' 10 3/4"
5' 6"	5' 5 1/2"	5' 6 3/4"	5' 5 1/4"	5' 7"	5' 4 3/4"	5' 7 1/2"
5' 3"	5' 2 1/2"	5' 3 3/4"	5' 2 1/4"	5' 4"	5' 2"	5' 4 1/4"
5'	4' 11 1/2"	5' 3/4"	4' 11 1/4"	5' 1"	4' 11"	5' 1 1/4"
4' 9"	4' 8 1/2"	4' 9 1/2"	4' 8 1/2"	4' 9 3/4"	4' 8"	4' 10"
4' 6"	4' 5 3/4"	4' 6 1/2"	4' 5 1/2"	4' 6 3/4"	4' 5 1/4"	4' 7"
4' 3"	4' 2 3/4"	4' 3 1/2"	4' 2 1/2"	4' 3 3/4"	4' 2 1/4"	4' 4"
4'	3' 11 3/4"	4' 1/2"	3' 11 1/2"	4' 1/2"	3' 11 1/4"	4' 3/4"
3' 9"	3' 8 3/4"	3' 9 1/4"	3' 8 1/2"	3' 9 1/2"	3' 8 1/2"	3' 9 3/4"
3' 6"	3' 5 3/4"	3' 6 1/4"	3' 5 3/4"	3' 6 1/2"	3' 5 1/2"	3' 6 1/2"
3' 3"	3' 2 3/4"	3' 3 1/4"	3' 2 3/4"	3' 3 1/4"	3' 2 1/2"	3' 3 1/2"

Depth of field tables



MASTER PRIME Sonar 135/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	190' 3" feet		137' 10" feet		98' 5" feet	
feet	from	to	from	to	from	to
INF	224' 2 1/4"	INF	155' 8 1/2"	INF	108' 8"	INF
240'	115' 8"	INF	94' 2 3/4"	INF	74' 7 1/4"	INF
120'	77' 11 1/2"	324' 1/2"	67' 6 1/2"	INF	56' 9 3/4"	INF
80'	58' 9 1/2"	138' 2 1/2"	52' 7 3/4"	193' 9 1/4"	45' 10 1/4"	INF
60'	47' 2 1/4"	87' 10"	43' 1 1/2"	107' 5 3/4"	38' 5 1/2"	157' 1/2"
40'	33' 10"	50' 9 1/2"	31' 8 1/4"	56' 10"	29' 3/4"	68' 3 3/4"
30'	26' 4 1/2"	35' 8 3/4"	25' 1/2"	38' 7 1/2"	23' 4 1/2"	43' 7 3/4"
25'	22' 5"	28' 10 1/2"	21' 5 1/4"	30' 9"	20' 2 1/2"	33' 10 1/4"
22'	19' 11 1/2"	24' 11 1/2"	19' 2 1/4"	26' 4 1/4"	18' 2 1/4"	28' 7 1/4"
20'	18' 3 1/2"	22' 5"	17' 7 3/4"	23' 6 1/2"	16' 9 1/2"	25' 4"
18'	16' 7 1/4"	19' 11 1/4"	16' 3/4"	20' 10"	15' 4 1/4"	22' 2 3/4"
16'	14' 10 3/4"	17' 6 1/4"	14' 5 1/4"	18' 2 1/2"	13' 10 1/2"	19' 3 1/4"
14'	13' 1 3/4"	15' 1 3/4"	12' 9 1/2"	15' 8"	12' 4"	16' 5 1/2"
13'	12' 3"	14'	11' 11 1/2"	14' 5 1/4"	11' 6 1/2"	15' 1"
12'	11' 4 1/4"	12' 10 1/4"	11' 1 1/4"	13' 2 1/2"	10' 9"	13' 9 1/4"
11'	10' 5 1/2"	11' 8 1/2"	10' 2 3/4"	12' 1/4"	9' 11 1/4"	12' 5 3/4"
10'	9' 6 1/2"	10' 7"	9' 4 1/4"	10' 10"	9' 1 1/4"	11' 2 1/2"
9' 6"	9' 1"	10' 1/4"	8' 11"	10' 3"	8' 8 1/4"	10' 7"
9'	8' 7 1/2"	9' 5 3/4"	8' 5 3/4"	9' 8"	8' 3 1/4"	9' 11 1/2"
8' 6"	8' 2"	8' 11"	8' 1/4"	9' 1 1/4"	7' 10 1/4"	9' 4 1/4"
8'	7' 8 1/2"	8' 4 1/2"	7' 7"	8' 6 1/4"	7' 5"	8' 9"
7' 6"	7' 2 3/4"	7' 10"	7' 1 1/2"	7' 11 1/2"	6' 11 3/4"	8' 2"
7'	6' 9 1/4"	7' 3 1/2"	6' 8"	7' 4 3/4"	6' 6 1/2"	7' 7"
6' 6"	6' 3 3/4"	6' 9"	6' 2 3/4"	6' 10 1/4"	6' 1 1/4"	7'
6' 3"	6' 3/4"	6' 5 3/4"	6'	6' 6 3/4"	5' 10 1/2"	6' 8 1/2"
6'	5' 10"	6' 2 1/2"	5' 9"	6' 3 1/2"	5' 8"	6' 5"
5' 9"	5' 7 1/4"	5' 11 1/4"	5' 6 1/4"	6' 1/4"	5' 5 1/4"	6' 1 1/2"
5' 6"	5' 4 1/4"	5' 8"	5' 3 1/2"	5' 9"	5' 2 1/2"	5' 10 1/4"
5' 3"	5' 1 1/2"	5' 5"	5' 3/4"	5' 5 3/4"	5'	5' 6 3/4"
5'	4' 10 1/2"	5' 1 3/4"	4' 10"	5' 2 1/2"	4' 9 1/4"	5' 3 1/2"
4' 9"	4' 7 3/4"	4' 10 1/2"	4' 7 1/4"	4' 11 1/4"	4' 6 1/2"	5'
4' 6"	4' 4 3/4"	4' 7 1/2"	4' 4 1/4"	4' 8"	4' 3 3/4"	4' 8 3/4"
4' 3"	4' 2"	4' 4 1/4"	4' 1 1/2"	4' 4 3/4"	4' 1"	4' 5 1/2"
4'	3' 11"	4' 1"	3' 10 3/4"	4' 1 1/2"	3' 10 1/4"	4' 2 1/4"
3' 9"	3' 8 1/4"	3' 10"	3' 7 3/4"	3' 10 1/4"	3' 7 1/2"	3' 11"
3' 6"	3' 5 1/4"	3' 6 3/4"	3' 5"	3' 7 1/4"	3' 4 1/2"	3' 7 3/4"
3' 3"	3' 2 1/2"	3' 3 3/4"	3' 2 1/4"	3' 4"	3' 1 3/4"	3' 4 1/2"

Depth of field tables



MASTER PRIME Sonar 150/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	1.3		2		2.8	
hyperfocal distance	2461' feet		1247' feet		853' feet	
	from	to	from	to	from	to
feet						
INF	2475' 3 3/4"	INF	1933' 9 1/4"	INF	1382' 3"	INF
240'	218' 8"	265' 11 1/2"	213' 4"	297' 4"	204' 3 1/4"	334' 11 1/4"
120'	114' 4 1/2"	126' 2 1/4"	112' 10 3/4"	132' 10 3/4"	110' 3 1/2"	139' 11 1/4"
80'	77' 5 1/2"	82' 8 3/4"	76' 9"	85' 6 3/4"	75' 6 1/2"	88' 5 1/2"
60'	58' 6 1/2"	61' 6 1/4"	58' 1 3/4"	63' 1"	57' 5 1/4"	64' 8"
40'	39' 4"	40' 8 1/4"	39' 1 3/4"	41' 4 1/2"	38' 10"	42' 1/2"
30'	29' 7 1/2"	30' 4 3/4"	29' 6 1/4"	30' 9 1/4"	29' 4"	31' 1 3/4"
25'	24' 8 3/4"	25' 3 1/4"	24' 8"	25' 6 1/2"	24' 6 1/4"	25' 9 1/2"
20'	19' 9 3/4"	20' 2 1/4"	19' 9 1/4"	20' 4 1/4"	19' 8 1/4"	20' 6 1/4"
17'	16' 10 1/2"	17' 1 1/2"	16' 10"	17' 3"	16' 9 1/4"	17' 4 1/2"
15'	14' 10 3/4"	15' 1 1/4"	14' 10 1/2"	15' 2 1/4"	14' 9 3/4"	15' 3 1/2"
13'	12' 11"	13' 1"	12' 10 3/4"	13' 1 3/4"	12' 10 1/2"	13' 2 3/4"
12'	11' 11 1/4"	12' 3/4"	11' 11"	12' 1 1/2"	11' 10 1/2"	12' 2 1/4"
11'	10' 11 1/4"	11' 3/4"	10' 11 1/4"	11' 1 1/4"	10' 10 3/4"	11' 2"
10'	9' 11 1/2"	10' 1/2"	9' 11 1/4"	10' 1"	9' 11"	10' 1 1/2"
9'	8' 11 1/2"	9' 1/2"	8' 11 1/2"	9' 3/4"	8' 11 1/4"	9' 1 1/4"
8' 6"	8' 5 1/2"	8' 6 1/2"	8' 5 1/2"	8' 6 3/4"	8' 5 1/4"	8' 7 1/4"
8'	7' 11 1/2"	8' 1/2"	7' 11 1/2"	8' 3/4"	7' 11 1/4"	8' 1"
7' 6"	7' 5 3/4"	7' 6 1/4"	7' 5 1/2"	7' 6 1/2"	7' 5 1/2"	7' 7"
7'	6' 11 3/4"	7' 1/4"	6' 11 3/4"	7' 1/2"	6' 11 1/2"	7' 3/4"
6' 6"	6' 5 3/4"	6' 6 1/4"	6' 5 3/4"	6' 6 1/2"	6' 5 1/2"	6' 6 3/4"
6' 3"	6' 2 3/4"	6' 3 1/4"	6' 2 3/4"	6' 3 1/2"	6' 2 1/2"	6' 3 3/4"
6'	5' 11 3/4"	6' 1/4"	5' 11 3/4"	6' 1/2"	5' 11 3/4"	6' 1/2"
5' 9"	5' 8 3/4"	5' 9 1/4"	5' 8 3/4"	5' 9 1/4"	5' 8 3/4"	5' 9 1/2"
5' 6"	5' 5 3/4"	5' 6 1/4"	5' 5 3/4"	5' 6 1/4"	5' 5 3/4"	5' 6 1/2"
5' 3"	5' 2 3/4"	5' 3 1/4"	5' 2 3/4"	5' 3 1/4"	5' 2 3/4"	5' 3 1/2"
5'	4' 11 3/4"	5' 1/4"	4' 11 3/4"	5' 1/4"	4' 11 3/4"	5' 1/2"

Depth of field tables



MASTER PRIME Sonar 150/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	4		5.6		8	
hyperfocal distance	623' feet		459' feet		328' feet	
feet	from	to	from	to	from	to
INF	886' 1 1/4"	INF	589' 1 1/2"	INF	402' 5"	INF
240'	188' 6 3/4"	INF	170' 2 1/4"	INF	149' 11 1/2"	INF
120'	105' 6"	148' 5 3/4"	99' 5 1/2"	162' 4 3/4"	92' 1 3/4"	187' 7 1/2"
80'	73' 3"	91' 9 3/4"	70' 3 1/4"	96' 11 3/4"	66' 6 1/4"	105' 6"
60'	56' 1 1/4"	66' 5 1/4"	54' 3 3/4"	69' 1 1/2"	52' 1/2"	73' 4 1/2"
40'	38' 2 1/2"	42' 9 1/2"	37' 4 1/4"	43' 10 3/4"	36' 3"	45' 7 1/4"
30'	28' 11 1/2"	31' 6 3/4"	28' 5 3/4"	32' 2"	27' 9 3/4"	33' 1"
25'	24' 3 1/4"	26' 1"	23' 11"	26' 6"	23' 5 1/2"	27' 1 1/2"
20'	19' 6 1/4"	20' 8 1/4"	19' 3 1/2"	20' 11 1/2"	18' 11 3/4"	21' 4 1/4"
17'	16' 7 3/4"	17' 6"	16' 5 3/4"	17' 8 1/4"	16' 3"	17' 11 3/4"
15'	14' 8 3/4"	15' 4 3/4"	14' 7 1/4"	15' 6 1/2"	14' 5"	15' 9"
13'	12' 9 1/2"	13' 3 1/2"	12' 8 1/4"	13' 5"	12' 6 3/4"	13' 6 3/4"
12'	11' 9 3/4"	12' 3"	11' 8 3/4"	12' 4 1/4"	11' 7 1/2"	12' 5 3/4"
11'	10' 10 1/4"	11' 2 1/2"	10' 9 1/4"	11' 3 1/2"	10' 8"	11' 5"
10'	9' 10 1/2"	10' 2 1/4"	9' 9 3/4"	10' 3"	9' 8 3/4"	10' 4"
9'	8' 10 3/4"	9' 1 3/4"	8' 10 1/4"	9' 2 1/2"	8' 9 1/4"	9' 3 1/4"
8' 6"	8' 5"	8' 7 1/2"	8' 4 1/4"	8' 8 1/4"	8' 3 1/2"	8' 9"
8'	7' 11"	8' 1 1/2"	7' 10 1/2"	8' 2"	7' 9 3/4"	8' 2 3/4"
7' 6"	7' 5"	7' 7 1/4"	7' 4 3/4"	7' 7 3/4"	7' 4"	7' 8 1/4"
7'	6' 11 1/4"	7' 1"	6' 10 3/4"	7' 1 1/2"	6' 10 1/4"	7' 2"
6' 6"	6' 5 1/4"	6' 7"	6' 5"	6' 7 1/4"	6' 4 1/2"	6' 7 3/4"
6' 3"	6' 2 1/2"	6' 3 3/4"	6' 2"	6' 4 1/4"	6' 1 3/4"	6' 4 3/4"
6'	5' 11 1/2"	6' 3/4"	5' 11 1/4"	6' 1"	5' 10 3/4"	6' 1 1/2"
5' 9"	5' 8 1/2"	5' 9 3/4"	5' 8 1/4"	5' 10"	5' 7 3/4"	5' 10 1/2"
5' 6"	5' 5 1/2"	5' 6 3/4"	5' 5 1/4"	5' 7"	5' 5"	5' 7 1/4"
5' 3"	5' 2 1/2"	5' 3 1/2"	5' 2 1/4"	5' 3 3/4"	5' 2"	5' 4 1/4"
5'	4' 11 1/2"	5' 1/2"	4' 11 1/2"	5' 3/4"	4' 11 1/4"	5' 1"

Depth of field tables



MASTER PRIME Sonar 150/T1.3 T*XP

circle of confusion: 0.025 mm

Engraving	T-Stop					
	11		16		22	
hyperfocal distance	239' 6" feet		170' 7" feet		121' 5" feet	
	from	to	from	to	from	to
feet						
INF	278' 8 1/4"	INF	194' 5"	INF	136' 8 1/4"	INF
240'	128' 6 3/4"	INF	107' 1/4"	INF	86' 8 3/4"	INF
120'	83' 6 1/2"	240' 10 3/4"	73' 10"	INF	63' 6 1/4"	INF
80'	61' 10 3/4"	120' 7"	56' 4 1/4"	151' 2 1/4"	50' 1 1/4"	237' 4 1/2"
60'	49' 1 3/4"	80' 5"	45' 7"	93' 1/2"	41' 4 1/2"	120' 1/4"
40'	34' 9 3/4"	48' 3"	32' 11 1/2"	52' 7"	30' 8 1/4"	60' 4"
30'	26' 11 1/2"	34' 5 1/2"	25' 9 3/4"	36' 7 3/4"	24' 4 3/4"	40' 3 1/2"
25'	22' 10"	28' 3/4"	22'	29' 6"	20' 11 1/2"	31' 10"
20'	18' 7"	21' 11 1/4"	18' 1/4"	22' 9 3/4"	17' 3 1/2"	24' 2 1/2"
17'	15' 11 1/2"	18' 4 3/4"	15' 6 1/2"	19'	14' 11 3/4"	19' 11 3/4"
15'	14' 2"	16' 1"	13' 10"	16' 6 3/4"	13' 4 3/4"	17' 3 1/2"
13'	12' 4 1/2"	13' 9 3/4"	12' 1 1/4"	14' 2"	11' 9 1/4"	14' 8 1/2"
12'	11' 5 1/2"	12' 8 1/4"	11' 2 3/4"	13'	10' 11 1/4"	13' 5 1/4"
11'	10' 6 1/2"	11' 7"	10' 4 1/4"	11' 10"	10' 1 1/4"	12' 2 1/2"
10'	9' 7 1/4"	10' 5 3/4"	9' 5 1/2"	10' 8 1/4"	9' 3"	11'
9'	8' 8 1/4"	9' 4 3/4"	8' 6 3/4"	9' 6 3/4"	8' 4 1/2"	9' 9 3/4"
8' 6"	8' 2 1/2"	8' 10 1/4"	8' 1 1/4"	9'	7' 11 1/4"	9' 2 3/4"
8'	7' 9"	8' 3 3/4"	7' 7 3/4"	8' 5 1/4"	7' 6"	8' 7 3/4"
7' 6"	7' 3 1/4"	7' 9 1/4"	7' 2 1/4"	7' 10 3/4"	7' 3/4"	8' 3/4"
7'	6' 9 3/4"	7' 2 3/4"	6' 8 3/4"	7' 4"	6' 7 1/4"	7' 5 3/4"
6' 6"	6' 4"	6' 8 1/2"	6' 3"	6' 9 1/2"	6' 2"	6' 11"
6' 3"	6' 1"	6' 5 1/4"	6' 1/4"	6' 6 1/4"	5' 11 1/4"	6' 7 3/4"
6'	5' 10 1/4"	6' 2"	5' 9 1/2"	6' 3"	5' 8 1/2"	6' 4 1/4"
5' 9"	5' 7 1/4"	5' 11"	5' 6 3/4"	5' 11 3/4"	5' 5 3/4"	6' 1"
5' 6"	5' 4 1/2"	5' 7 3/4"	5' 4"	5' 8 1/2"	5' 3"	5' 9 1/2"
5' 3"	5' 1 3/4"	5' 4 3/4"	5' 1"	5' 5 1/4"	5' 1/4"	5' 6 1/4"
5'	4' 10 3/4"	5' 1 1/2"	4' 10 1/4"	5' 2"	4' 9 1/2"	5' 3"