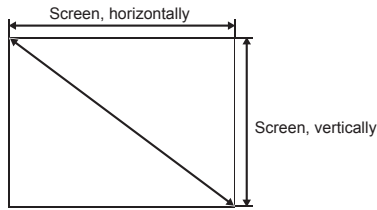
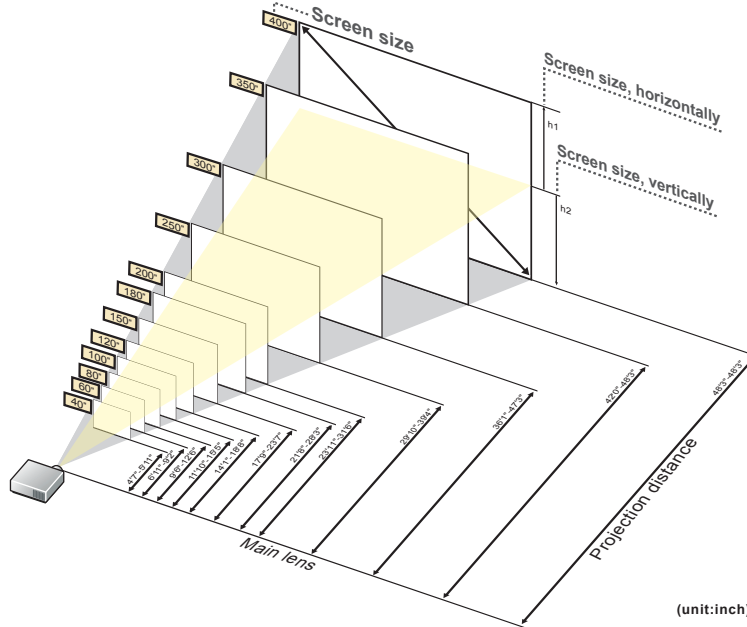


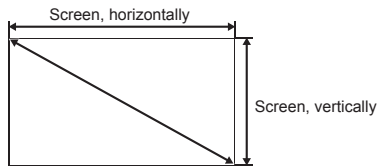
This is the throw distance ratio when the screen size is 100. Since design values are used, there will be some disparity.



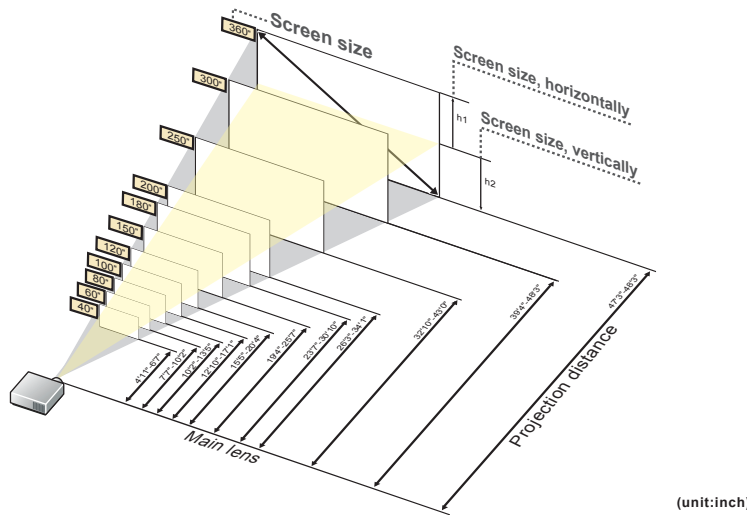
[For the 4:3 ratio]



4:3											
Screen size	inch			31"	40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	inch			21"	28"	34"	40"	48"	54"	60"	68"
Screen size, vertically	inch			17"	20"	26"	30"	36"	40"	46"	50"
Projection distance (Shortest to longest)	inch			47"-47"	47"-511"	511"-77"	611"-92"	82"-1010"	96"-126"	106"-141"	1110"-155"
h1=h2	inch			9.3"	10.0"	13.0"	16.0"	19.0"	20.0"	23.0"	26.0"
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	inch	74"	80"	88"	94"	100"	108"	114"	120"	128"	134"
Screen size, vertically	inch	56"	60"	66"	70"	76"	80"	86"	90"	96"	100"
Projection distance (Shortest to longest)	inch	13'1"-17'1"	14'1"-18'8"	15'5"-20'4"	16'9"-22'0"	17'9"-23'7"	19'0"-24'11"	20'4"-26'7"	21'8"-28'3"	22'8"-29'10"	23'11"-31'6"
h1=h2	inch	2'9.0"	3'0.0"	3'3.0"	3'6.0"	3'9.0"	4'0.0"	4'3.0"	4'6.0"	4'9.0"	5'0.0"
Screen size	inch	210"	220"	230"	240"	250"	260"	270"	280"	290"	300"
Screen size, horizontally	inch	140"	148"	154"	160"	168"	174"	180"	188"	194"	200"
Screen size, vertically	inch	106"	110"	116"	120"	126"	130"	136"	140"	146"	150"
Projection distance (Shortest to longest)	inch	25'3"-33'2"	26'3"-34'5"	27'7"-36'1"	28'10"-37'9"	29'10"-39'4"	31'2"-41'0"	32'6"-42'8"	33'6"-44'0"	34'9"-45'7"	36'1"-47'3"
h1=h2	inch	5'3.0"	5'6.0"	5'9.0"	6'0.0"	6'3.0"	6'6.0"	6'9.0"	7'0.0"	7'3.0"	7'6.0"
Screen size	inch	310"	320"	330"	340"	350"	360"	370"	380"	390"	400"
Screen size, horizontally	inch	20'8"	21'4"	22'0"	22'8"	23'4"	24'0"	24'8"	25'4"	26'0"	26'8"
Screen size, vertically	inch	15'6"	16'0"	16'6"	17'0"	17'6"	18'0"	18'6"	19'0"	19'6"	20'0"
Projection distance (Shortest to longest)	inch	37'5"-48'3"	38'5"-48'3"	39'8"-48'3"	41'0"-48'3"	42'0"-48'3"	43'4"-48'3"	44'7"-48'3"	45'7"-48'3"	46'11"-48'3"	48'3"-48'3"
h1=h2	inch	7'9.0"	8'0.0"	8'3.0"	8'6.0"	8'9.0"	9'0.0"	9'3.0"	9'6.0"	9'9.0"	10'0.0"



[For the 16:9 ratio]



16:9											
Screen size	inch			31"	40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	inch			22"	211"	38"	44"	51"	510"	66"	73"
Screen size, vertically	inch			13"	18"	25"	25"	210"	33"	38"	41"
Projection distance (Shortest to longest)	inch			47"-411"	411"-67"	63"-82"	77"-102"	810"-1110"	102"-135"	116"-151"	1210"-171"
h1=h2	inch			7.4"	9.8"	10.3"	12.7"	15.2"	17.6"	110.1"	20.5"
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	inch	80"	89"	95"	102"	1011"	118"	124"	131"	1310"	146"
Screen size, vertically	inch	46"	411"	54"	59"	62"	66"	611"	74"	79"	82"
Projection distance (Shortest to longest)	inch	14'1"-18'8"	15'5"-20'4"	16'9"-22'4"	18'1"-23'11"	19'4"-25'7"	20'8"-27'3"	22'0"-29'2"	23'7"-30'10"	24'11"-32'6"	26'3"-34'1"
h1=h2	inch	2'3.0"	2'5.4"	2'7.9"	2'10.3"	3'0.8"	3'3.2"	3'5.7"	3'8.1"	3'10.6"	4'1.0"
Screen size	inch	210"	220"	230"	240"	250"	260"	270"	280"	290"	300"
Screen size, horizontally	inch	153"	160"	169"	175"	182"	1811"	197"	204"	211"	2110"
Screen size, vertically	inch	87"	90"	95"	910"	103"	108"	110"	115"	1110"	123"
Projection distance (Shortest to longest)	inch	27'7"-36'1"	28'10"-37'9"	30'2"-39'4"	31'6"-41'0"	32'10"-43'0"	34'1"-44'7"	35'5"-46'3"	36'9"-48'3"	38'1"-48'3"	39'4"-48'3"
h1=h2	inch	4'3.5"	4'5.9"	4'8.4"	4'10.8"	5'1.3"	5'3.7"	5'6.2"	5'8.6"	5'11.1"	6'1.5"
Screen size	inch	310"	320"	330"	340"	350"	360"				
Screen size, horizontally	inch	22'6"	23'3"	24'0"	24'8"	25'5"	26'2"				
Screen size, vertically	inch	12'8"	13'1"	13'6"	13'11"	14'4"	14'9"				
Projection distance (Shortest to longest)	inch	40'8"-48'3"	42'0"-48'3"	43'4"-48'3"	44'7"-48'3"	45'11"-48'3"	47'3"-48'3"				
h1=h2	inch	6'4.0"	6'6.4"	6'8.9"	6'11.3"	7'1.8"	7'4.2"				