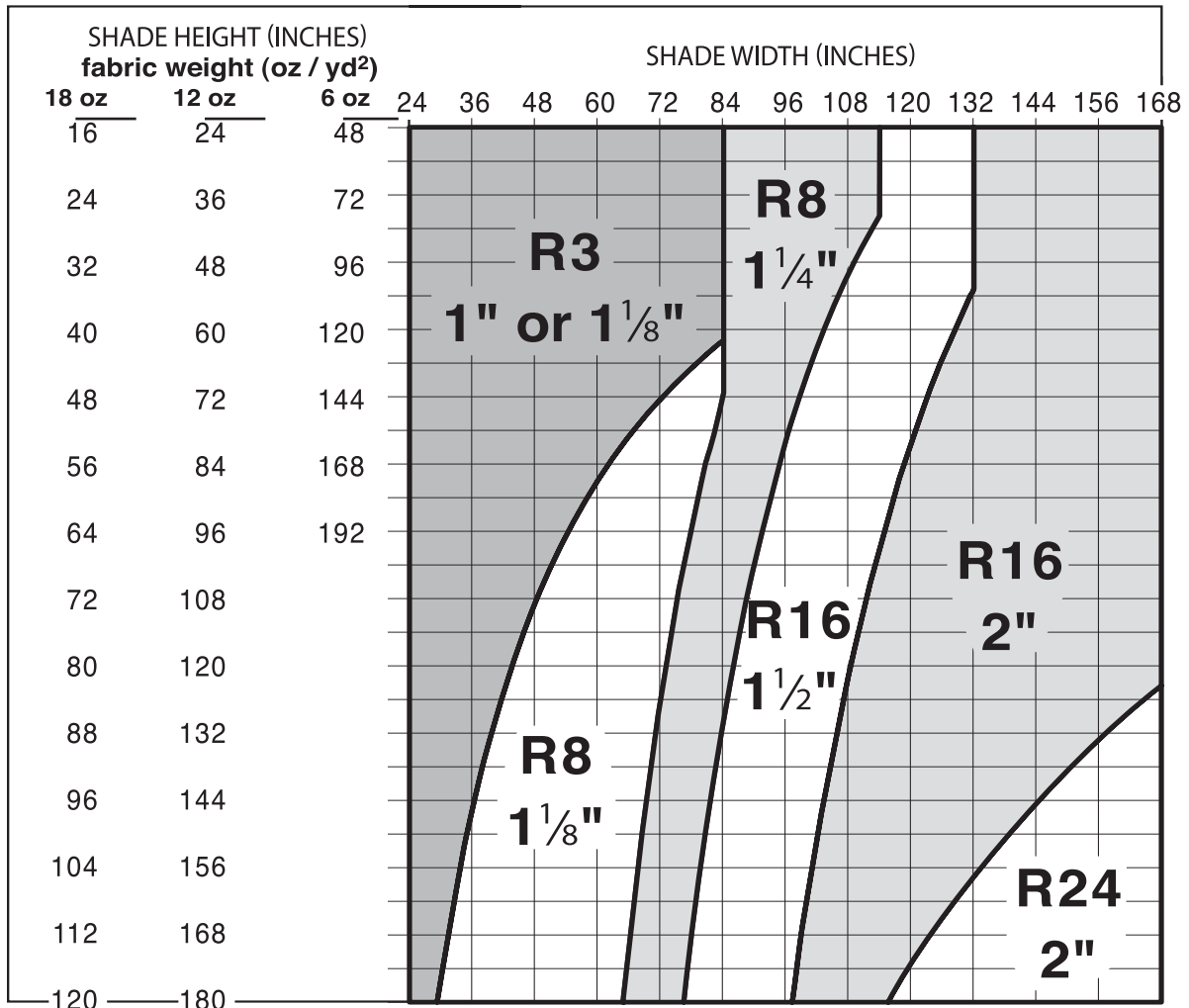
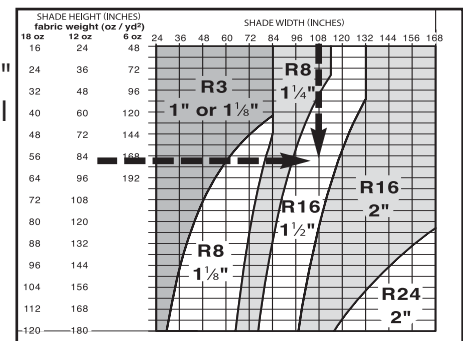


# Clutch + Tube Selection Guideline

1. **IN THE LEFT HALF OF THE CHART**, find the column appropriate for the shade's fabric. Read down that column until you reach the approximate height of the shade.
2. **FOLLOW STRAIGHT ACROSS** to the right half of the chart, as far as the vertical line that represents the shade's width.
3. **THE CLUTCH AND TUBE SIZES SHOWN ARE THE MINIMUM** you may use for that shade. You may, of course, use a heavier duty clutch or a larger tube. Using a lighter clutch than recommended might lead to clutch failure. Using a smaller tube might lead to bowing of the tube.



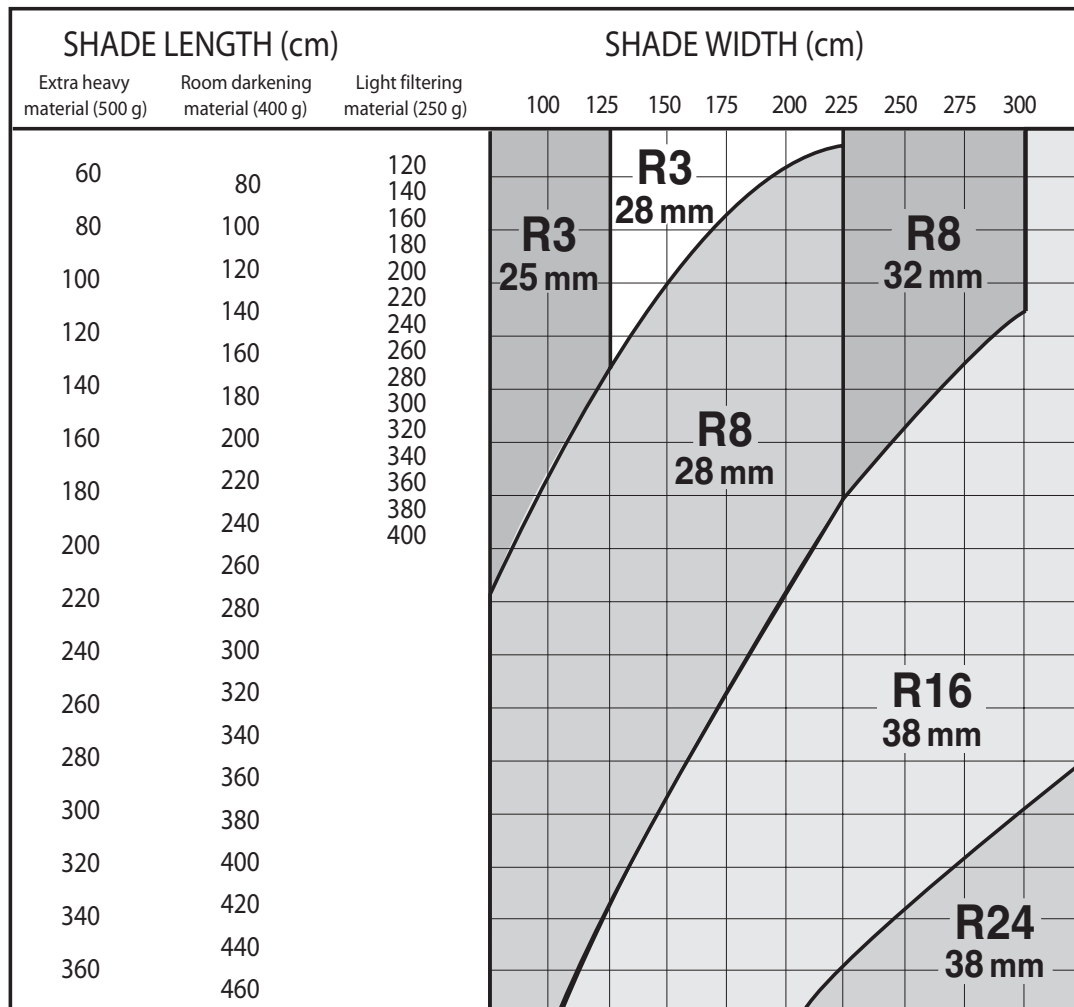
**EXAMPLE.** What is the smallest clutch-and-tube combination for a 12 oz. shade that is 100" wide and 84" tall? The arrows (in the small chart at right) that start from height = 84" and width = 100" show this to be an R16 clutch in a 1 1/2 inch (38mm) tube.



TECHNICAL

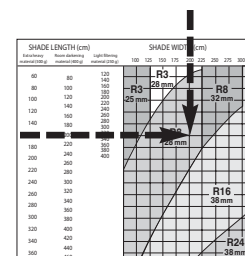
# Metric Clutch + Tube Selection Guideline

- 1. IN THE LEFT HALF OF THE CHART**, find the column appropriate for the shade's fabric. Read down that column until you reach the approximate height of the shade.
- 2. FOLLOW STRAIGHT ACROSS** to the right half of the chart, as far as the vertical line that represents the shade's width.
- 3. THE CLUTCH AND TUBE SIZES SHOWN ARE THE MINIMUM** you may use for that shade. You may, of course, use a heavier clutch or a larger tube. But using a lighter clutch might lead to clutch failure. Using a smaller tube might lead to bowing of the tube.



**EXAMPLE.**

What is the smallest clutch-and-tube combination for a 400 g shade that is 250 cm wide and 200 cm tall? The arrows (in the small chart at right) that start from height = 200cm and width = 250 cm... show this to be an R8 clutch in 32mm tube.



TECHNICAL