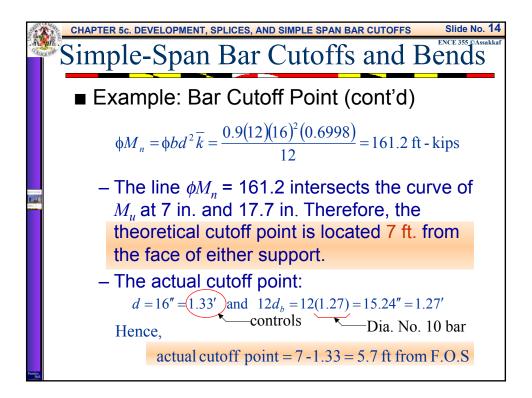


| | | | | | | | | | ide No. 1 355 ØAssakk | |
|---|---|--------|--------|------|------|---------|------|-------|--------------------------|-------|
| | Table 1. Areas of Multiple of Reinforcing Bars (in ²) | | | | | | | | | |
| | Number | | | | В | ar numb | er | | | |
| | of bars | #3 | #4 | \$5 | #6 | #7 | #8 | #9 | #10 | #11 |
| - | 1 | 0.11 | 0.20 | 0.31 | 0.44 | 0.60 | 0.79 | 1.00 | 1.27 | 1.56 |
| | 2 | 0.22 | 0.40 | 0.62 | 0.88 | 1.20 | 1.58 | 2.00 | 2.54 | 3.12 |
| | 3 | 0.33 | 0.60 | 0.93 | 1.32 | 1.80 | 2.37 | 3.00 | 3.81 | 4.68 |
| | 4 | 0.44 | 0.80 | 1.24 | 1.76 | 2.40 | 3.16 | 4.00 | 5.08 | 6.24 |
| | 5 | 0.55 | 1.00 | 1.55 | 2.20 | 3.00 | 3.95 | 5.00 | 6.35 | 7.80 |
| | 6 | 0.66 | 1.20 | 1.86 | 2.64 | 3.60 | 4.74 | 6.00 | 7.62 | 9.36 |
| | 7 | 0.77 | 1.40 | 2.17 | 3.08 | 4.20 | 5.53 | 7.00 | 8.89 | 10.92 |
| | 8 | 0.88 | 1.60 | 2.48 | 3.52 | 4.80 | 6.32 | 8.00 | 10.16 | 12.48 |
| | 9 | 0.99 | 1.80 | 2.79 | 3.96 | 5.40 | 7.11 | 9.00 | 11.43 | 14.04 |
| | 10 | 1.10 | 2.00 | 3.10 | 4.40 | 6.00 | 7.90 | 10.00 | 12.70 | 15.60 |
| | Table A | 4-2 Te | xtbook | | | | | | | |

| ■ Exa | ample: | Bar Cut | off Poin | t (conť | d) |
|---------|----------------|-----------|----------------|---------|----------------|
| Table 2 | (Table A | -10, Text |) | | |
| ρ | \overline{k} | ρ | \overline{k} | ρ | \overline{k} |
| 0.0092 | 0.5072 | 0.0128 | 0.6813 | 0.0164 | 0.8417 |
| 0.0093 | 0.5122 | 0.0129 | 0.6859 | 0.0165 | 0.8459 |
| 0.0094 | 0.5172 | 0.0130 | 0.6906 | 0.0166 | 0.8502 |
| 0.0095 | 0.5222 | 0.0131 | 0.6952 | 0.0167 | 0.8544 |
| 0.0096 | 0.5272 | 0.0132 | 0.6998 | 0.0168 | 0.8586 |
| 0.0097 | 0.5322 | 0.0133 | 0.7044 | 0.0169 | 0.8629 |
| 0.0098 | 0.5372 | 0.0134 | 0.7090 | 0.0170 | 0.8671 |
| 0.0099 | 0.5421 | 0.0135 | 0.7136 | 0.0171 | 0.8713 |
| 0.0100 | 0.5471 | 0.0136 | 0.7181 | 0.0172 | 0.8754 |



| Simple-Sp | pment, splices, and s Dan Bar C | | ENCE 255 (|
|----------------|------------------------------------|-------------------------|-----------------|
| ■ Exampl | e: Bar Cutof | f Point (c | ont'd) |
| Table 3. AS | TM Standard - E | nglish Reinfo | orcing Bars |
| Bar Designatio | n Diameter in | Area in ² | Weight Ib/ft |
| #3 [#10] | 0.375 | 0.11 | 0.376 |
| #4 [#13] | 0.500 | 0.20 | 0.668 |
| #5 [#16] | 0.625 | 0.31 | 1.043 |
| #6 [#19] | 0.750 | 0.44 | 1.502 |
| #7 [#22] | 0.875 | 0.60 | 2.044 |
| #8 [#25] | 1.000 | 0.79 | 2.670 |
| #9 [#29] | 1.128 | 1.00 | 3.400 |
| #10 [#32] | (1.270) | 1.27 | 4.303 |
| #11 [#36] | 1.410 | 1.56 | 5.313 |
| #14 [#43] | 1.693 | 2.25 | 7.650 |
| #18 [#57] | 2.257 | 4.00 | 13.60 |

