Concrete Design Handbook – 4th Edition

CHAPTER 7: ADDITIONAL DESIGN AIDS

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Concrete Design Handbook – 4th Edition Chapter 7: Additional Design Aids First printing August 2016

Table 7.10.1 Rectangular Columns with Equal Numbers of Bars on all Faces

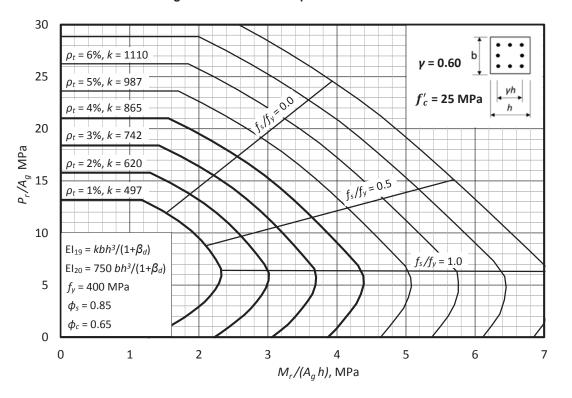
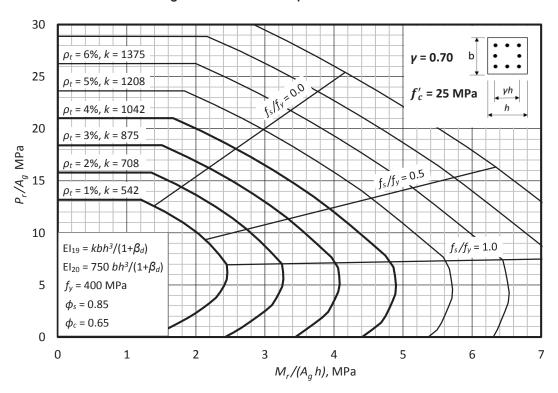


Table 7.10.2 Rectangular Columns with Equal Numbers of Bars on all Faces



7–26 Short Columns

Table 7.10.3 Rectangular Columns with Equal Numbers of Bars on all Faces

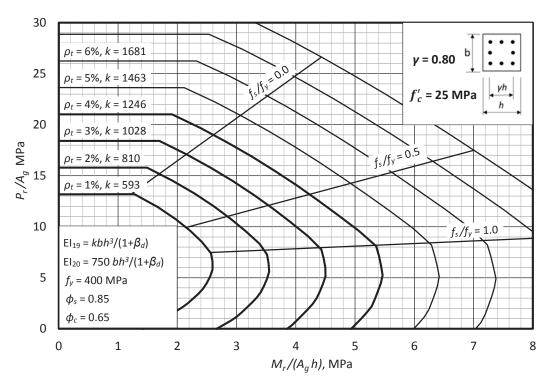


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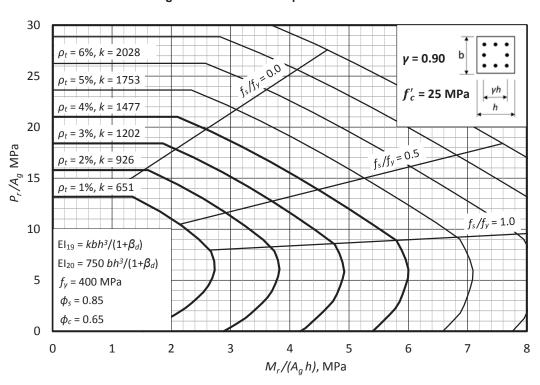


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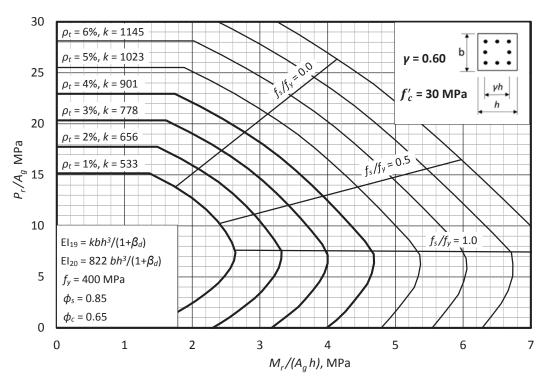
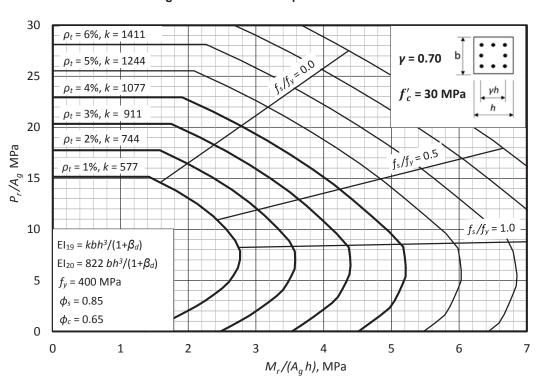


Table 7.10.6 Rectangular Columns with Equal Numbers of Bars on all Faces



7–28 Short Columns

Table 7.10.7 Rectangular Columns with Equal Numbers of Bars on all Faces

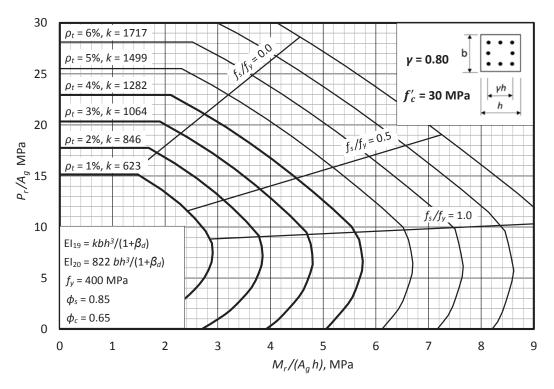


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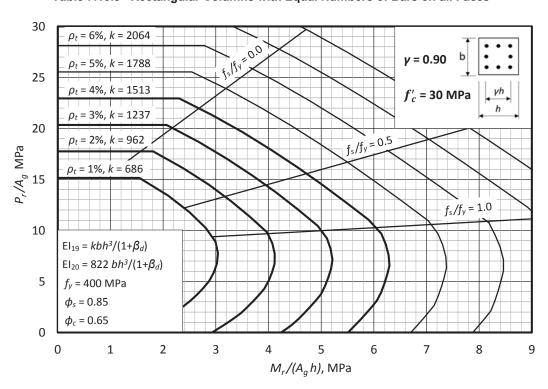


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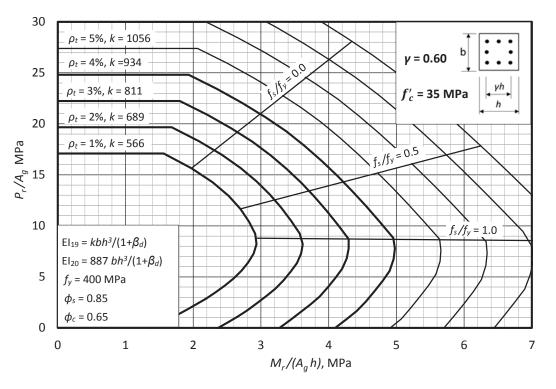
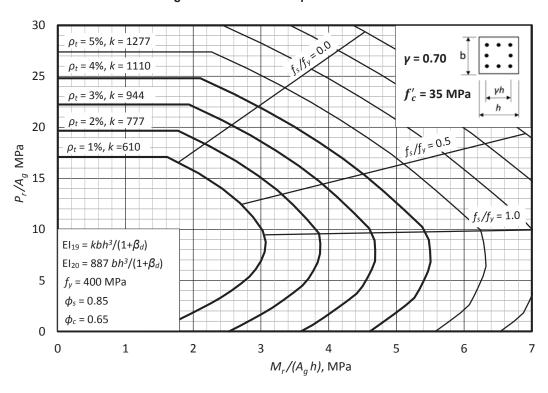


Table 7.10.10 Rectangular Columns with Equal Numbers of Bars on all Faces



7–30 Short Columns

Table 7.10.11 Rectangular Columns with Equal Numbers of Bars on all Faces

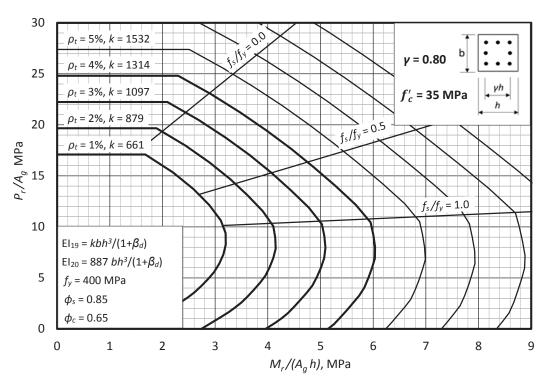


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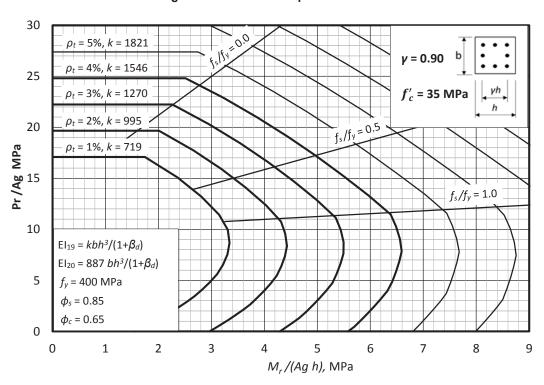


Table 7.10.13 Rectangular Columns with Equal Numbers of Bars on all Faces

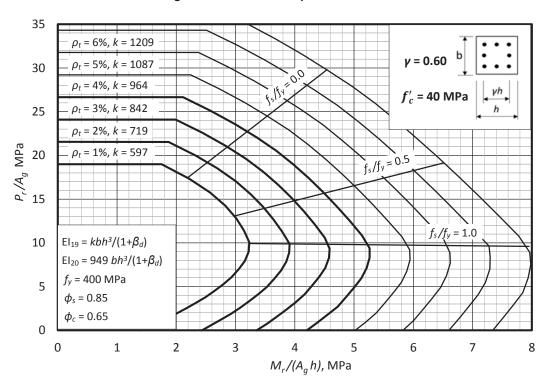
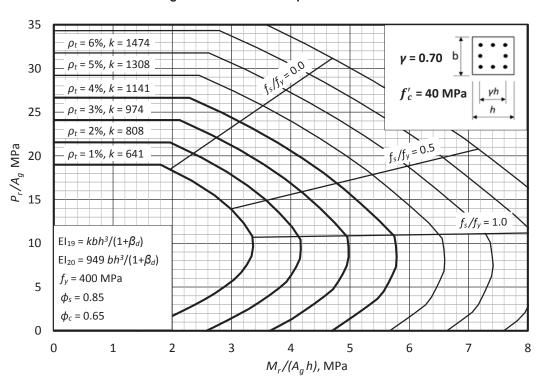


Table 7.10.14 Rectangular Columns with Equal Numbers of Bars on all Faces



7–32 Short Columns

Table 7.10.15 Rectangular Columns with Equal Numbers of Bars on all Faces

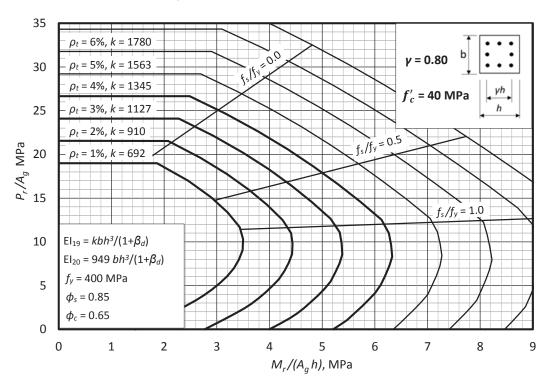


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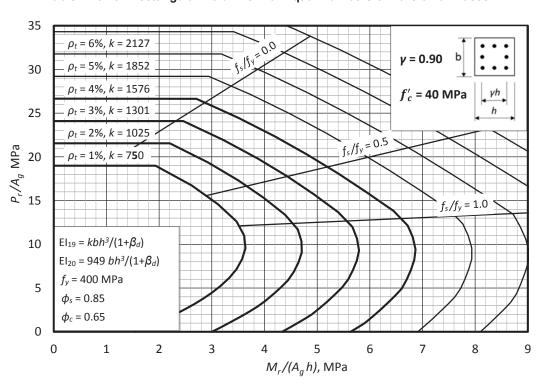


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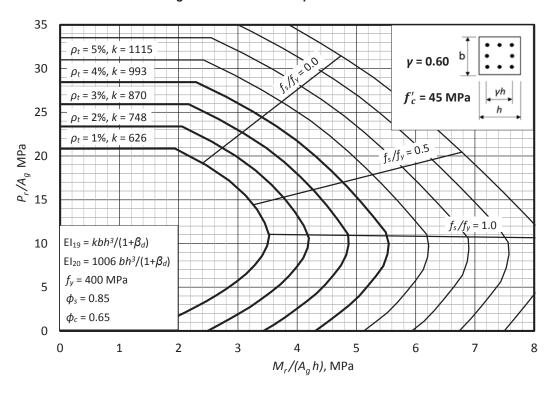
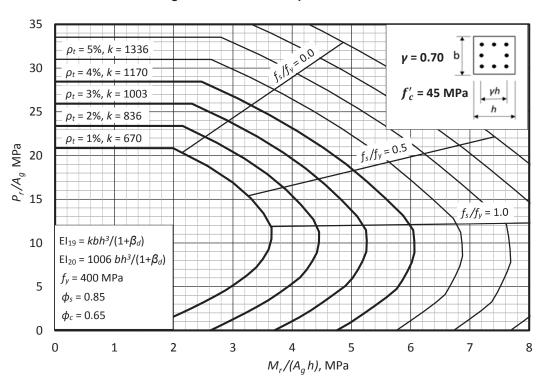


Table 7.10.18 Rectangular Columns with Equal Numbers of Bars on all Faces



7–34 Short Columns

Table 7.10.19 Rectangular Columns with Equal Numbers of Bars on all Faces

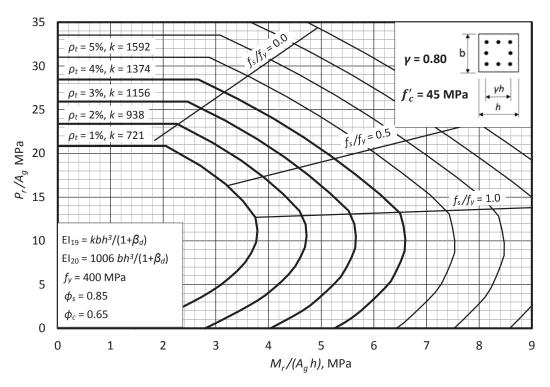


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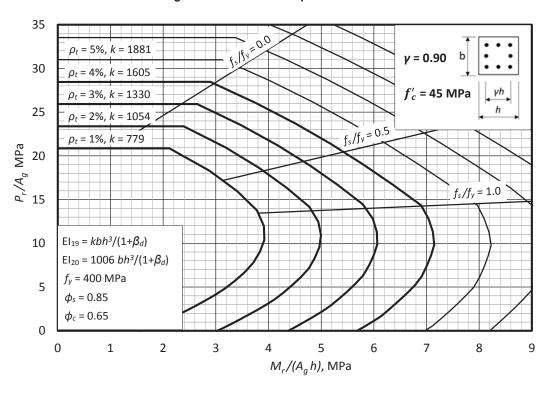


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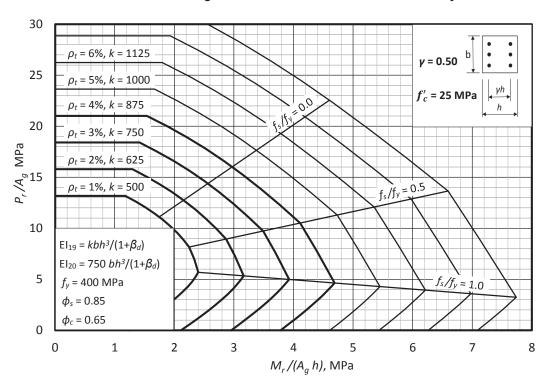
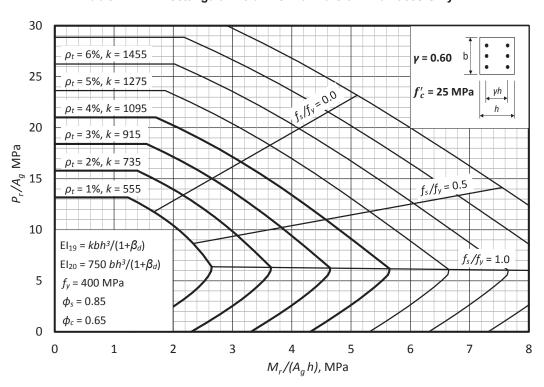


Table 7.11.2 Rectangular Columns with Bars on End Faces Only



7–36 Short Columns

Table 7.11.3 Rectangular Columns with Bars on End Faces Only

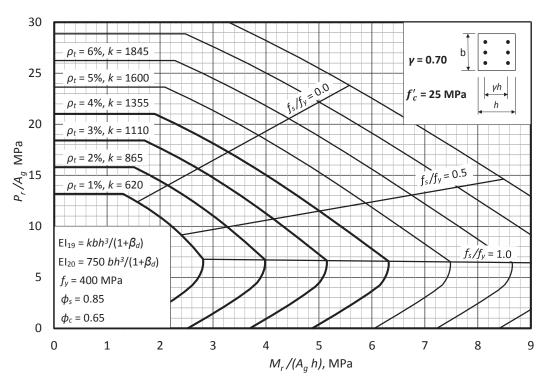


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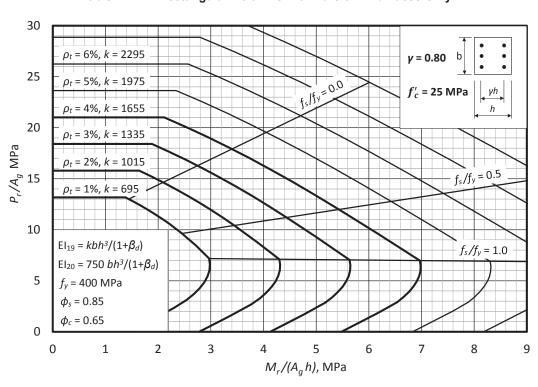


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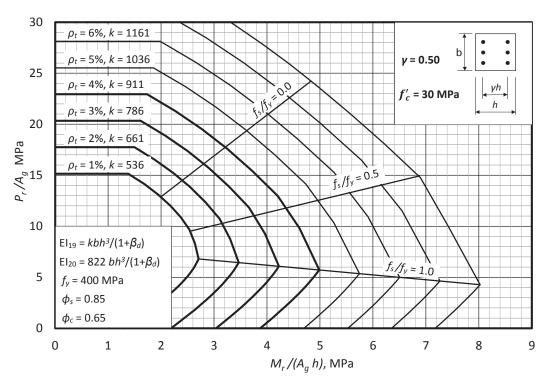
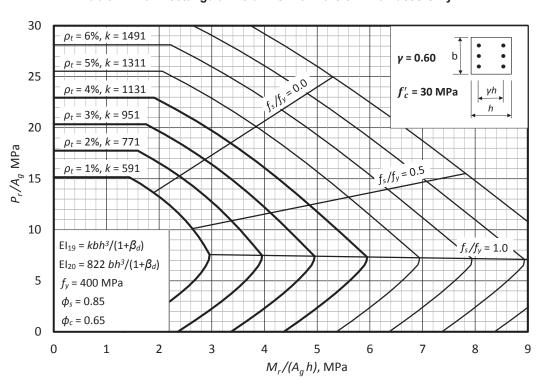


Table 7.11.6 Rectangular Columns with Bars on End Faces Only



7–38 Short Columns

Table 7.11.7 Rectangular Columns with Bars on End Faces Only

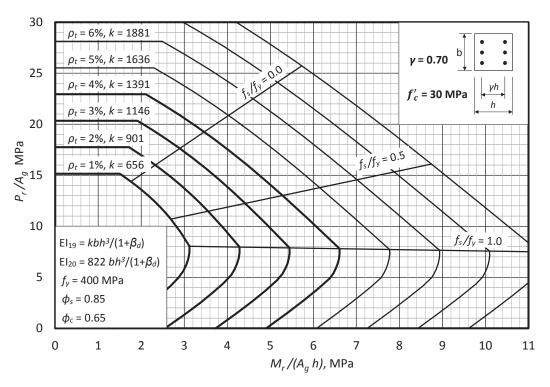


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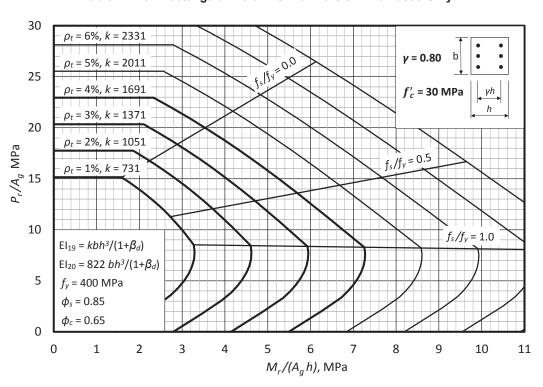


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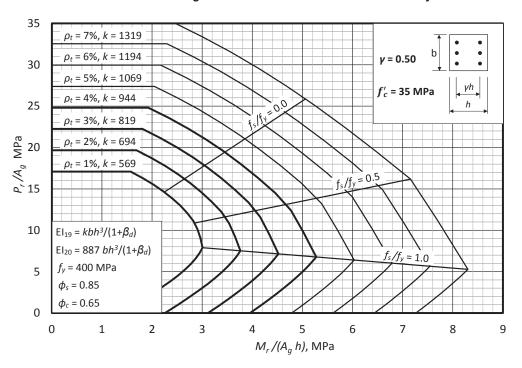
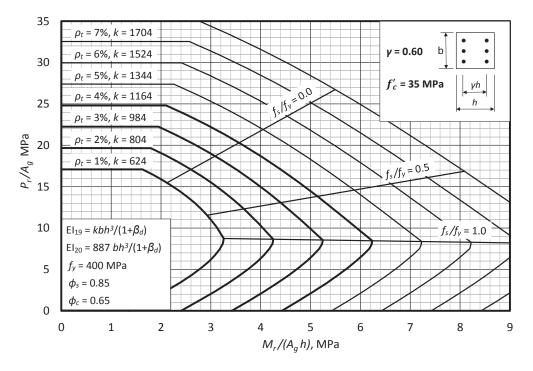


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7–40 Short Columns

Table 7.11.11 Rectangular Columns with Bars on End Faces Only

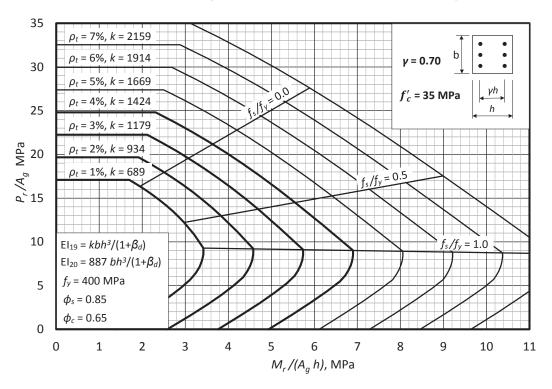


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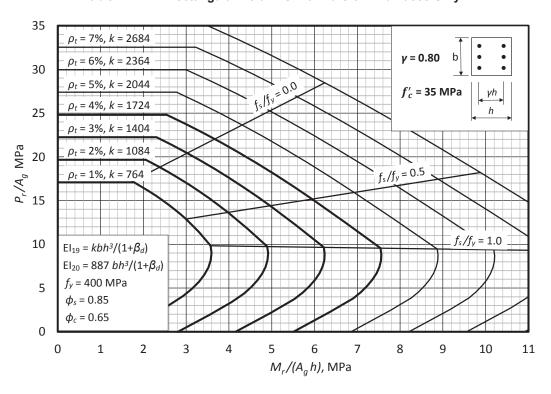


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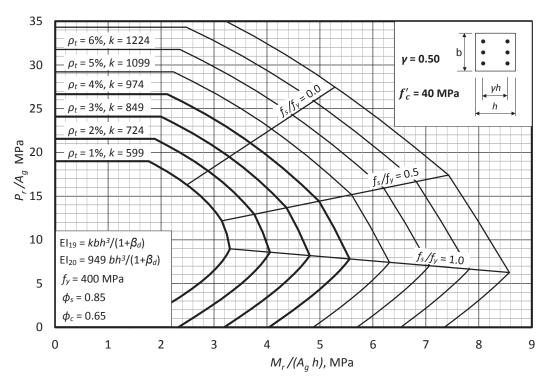
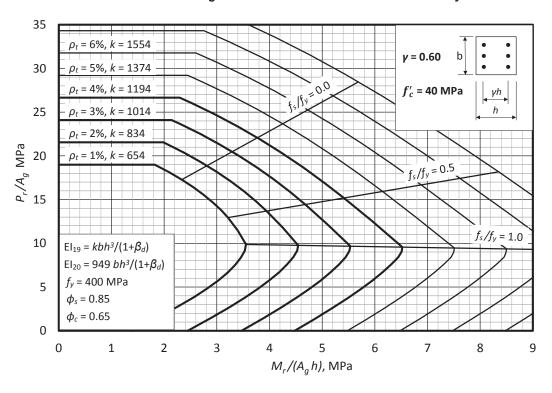


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7–42 Short Columns

Table 7.11.15 Rectangular Columns with Bars on End Faces Only

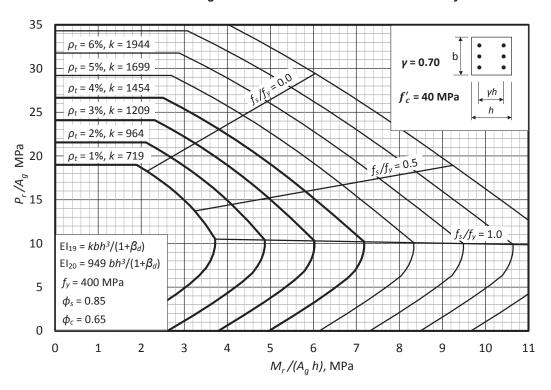


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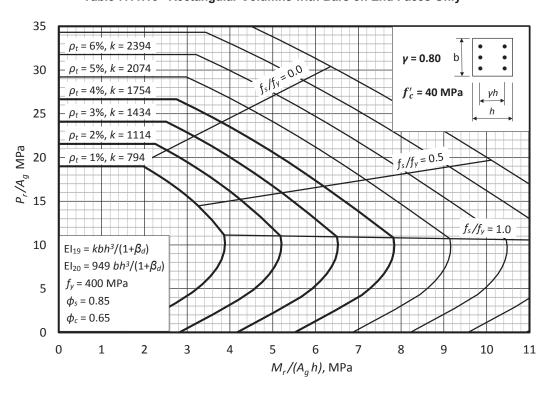


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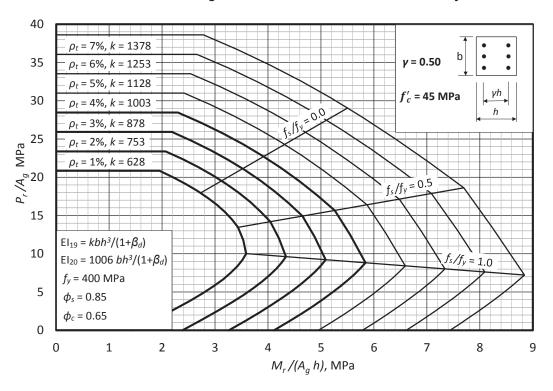
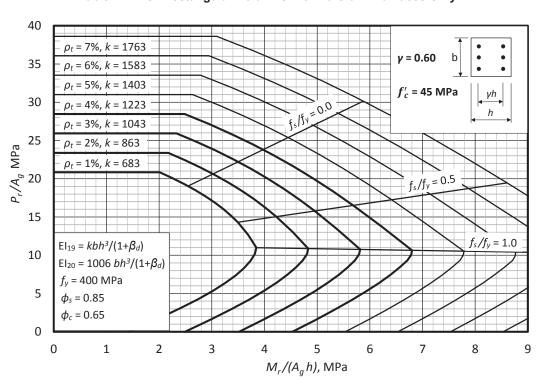


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7–44 Short Columns

Table 7.11.19 Rectangular Columns with Bars on End Faces Only

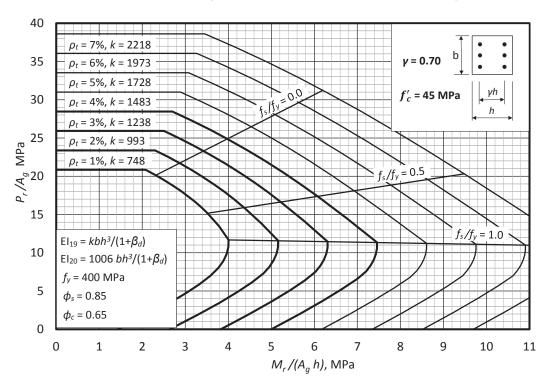


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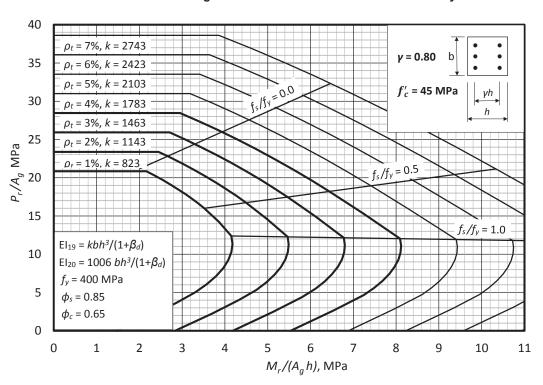


Table 7.12.1 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

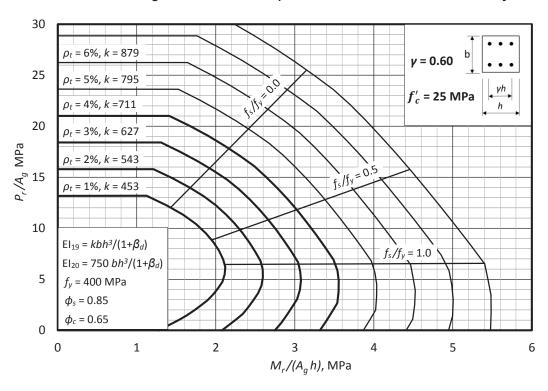
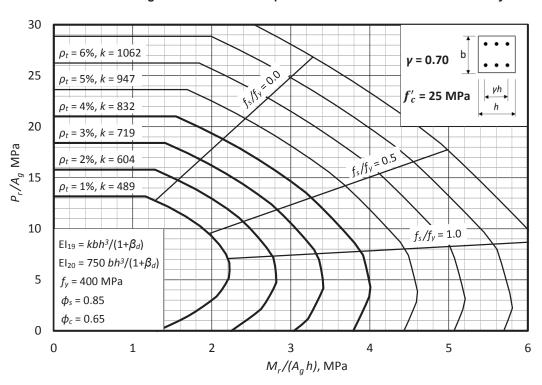


Table 7.12.2 Rectangular Columns with Equal Numbers of Bars in Side Faces Only



7–46 Short Columns

Table 7.12.3 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

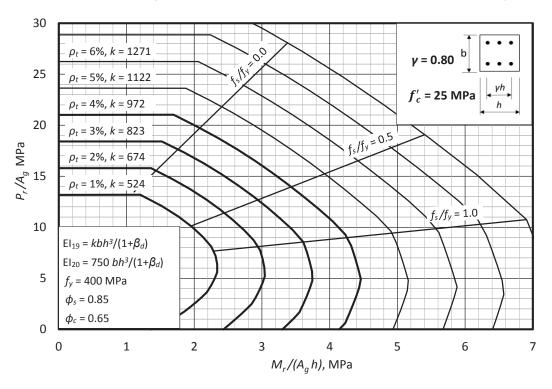


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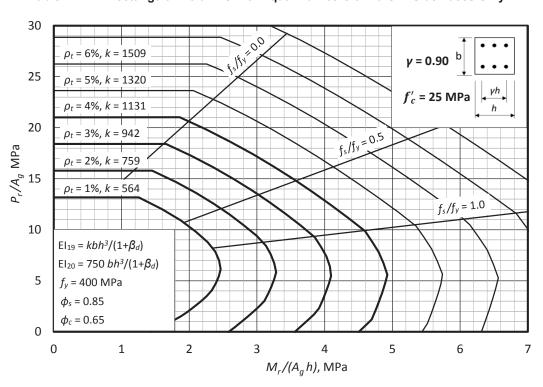


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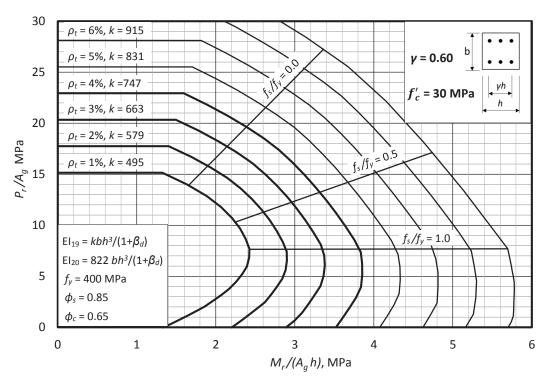
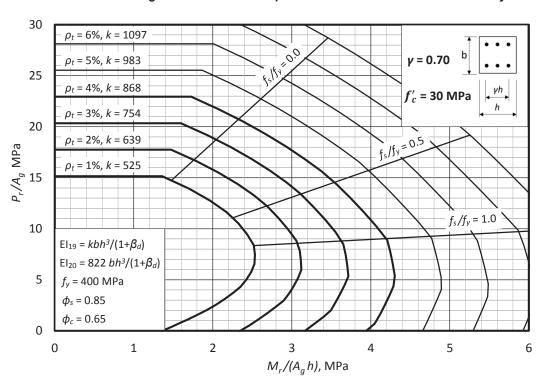


Table 7.12.6 Rectangular Columns with Equal Numbers of Bars in Side Faces Only



7–48 Short Columns

Table 7.12.7 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

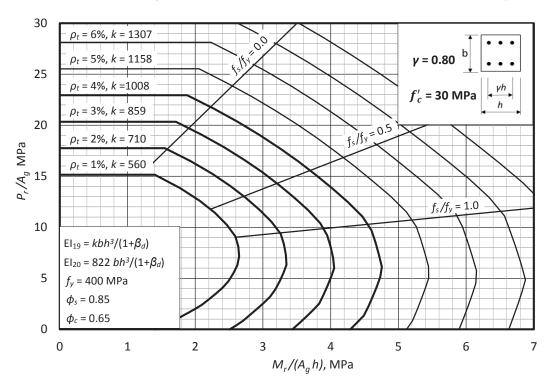


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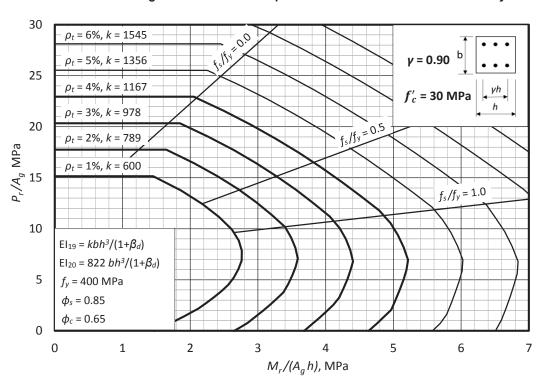


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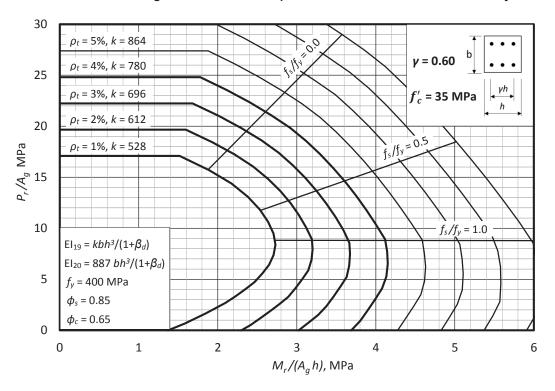
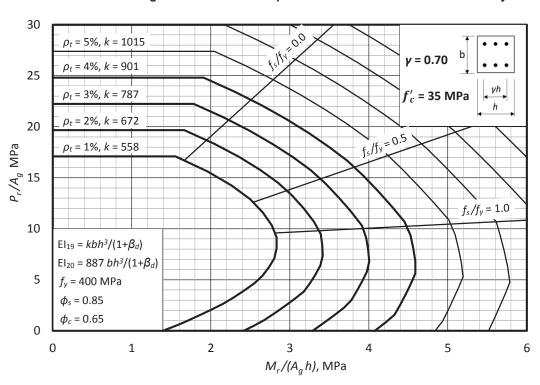


Table 7.12.10 Rectangular Columns with Equal Numbers of Bars in Side Faces Only



7–50 Short Columns

Table 7.12.11 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

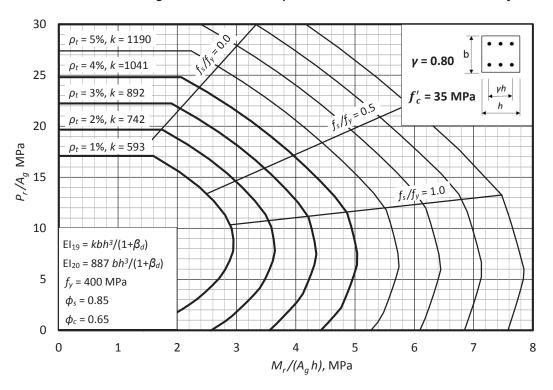


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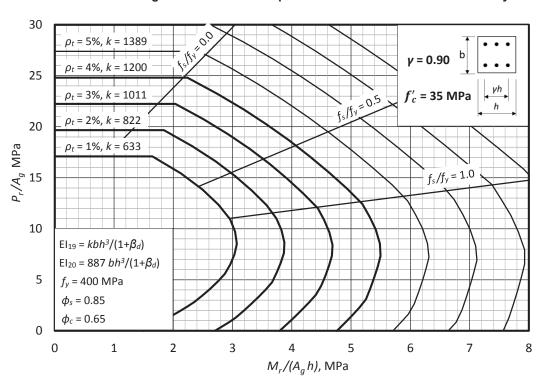


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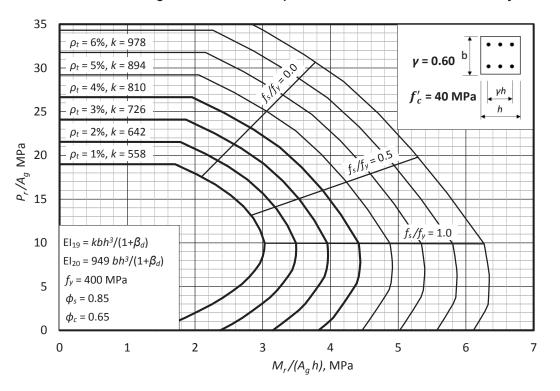
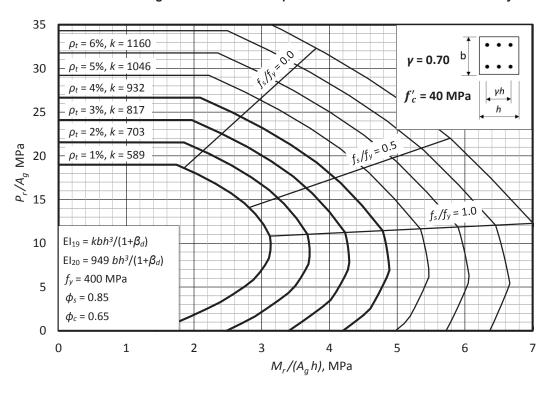


Table 7.12.14 Rectangular Columns with Equal Numbers of Bars in Side Faces Only



7–52 Short Columns

Table 7.12.15 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

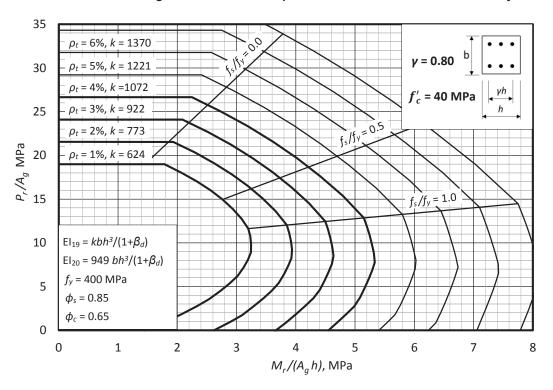


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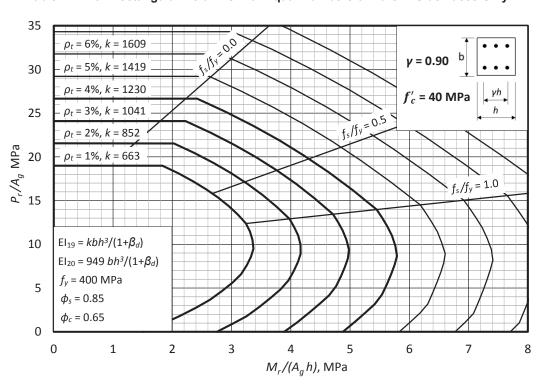


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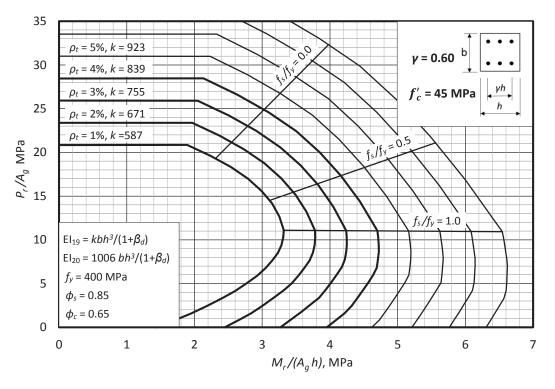
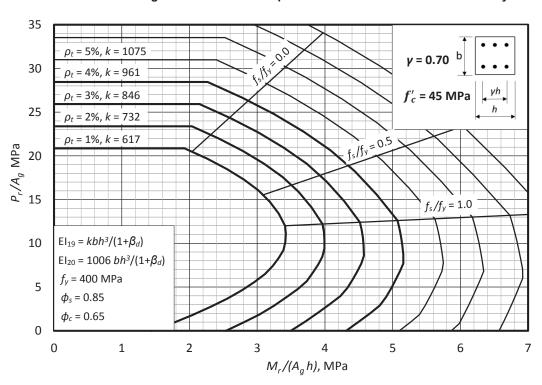


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7–54 Short Columns

Table 7.12.19 Rectangular Columns with Equal Numbers of Bars in Side Faces Only

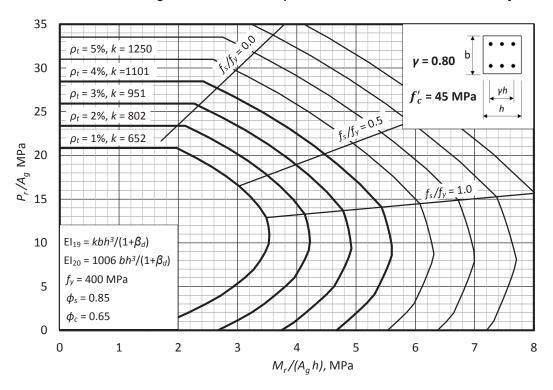


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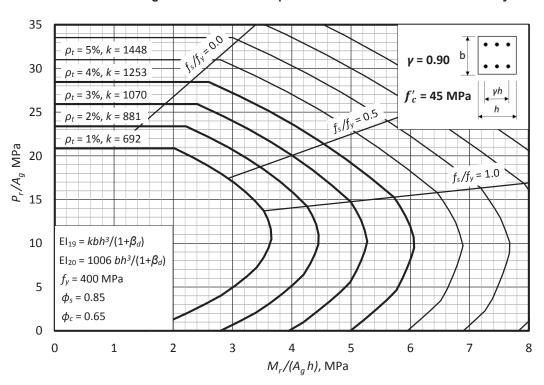


Table 7.13.1 Circular Tied or Spiral Columns

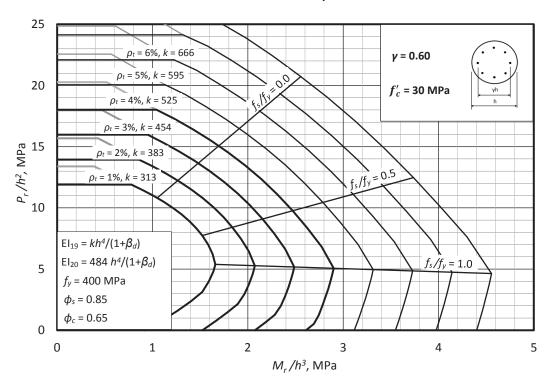
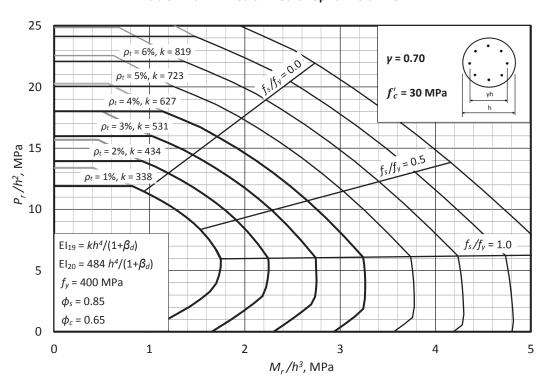


Table 7.13.2 Circular Tied or Spiral Columns



7–56 Short Columns

Table 7.13.3 Circular Tied or Spiral Columns

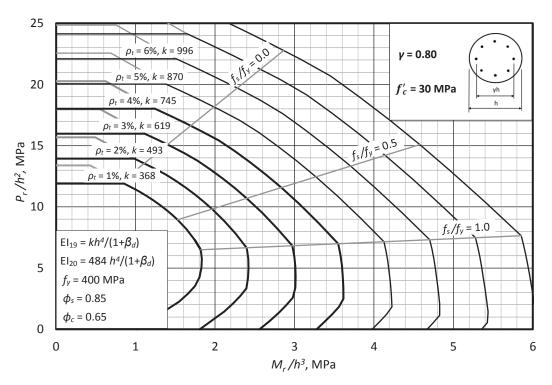


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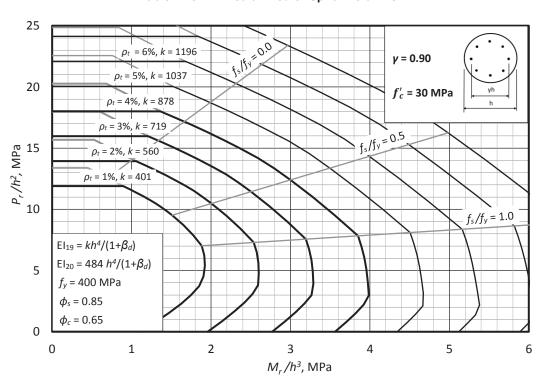


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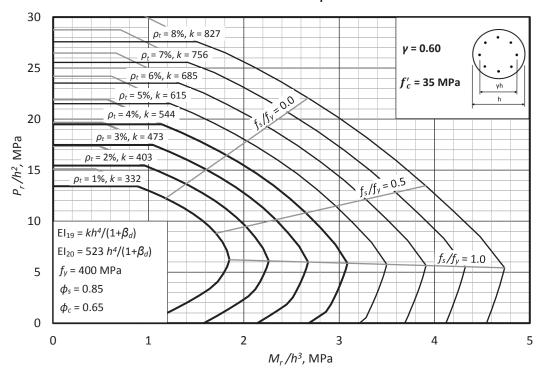
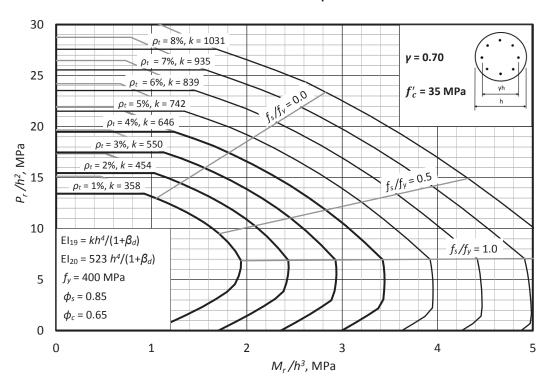


Table 7.13.6 Circular Tied or Spiral Columns



7–58 Short Columns

Table 7.13.7 Circular Tied or Spiral Columns

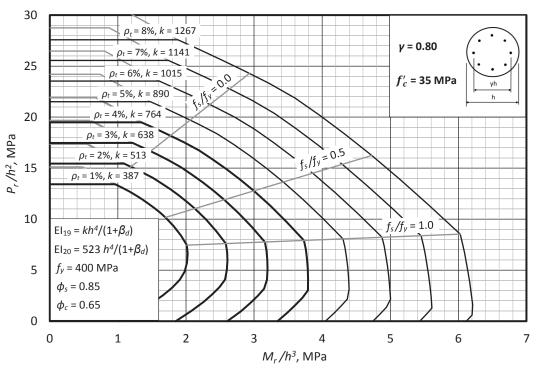


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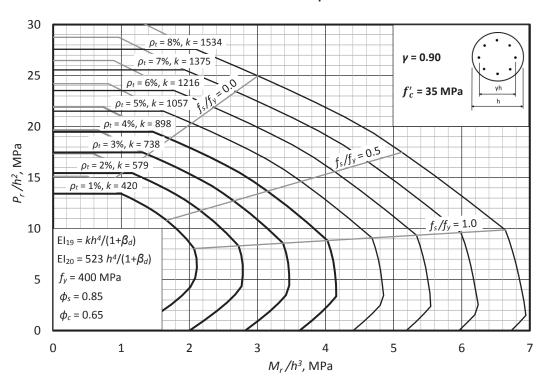


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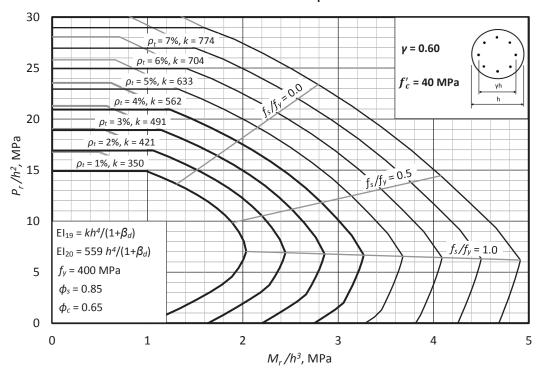
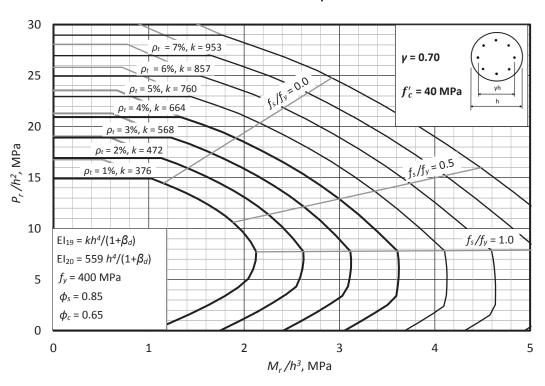


Table 7.13.10 Circular Tied or Spiral Columns



7–60 Short Columns



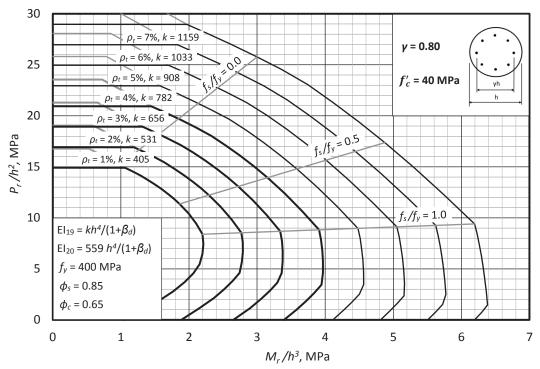


Table 7.13.12 Circular Tied or Spiral Columns

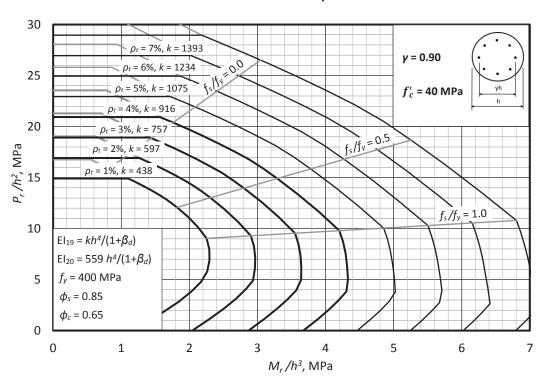


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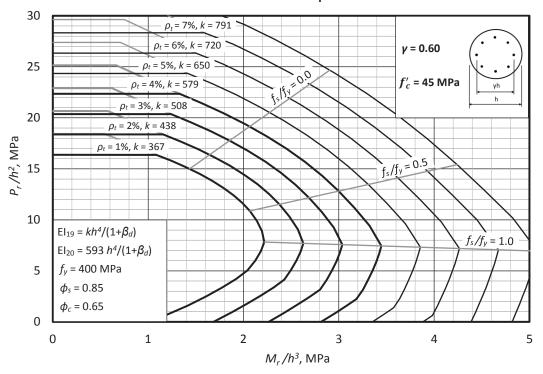
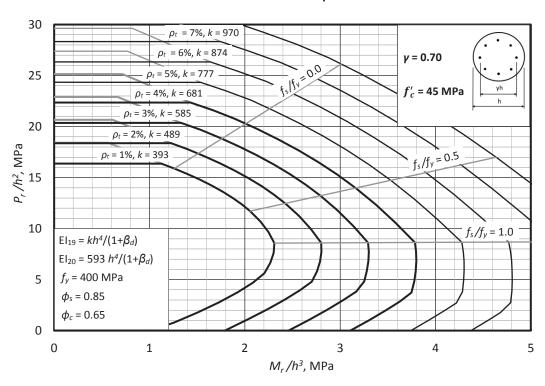


Table 7.13.14 Circular Tied or Spiral Columns



7–62 Short Columns



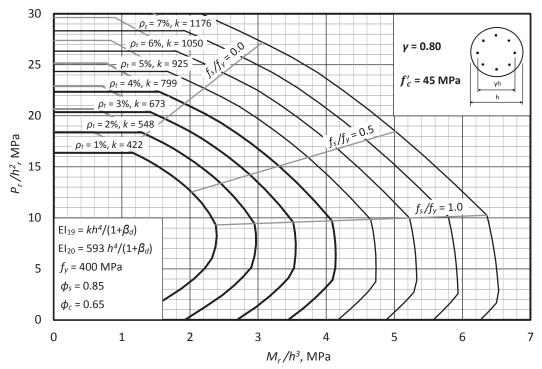


Table 7.13.16 Circular Tied or Spiral Columns

