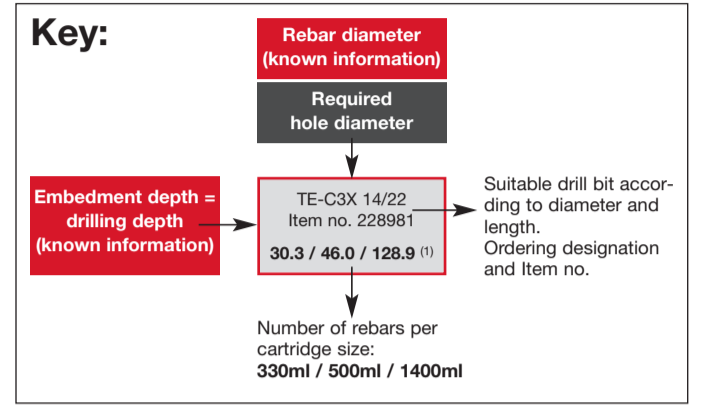


# Simply selected.

Hilti supplies a perfectly-matched, quick and easy system for making reliable post-installed rebar connections. When embedment depth and rebar diameter are known:

- Simply calculate the number of Hilti HIT cartridges needed\*
- Simply select the most suitable Hilti drill bit and combihammer

\*) Indicates the number of rebars that can be fastened using a cartridge of the given size. This assumes correct use of approx. 80% of the cartridge contents.



Rebar diameter $d_s$ [mm]	10	12	14	16	18	20	22	
Drill bit diameter $d_0$ [mm]	14	16	18	20	22	25	28	
Recommended Tool	TE 30-M-AVR / TE 40-AVR		TE 50 (up to hole depth 300 mm)				TE 70-ATC / TE 80-ATC	
Suitable Adhesive mortar in accordance to approval	Hilti HIT-HY 150 MAX							Hilti HIT-RE 500

Hole depth in mm	10	12	14	16	18	20	22
120	TE-C3X 14/22 Item no. 228981 30.3 / 46.0 / 128.9 <sup>(1)</sup>	TE-C3X 16/22 Item no. 228984 26.0 / 39.4 / 110.5 <sup>(1)</sup>	TE-YX 18/32 Item no. 339015 22.7 / 34.5 / 96.7 <sup>(1)</sup>	TE-YX 20/32 Item no. 339018 20.2 / 30.7 / 85.9 <sup>(1)</sup>	TE-YX 22/32 Item no. 339021 18.2 / 27.6 / 77.3 <sup>(1)</sup>	TE-YX 25/32 Item no. 339026 12.9 / 19.6 / 55.0 <sup>(1)</sup>	TE-YX 28/32 Item no. 339030 9.7 / 14.7 / 41.2 <sup>(1)</sup>
140	TE-C3X 14/22 Item no. 228981 26.0 / 39.4 / 110.5 <sup>(1)</sup>	TE-C3X 16/22 Item no. 228984 22.3 / 33.8 / 94.7 <sup>(1)</sup>	TE-YX 18/32 Item no. 339015 19.5 / 29.6 / 82.8 <sup>(1)</sup>	TE-YX 20/32 Item no. 339018 17.3 / 26.3 / 73.6 <sup>(1)</sup>	TE-YX 22/32 Item no. 339021 15.6 / 23.6 / 66.3 <sup>(1)</sup>	TE-YX 25/32 Item no. 339026 11.1 / 16.8 / 47.1 <sup>(1)</sup>	TE-YX 28/32 Item no. 339030 8.3 / 12.6 / 35.3 <sup>(1)</sup>
160	TE-C3X 14/27 Item no. 228982 22.7 / 34.5 / 96.7	TE-C3X 16/27 Item no. 228985 19.5 / 29.6 / 82.8 <sup>(1)</sup>	TE-YX 18/32 Item no. 339015 17.0 / 25.9 / 72.5 <sup>(1)</sup>	TE-YX 20/32 Item no. 339018 15.2 / 23.0 / 64.4 <sup>(1)</sup>	TE-YX 22/32 Item no. 339021 13.6 / 20.7 / 58.0 <sup>(1)</sup>	TE-YX 25/32 Item no. 339026 9.7 / 14.7 / 41.2 <sup>(1)</sup>	TE-YX 28/32 Item no. 339030 7.2 / 11.0 / 30.9 <sup>(1)</sup>
180	TE-C3X 14/27 Item no. 228982 20.2 / 30.7 / 85.9	TE-C3X 16/27 Item no. 228985 17.3 / 26.3 / 73.6	TE-YX 18/32 Item no. 339015 15.2 / 23.0 / 64.4 <sup>(1)</sup>	TE-YX 20/32 Item no. 339018 13.5 / 20.4 / 57.3 <sup>(1)</sup>	TE-YX 22/32 Item no. 339021 12.1 / 18.4 / 51.5 <sup>(1)</sup>	TE-YX 25/32 Item no. 339026 8.6 / 13.1 / 36.6 <sup>(1)</sup>	TE-YX 28/32 Item no. 339030 6.4 / 9.8 / 27.5 <sup>(1)</sup>
200	TE-C3X 14/27 Item no. 228982 18.2 / 27.6 / 77.3	TE-C3X 16/27 Item no. 228985 15.6 / 23.6 / 66.3	TE-YX 18/32 Item no. 339015 13.6 / 20.7 / 58.0	TE-YX 20/32 Item no. 339018 12.1 / 18.4 / 51.5 <sup>(1)</sup>	TE-YX 22/32 Item no. 339021 10.9 / 16.5 / 46.4 <sup>(1)</sup>	TE-YX 25/32 Item no. 339026 7.7 / 11.7 / 33.0 <sup>(1)</sup>	TE-YX 28/32 Item no. 339030 5.8 / 8.8 / 24.7 <sup>(1)</sup>
240	TE-C3X 14/37 Item no. 206561 15.2 / 23.0 / 64.4	TE-C3X 16/47 Item no. 206569 13.0 / 19.7 / 55.2	TE-YX 18/52 Item no. 339016 11.4 / 17.2 / 48.3	TE-YX 20/52 Item no. 339019 10.1 / 15.3 / 42.9	TE-YX 22/52 Item no. 339022 9.1 / 13.8 / 38.6 <sup>(1)</sup>	TE-YX 25/52 Item no. 339027 6.4 / 9.8 / 27.5 <sup>(1)</sup>	TE-YX 28/52 Item no. 339031 4.8 / 7.3 / 20.6 <sup>(1)</sup>
260	TE-C3X 14/37 Item no. 206561 14.0 / 21.2 / 59.5	TE-C3X 16/47 Item no. 206569 12.0 / 18.2 / 51.0	TE-YX 18/52 Item no. 339016 10.5 / 15.9 / 44.6	TE-YX 20/52 Item no. 339019 9.3 / 14.1 / 39.6	TE-YX 22/52 Item no. 339022 8.4 / 12.7 / 35.7	TE-YX 25/52 Item no. 339027 5.9 / 9.0 / 25.3 <sup>(1)</sup>	TE-YX 28/52 Item no. 339031 4.4 / 6.8 / 19.0 <sup>(1)</sup>
280	TE-C3X 14/37 Item no. 206561 13.0 / 19.7 / 55.2	TE-C3X 16/47 Item no. 206569 11.1 / 16.9 / 47.3	TE-YX 18/52 Item no. 339016 9.7 / 14.8 / 41.4	TE-YX 20/52 Item no. 339019 8.68 / 13.1 / 36.8	TE-YX 22/52 Item no. 339022 7.8 / 11.8 / 33.1	TE-YX 25/52 Item no. 339027 5.5 / 8.4 / 23.5 <sup>(1)</sup>	TE-YX 28/52 Item no. 339031 4.1 / 6.3 / 17.6 <sup>(1)</sup>
300	TE-C3X 14/37 Item no. 206561 12.1 / 18.4 / 51.5	TE-C3X 16/47 Item no. 206569 10.4 / 15.7 / 44.2	TE-YX 18/52 Item no. 339016 9.1 / 13.8 / 38.6	TE-YX 20/52 Item no. 339019 8.1 / 12.2 / 34.3	TE-YX 22/52 Item no. 339022 7.2 / 11.0 / 30.9	TE-YX 25/52 Item no. 339027 5.1 / 7.8 / 22.0	TE-YX 28/52 Item no. 339031 3.8 / 5.8 / 16.5 <sup>(1)</sup>
320	TE-C3X 14/47 Item no. 206562 11.4 / 17.2 / 48.3	TE-C3X 16/47 Item no. 206569 9.7 / 14.8 / 41.4	TE-YX 18/52 Item no. 339016 8.5 / 12.9 / 36.2	TE-YX 20/52 Item no. 339019 7.6 / 11.5 / 32.2	TE-YX 22/52 Item no. 339022 6.8 / 10.3 / 29.0	TE-YX 25/52 Item no. 339027 4.8 / 7.3 / 20.6	TE-YX 28/52 Item no. 339031 3.6 / 5.5 / 15.4
340	TE-C3X 14/47 Item no. 206562 10.7 / 16.2 / 45.5	TE-C3X 16/47 Item no. 206569 9.1 / 13.9 / 39.0	TE-YX 18/52 Item no. 339016 8.0 / 12.1 / 34.1	TE-YX 20/52 Item no. 339019 7.1 / 10.8 / 30.3	TE-YX 22/52 Item no. 339022 6.4 / 9.7 / 27.3	TE-YX 25/52 Item no. 339027 4.5 / 6.9 / 19.4	TE-YX 28/52 Item no. 339031 3.4 / 5.2 / 14.5
360	TE-C3X 14/47 Item no. 206562 10.1 / 15.3 / 42.9	TE-C3X 16/47 Item no. 206569 8.6 / 13.1 / 36.8	TE-YX 18/52 Item no. 339016 7.6 / 11.5 / 32.2	TE-YX 20/52 Item no. 339019 6.7 / 10.2 / 28.6	TE-YX 22/52 Item no. 339022 6.0 / 9.2 / 25.7	TE-YX 25/52 Item no. 339027 4.3 / 6.5 / 18.3	TE-YX 28/52 Item no. 339031 3.2 / 4.9 / 13.7
380	TE-C3X 14/47 Item no. 206562 9.6 / 14.5 / 40.7	TE-C3X 16/47 Item no. 206569 8.2 / 12.4 / 34.9	TE-YX 18/52 Item no. 339016 7.2 / 10.9 / 30.5	TE-YX 20/52 Item no. 339019 6.4 / 9.6 / 27.1	TE-YX 22/52 Item no. 339022 5.7 / 8.7 / 24.4	TE-YX 25/52 Item no. 339027 4.0 / 6.2 / 17.3	TE-YX 28/52 Item no. 339031 3.0 / 4.6 / 13.0
400	TE-C3X 14/47 Item no. 206562 9.1 / 13.8 / 38.6	TE-C3X 16/47 Item no. 206569 7.8 / 11.8 / 33.1	TE-YX 18/52 Item no. 339016 6.8 / 10.3 / 29.0	TE-YX 20/52 Item no. 339019 6.0 / 9.2 / 25.7	TE-YX 22/52 Item no. 339022 5.4 / 8.2 / 23.2	TE-YX 25/52 Item no. 339027 3.8 / 5.8 / 16.5	TE-YX 28/52 Item no. 339031 2.9 / 4.4 / 12.3
450	TE-C3X 14/27 + TE-C3X 14/61 <sup>(2)</sup> Item no. 228982 + 202869 <sup>(2)</sup> 8.1 / 12.2 / 34.3	TE-C3X 16/27 + TE-C3X 16/61 <sup>(2)</sup> Item no. 228985 + 206570 <sup>(2)</sup> 6.9 / 10.5 / 29.4	TE-YX 18/52 + TE-YX 18/92 <sup>(2)</sup> Item no. 339016 + 339017 <sup>(2)</sup> 6.0 / 9.2 / 25.7	TE-YX 20/52 + TE-YX 20/92 <sup>(2)</sup> Item no. 339019 + 339020 <sup>(2)</sup> 5.4 / 8.1 / 22.9	TE-YX 22/52 + TE-YX 22/92 <sup>(2)</sup> Item no. 339022 + 339023 <sup>(2)</sup> 4.8 / 7.3 / 20.6	TE-YX 25/52 + TE-YX 25/92 <sup>(2)</sup> Item no. 339027 + 339028 <sup>(2)</sup> 3.4 / 5.2 / 14.6	TE-YX 28/52 + TE-YX 28/92 <sup>(2)</sup> Item no. 339031 + 283605 <sup>(2)</sup> 2.5 / 3.9 / 11.00
500	TE-C3X 14/27 + TE-C3X 14/61 <sup>(2)</sup> Item no. 228982 + 202869 <sup>(2)</sup> 7.2 / 11.0 / 30.9	TE-C3X 16/27 + TE-C3X 16/61 <sup>(2)</sup> Item no. 228985 + 206570 <sup>(2)</sup> 6.2 / 9.4 / 26.5	TE-YX 18/52 + TE-YX 18/92 <sup>(2)</sup> Item no. 339016 + 339017 <sup>(2)</sup> 5.4 / 8.2 / 23.2	TE-YX 20/52 + TE-YX 20/92 <sup>(2)</sup> Item no. 339019 + 339020 <sup>(2)</sup> 4.8 / 7.3 / 20.6	TE-YX 22/52 + TE-YX 22/92 <sup>(2)</sup> Item no. 339022 + 339023 <sup>(2)</sup> 4.3 / 6.6 / 18.5	TE-YX 25/52 + TE-YX 25/92 <sup>(2)</sup> Item no. 339027 + 339028 <sup>(2)</sup> 3.1 / 4.7 / 13.2	TE-YX 28/52 + TE-YX 28/92 <sup>(2)</sup> Item no. 339031 + 283605 <sup>(2)</sup> 2.3 / 3.5 / 9.9

<sup>(1)</sup> This structurally-relevant application is not possible in accordance with approval requirements. Greater depth of embedment is required.

<sup>(2)</sup> To avoid extra costs resulting from drill bit wear or fatigue fracture, Hilti recommends predrilling using a short drill bit of the same diameter.

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