

Bar Size	Area	Top Bars ⁽¹⁾	Others ⁽²⁾	Top Bars ⁽³⁾	Others ⁽⁴⁾
#10	71	430	380	345	305
#13	129	560	495	450	395
#16	199	685	605	550	485
#19	284	815	720	655	575
#22	387	1045	925	840	740
#25	510	1380	1215	1105	975
#29	645	1745	1540	1395	1230
#32	819	2210	1950	1770	1560
#36	1006	2715	2395	2175	1920
#43	1452	3375	2980	2700	2385
#57	2581	4590	4050	3670	3240

Notes:

- (1) $1.7 \times l_d$
- (2) $1.5 \times l_d$
- (3) $1.7 \times 0.8 \times l_d$
- (4) $1.5 \times 0.8 \times l_d$
5. All lengths are in millimeters, and are modified for ≥ 150 mm spacing and minimum 75 mm clear spacing between bars.
6. $d_b < \text{Cover}$; $2d_b < \text{Clear Spacing}$
7. Values are for normal weight concrete.
8. Top bars are horizontal bars with more than 300 mm of fresh concrete below the reinforcement.

DEVELOPMENT LENGTHS FOR EPOXY COATED BARS IN TENSION

$$f'_c = 28 \text{ MPa}$$

Figure 62-2H