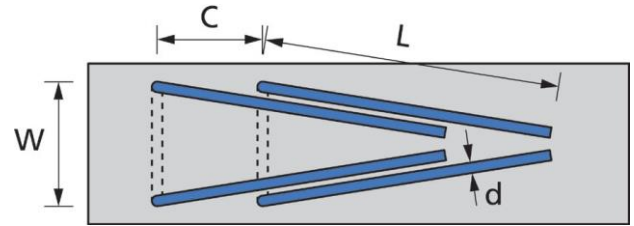


FERBOX[®] maximum lap length guidance

The geometrical relationship between bar diameter, width and centres ('d', 'W' and 'C' on sketch) dictate space available (within the casing) to accommodate lap legs ('L'). The tables below plot the maximum laps possible or practical (and the resultant multiples of bar diameter) for various bar width and spacing scenarios.



Bar 'd'	12 Ø	Bar centres 'C' (along casing length) in mm									
		75	100	125	150	175	200	225	250	275	300
70	L135 11.3 d	L180 15.0 d	L225 18.8 d	L270 22.5 d	L315 26.3 d	L360 30.0 d	L405 33.8 d	L455 37.9 d	L500 41.7 d	L545 45.4 d	
80	L165 13.8 d	L220 18.3 d	L275 22.9 d	L330 27.5 d	L385 32.1 d	L440 36.7 d	L495 41.3 d	L550 45.8 d	L605 50.4 d	L665 55.4 d	
90	L195 16.3 d	L260 21.7 d	L325 27.1 d	L390 32.5 d	L455 37.9 d	L520 43.3 d	L585 48.8 d	L650 54.2 d	L715 59.6 d	L720 60.0 d	
100	L225 18.8 d	L300 25.0 d	L375 31.3 d	L450 37.5 d	L525 43.8 d	L600 50.0 d	L675 56.3 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
110	L255 21.3 d	L340 28.3 d	L425 35.4 d	L510 42.5 d	L595 49.6 d	L680 56.7 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
120	L285 23.8 d	L380 31.7 d	L475 39.6 d	L570 47.5 d	L665 55.4 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
130	L310 25.8 d	L415 34.6 d	L520 43.3 d	L625 52.1 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
140	L340 28.3 d	L455 37.9 d	L570 47.5 d	L685 57.1 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
150	L370 30.8 d	L495 41.3 d	L620 51.7 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
160	L400 33.3 d	L535 44.6 d	L670 55.8 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
170	L430 35.8 d	L575 47.9 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
180	L460 38.3 d	L615 51.3 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
190	L490 40.8 d	L655 54.6 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
200	L520 43.3 d	L695 57.9 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
210	L550 45.8 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
220	L580 48.3 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
230	L610 50.8 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
240	L640 53.3 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
250	L670 55.8 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
260	L700 58.3 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
270	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
280	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
290	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	
300	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	L720 60.0 d	

The maximum lap lengths expressed in this grey part of the table are all based on 60 times bar diameter. For the given configurations, these are not the maximum lap lengths technically possible, but are the maximum lap lengths which are sensibly practical (in consideration of the lap length's influence on casing length, casing weight, transport, site handling and safety). Please ask us for further guidance if your requirement doesn't appear to be catered for.

Bar 'd'	16 Ø	Bar centres 'C' (along casing length) in mm									
		75	100	125	150	175	200	225	250	275	300
100	L150 9.4 d	L200 12.5 d	L250 15.6 d	L300 18.8 d	L350 21.9 d	L400 25.0 d	L450 28.1 d	L500 31.3 d	L555 34.7 d	L605 37.8 d	
110	L170 10.6 d	L230 14.4 d	L285 17.8 d	L345 21.6 d	L405 25.3 d	L460 28.8 d	L520 32.5 d	L575 35.9 d	L635 39.7 d	L690 43.1 d	
120	L195 12.2 d	L260 16.3 d	L325 20.3 d	L390 24.4 d	L455 28.4 d	L520 32.5 d	L585 36.6 d	L650 40.6 d	L715 44.7 d	L780 48.8 d	
130	L215 13.4 d	L290 18.1 d	L360 22.5 d	L435 27.2 d	L505 31.6 d	L580 36.3 d	L650 40.6 d	L725 45.3 d	L800 50.0 d	L870 54.4 d	
140	L240 15.0 d	L320 20.0 d	L400 25.0 d	L480 30.0 d	L560 35.0 d	L640 40.0 d	L720 45.0 d	L800 50.0 d	L880 55.0 d	L960 60.0 d	
150	L260 16.3 d	L350 21.9 d	L435 27.2 d	L525 32.8 d	L610 38.1 d	L700 43.8 d	L785 49.1 d	L875 54.7 d	L960 60.0 d	L960 60.0 d	
160	L285 17.8 d	L380 23.8 d	L475 29.7 d	L570 35.6 d	L665 41.6 d	L760 47.5 d	L855 53.4 d	L950 59.4 d	L960 60.0 d	L960 60.0 d	
170	L305 19.1 d	L405 25.3 d	L510 31.9 d	L610 38.1 d	L715 44.7 d	L815 50.9 d	L920 57.5 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
180	L325 20.3 d	L435 27.2 d	L545 34.1 d	L655 40.9 d	L765 47.8 d	L875 54.7 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
190	L350 21.9 d	L465 29.1 d	L585 36.6 d	L700 43.8 d	L820 51.3 d	L935 58.4 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
200	L370 23.1 d	L495 30.9 d	L620 38.8 d	L745 46.6 d	L870 54.4 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
210	L395 24.7 d	L525 32.8 d	L660 41.3 d	L790 49.4 d	L920 57.5 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
220	L415 25.9 d	L555 34.7 d	L695 43.4 d	L835 52.2 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
230	L440 27.5 d	L585 36.6 d	L730 45.6 d	L880 55.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
240	L460 28.8 d	L615 38.4 d	L770 48.1 d	L925 57.8 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
250	L485 30.3 d	L645 40.3 d	L805 50.3 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
260	L505 31.6 d	L675 42.2 d	L845 52.8 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
270	L525 32.8 d	L705 44.1 d	L880 55.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
280	L550 34.4 d	L735 45.9 d	L920 57.5 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
290	L570 35.6 d	L765 47.8 d	L955 59.7 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	
300	L595 37.2 d	L795 49.7 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	L960 60.0 d	

The maximum lap lengths expressed in this grey part of the table are all based on 60 times bar diameter. For the given configurations, these are not the maximum lap lengths technically possible, but are the maximum lap lengths which are sensibly practical (in consideration of the lap length's influence on casing length, casing weight, transport, site handling and safety). Please ask us for further guidance if your requirement doesn't appear to be catered for.