Spreads.TimePeriod bits layout

https://github.com/buybackoff/Spreads/tree/master/src/Period

	Tick T	Milli L	Sec S	Min I	Hour H	Day D	Week W* (7D)	Month M	Quarter Q* (3M)	Year Y* (12M)	
63	1		is tick?						0		
62	Number of ticks since zero (1/1/1900)	0	0	0	1	1	<-	1	<-	<-	Period
61		0	1	1	0	0	<-	1	**Unit period****	<-	
60		1	0	1	0	1	<-	0	<-	<-	
59–50		Number of base periods in a period, 0-1023. E.g. for 1 week it is 7, for 1 quarter it is 3, for 1 year it is 12									
49–33		Months since zero (1/1/1900, 0-4096), takes 12 bits									Start Time in UTC
36–33		Days in a month (0-30), takes 5 bits									
32–6		Milliseconds in a day (0- 86 400 000), takes 27 bits									
5–0	Not used. If ever more precision is needed, here could be 1/50 of msec/ticks - 2 nsecs for point in time or 20 microsec for periods. There is a redundant UnitPeriod zero (bin 000) value that is currenly used for Ticks, but 63rd bit duplicates it. Do not bother with it now.										Optional additional info

* a shortcut for a composite period

** base period of 7 (111 in bin) is eternity, used for static/constant values