

These self-locking hexagon flange nuts are designated property class 8 (M 5 - M 10) or 10 (M 12 - M 16). Class 8 nuts are to be used with bolts in class 8.8 or class 90, and class 10 nuts mate with bolts in property class 10.9 or 100.

Special features of these self-locking flange nuts are:

- The resilient toothed flange ensures excellent self-locking properties.
- The smooth bearing surface in the center of the flange guarantees a high clamping force and reduces relaxation.
- Large (oversized) or slotted holes can be covered by the flange.
- No other locking elements or washers are necessary.

The below table provides values for the advised assembly preload (F_M in kN) and tightening torque (M_A in Nm) for use with clamped materials as indicated.

Class	Clamped material	M 5		M 6		M 8		M 10		M 12		M 16	
		F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A
8	Steel	6,35	9	9	16	16,5	34	26,2	58	-	-	-	-
	Malleable iron	6,35	7	9	13	16,5	28	26,2	49	-	-	-	-
10	Steel	-	-	-	-	-	-	-	-	54	120	102	280
	Malleable iron	-	-	-	-	-	-	-	-	54	105	102	260