

These self-locking hexagon flange bolts are designated property class '90' or '100'. The flange bolts are case hardened in order to perform their self-locking function, and therefore cannot be classified as property class 9.8 or 10.9, although their tensile strength is at least 900 resp. 1040 MPa.

Special features of these self-locking flange bolts 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
90	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	-	-	-	-
100	Steel	-	-	-	-	-	-	-	-	54	120	102	280
	Malleable iron	-	-	-	-	-	-	-	-	54	105	102	260