

Centring clamps

round



Material:
Carbon steel.

Version:
Hardened (33–39 HRC) and black oxidised.

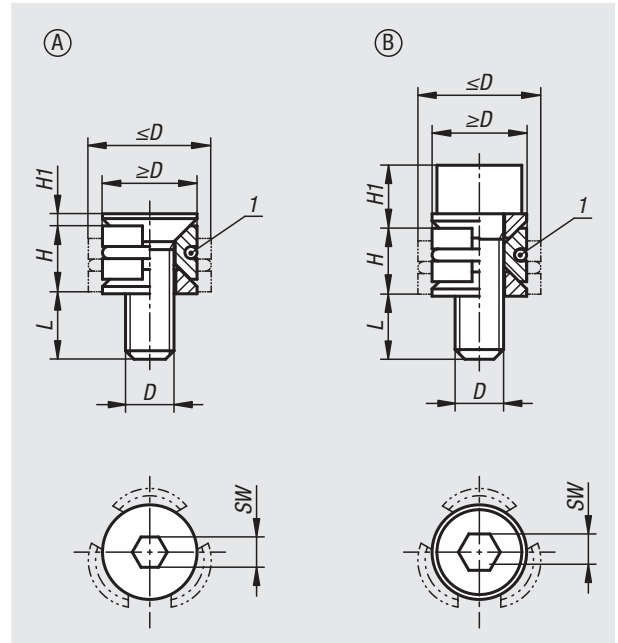
Sample order:
nlm 03164-10804

Note:
The centring clamp enables a workpiece to be centred and clamped in the bore.
The wedges generate higher clamping forces.
The centring clamp is available with a cap screw or countersunk screw.
Centring clamp with pull-down effect.

Drawing reference:
Form A: with countersunk screw
Form B: with cap screw

Dimension H refers to the height at $\geq D$.
Dimension L refers to the length at $\leq D$

1) O-ring



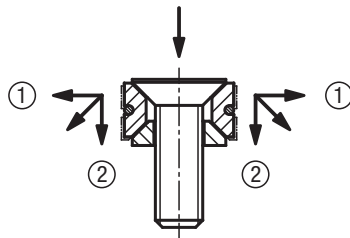
Order No.	Form	D	D min.	D max.	H	H1	L	SW	Clamping force max. kN	Tightening torque Nm
03164-10804	A	M4x12	8	10,3	5,5	0,9	7,3	2,5	0,9	2,1
03164-11005	A	M5X15	10	12,3	6,4	1,1	9,1	3	1,5	4,3
03164-11206	A	M6X18	12	16,3	8,6	1,3	11,2	4	2,1	7,3
03164-11608	A	M8X25	16	22	11,5	1,6	16,2	5	4	18
03164-20804	B	M4x12	8	10,3	5,5	5,1	7,1	3	1,5	2,7
03164-21005	B	M5X15	10	12,3	6,4	6,2	9	4	2,5	5,4
03164-21206	B	M6X18	12	16,3	8,6	7,9	10,6	5	5	9,1
03164-21608	B	M8X25	16	22	11,5	10,4	15,4	6	9	25

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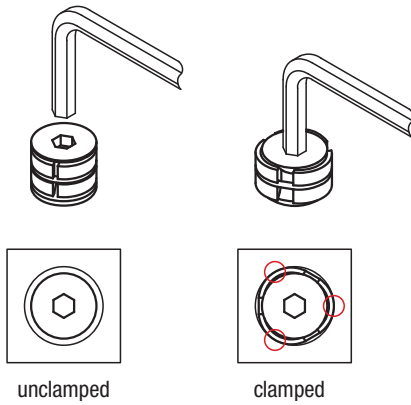
Technical information:

- These clamps grip the inside diameter of a workpiece.
- The wedge shape enables high clamping forces on the workpiece.

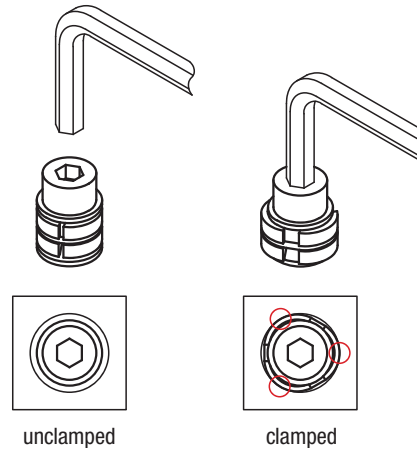


- (Jaws exert positive down force)
- ① Horizontal thrust against workpiece
 - ② Vertical thrust prevents the workpiece lifting

Form A:

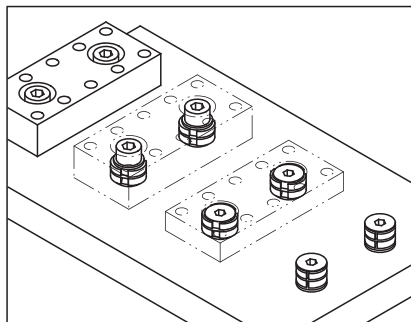


Form B:

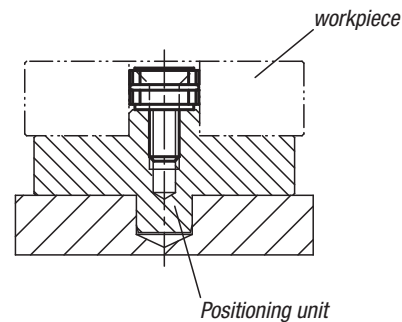


Note:

The clamp makes point contact with the bore wall when clamped.



For accurate repeat positioning use these clamps together with a positioning unit. Clamping is carried out with the centring clamp.



Positioning unit