

Item description/product images

**Description****Product description:**

The functioning principle make the wedge clamps ideal for multi-clamping. The wedge shape creates high clamping forces. These wedge clamps set into a T-slot for clamping. Tightening the clamping screw moves the clamping segments outwards and presses the workpiece against the fixed jaws of the machining fixture. The wedge has a slightly elongated hole allowing for movement to compensate for tolerances. Displacement: M12 = ± 1.0 mm, M16 = ± 1.5 mm.

Material:

Double wedge and clamping segments mild steel.

Version:

Double wedge and clamping segments hardened, phosphated.

Note:

The two screw-on holes in the clamping faces also enable seating ledges to be mounted so as to optimise the clamping depth of the workpieces. The underside is carbide-coated. This increases the coefficient of friction.

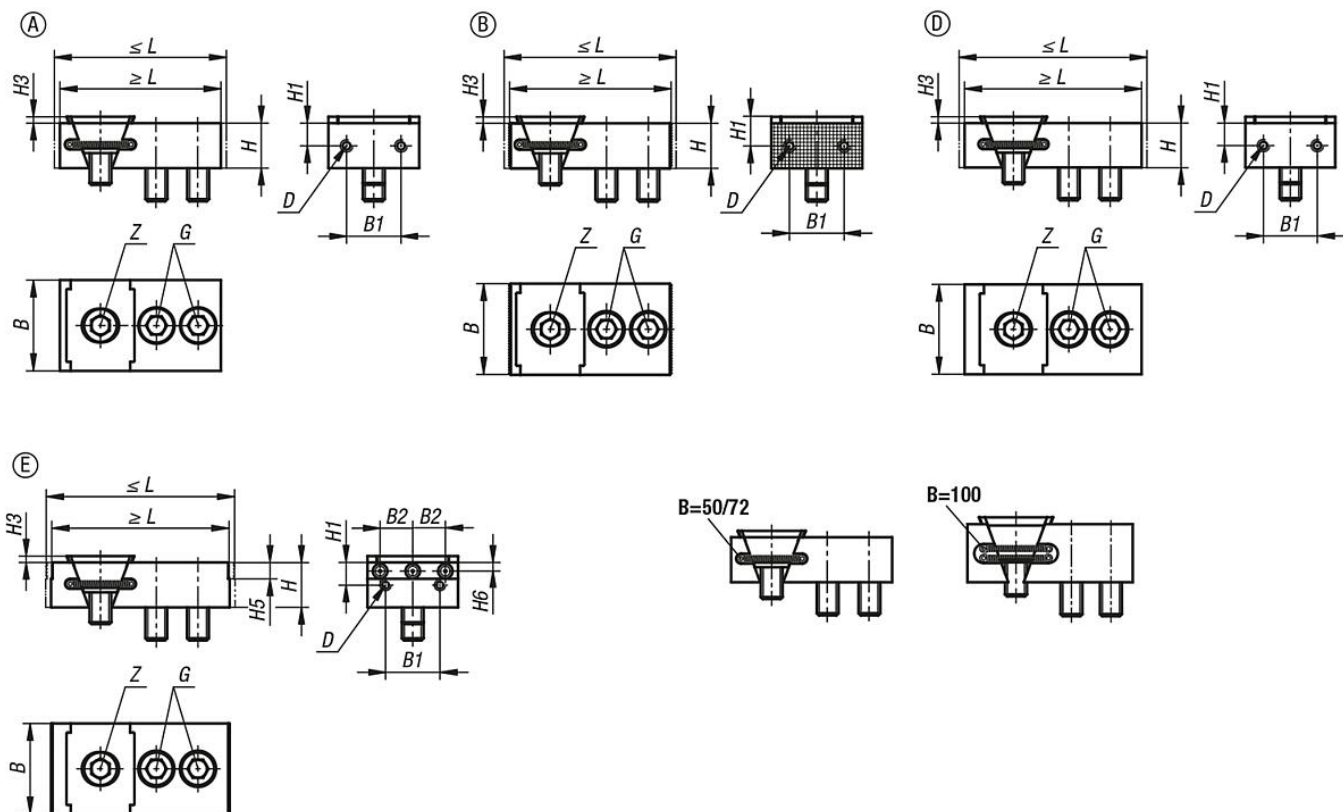
Supplied with:

Wedge clamps
Fastening screws.

Drawing reference:

Form A: Smooth jaw face
Form B: Serrated jaw face
Form D: With machining allowance
Form E: With jaw pins

Drawings



Overview of items

Order No.	Form	Form definition	L	L	B	H	B1	B2	H1	H3	H5	H6
			min.	max.								
04451-0500112	A	smooth	88,5	94,5	50	25	30	-	12,5	3,5	-	-
04451-0720112	A	smooth	113,3	120,7	72	39,7	44	-	21,3	3,5	-	-
04451-0720116	A	smooth	113,3	120,7	72	39,7	44	-	21,3	3,5	-	-
04451-1000116	A	smooth	121,5	131,5	100	42,6	64	-	21,6	5	-	-
04451-0500212	B	serrated	88,5	94,5	50	25	30	-	12,5	3,5	-	-
04451-0720212	B	serrated	113,3	120,7	72	39,7	44	-	21,3	3,5	-	-
04451-0720216	B	serrated	113,3	120,7	72	39,7	44	-	21,3	3,5	-	-
04451-1000216	B	serrated	121,5	131,5	100	42,6	64	-	21,6	5	-	-
04451-0500412	D	with machining allowance	98,5	104,5	50	25	30	-	12,5	3,5	-	-
04451-0720412	D	with machining allowance	123,3	130,7	72	39,7	44	-	21,3	3,5	-	-
04451-0720416	D	with machining allowance	123,3	130,7	72	39,7	44	-	21,3	3,5	-	-
04451-1000416	D	with machining allowance	131,3	141,2	100	42,6	64	-	21,6	5	-	-
04451-0500512	E	with pins	98	104	50	25	30	18	12,5	3,5	9	4,75
04451-0720512	E	with pins	122,7	130,1	72	39,7	44	27	21,3	3,5	9	4,75
04451-0720516	E	with pins	122,7	130,1	72	39,7	44	27	21,3	3,5	9	4,75
04451-1000516	E	with pins	130,7	140,6	100	42,6	64	40	21,6	5	9	4,75

Order No.	Form	Form definition	D	G	Z	Clamping force max. kN	Tightening torque max. Nm
			Internal thread	cap screw DIN 912	cap screw DIN 912		
04451-0500112	A	smooth	M5	M12x30	M12x25	30	85
04451-0720112	A	smooth	M6	M12x50	M12x40	30	85
04451-0720116	A	smooth	M6	M16x50	M16x40	50	150
04451-1000116	A	smooth	M8	M16x50	M16x40	50	150
04451-0500212	B	serrated	M5	M12x30	M12x25	30	85
04451-0720212	B	serrated	M6	M12x50	M12x40	30	85
04451-0720216	B	serrated	M6	M16x50	M16x40	50	150
04451-1000216	B	serrated	M8	M16x50	M16x40	50	150
04451-0500412	D	with machining allowance	M5	M12x30	M12x25	30	85
04451-0720412	D	with machining allowance	M6	M12x50	M12x40	30	85
04451-0720416	D	with machining allowance	M6	M16x50	M16x40	50	150

Overview of items

Order No.	Form	Form definition	D Internal thread	G cap screw DIN 912	Z cap screw DIN 912	Clamping force max. kN	Tightening torque max. Nm
04451-1000416	D	with machining allowance	M8	M16x50	M16X40	50	150
04451-0500512	E	with pins	M5	M12x30	M12x25	30	85
04451-0720512	E	with pins	M6	M12X50	M12X40	30	85
04451-0720516	E	with pins	M6	M16x50	M16X40	50	150
04451-1000516	E	with pins	M8	M16x50	M16X40	50	150