

Wedge clamps with fixed jaw for multi-clamping system

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. Tightening the clamping screw moves the clamping segments outwards and press the workpieces against the fixed jaws. The wedge has a slightly elongated hole allowing for movement to compensate for tolerances.

Displacement: M12 = ± 1 mm, M16 = ± 1.5 mm.

Material:

Double wedge and clamping segments mild steel.

Version:

Double wedge and clamping segments hardened, phosphated.

Note:

These wedge clamps can only be used in conjunction with the clamping rail K1746 for multiple clamping.

The lateral fastening holes are used to fasten workpiece stops.

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.

Advantages:

The lateral scale on the clamping rail and the fixed jaw guarantees a very high repeat clamping accuracy.

Supplied with:

Wedge clamps

Fastening screws.

Slot keys.

Drawing reference:

Form A: Smooth jaw face

Form B: Serrated jaw facet

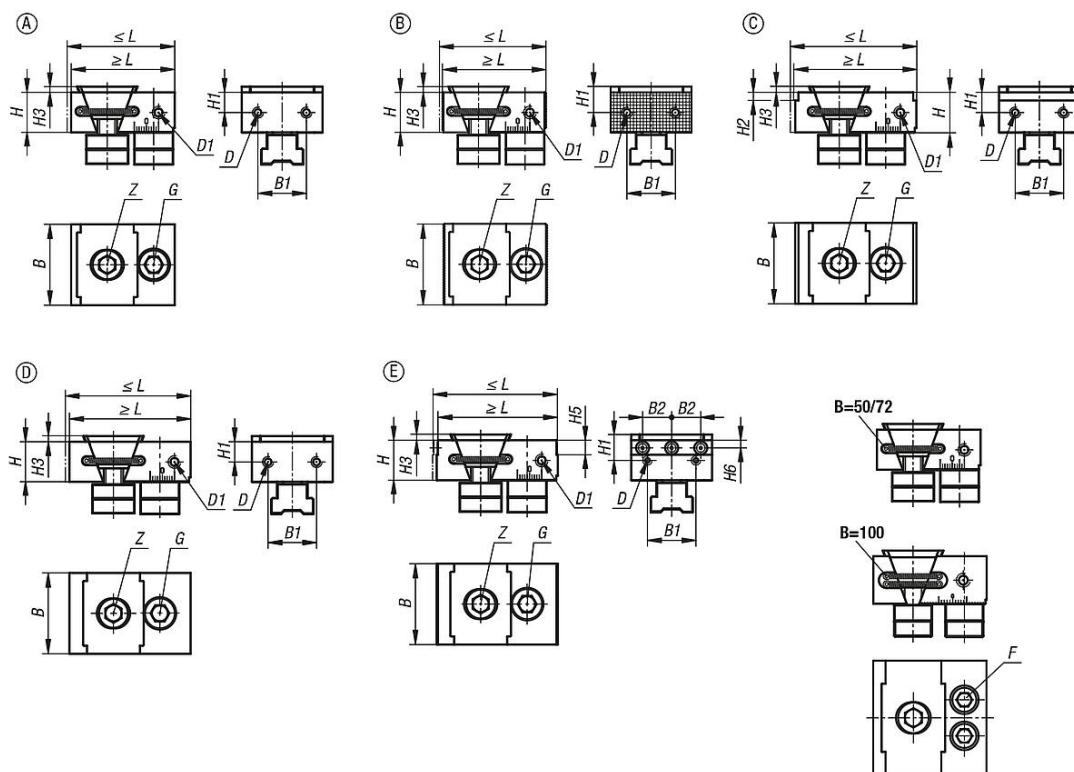
Form C: With step

Form D: With machining allowance

Form E: With jaw pins

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Drawings



Overview of items

Wedge clamps with fixed jaw for multi-clamping system

Order No.	Form	Form definition	L min.	L max.	B	H	B1	B2	H1	H2	H3	H5	H6
K1749.0500112	A	smooth	64	70	50	25	30	-	12,5	-	3,5	-	-
K1749.0720116	A	smooth	86	93	72	39,7	44	-	21,3	-	3,5	-	-
K1749.1000116	A	smooth	101,5	111,5	100	42,6	64	-	21,6	-	5	-	-
K1749.0500212	B	serrated	64	70	50	25	30	-	12,5	-	3,5	-	-
K1749.0720216	B	serrated	86	93	72	39,7	44	-	21,3	-	3,5	-	-
K1749.1000216	B	serrated	101,5	111,5	100	42,6	64	-	21,6	-	5	-	-
K1749.0502312	C	2 mm steps	71	77	50	25	30	-	12,5	2	3,5	-	-
K1749.0505312	C	5 mm steps	71	77	50	25	30	-	12,5	5	3,5	-	-
K1749.0722316	C	2 mm steps	91,2	98,6	72	39,7	44	-	21,3	2	3,5	-	-
K1749.0725316	C	5 mm steps	91,2	98,6	72	39,7	44	-	21,3	5	3,5	-	-
K1749.1002316	C	2 mm steps	107,5	117,5	100	42,6	64	-	21,6	2	5	-	-
K1749.1005316	C	5 mm steps	107,5	117,5	100	42,6	64	-	21,6	5	5	-	-
K1749.0500412	D	with machining allowance	75	81	50	25	30	-	12,5	-	3,5	-	-
K1749.0720416	D	with machining allowance	95	103	72	39,7	44	-	21,3	-	3,5	-	-
K1749.1000416	D	with machining allowance	111,5	121,5	100	42,6	64	-	21,6	-	5	-	-
K1749.0500512	E	with pins	74,5	80,5	50	25	30	18	12,5	-	3,5	9	4,75
K1749.0720516	E	with pins	94,6	102	72	39,7	44	27	21,3	-	3,5	9	4,75
K1749.1000516	E	with pins	111	121	100	42,6	64	40	21,6	-	5	9	4,75

Order No.	Form	Form definition	B	D Internal thread	D1	F Socket head screw DIN 912	G cap screw DIN 912	Z cap screw DIN 912	Clamping force max. kN	Tightening torque max. Nm
K1749.0500112	A	smooth	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0720116	A	smooth	72	M6	M6	-	M16x50	M16x40	50	150
K1749.1000116	A	smooth	100	M8	M8	M14X1,5X50	-	M16X40	50	150
K1749.0500212	B	serrated	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0720216	B	serrated	72	M6	M6	-	M16x50	M16X40	50	150
K1749.1000216	B	serrated	100	M8	M8	M14X1,5X50	-	M16X40	50	150

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K1749.0502312	C	2 mm steps	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0505312	C	5 mm steps	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0722316	C	2 mm steps	72	M6	M6	-	M16x50	M16X40	50	150
K1749.0725316	C	5 mm steps	72	M6	M6	-	M16x50	M16X40	50	150
K1749.1002316	C	2 mm steps	100	M8	M8	M14X1,5X50	-	M16X40	50	150
K1749.1005316	C	5 mm steps	100	M8	M8	M14X1,5X50	-	M16X40	50	150
K1749.0500412	D	with machining allowance	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0720416	D	with machining allowance	72	M6	M6	-	M16x50	M16X40	50	150
K1749.1000416	D	with machining allowance	100	M8	M8	M14X1,5X50	-	M16X40	50	150
K1749.0500512	E	with pins	50	M5	M6	-	M12x30	M12x25	30	85
K1749.0720516	E	with pins	72	M6	M6	-	M16x50	M16X40	50	150
K1749.1000516	E	with pins	100	M8	M8	M14X1,5X50	-	M16X40	50	150