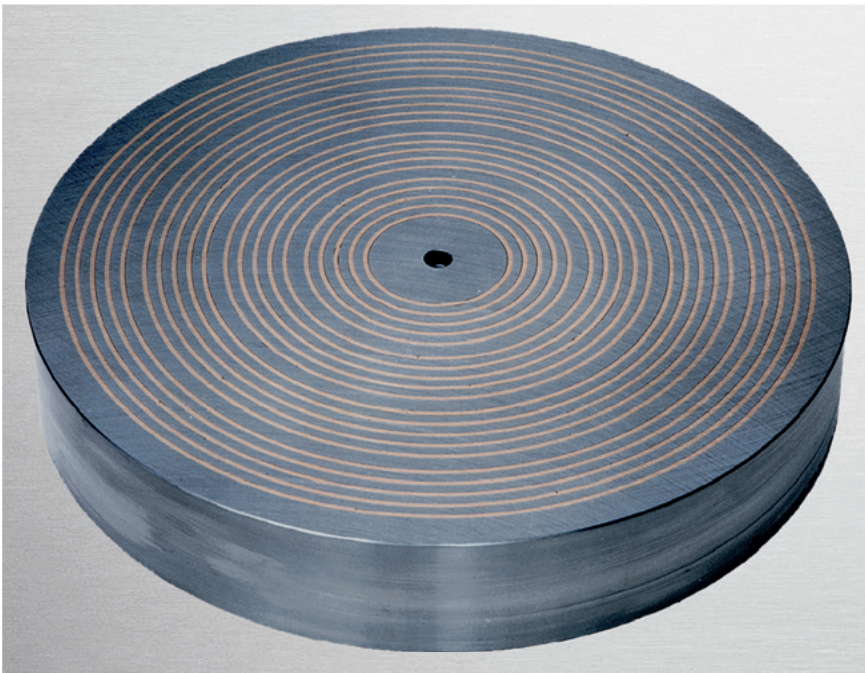


Electro-Permanent-Magnet-Clamping-Chuck



Electro-Permanent-Magnet-Clamping-Chuck Type 1230 with ring pole pitch are particularly suitable for eccentric clamping of mass-produced parts or also clamping thin workpieces, such as saw blades.

The object can be centered using the locating hole in the center of the clamping surface.

The standard pole spacings of 9 and 18 mm ensure even holding forces over the complete clamping range. The brass pole gap ensures optimal heat dissipation, in particular if thin workpieces are used.

The center of the pole plate allows for the realization of centering aids, threaded holes and locating holes.

The use of temporary pole plates with different workpiece specific inserts is particularly suited for this type of pole spacing.

Electro permanent magnet clamping chucks are magnetized and demagnetized through power pulses from the pole reversal control unit. During the machining process any power supply is disconnected. This ensures no heat is generated by the integrated coil when the magnet is activated. This also prevents inaccuracies resulting from variations in temperature. In case of power failure the activated magnet clamping chuck maintains full holding force. The magnet clamping chuck provides all the preconditions for precision, operational safety and ease of use.

With its pluggable socket the magnet clamping chuck with clamped workpieces can be used variably on pallet changers.

Design:

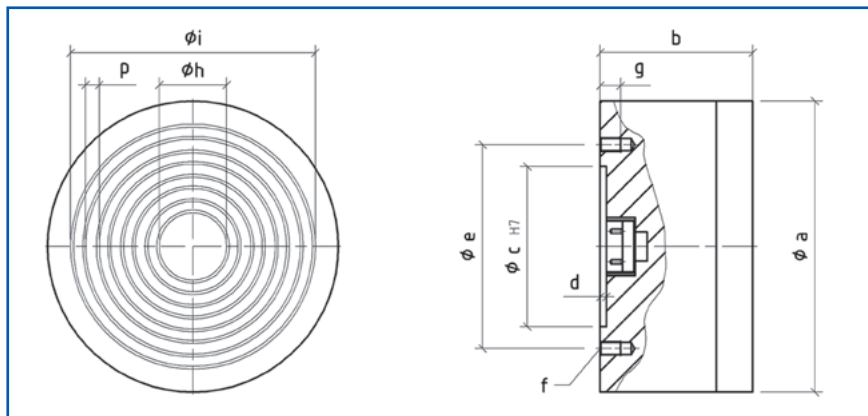
- Protection class IP 67 (except electrical connection)
- Magnet operating time: 100 %

Electrical connection via:

Electronic type 754, 755 and 756 pole-reversal control units.

These devices, designed especially for controlling clamping magnets, function to facilitate the power supply and simultaneously as demagnetisation devices. A microprocessor controls and monitors all functions and offers optimal switching comfort with numerous control and monitoring functions. The adhesive force is adjustable in up to 16 stages. In addition, these pole-reversal control units also allow additional configuration of parameters and optimised settings. All device types offer particularly impressive shifting dynamics.

For individual details, please see brochures 754, 755 and 756.



Electro-Permanent-Magnet-Clamping- Chuck

Type 1230

with ring pole spacing

Characteristics:

- Highest level of precision -
- Activated magnet remains cold.
- Highest level of safety -
- Holding force even after power failure.
- Energy-conscious -
- Power used only for short pulses.

Dimensions and technical data:

Type	p pole space	a	b	c	d	e	f Thread	g	h non-magn. zone	i	Weight	Connection value Pole-reversal control unit
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[kg]	[V/A]*
1230-30-9	9	300	100	160	3	190	4xM12	12	76	262	50	360/30
1230-30-18	18	300	100	160	3	190	4xM12	12	66	274	50	360/30
1230-40-9	9	400	100	210	4	250	6xM12	16	92	366	85	360/30
1230-40-18	18	400	100	210	4	250	6xM12	16	94	358	85	360/30
1230-50-9	9	500	100	280	4	320	6xM12	16	92	462	135	360/30
1230-50-18	18	500	100	280	4	320	6xM12	16	92	446	135	360/30
1230-60-9	9	600	100	350	4	390	6xM16	18	78	552	195	360/30
1230-60-18	18	600	100	350	4	390	6xM16	18	70	562	195	360/30
1230-70-9	9	700	100	400	4	450	6xM16	18	158	642	265	360/30
1230-70-18	18	700	100	400	4	450	6xM16	18	92	628	265	360/30
1230-80-9	9	800	100	450	4	500	6xM16	18	96	764	365	360/30
1230-80-18	18	800	100	450	4	500	6xM16	18	92	772	365	360/30
1230-90-9	9	900	100	500	4	560	8xM16	18	80	860	440	360/60
1230-90-18	18	900	100	500	4	560	8xM16	18	166	850	440	360/60
1230-100-9	9	1000	100		Backside as agreed				92	944	550	360/60
1230-100-18	18	1000	100		Backside as agreed				92	952	550	360/60
1230-110-9	9	1100	125		Backside as agreed				96	1056	830	360/60
1230-110-18	18	1100	125		Backside as agreed				92	1060	830	360/60
1230-120-9	9	1200	125		Backside as agreed				168	1148	990	360/60
1230-120-18	18	1200	125		Backside as agreed				70	1138	990	360/60
1230-125-9	9	1250	125		Backside as agreed				96	1200	1070	360/60x2
1230-125-18	18	1250	125		Backside as agreed				92	1204	1070	360/60x2
1230-130-9	9	1300	125		Backside as agreed				170	1236	1160	360/60x2
1230-130-18	18	1300	125		Backside as agreed				166	1226	1160	360/60x2
1230-140-9	9	1400	125		Backside as agreed				166	1326	1350	360/60x2
1230-140-18	18	1400	125		Backside as agreed				166	1326	1350	360/60x2
1230-150-9	9	1500	125		Backside as agreed				166	1426	1550	360/60x2
1230-150-18	18	1500	125		Backside as agreed				166	1426	1550	360/60x2

Other dimensions and pole spacings are available upon request
210 V D.C. variants are also available



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