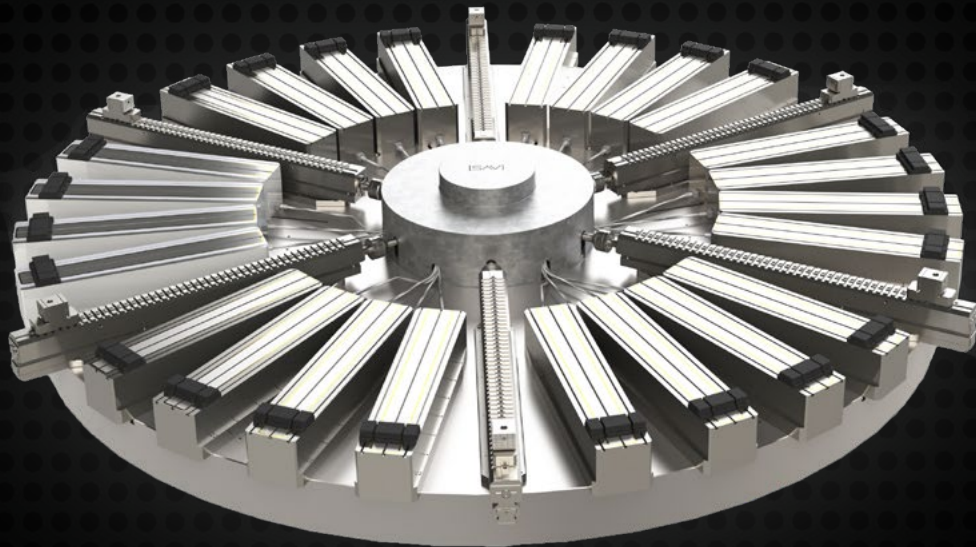


Self centering magnetic chuck – Radial pole pitch and integrated jaw chuck

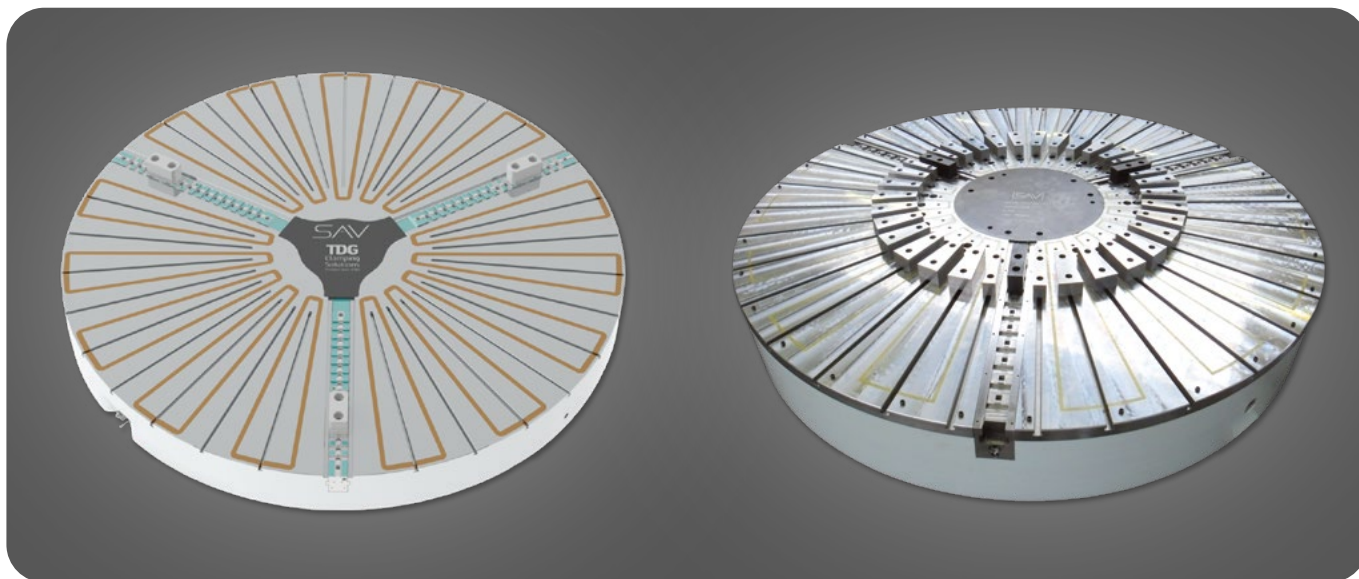
SAV 244.76



SAV 244.76

SELF CENTERING MAGNETIC CHUCK

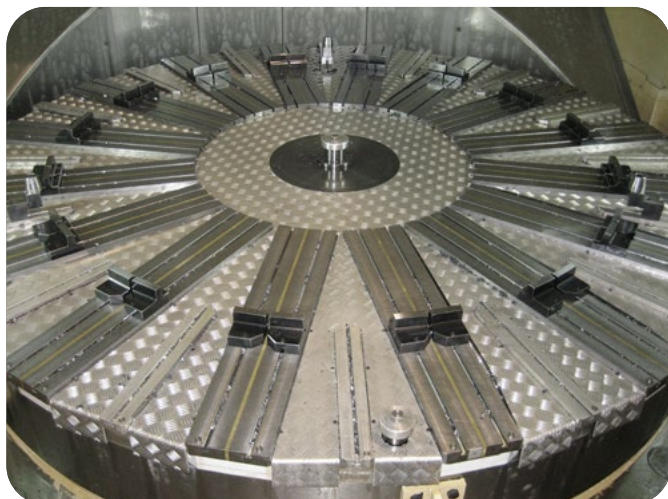
Radial pole pitch and integrated jaw chuck
SAV powered by TDG



**CLAMPING KNOWLEDGE OF SAV & TDG COMBINED.
YOUR GLOBAL PARTNER FOR COMBINED CLAMPING SYSTEMS
MORE THAN 40 & 100 YEARS OF EXPERIENCE TO THE TABLE.**



Magnetic clamping Technology in perfection. SAV is one of the pioneers in the development, production and worldwide implementation of high-performance standard and special solutions. **Our focus:** customer orientation for optional processes and minimized costs - even in the μm range.



Offers high-precision solutions in the design and manufacturing of large-diameter manual and automatic lathe chucks, and we make them smart.

Thanks to the combination of new technologies, a highly-skilled product design and development team and over 100 years' experience, we can provide agile and innovative solutions to manufacturing challenges in highly demanding sectors such as energy, shipbuilding, railways, aeronautics or aerospace, among others.

Attention to clients' needs, advanced management systems and a commitment to maximum process quality allow us to offer solutions to complex needs and new challenges.

SAV 244.76
SELF CENTERING MAGNETIC CHUCK

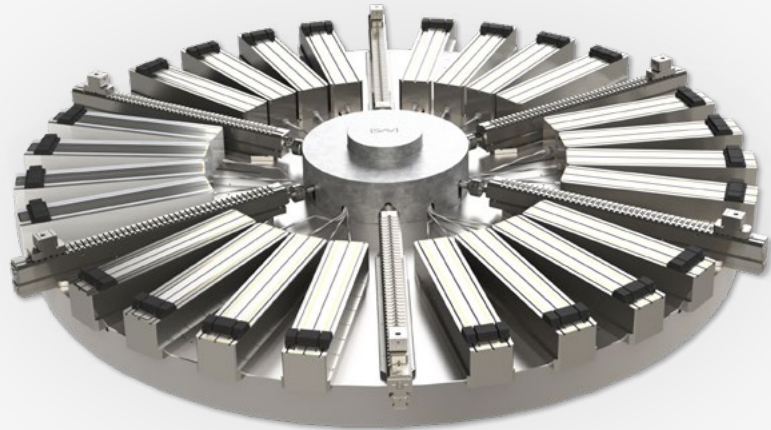
 Radial pole pitch and integrated jaw chuck
SAV powered by TDG


Combination of magnetic and mechanical workholding

Special clamping solutions for the most demanding sectors



Up to 7000 mm in diameter.


ADVANTAGES

- Reproducible centring
- Reliable process
- Option for combining first and second chucking
- Compact design (height from 170 mm)

DESIGN OF MAGNET SYSTEM

- Combination/hybrid magnet chuck type **SAV 244.76** with electro permanent magnetic principle, magnet system with amplified design, holding forces on inducible area up to 170 N/cm²
- Full metal pole plate with brass insulation and T-slots as per DIN 650-10H10 for mounting fixed and movable pole raisers
- 8 mm wear layer on the pole plate, can be replaced after many years of use and wear
- On request with heavy-duty power connector integrated into the circumference and as a quick-release coupling

RATED HOLDING FORCE

 Magnetic clamping force up to 170 N/cm²

Hydraulic clamping force up to be defined according to work piece rigidity

DESIGN EXAMPLE FOR CENTRING CHUCK

- Power chuck hydraulics or manually
- Centring accuracy of the chuck: up to 0,05 mm,
- centring range from: 450 – 7000 mm,
- magnetic chucking range from: 500 – 6950 mm
- Actuation of the jaw unlocking on the centring chuck with a control rod
- Spindle with precision bearing and sealing

SPECIAL FEATURE

- Resistant to emulsions as per IP 65
- Can be controlled with machine spindle using rotary transmitter
- Control with demagnetising cycle and eight holding force levels for pre-selection
- System with potential-free switching to the enable signals, complete integration into the machine controller possible; plug-in version with parking station for connector check and enable

mm	Pair	Qty.	mm	kg	A	
Diameter	Pole pairs	No. of jaws	Height	Active diameter	Weight	Control max. pul. Current
1000	12	3	180	450 - 950	1100	60
1200	12	3	180	450 - 1150	1600	60x2
1400	12	3	180	450 - 1350	2180	60x2
1600	12	6	180	500 - 1450	3160	60x2
1800	18	6	180	600 - 1750	4000	60x2
2000	18	6	180	800 - 1950	4940	60x3
3000	tbd.	tbd.	tbd.	tbd.	tbd.	tbd.
5000	tbd.	tbd.	tbd.	tbd.	tbd.	tbd.
7000	tbd.	tbd.	tbd.	tbd.	tbd.	tbd.

Other designs upon request, force actuation possible upon clarification of spindle integration.

ORDERING EXAMPLE

 Designation SAV no. - diameter x pole pairs - no. of jaws - magnet voltage
 Self centering magnetic chuck SAV 244.76 - 1800 x 18 - 6 - 360 V

„We design and manufacture chucks for lathes and milling machines, as well as all kinds of customized clamping solutions,“

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Process knowledge in many industries.

people.

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embedded within our companies.

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