

Heating tools

Safe and easy bearing removal in just 3 minutes

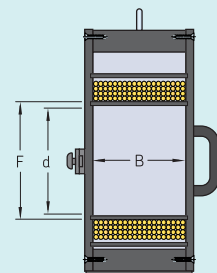
SKF Fixed Induction Heater EAZ series

The fixed size EAZ induction heaters are designed to safely and easily dismount, and mount, cylindrical roller bearing inner rings, which are often mounted with a very tight interference fit. The modular EAZ solution consists of one or two EAZ coils that are fitted for the application and connected to a matching control cabinet to power and operate the coil.

- **Perfect fit** - EAZ coils are specifically designed for a given inner ring to achieve optimum dismounting performance and safe operation.
- **Easy handling** - The lifting eye, two handles and a mechanism to lock the bearing inner ring inside the coil streamlines the dismounting process and helps the operator to safely handle the heater and hot ring.
- **Overheating protection** - The EAZ coils are equipped with an overheating protection circuit that stops the heating process when the internal coil temperature starts overheating.



Bearing Designation	Inner ring dimension (mm)			Fixed EAZ coil	
	F	B	d	Designation	Voltage and current information
315189 A	179	168	160	EAZ F179MV	MV: 400V, 105A / HV: 500V, 80A
314190	180	130	160	EAZ F180MV	MV: 400V, 85A / HV: 500V, 65A
313812	202	168	180	EAZ F202MV	MV: 400V, 85A / HV: 500V, 65A
313893	222	200	200	EAZ F222MV	MV: 400V, 125A / HV: 500V, 95A
313811	226	192	200	EAZ F226MV	MV: 400V, 120A / HV: 500V, 95A
313824	260	206	230	EAZ F260MV	MV: 400V, 160A / HV: 500V, 120A
313822	312	220	280	EAZ F312MV	MV: 400V, 160A / HV: 500V, 120A



Cylindrical roller bearings are essential machine components for applications in steel, railway and other industries. In many cases cylindrical roller bearings experience harsh operating conditions and need to be replaced frequently. Fixed size EAZ heaters and corresponding control cabinets offer fast, easy and safe dismounting and mounting of cylindrical roller bearing inner rings and similar components. Heating the inner ring creates expansion that overcomes the interference fit and allows the ring to be moved without damaging the shaft or the ring.

Fixed EAZ coils are made upon request to perfectly match your SKF bearing or ring dimensions and voltage execution. Please specify your application and supply detailed information with your request to your SKF partner.





Intuitive usage

Control cabinets

The SKF EAZ control cabinets are designed to enable the easy operation of the EAZ coils. It allows the user to conveniently set the heating parameters and control the heating process.

- **Intuitive usage** - The control cabinets feature an intuitive touch screen that helps the operator to quickly set up the heater and control the heating progress.
- **Automatic temperature control** - The control cabinets can automatically stop the heating process when the desired temperature is reached by utilizing a temperature probe on the inner ring.
- **Demagnetization for mounting and dismantling** - The control cabinets feature automatic demagnetization at the end of the heating process. This reduces contamination risks and allows the EAZ system to be used for both mounting and dismantling applications.
- **SSD version for two coils** - For applications where different EAZ coils are required (e.g. one coil to remove a labyrinth seal ring and another coil to remove a double-row CRB), both EAZ coils can be permanently connected to the cabinet and the user can select which coil is operated.

Technical data – EAZ control cabinets

Designation	No. of outputs	Voltage (+/- 5%)	Frequency	Max. amperage limit
EAZ CC225B	1x EAZ coil	400V	50Hz	225A
EAZ CC350B	1x EAZ coil	400V	50Hz	350A
EAZ CC225A	1x EAZ coil	500V	50Hz	225A
EAZ CC350A	1x EAZ coil	500V	50Hz	350A
EAZ CCD225B	2x EAZ coil	400V	50Hz	225A
EAZ CCD350B	2x EAZ coil	400V	50Hz	350A
EAZ CCD225A	2x EAZ coil	500V	50Hz	225A
EAZ CCD350A	2x EAZ coil	500V	50Hz	350A



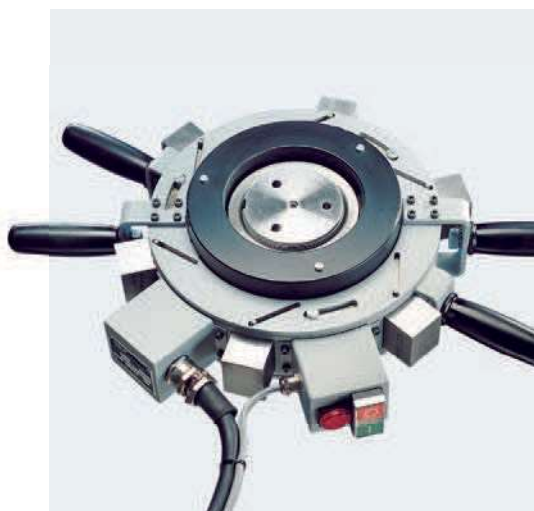
Two different menus for mounting and dismantling with an intuitive touch screen navigation



Easy operation with automatic temperature control that stops the heater when the selected temperature for mounting or dismantling is reached.



Heating tools



For frequent dismounting of cylindrical roller bearings

SKF Adjustable Induction Heaters EAZ series

The SKF EAZ 80/130 and EAZ 130/170 are used for frequent dismounting of cylindrical bearing inner rings. Where inner rings are removed infrequently, aluminium heating rings, SKF TMBR series, are also available. For larger cylindrical inner rings normally found in steel mill applications, SKF can supply special EAZ induction heaters.

- Covers most cylindrical bearings 65 to 130 mm (2.5 to 5.1 in.) bore diameter
- Wide range of power supplies
- Avoids shaft and bearing inner ring damage
- Fast and reliable bearing removal
- Up to n6 interference fit

Bearing selection chart (All E-types bearings included)

Designation	For bearings NJ-NUP					
EAZ 80/130	213–220	313–319	412–417	1014–1022	2213–2220	2313–2319
EAZ 130/170	222–228	321–324	419–422	1024–1030	2222–2228	2322–2324
Designation	For bearings NU					
EAZ 80/130	213–221	313–320	412–418	1014–1022	2213–2220	2313–2320
EAZ 130/170	222–228	321–326	419–424	1024–1030	2222–2228	2322–2326

Ordering designations

Designation	Power supply	Current	Designation	Power supply	Current
EAZ 80/130A	2 × 230 V/50 Hz	40 A	EAZ 130/170A	2 × 230 V/50 Hz	60 A
EAZ 80/130B	2 × 400 V/50 Hz	45 A	EAZ 130/170B	2 × 400 V/50 Hz	45 A
EAZ 80/130C	2 × 460 V/60 Hz	25 A	EAZ 130/170D	3 × 230 V/50 Hz	43 A
EAZ 80/130D	2 × 415 V/50 Hz	35 A	EAZ 130/170E	3 × 400 V/50 Hz	35 A
			EAZ 130/170H	3 × 415 V/50 Hz	30 A

Dimensions

Designation	EAZ 80/130	EAZ 130/170
Connection cable	5 m (16 ft)	5 m (16 ft)
Dimensions	a	134 mm (5.3 in.)
	b	50 mm (2.0 in.)
	c	80 ... 132 mm (3.1... 5.2 in.)
Weight	28 kg (62 lb)	35 kg (77 lb)

