

Heating tools



Dismounting

SKF's range of heating equipment enables quick and safe dismounting of cylindrical roller bearing inner rings and covers a wide range of applications. Aluminium heating rings TMBR series are designed for dismounting inner rings of small and medium-size cylindrical roller bearings. Adjustable and fixed induction heaters EAZ series are suitable for frequent dismounting of various sizes of cylindrical roller bearing inner rings.



For regular dismounting of cylindrical roller bearings

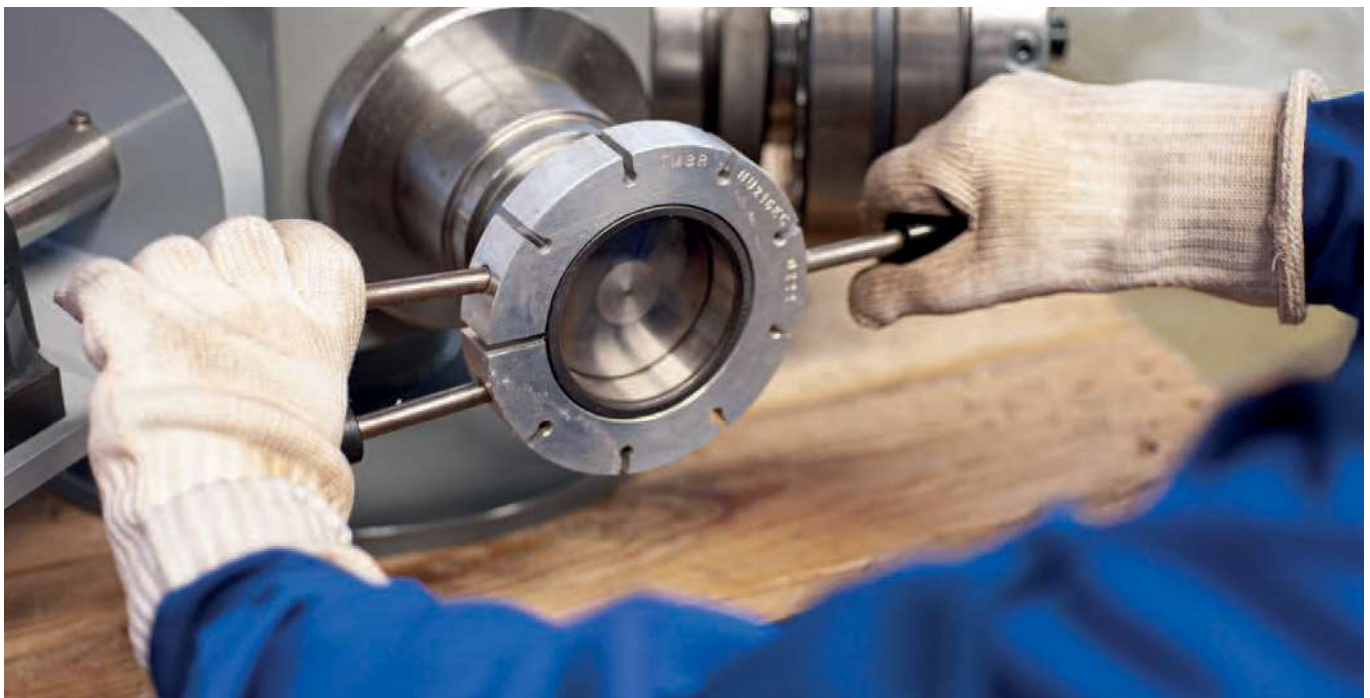
SKF Aluminium Heating Rings TMBR series

The aluminium heating rings are designed for dismounting inner rings of cylindrical roller bearings. After pre-heating the TMBR ring, it is clamped on the bearing inner ring to rapidly transfer the heat to the bearing ring and expand it for dismounting.

- Simple and easy-to-use
- Avoids shaft and bearing inner ring damage

Technical data

Designation	TMBR + bearing designation (e.g. TMBR NU216E)
Material	Aluminium
Maximum temperature	300 °C (572 °F)



SKF Aluminium Heating Rings TMBR series are produced to accurately fit a specific bearing ring. The lists with ordering details make it easy to find the right TMBR for a given bearing designation.

Orderings details - NJ

Bearing/ring designation	TMBR designation;
NJ 218 E ...	TMBR NJ218E
NJ 2318 E ...	TMBR NJ2318E

Orderings details - others

Bearing/ring designation	TMBR designation;
NUP 215	TMBR NUP215
313822	TMBR 313822
NJ 120x240 TN_VA820	
NJP 120x240 TN_VA820	TMBR 120X240
NJ 130x240 TN_VA820	
NJP 130x240 TN_VA820	TMBR NJ130X240

Dismounting procedure

- A** Clean the shaft, inner ring and aluminium ring. Make sure that there are no damages on the shaft that could prevent the bearing ring removal.
- B** Coat the raceway of the inner ring with an oil with following specifications:
- heat resisting 280 °C (536 °F)
 - heat transmitting
 - rust preventing
 - high viscosity
- C** Heat the aluminium ring to 280 °C (536 °F). For correct temperature control SKF advises the use of a thermometer, e.g. SKF Thermometer TKDT 10 or SKF Infrared Thermometer TKTL 20 which are both supplied with the standard surface probe TMDT 2-30.
- D** Place the aluminium ring around the bearing inner ring and press the handles together (or clamp locking device). Wait for a short time, then try to rotate the tool with the ring until it comes loose from the shaft.

Orderings details - NU

Bearing/ring designation	TMBR designation;
NU 1011 and NU 1011 E...	TMBR NU1011EC
NU 1018 M	TMBR NU1018
NU 1034	TMBR NU1034
NU 1036 ML	TMBR NU1036
NU 206 E ...	TMBR NU206EC
NU 209 E ...	TMBR NU209E
NU 210 E ...	TMBR NU210EC
NU 212	TMBR NU212
NU 213	TMBR NU213
NU 213 E ...	TMBR NU213E
NU 214	TMBR NU214
NU 214 E ...	TMBR NU214EC
NU 215 and NU 215 E ...	TMBR NU215
NUP 215	TMBR NUP215
NU 216 and NU 216 E ...	TMBR NU216EC
NU 217	TMBR NU217
NU 217 E ...	TMBR NU217EC
NJ 218 and NJ 218 E ...	TMBR NJ218E
NU 218 and NU 218 E ...	TMBR NU218
NU 219 E ...	TMBR NU219E
NU 2212 E ...	TMBR NU2212EC
NU 2213 E ...	TMBR NU2213E
NU 2214 E ...	TMBR NU2214E
NU 222	TMBR NU222
NU 2224 and NU 2224 E...	TMBR NU2224E
NU 226 E ...	TMBR NU226EC
NU 236 E ...	TMBR NU236E
NU 238 E ...	TMBR NU238EC
NU 310	TMBR NU310
NU 311	TMBR NU311
NU 312	TMBR NU312
NU 312 E ...	TMBR NU312EC
NU 313	TMBR NU313
NU 313 E ...	TMBR NU313EC
NU 314	TMBR NU314
NU 315	TMBR NU315
NU 316	TMBR NU316
NU 316 E ...	TMBR NU316E
NU 317	TMBR NU317
NU 318 E ...	TMBR NU318E
NU 319	TMBR NU319
NU 320 E ...	TMBR NU320EC
NU 322 and NU 322 E ...	TMBR NU322
NU 324	TMBR NU324