

# IMPROVED WORKER SAFETY AND QUICKER TURN-AROUND

NEXT GENERATION MAIN SHAFT WITH PUMP-RELEASE CONICAL SLEEVE



The main shaft sleeve is a vital wear component that protects the main shaft from wear caused by the feed material and by the spider bushing. Heating and grinding procedures are required during the service exchange of the sleeve because of its traditional cylindrical design. The maintenance process is time consuming, with health and safety aspects to take into consideration and a risk of accidentally grinding into the main shaft.

Using our expertise in crusher design, we developed an innovative solution for all our CS and CH crusher models. With a conical design of both the main shaft and the protective sleeve – combined with oil grooves embedded in the main shaft – it offers improved worker safety, shorter turnaround time, the elimination of grinder damage, and no heating process.

We've also toughened up our CH870i to CH895i main shafts so they're 65% stronger than before. That offers you more reliability, higher availability and a low risk of critical failure.

No grinding.

No heating.

80%  
quicker turn around.\*

\*Test results are to be considered as results reached under certain and controlled test conditions. These test results should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.

Next-generation parts mean smarter and safer routines. The service procedure of the main-shaft sleeve requires a torque wrench and a hand-driven oil pump to release the main shaft sleeve. With our oil pressure-driven "pop-off" release solution, we've reduced the risks to workers, eliminated the grinding and heating procedures, and shortened the turnaround time. It's safer, simpler and quicker.

#### CUSTOMER VALUES

- Shaft-sleeve maintenance is safer and simpler compared to the cylindrical design
- Main shaft-sleeve replacement is 80% quicker thanks to the oil-pressure release solution
- Grinding is eliminated, reducing the risk of accidentally damaging the main shaft during service exchange



CRUSHER MODEL*	MAIN SHAFT ASSEMBLY (EXCLUDING MANTLE)	MAIN SHAFT ASSEMBLY (INCLUDING MANTLE)
CH890i, CH895i	BG01043283	---
CH880	BG01044288	---
CH870i	BG01101421	---
CH860i, CH865i	BG01101266	---
CH840i	BG01121677	BG01179908
CH830i	BG01121954	BG01180252
CS840i	BG01121747	BG01180341
CH660	BG00563308	BG00563413
CH440	BG00566212	BG00566233
CH430	BG00566438	BG00566524
CH420	BG00566761	BG00566773
CS660	BG00564555	BG00565120
CS440	BG00566260	BG00566405
CS430	BG00566540	BG00566564
CS420	BG00566805	BG00566814

#### SPARE PARTS AND SERVICE KITS

CRUSHER MODEL*	CONICAL SLEEVE	SERVICE COVER KIT**	HYDRAULIC PUMP UNIT**
CH890i, CH895i, CH880	BG01004353	BG01090874	BG00362732
CH870i	BG01044591	BG01143004	BG00362732
CH860i, CH865i	BG01045677	BG01207870	BG00362732
CH840i, CS840i	BG00475833	BG00599352	BG00362732
CH830i	BG00203694	BG00599328	BG00362732
CH660, CS660	BG00325390	BG00363970	BG00362732
CH440, CS440	BG00213813	BG00363948	BG00362732
CH430, CS430	BG00215626	BG00363936	BG00362732
CH420, CS420	BG00325408	BG00363893	BG00362732

\* Including predecessor models \*\* these kits can be reused

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