

**Q: Is the SPAW/SPW a direct interchange to the SAF/SN style bearing?**

A: Yes. The SPAW is dimensionally equivalent to the SAF series and the SPW is dimensionally equivalent to the SN series. They have the same base-to-center and mounting bolt dimensions.

**Q: What type of housing configurations are available for the SPAW/SPW units?**

A: The SPAW are pillow block units with 2 & 4 bolt mounting. The SPW units offer a 2 bolt or solid base option.

**Q: Is the SPAW/SPW a solid housed bearing?**

A: Yes. The SPAW/SPW are a one-piece solid housed bearing. This allows for faster & cleaner installation.

**Q: What type of material are the housings made of?**

A: The housing for NTN's SPAW/SPW/SFCW are made of Ductile Iron.

**Q: What bore sizes are available?**

A: Bore sizes 1 15/16" through 5 1/2" & 50mm through 140mm.

**Q: Are the SPAW/SPW/SFCW available in fixed and expansion options?**

A: Yes. Fixed and expansion options are available for all bore sizes.

**Q: How does the expansion bearing move in the housing?**

A: Expansion bearings are made by moving the snap ring which holds the bearing in the housing.

**Q: How much expansion does this bearing allow?**

A: Moving the snap ring to the expansion position of the housing:  
 Bore size 1 15/16"(50mm) to 2 1/2"(65mm) – 5/16" (8 mm) expansion  
 Bore size 2 15/16" (75mm) to 5 1/2" (140mm) – 3/8" (10 mm) expansion

**Q: Are there end covers available for the SPAW/SPW/SFCW bearing?**

A: Yes. NTN offers both open end and closed end covers that are bolted onto the housing with stainless steel hardware.

**Q: Do the end covers allow grease fill for added protection?**

A: Yes. NTN recommends that the end cover cavities are packed with grease during assembly for added protection. The cap covers can also be drilled and tapped for a grease fitting to add grease to the covers independent of the bearing insert.

**Q: Does the open end cover have a seal for protection?**

A: Yes. The open end cover comes with a spring loaded lip seal.

**Q: What type of bearing insert is used with the SPAW/SPW/SFCW unit?**

A: NTN-manufactured, double-row spherical roller bearing with integral contact lip seals pressed into the outer ring.

**Q: What is the coating on the bearing insert?**

A: The bearing insert is phosphate-coated to provide corrosion protection.

**Q: Are the SPAW/SPW/SFCW bearings greased at the factory?**

A: Yes. The bearings are grease filled at the factory for proper lubrication and to ensure cleanliness.

**Q: What kind of seal is used with this bearing?**

A: The seal is a spring loaded contact seal made of Nitrile rubber.

**Q: What type of retainer is used?**

A: NTN's Heavy duty ULTAGE® EA steel retainer is used with the product line.

**Q: What is the clearance for the bearing insert?**

A: C3 is the standard factory set clearance for the bearing used in this product line.

**Q: What kind of shaft attachments are available with the SPAW/SPW/SFCW bearing?**

A: SPAW/SPW/SFCW units are attached to the shaft with a taper adapter mount assembly.

**Q: What is the mis-alignment capability of the SPAW/SPW/SFCW bearings?**

A: These bearings have a mis-alignment capability of up to ±1.0°.

**Q: What is the temperature range for the SPAW/SPW/SFCW bearings?**

A: Allowable temperature range for this insert and standard C3 clearance is -13°F/-25°C to +250°F/120°C. For temperatures above 176°F/80°C, relubrication intervals need to be increased. Please consult NTN.

**Q: Are replacement inserts available?**

A: Yes. Replacement inserts are available and can be installed into the housing by simply removing one of the snap rings.

**Q: Do the SPAW/SPW/SFCW allow for undersized shafting?**

A: Yes. All bore sizes can accommodate the nominal shaft size to approximately -.003 inches.

**Q: How are these units installed? How do you set mounted clearance?**

A: Installation instructions are available in each supplied package. The units require you to establish a starting position and then tighten the locknut to a recommended rotation.

**Q: What tools are required to install the SPAW/SPW/SFCW bearing?**

A: NTN recommends using our spanner wrench to secure the locknut, lock washer and adapter sleeve to the shaft. This will prevent damaging the locknut. An alternative mounting method of using a drift and hammer may damage the locknut.

## Here to help you handle the pressure.

We're here to help you achieve your productivity and performance goals. For more information, contact your NTN Sales Representative or **call 1.800.323.2358**. For technical questions, **email [eng@ntnamerica.com](mailto:eng@ntnamerica.com)**.

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**Q: What types of application use the SPAW/SPW/SFCW bearings?**

A: These bearings can be used in a variety of applications, but work particularly well where there is extreme contamination.

**Q: How should I store an SPAW/SPW/SFCW bearing?**

A: NTN recommends that the bearing remain in its original packaging, in a clean and dry environment until ready for installation.

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