



Air conditioner bearings from NTN-SNR



A niche market :

Originally only fitted to top of the range vehicles, today most vehicles are fitted with an air conditioning system. Central to the system is a compressor where we find a 2 row ball bearing. Two problems can occur with these bearings :

- a high noise level
- a broken bearing

Two alternatives for replacements with compressors :

a complete exchange replacement or in some circumstances, for reasons of economy
a replacement of the bearings.

The selection of replacement compressor bearings is based on the bearing dimensions and not on vehicle model, as with our other ranges of Automotive Replacement bearings.

NTN SNR on
65 %
of car models fitted with
an air conditioner

Some details :

6 references for 28 types of compressors
on more than 1713 models of car

Compressor	Percentage of Air-con fitted vehicles	Bearing dimensions (Bore x OD x Width)	SNR Reference
SD7V16	20.90%	35 x 55 x 20	ACB35x55x20
SD7H15	11.85%	35 x 55 x 20	ACB35x55x20
SD709	11.15%	35 x 55 x 20	ACB35x55x20
Harrison V5	8.46%	40 x 62 x 20,6	-
DCW17*	4.90%	35 x 62 x 24	ACB35x62x24
FS10*	2.92%	30 x 55 x 23	-
SD6V12	2.74%	35 X 50 X 20	ACB35x50x20
SD7V12	2.04%	35 x 55 x 20	ACB35x55x20

The replacement of compressor bearings is not possible with compressor models 7SEU16C / 7SBU16C
(Nippondenso, models after 2000)



The NTN-SNR range

Dimensions	NTN-SNR Reference	Compressor type
35 x 52 x 20	ACB35x52x20	7SBU17C
		PXV16
		SC08
		SCS08
35 X 52 X 22	ACB35x52x22	6CA17C
		6SEU12
		6SEU12C
		PXE16
35 x 55 x 20	ACB35x55x20	DKS13
		DKS15
		SD505
		SD709
		SD7C16
		SD7H13
		SD7H15
		SD7V12
		SD7V16
		TM15
		Zexel DCW17D
35 x 62 x 24	ACB35x62x24	Zexel DCW17B
35 X 50 X 20	ACB35x50x20	Harrison CVC
		SD6V12
		SD7B10
40 x 62 x 24	ACB40x62x24	10P15C
		10P15E
		SD508
		SD510