



/// RotoPRECISION Inc.



SUPER PRECISION ANGULAR CONTACT BEARINGS

SNFA Product Range Quick Series Interchange and Page Reference

SERIES	SNFA	FAG	BARDEN	FAFNIR	GMN	NSK	RHP	SKF	SNR	PAGE
ISO 18	SEA	B 71800	--	--	--	--	--	71800	71800	24
ISO 19	SEB	B 71900	1900 H	9300 WI	S 61900	7900	7900	71900	71900	25
ISO 19	VEB, HB	HS 71900	--	99300 WN	--	BNC 19	XS 7900	71900 CE	--	26, 28
ISO 19	HB../S	HSS 71900	--	--	--	--	--	S 71900 B	--	28
ISO 10	EX	B 7000	100 H	9100 WI	S 6000	7000	7000	7000	7000	30
ISO 10	VEX, HX	HS 7000	--	99100 WN	SH 6000	BNC 10	X-T 7000	7000 CC 7000 CE	--	31, 33
ISO 10	VEX../S HX../S	HSS 7000	--	--	--	--	--	S 7000 B S 7000 C	--	31, 33
ISO 02	E200	B 7200	200 H	200 WI	S 6200	7200	7200	7200	7200	35
ISO 02	BS200	76020	--	--	--	--	--	BSA 2	--	36

*** Please note:** The interchange table provided is intended as a quick reference for general information purposes only and does not in any way guarantee that all bearings will perform to the same operating standards.





CONTACT BEARINGS



SUPER PRECISION ANGULAR

- The SNFA Group (2)
- Technology (3)
- Quality System (7)
- CHROMEX®40 - A New Material for Spindle Bearings (8)
- Ceramic Material (10)
- VEB and VEX High Speed Bearings in "H1" and "G1" Air - Oil Lubrication (11)
- Sealed Bearings (12)
- Product Range and Table of Equivalents (14)
- Symbols and Units (15)
- Precision Tables (ABEC5 - ABEC7 - ABEC9) (16)
- Assembly Tolerances (17)
- Errors of Form (18)
- Grease Quantity (19)
- Bearing Marking and Packaging (20)
- Bearing Identification Code (21)
- ISO Series and SNFA Production (22)
- Limiting Speed and Preload Calculation (23)
- SNFA Bearing Tables: SEA Series (24)
- SEB Series (25)
- VEB Series (26)
- VEB/NS, VEB/XN Series (27)
- HB, HB/S Series (28)
- HB/NS, HB/S/NS, HB/S/XN Series (29)
- EX Series (30)
- VEX, VEX/S Series (31)
- VEX/NS, VEX/S/NS, VEX/S/NX Series (32)
- HX, HX/S Series (33)
- HX/NS, HX/S/NS, HX/S/XN Series (34)
- E 200 Series (35)
- Ball Screw Support Bearings BS200, BS200/S, BS (Special) Series (36)
- Ball Screw Bearing Cartridge Units BSDU, BSQU, BSQU/1 Series (37)





THE SNFA GROUP

Since 1952, the SNFA Group has distinguished itself in the market of high performance ball and roller bearings and has gradually implemented an organizational structure specializing in:

- Special ball and roller bearings for the aerospace and related industries;
- High-precision angular contact ball bearings for machine tools and similar applications.


Over the years, the high level of expertise in these two fields has allowed the development of often unique technologies for the design and manufacture of bearings to the highest quality.

In Italy, the SNFA Group is represented by Somecat S.p.A., who, along with its sister company in the UK, SNFA Bearings Ltd., is a leading manufacturer of super precision angular contact bearings primarily for machine tools.

PRODUCTION UNITS

 **SNFA SA** (France)
Aerospace bearings


 **Somecat S.p.A.** (Italy)
Precision ball bearings

 **SNFA Bearings Ltd.** (U.K.)
Precision ball bearings

MARKETING UNITS

 **SNFA SA** (France)
*Aerospace bearings /
Precision ball bearings*

 **Somecat S.p.A.** (Italy)
Precision ball bearings

 **SNFA Bearings Ltd.** (U.K.)
Precision ball bearings

 **SNFA Präzisions -
Wälzlager** (Germany)
Precision ball bearings

 **SNFA S.A. Fribourg**
(Switzerland)
Precision ball bearings



The Technology. . .

State-of-the-art technology and constant upgrading is applied throughout the SNFA Group.



Each process, from design to testing, from manufacturing to inspection, is within a procedure that benefits from the necessary resources and facilities.

Grinding and superfinishing are part of a complex cycle of operations involving all the surfaces of the bearing rings and these operations require the use of special high-quality CNC machinery. For this reason, a new area within the Somecat facility was developed using state-of-the-art technologies.

Rings are manufactured from bar, tube or forging. The most common raw material used is 100Cr6 that must be of the highest quality and inclusion free.



