

Calculation / Installation proposal

Date: 2024-01-10 10:24:46

All rights are reserved with regard to this document, even in the event that a patent should be granted or a utility model registered. The document must be treated confidentially. Without our written consent, neither the document itself, nor copies thereof or any other renderings of the complete contents or of extracts therefrom may be made available to third parties or put to improper use by the recipient in any other way. The document has been prepared on the basis of your requirements as set forth above and our own assumptions. Our details take into account those risks which were apparent to us on the basis of your requirements as made available to us. The document has been prepared solely in connection with the purchase of our products. The results shown in the document have been worked out carefully and in accordance with the state of the art, but do not constitute an express or implied guaranty as to quality or durability in the legal sense. You are not dispensed thereby from checking the suitability of the products. We shall be liable for the details provided in the document only in the event of willful intent or negligence. If the document is part of a supply agreement, the liability provisions agreed there shall apply.

Table of contents

1 Input

1 Input

Bearing

Designation22209-E1-XL

Basic frequency factors related to 1/s

Overrolling frequency factor on outer ring	BPFFO	7.1315
Overrolling frequency factor on inner ring	BPFFI	9.8685
Overrolling frequency factor on rolling element	BSFF	2.9850
Ring pass frequency factor on rolling element	RPFFB	5.9699
Speed factor of rolling element set for rotating inner ring	FTFF_i	0.4195
Speed factor of rolling element set for rotating outer ring	FTFF_o	0.5805

