

**SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**SCHEDULE 13G  
(Rule 13d-102)**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b)(c), AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)**

**(Amendment No.    )**

**RBC Bearings Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**75524B104**

(CUSIP Number)

**5/31/06**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(c)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays are currently valid OMB control number.**

**1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)**

Westfield Capital Management Co. LLC

#30-0027188

**2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\***

(a)

(b)

**3. SEC USE ONLY**

**4. CITIZENSHIP OR PLACE OF ORGANIZATION**

Massachusetts

**5. SOLE VOTING POWER**

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

2,046,029

**6. SHARED VOTING POWER**

0

**7. SOLE DISPOSITIVE POWER**

2,046,029

**8. SHARED DISPOSITIVE POWER**

0

**9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON**

2,046,029

**10. CHECK BOX IF AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES**

**11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)**

10.68%

**12. TYPE OF REPORTING PERSON**

IA

**Item 1(a). Name of Issuer:**

*RBC Bearings Inc.*

**Item 1(b). Address of Issuer's Principal Executive Offices:**

*One Tribology Center Oxford, CT 06478*

**Item 2(a). Name of Person Filing:**

*Westfield Capital Management Company, LLC*

**Item 2(b). Address of Principal Business Office, or if None, Residence:**

*One Financial Center, 24th Floor  
Boston, MA 02111-2690*

**Item 2(c). Citizenship**

*Massachusetts*

**Item 2(d). Title of Class of Securities**

*Common stock*

**Item 2(e). CUSIP Number**

*75524B104*

**Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

- (a)  Broker or dealer registered under Section 15 of the Exchange Act.
- (b)  Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c)  Insurance Company registered under Section 3(a)(19) of the Exchange Act.
- (d)  Investment company registered under Section 8 of the Investment Company Act.
- (e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

**(a) Amount beneficially owned:** 2,046,029

**(b) Percent of Class:** 10.68%

**(c) Number of shares as to which such person has:**

(i) sole power to vote or to direct the vote: 2,046,029

(ii) shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of: 2,046,029

(iv) shared power to dispose or direct the disposition of: 0

**Item 5. Ownership of Five Percent or Less of a Class.**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of an employee benefit plan, pension fund or endowment fund is not required.

*None of the shares listed above are owned of record by Westfield Capital Management Company, LLC ("Westfield Capital"). The shares listed above are owned of record by certain mutual funds, institutional accounts and/or separate accounts managed by Westfield Capital as investment advisor. Westfield Capital disclaims any beneficial interest in such shares.*

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.**

If a parent holding company or control person has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

*Not Applicable*

**Item 8. Identification and Classification of Members of the Group.**

If a group has filed this schedule pursuant to Rule 13d-1(b)(ii)(J), so indicate under Item 3(b) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to Rule 13d-1(c), attach an exhibit stating the identity of each member of the group.

*Not Applicable*

**Item 9. Notice of Dissolution of Group**

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group in their individual capacity.

*Not Applicable*

**Item 10. Certification**

(a) The following certification shall be included if the statement is filed pursuant to (S)240.13d-1(b):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

(b) The following certification shall be included if the statement is filed pursuant to (S)240.13d-1(c):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

**SIGNATURE**

After reasonable inquire and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

June 2, 2006  
(Date)

Westfield Capital Management Co., LLC

BY: /s/ Helen McAuley  
(Signature)

Helen McAuley/Compliance Officer  
(Name/Title)

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See (S)240.13d-7 for other parties for whom copies are to be sent.

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations

(See 18 U.S.C. 1001)