

Notes

1 Changes in scope of consolidation

During the year under review, the scope of consolidation changed as follows:

Additions (foundations) 2015 //

- As of 25 February 2015, GF Export Inc., El Monte, USA
Division: Corporate Management
- As of 27 April 2015, GF Machining Solutions Co Ltd, Hanoi, Vietnam
Division: GF Machining Solutions

During the previous year, the scope of consolidation changed as follows:

Additions (acquisitions) 2014 //

- As of 1 July 2014, Meco Eckel GmbH, Biedenkopf-Wallau, Germany
Pro rata sales 2014: CHF 27.7 million, GF Automotive
- As of 1 July 2014, Liechti Engineering AG, Langnau, Switzerland
Pro rata sales 2014: CHF 32.2 million, GF Machining Solutions

Disposals (divestitures) 2014 //

- As of 1 January 2014, Georg Fischer Kokillenguss GmbH, Herzogenburg, Austria
Pro rata sales 2014: CHF 0 million, GF Automotive
- As of 1 November 2014, Agie Charmilles Thailand Co Ltd, Bangkok, Thailand
Pro rata sales 2014: CHF 0 million, GF Machining Solutions

2 Acquisitions and divestitures of Affiliated Companies

During the year under review, there were neither additions of Affiliated Companies by acquisitions nor disposals by divestitures.

The following Affiliated Companies were acquired or divested during the previous year:

Additions (acquisitions) 2014

Acquisition of Meco Eckel GmbH // Georg Fischer BV & Co KG, Singen (Germany), acquired 51% of the capital of Meco Eckel GmbH, Biedenkopf-Wallau (Germany). The closing date was 1 July 2014.

Meco Eckel is a well-known and leading specialist in the production of tools and molds for the automobile industry. The partnership with Meco Eckel GmbH enables early involvement in the design of castings, quicker processes for implementing designs in production, and seamless delivery and services for clients.

The following table shows the assets and liabilities assessed at fair value at the time control was acquired. For this presentation, the translation of the original euro values into Swiss francs was calculated using the exchange rates of the respective transaction date:

CHF million	Acquired assets and liabilities (51%)
Trade accounts receivable	6
Inventories	4
Other accounts receivable	1
Property, plant, and equipment	2
Deferred tax assets	1
Total assets	14
Non-interest bearing liabilities	14
Interest-bearing liabilities	1
Net assets	-1

Acquisition of Liechti Engineering AG // Georg Fischer Ltd, Schaffhausen (Switzerland), acquired 100% of the capital of Liechti Engineering AG, Langnau (Switzerland), on 1 July 2014. The closing date was 1 July 2014.

Liechti Engineering is the leading specialist in five-axis milling machines designed to produce blades and blisks for aircraft engines and power-generating turbines.

The following table shows the assets and liabilities assessed at fair value at the time control was acquired.

CHF million	Acquired assets and liabilities
Cash and cash equivalents	21
Marketable securities	1
Trade accounts receivable	15
Inventories	22
Other accounts receivable	2
Property, plant, and equipment	6
Other financial assets	1
Total assets	68
Deferred tax liabilities	1
Non-interest bearing liabilities	30
Net assets	37

Total cash-out for the acquisitions amounted to CHF 22 million in the period under review.

Disposals (divestitures) 2014

Divestiture of Georg Fischer Kokillenguss GmbH // On 30 January 2014, the GF Automotive division signed an agreement with retroactive effect as of 1 January 2014 for the sale of the mold-casting foundry in Herzogenburg (Austria). As part of the implementation of the strategy, the divestment was planned in December 2013 and led to the reclassification of all assets and liabilities as "Assets held for sale" or "Liabilities held for sale".

The following table shows the net assets disposed of by the date of sale and the cash outflow from the transaction:

CHF million	Disposed assets and liabilities
Financial assets	7
Total assets held for sale	20
Total liabilities held for sale	-20
Net assets	7
Liabilities from divestiture	-7
Cash outflow from divestiture, net	0

3 Trade accounts receivable

Trade accounts receivable are value-adjusted, as shown in the table below, where necessary and allocated to the following regions:

CHF million	2015	2014
Gross values	664	669
Individual value adjustments	-6	-8
Overall value adjustments	-18	-18
Net values	640	643
Europe	307	322
– Thereof Germany	98	107
– Thereof Switzerland	22	26
– Thereof Austria	15	10
– Thereof Rest of Europe	172	179
Americas	88	86
Asia	206	198
– Thereof China	141	141
Rest of world	39	37
Total	640	643

As of the balance sheet date, the aging structure of the trade accounts receivable, which are not subject to individual value adjustments, was as follows:

CHF million	2015		2014	
	Receivable after individual value adjustments	Overall value adjustment	Receivable after individual value adjustments	Overall value adjustment
Not yet due	531		539	
1 to 30 days overdue	64		49	
31 to 90 days overdue	32		43	
91 to 180 days overdue	15	5	15	3
More than 180 days overdue	16	13	15	15
Total	658	18	661	18

Value adjustments on trade accounts receivable have changed as follows:

CHF million	2015	2014
Individual value adjustments		
As of 1 January	8	6
Increase/decrease	-2	2
As of 31 December	6	8
Overall value adjustments		
As of 1 January	18	19
Increase/decrease	-1	-1
As of 31 December	18	18

The individual value adjustments amounted to CHF 6 million (previous year: CHF 8 million). It is assumed that part of the underlying receivables will be paid. Receivables not due are mainly receivables arising from long-standing customer relationships. Based on experience, GF does not anticipate any significant defaults. For further information on credit management and trade accounts receivable, see the "Risk management" chapter.

4 Inventories

CHF million	2015	2014
Raw materials and components	241	266
Work in progress	127	121
Finished goods	420	433
Gross value of inventories on hand	788	820
Valuation adjustments	-148	-154
Inventories	640	666

5 Income taxes receivable

Of the total income taxes receivable of CHF 13 million, CHF 6 million relate to Switzerland, CHF 2 million to Sweden, and CHF 1 million each to Germany, the USA, China, Turkey, and other countries.

6 Other accounts receivable

CHF million	2015	2014
Tax credits from indirect taxes	25	35
Other current accounts receivable	24	27
Total	49	62

7 Movements in property, plant, and equipment

CHF million	Investment properties	Undeveloped property	Land	Buildings	Building components	Machinery and production equipment	Other equipment	Assets under construction	Assets held under finance leases	Property, plant, and equipment for own use
Cost										
As of 31 December 2013	70	3	41	592	140	1 653	312	74	13	2 828
Additions				13	5	29	7	96	2	152
Disposals	-4				-1	-23	-12		-1	-37
Changes in scope of consolidation				7		2	1			10
Other changes, reclassifications	16			7	-12	46	5	-68	2	-20
Translation adjustment	-1			4			2	2		8
As of 31 December 2014	81	3	41	623	132	1 707	315	104	16	2 941
Additions				10	4	55	6	92		167
Disposals	-4		-2	-18	-2	-22	-5			-49
Changes in scope of consolidation	-2									
Other changes, reclassifications	1			16	5	182	-100	-90		13
Translation adjustment	-5		-3	-34	-8	-132	-11	-7	-2	-197
As of 31 December 2015	71	3	36	597	131	1 790	205	99	14	2 875
Accumulated depreciation										
As of 31 December 2013	-27			-340	-92	-1 177	-249		-5	-1 863
Additions	-1			-16	-6	-83	-15		-2	-122
Disposals						22	11		1	34
Other changes, reclassifications	-9			-4	13	-1	4			12
Translation adjustment					1	6				7
As of 31 December 2014	-37			-360	-84	-1 233	-249		-6	-1 932
Additions	-1			-16	-5	-87	-12		-2	-122
Disposals	3			16	1	21	5			43
Changes in scope of consolidation	1									
Other changes, reclassifications					-1	-92	88			-5
Translation adjustment	2			18	4	97	9		1	129
As of 31 December 2015	-32			-342	-85	-1 294	-159		-7	-1 887
Carrying amount										
As of 31 December 2013	43	3	41	252	48	476	63	74	8	965
As of 31 December 2014	44	3	41	263	48	474	66	104	10	1 009
As of 31 December 2015	39	3	36	255	46	496	46	99	7	988

The insurance value of property, plant, and equipment amounted to CHF 4 001 million (previous year: CHF 4 246 million).

The lines "Changes in scope of consolidation" show exclusively the disposal of an investment property which is still related to the divestment of Georg Fischer GmbH & Co KG, Gleisdorf (Austria), in 2009.

Investments in property, plant, and equipment in 2015 came to CHF 167 million (previous year: CHF 152 million). They were made primarily by the GF Automotive division (CHF 80 million; previous year: CHF 79 million) and the GF Piping Systems division (CHF 46 million; previous year: CHF 49 million). Investments in property, plant, and equipment with an effect on liquidity in the 2016–2019 period amount to CHF 95 million. This amount mainly relates to investments for the GF Piping Systems division in the amount of CHF 11 million and the GF Automotive division in the amount of CHF 59 million.

The amounts for "Other changes, reclassifications" relate mainly to two circumstances. First, GF Piping Systems reclassified molds from "Other equipment" to "Machinery and production equipment". Second, machines for test and demonstration purposes at GF Machining Solutions were reclassified from "Inventory" to "Property, plant, and equipment" (CHF 8 million net).

The fair value of investment properties, as determined by internal experts on the basis of capitalized and current market values, is CHF 62 million (previous year: CHF 69 million). The reduction in the fair value is attributable to the sale of investment properties and to currency translation effects.

In the period under review, CHF 1 million of interest on assets under construction was capitalized.

8 Movements in the intangible assets

CHF million	Land use rights	Software	Royalties, patents, others	Total
Cost				
As of 31 December 2013	13	35	13	61
Additions		5		5
Disposals	-1			-1
Other changes, reclassifications	1	-1	1	1
Translation adjustment	2			2
As of 31 December 2014	15	39	14	68
Additions		3	1	4
Disposals		-1	-1	-2
Translation adjustment	-1	-1	-1	-3
As of 31 December 2015	14	40	13	67
Accumulated amortization				
As of 31 December 2013	-3	-23	-12	-38
Additions		-3		-3
As of 31 December 2014	-3	-26	-12	-41
Additions		-3	-1	-4
Disposals		1	1	2
Translation adjustment		1	1	2
As of 31 December 2015	-3	-27	-11	-41
Carrying amount				
As of 31 December 2013	10	12	1	23
As of 31 December 2014	12	13	2	27
As of 31 December 2015	11	13	2	26

The intangible assets are subdivided into "Land use rights", "Software", and "Royalties, patents, others". These are the major categories of the intangible assets.

Land use rights, in the amount of CHF 11 million, remained almost unchanged compared with the previous year (CHF 12 million). Software, in the amount of CHF 13 million, and the royalties, patents, others category, in the amount of CHF 2 million, were completely unchanged from the previous year.

Goodwill // Goodwill from acquisitions is offset against the Corporation's equity at the acquisition date. The theoretical amortization is based on the straight-line method over the useful life of five years. The adjustment in the year under review in the amount of CHF 29 million (previous year: CHF –6 million) is due to an adjustment of the conditional increase in the purchase price of Georg Fischer Hakan Plastik AS, Cerkezköy (Turkey), whose capital (90%) was acquired as of 16 July 2013. The adjustment will be amortized together with the goodwill over the remaining period of amortization. At the balance sheet date, the goodwill of Georg Fischer Hakan Plastik AS amounted to CHF 42 million.

The theoretical capitalization of the goodwill would affect the result of the consolidated financial statements as follows:

Theoretical movements in goodwill

CHF million	2015	2014
Cost		
As of 1 January	501	488
Additions from acquisitions		6
Adjustments (earn-out, others)	29	–6
Translation adjustment	–30	13
As of 31 December	500	501
Accumulated amortization		
As of 1 January	–437	–406
Additions regular	–26	–21
Translation adjustment	22	–10
As of 31 December	–441	–437
Theoretical book values, net		
As of 1 January	64	82
As of 31 December	59	64

Effect on income statement

CHF million	2015	2014
Operating result (EBIT)	296	274
Return on sales (EBIT margin) %	8.1	7.2
Amortization goodwill	–26	–21
Theoretical operating result (EBIT) incl. amortization of goodwill	270	253
Theoretical return on sales (EBIT margin) %	7.4	6.7
Net profit	198	195
Amortization goodwill	–26	–21
Theoretical net profit incl. amortization of goodwill	172	174

Effect on balance sheet

CHF million	2015	2014
Equity according to balance sheet	1 130	1 104
Theoretical capitalization of net book value of goodwill	59	64
Theoretical equity incl. net book value of goodwill	1 189	1 168
Equity as % of balance sheet total	36.7	36.9
Theoretical equity incl. net book value of goodwill as % of balance sheet total (incl. goodwill)	37.8	38.3

All goodwill positions offset against equity are tested for impairment once a year. An impairment test is performed if there is any indication that the goodwill positions could be affected from such an impairment. On the basis of the impairment test made on the balance sheet date, no indications of impairment were found, therefore all goodwill positions have retained their recoverable value.

The goodwill of Georg Fischer Hakan Plastik AS was tested for impairment in addition. The recoverable amount of Georg Fischer Hakan Plastik AS equals the value in use, which is determined based on future discounted cash flows.

As a basis for the calculation, business plans for the next five years are used. Subsequent years are included in the calculation using a perpetual annuity with a growth assumption of zero. The projections are based on knowledge and experience as well as on current judgments made by management as to the probable economic development of the relevant markets. It is assumed that there are no significant planned changes in the organization of any of the divisions, except for the measures already decided and announced.

By applying the capital asset pricing model, a specific rate for the cost of capital was calculated for Georg Fischer Hakan Plastik AS. The calculation of this discount rate refers to the data of a relevant peer group. Furthermore, specific values for the risk-free interest rate, the market risk premium, the borrowing costs, and the tax rate were applied.

Since the cash flow projections are based on cash flows after tax, the discount rate has also been determined taking tax effects into account. The discount rate for Georg Fischer Hakan Plastik AS was calculated at 15.2%.

It was confirmed that the theoretical goodwill of Georg Fischer Hakan Plastik AS retained its recoverable value.

9 Categories of financial instruments

The following table shows the carrying amount of all financial instruments per category. For details on the market values of the bonds, see note 13.

CHF million	2015	2014
Financial instruments (assets)		
Cash and cash equivalents (excluding fixed-term deposits)	507	367
Fixed-term deposits	42	7
Other financial assets ¹	11	19
Trade accounts receivable	640	643
Other accounts receivable ²	24	27
Accrued income	19	15
Loans and receivables stated at amortized cost	736	711
Marketable securities	4	4
Funds	1	
Financial assets recognized in income statement at market value	5	4
Derivative financial instruments for hedging purposes	5	2
Financial instruments (liabilities)		
Other financial liabilities	271	210
Trade accounts payable	420	419
Bonds	499	497
Other current/non-current liabilities ³	90	68
Accrued liabilities and deferred income ⁴	198	181
Liabilities stated at amortized cost	1 478	1 375
Derivative financial instruments	36	52

1 Relates to loans to third parties, security deposits, and long-term-invested securities for the settlement of pension liabilities. For more details, see note 10.

2 The balance sheet item "Other accounts receivable" includes tax credits. For more details, see note 6.

3 The balance sheet item "Other current/non-current liabilities" includes derivative financial instruments. For more details, see note 15.

4 For more details, see note 16.

The carrying amount of the securities and listed non-controlling interests recognized at their fair value is determined on the basis of the share prices at the balance sheet date. The market value of the foreign exchange contracts on the balance sheet is determined by the replacement value at the balance sheet date.

10 Other financial assets

Other financial assets amounted to CHF 13 million and included investments in associates with a carrying value of CHF 1 million as well as long-term loans and receivables of CHF 7 million (previous year: CHF 15 million).

Investments in associates // The investments in detail are as follows:

- WIBILEA AG, Neuhausen (Switzerland)
- Eisenbergwerk Gonzen AG, Sargans (Switzerland)
- Mecartex SA, Losone (Switzerland)
- Georg Fischer Corys LLC, Dubai (United Arab Emirates)
- Polytherm Central Sudamericana SA, Buenos Aires (Argentina)
- Liechti (Shanghai) Engineering Co Ltd, Shanghai (China)
- GF Machining Solutions Co Ltd, Hanoi (Vietnam)

Long-term loans and receivables // CHF 5 million of the long-term loans and receivables fall due in the next three years and CHF 2 million at a later date. Using translated values, CHF 5 million were lent in euros, CHF 1 million in Brazilian real and CHF 1 million in UAE dirhams. The interest rates for the loans granted in euros were around 6%. The long-term loans in Brazil are receivables from customer financing activities in the local currency, the average interest rate for these loans is 22%.

Other financial assets also include long-term-invested securities for the settlement of pension liabilities in the amount of CHF 4 million (previous year: CHF 4 million).

11 Deferred tax assets and liabilities

Deferred tax assets and liabilities relate to the following balance sheet items:

CHF million	Tax assets	Tax liabilities	2015 net	Tax assets	Tax liabilities	2014 net
Investment properties		8	-8		9	-9
Property, plant, and equipment for own use	13	41	-28	12	39	-27
Intangible assets	3	1	2	4		4
Tax loss carryforwards	7		7	8		8
Inventories	26	14	12	20	12	8
Provisions	16	3	13	17	3	14
Other interest-bearing liabilities	2		2			
Other non-interest-bearing liabilities	38	7	31	40	3	37
Other balance sheet items	10	3	7	10	3	7
Total	115	77	38	111	69	42
Offsetting	-32	-32		-23	-23	
Deferred tax assets/liabilities	83	45	38	88	46	42

Deferred tax assets and liabilities are offset within Corporate Companies when there is a legally enforceable right to offset current tax assets against current tax liabilities and the deferred taxes relate to the same fiscal authority. The effect of offsetting at the Corporate Company level amounted to CHF 32 million (previous year: CHF 23 million). Deferred tax assets and liabilities are calculated based on the actually expected income tax rates for each Corporate Company. For further information on the recognition of tax loss carryforwards, see note 29.

Temporary differences associated with investments in subsidiaries, for which no deferred tax liabilities have been recognized, amounted to CHF 355 million as of 31 December 2015 (previous year: CHF 357 million).

12 Movements in provisions

CHF million	Warranties	Onerous contracts	Legal cases	Restructuring provisions	Other provisions	Personnel and social security	Provisions	Deferred tax liabilities	Provisions and deferred tax liabilities
As of 31 December 2013	27	9	16	1	38	67	158	42	200
Reclassifications						3	3		3
Increase	18	5	4	1	7	10	45	5	50
Interest expense arising from discounting					2		2		2
Use	-12	-3	-5	-1	-1	-6	-28		-28
Release	-4	-1	-3		-11	-4	-23	-3	-26
Changes in scope of consolidation	1	1			2		4	1	5
Translation adjustment						-1	-1	1	
As of 31 December 2014	30	11	12	1	37	69	160	46	206
- Thereof current	15	9		1	7	5	37		37
- Thereof non-current	15	2	12		30	64	123	46	169
As of 31 December 2014	30	11	12	1	37	69	160	46	206
Reclassifications									
Increase	18	3	6		6	10	43	5	48
Interest expense arising from discounting					1		1		1
Use	-11	-3	-3	-1	-11	-5	-34		-34
Release	-5	-2	-2		-3	-1	-13	-6	-19
Translation adjustment	-2	-1			-2	-5	-10		-10
As of 31 December 2015	30	8	13		28	68	147	45	192
- Thereof current	17	6	1		10	4	38		38
- Thereof non-current	13	2	12		18	64	109	45	154

Provisions are classified as follows: "Warranties on series products" (machines, or similar), "Onerous contracts" (when the costs of meeting the contractual obligations exceed the expected economic benefits), "Legal cases", "Restructuring provisions" (legal and constructive obligations with third parties, that have been communicated beforehand), "Personnel and social security" (provisions that are related to employee benefits), and "Other provisions".

The valuation of provisions in all categories is based on actual data if available (e.g. claims that have occurred or been reported) or on the experience of recent years and management estimates. The deferred tax liabilities are based on temporary valuation differences, which are reported in the balance sheet at the Corporate Company level.

Warranty provisions amounting to CHF 30 million are unchanged compared with the previous year. Due to the favorable claims outcome, it was possible to release CHF 5 million. At the same time, new warranty provisions of CHF 18 million had to be set aside, and CHF 11 million were utilized.

36% of the warranty provisions are for GF Machining Solutions and 27% for GF Automotive. They derive from complaints and claims for damages made to the various locations.

The interest expense arising from discounting was CHF 1 million and consists primarily of long-term provisions in the category of "Other provisions", which have a remaining term to maturity of less than two years and are discounted at the cost of capital of 7.4%.

The non-current provisions in the "Personnel and social security" category in the amount of CHF 64 million (previous year: CHF 64 million) are expected to result in a cash outflow in an average of ten years, the non-current provisions in the other categories are expected to result in a cash outflow within the next two to three years.

Provisions in the “Legal cases” category relate to a number of individual cases involving the various divisions with an estimated cash outflow of less than CHF 6 million per case.

The “Other provisions” category contains provisions for pension plans (CHF 14 million), liabilities in connection with the divestment of the gravity die-casting foundry in Herzogenburg in the amount of CHF 5 million as of 2014, captive insurance (CHF 1 million), and for other operating risks.

Expenditures not connected with pension plans in the narrow sense, such as awards for length of service and anniversary bonuses – especially in Austria – are recognized in the “Personnel and social security” category and amounted to CHF 68 million in 2015 (previous year: CHF 69 million).

13 Interest-bearing financial liabilities

Net debt, which is calculated as the difference between interest-bearing liabilities and the cash, and cash equivalents, and marketable securities, decreased by a clear CHF 116 million to CHF 238 million in the year under review (previous year: CHF 354 million). The reason for this decrease is primarily the high free cash flow, in the amount of CHF 188 million. This was offset by the dividend payment to GF shareholders and minority shareholders amounting to CHF 77 million (previous year: CHF 73 million).

Interest-bearing financial liabilities consist of the following items:

CHF million	Within 1 year	Up to 5 years	Maturity over 5 years	2015	Within 1 year	Up to 5 years	Maturity over 5 years	2014
Other financial liabilities (at fixed interest rates) ¹	17	73	33	123	17	46		63
Other financial liabilities (at variable interest rates)	141	6	1	148	137	7	3	147
Bonds (at fixed interest rates)	200	150	149	499		348	149	497
Loans from pension fund institutions	27			27	27			27
Total	385	229	183	797	181	401	152	734

¹ This category comprises other financial liabilities with a fixed interest period of more than three months.

In order to secure non-current liabilities, assets valued at CHF 16 million (previous year: CHF 17 million) were pledged or assigned as collateral. These assets consisted of property, valued at CHF 2 million (previous year: CHF 2 million) and buildings valued at CHF 14 million (previous year: CHF 14 million).

Further information on pledged assets can be found in note 22, “Pledged or assigned assets”.

The table below shows in detail the various categories of other financial liabilities by currency and interest rate.

CHF million	Issuing currency	Range interest rate %	2015	Issuing currency	Range interest rate %	2014
Other financial liabilities (at fixed interest rates)¹			123			63
	CHF	1.1–3.5	22	CHF	1.1–3.5	22
	EUR	4.7–5.1	73	EUR	4.7–5.1	20
	CNY	6.1–7.6	14	CNY	6.1–7.6	11
	Other	4.3–13.3	14	Other	4.3–7.2	10
Other financial liabilities (at variable interest rates)			148			147
	CNY	5.0–6.0	54	CNY	5.0–6.0	64
	TRY	9.2–14.7	63	TRY	6.8–16.0	45
	EUR	1.1–2.0	25	EUR	1.2–2.0	29
	Other	0–17.3	6	Other	0–17.3	9
Bonds (at fixed interest rates)			499			497
Bond (Georg Fischer AG) 3 ¾% 2010–2016 (12 May) Nominal value: CHF 200 million						
	CHF	3.7	200	CHF	3.7	199
Bond (Georg Fischer Finanz AG) 1 ½% 2013–2018 (12 September) Nominal value: CHF 150 million						
	CHF	1.6	150	CHF	1.6	149
Bond (Georg Fischer Finanz AG) 2 ½% 2013–2022 (12 September) Nominal value: CHF 150 million						
	CHF	2.6	149	CHF	2.6	149
Loans from pension fund institutions			27			27
	EUR	6.0	26	EUR	6.0	25
	CHF	2.0	1	CHF	2.0	2
Total			797			734

1 This category comprises other financial liabilities with a fixed interest period of more than three months.

GF has the following syndicated loan:

Debtors	Term	Credit	Thereof utilized
Georg Fischer AG/Georg Fischer Finanz AG	2015–2020	CHF 250 million	CHF 0 million

The syndicated loan was subject to an early extension, at improved terms and conditions, during the year under review.

The syndicated loan gives GF the necessary financial security to be able to act swiftly in the event it wishes to make acquisitions. This line of credit was not drawn on in the year under review. In addition to other terms, the loan is subject to covenants with respect to the net debt ratio (ratio of net debt to EBITDA), the interest-coverage ratio (ratio of EBITDA to net interest expense), and the equity ratio (ratio of equity to total assets).

The loan has additional terms such as are usual for a syndicated loan.

The bonds placed on the market as well as the syndicated loan are subject to the usual cross-default clauses, whereby the outstanding amounts may all become due if early repayment of another loan is demanded of the company or one of its main Corporate Companies owing to a failure to meet the credit terms. As of the balance sheet date, the effective credit terms had been met.

The interest-bearing financial liabilities also include loans payable to employee benefit plans in the amount of CHF 27 million (previous year: CHF 27 million).

14 Employee benefit liabilities

The overall employee benefits situation at the Corporation is as follows:

Employer contribution reserves // As of 31 December 2015, the employer contribution reserves (ECR) amounted to CHF 1 million (previous year: CHF 1 million) and result from the acquisition of Liechti Engineering AG, Langnau (Switzerland). The employer contribution reserves are included under non-current assets in the position "Other financial assets".

Economic benefit/economic obligation and pension benefit expenses // The table below shows the economic benefit and the economic obligation at the end of the year under review and for the previous year, as well as the development of pension benefit expenses:

CHF million	2015		2014	Translation differences	2015			2014
	Surplus/deficit according to FER 26	Economic part of the Corporation	Economic part of the Corporation		Change to prior-year period or recognised in the current result of the period, respectively	Contributions concerning the business period	Pension benefit expenses within personnel expenses	Pension benefit expenses within personnel expenses
Patronage funds	10					1	1	1
Employee benefit plans w/o surplus/deficit						19	19	12
Employee benefit plans with surplus								7
Employee benefit plans with deficit	-18	-19	-20	-1		1	1	1
Employee benefit plans without own assets		-101	-111	-11	1	2	3	3
Loans from pension fund institutions		-27	-27	-3				
Total	-8	-147	-158	-15	1	23	24	24

The employee benefit plans with a deficit in the amount of CHF 18 million relate to the defined benefit plans in the UK and the US. The amount of the deficit depends largely on the value of the securities. The entire economic obligation covering the outflow of funds anticipated in the medium term corresponds to the reported deficit and amounts to CHF 19 million. The economic obligation for employee benefit plans without own assets, i.e. unfunded plans, as recognized in the balance sheet, amounts to CHF 101 million (previous year CHF: 111 million) and relates mainly to employee benefit plans in Germany. The loans from pension fund institutions in the amount of CHF 27 million (previous year: CHF 27 million) are from pension fund institutions in Germany that have invested their funds in Corporate Companies.

The table below summarizes the pension benefit expenses in the year under review and for the previous year:

CHF million	2015	2014
Contributions to employee benefit plans from Corporate Companies	23	21
Contributions to employee benefit plans from employer contribution reserves		
Total contributions	23	21
+/- Change in ECR from asset developments, value adjustments, etc.		
Contributions and change in employer contribution reserves	23	21
Decrease/increase in economic benefit of the Corporation from surplus		
Increase/decrease in economic obligation of the Corporation from deficit		
Increase/decrease in economic obligation of the Corporation (employee benefit plans without own assets)	1	3
Total change in economic effect of surplus/deficit	1	3
Pension benefit expenses within personnel expenses in the period under review	24	24

The change in the economic obligation from employee benefit plans and the employer contributions paid for the year under review, as recognized in the balance sheet, amount to CHF 24 million (previous year: CHF 24 million) and are included in the "Personnel expenses".

15 Other liabilities

CHF million	2015	2014
Social security	13	15
Other non-interest-bearing liabilities	55	27
Derivative financial instruments	36	52
Other tax liabilities (e.g. withholding tax)	22	26
Total	126	120
– Thereof short term	80	69
– Thereof long term	46	51

Derivative financial instruments // GF uses financial instruments as part of its Corporation-wide risk management approach. Currency risks from accounts receivable, accounts payable, and financing in foreign currencies are partially hedged. The only hedging instruments employed are forward exchange contracts and currency swaps with a maximum maturity of twelve months. The hedging of other underlying assets consists of hedging against price fluctuations relating to the purchase of raw materials and energy.

Positive market values are reported in the balance sheet under the item "Marketable securities", while negative values are recognized under "Other liabilities".

The following table shows the (gross) market value of the derivative financial instruments as of 31 December 2015 and 2014, broken down by investment category:

CHF million	2015			2014		
	Contract- or nominal value	Positive market value	Negative market value	Contract- or nominal value	Positive market value	Negative market value
Derivative financial instruments						
Foreign exchange (e.g. forward exchange contracts)	340	3	-2	348		-10
Other underlyings	104	2	-34	148		-42
Total	444	5	-36	496		-52

Furthermore, with the acquisition of Hakan Plastik AS, GF obtained a call option on the remaining shares, which corresponds to a capital share of 10% of the company. The valuation of this option does not lead to any recognition as the contract value is equal to the purchase price (see note 32).

16 Accrued liabilities and deferred income

CHF million	2015	2014
Overtime, holiday, bonuses, and sales-related premiums	79	81
Accrued expenses/deferred income for commissions and discounts	24	21
Accrued expenses/deferred income for annual audit fees	4	3
Other accrued expenses and deferred income	91	76
Total	198	181

17 Share capital/capital management

Share capital // As of 31 December 2015, the share capital comprised 4 100 898 registered shares with a par value of CHF 1 each. Total dividend-bearing nominal capital amounted to CHF 4 100 898.

Capital management // The capital managed by the Corporation consists of the consolidated equity. The Corporation has set the following goals for the management of its capital:

- maintain a healthy and sound balance sheet structure based on going concern values
- ensure the necessary financial scope in order to make investments and acquisitions in the future
- realize a return for investors commensurate with the risk

The Corporation uses two ratios to monitor equity: the equity ratio and the return on equity. The equity ratio represents equity as a percentage of total assets. Return on equity is net profit expressed as a percentage of average equity. These ratios are reported to the Executive Committee and the Board of Directors at regular intervals through the internal financial reporting. Both, total equity and total assets increased slightly, resulting in an unchanged equity ratio of 37% as of 31 December 2015.

As an industrial group, GF strives to maintain a strong balance sheet with a high portion of equity. In the medium term, the Corporation aims to achieve an equity ratio of 35% to 40%. The medium-term target for return on equity is above 15%.

The ratios are shown in the table below:

CHF million	2015	2014
Equity attributable to shareholders of Georg Fischer Ltd	1 081	1 057
Non-controlling interests	49	47
Equity	1 130	1 104
Total assets	3 083	2 989
Equity ratio as %	36.7	36.9
Theoretical equity incl. net value of goodwill	1 189	1 168
Theoretical equity ratio incl. net value of goodwill as %, total assets incl. goodwill	37.8	38.3
Average reported equity	1 117	1 041
Net profit	198	195
Return on average reported equity as %	17.7	18.7

The Corporation does not have any financial covenants with minimal capital requirements. There is one financial covenant concerning the equity ratio.

The Board of Directors presents a proposal for the appropriation of retained earnings to the Annual Shareholders' Meeting. GF pursues a results-oriented dividend policy and usually distributes about 30% to 40% of the Corporation's consolidated net profit to shareholders. This may be distributed either in the form of a dividend payment from the retained earnings or from the reserves from capital contributions. For the 2015 financial year, the Board of Directors proposal to the Annual Shareholders' Meeting is for a dividend payment out of the retained earnings in the amount of CHF 18 per registered share (previous year: dividend payment out of the reserves from capital contributions and the retained earnings in the amount of CHF 17 per registered share). As of 31 December 2015, Georg Fischer registered shares have a par value of CHF 1.

The authorized capital and the conditional capital consists of a maximum of 600 000 shares. The maximum amount of the authorized or conditional capital is reduced by the amount that conditional or authorized capital is created through the issue of bonds or similar debt instruments or new shares.

At the latest until 19 March 2016, the maximum authorized share capital will be CHF 600 000 divided into a maximum of 600 000 registered shares each at a par value of CHF 1.

The reserves which are not disposable respectively distributable amount to CHF 122 million as of 31 December 2015 (previous year: CHF 124 million).

18 Earnings per share

The earnings per share in the amount of CHF 46 (previous year: CHF 45) is calculated by dividing the portion of net profit attributable to Georg Fischer Ltd shareholders by the average number of shares outstanding during the year under review (number of shares issued less number of treasury shares). The average number of shares is 4 089 244 in 2015 (previous year: 4 085 397).

There was no dilution of earnings per share in either the year under review or the previous year.

19 Treasury shares

	2015			2014		
	Quantity	Transaction price (Ø) in CHF	Purchase cost (Ø) in CHF million	Quantity	Transaction price (Ø) in CHF	Purchase cost (Ø) in CHF million
As of 1 January	14 673	622.33	9	16 329	571.48	9
Purchases	20 104	663.58	13	33 996	629.67	21
Disposals	-17 715	663.63	-12	-27 373	645.20	-18
Transfers (share-based compensation)	-8 427	629.09	-5	-8 279	627.50	-5
Changes in share price			1			2
As of 31 December	8 635	652.63	6	14 673	622.33	9

As of year-end 2015, GF held 8 635 treasury shares with a par value of CHF 1 (previous year: 14 673 registered shares). In the year under review, 20 104 treasury shares were purchased on the stock market at an average transaction price of CHF 663.58, and 17 715 treasury shares were sold on the stock market at an average transaction price of CHF 663.63.

In accordance with a plan defined by the Board of Directors, a fixed number of Georg Fischer registered shares are granted to members of the Executive Committee and members of senior management as a long-term financial incentive. Of the 8 635 treasury shares (registered shares) held by GF as of year-end 2015, 8 283 registered shares are earmarked for this long-term financial incentive, after consideration of the registered shares transferred in 2015 for the year under review. The allocation of this share-based compensation is effected according to the provisions of the above-mentioned plan.

The share-based compensation to members of the Board of Directors and the Executive Committee and members of senior management are stated at fair value and recognized as an expense at the grant date. Such compensation is recorded under "Operating expenses" (see note 24) for the Board of Directors and under "Personnel expenses" (see note 25) for the Executive Committee and senior management. The total expense for the share-based compensation plan is CHF 6 million (previous year: CHF 5 million).

20 Contingent liabilities

Contingent liabilities amount to CHF 4 million (previous year: CHF 4 million) and include take-back obligations from leasing transactions with third parties in the amount of CHF 2 million (previous year: CHF 2 million), as well as guarantees and securities granted to third parties of CHF 2 million (previous year: CHF 2 million). This contrasts with the contingent assets amounting to CHF 1 million (previous year: CHF 0 million) arising from litigation.

21 Leases

CHF million	2015	2014
Leasing obligations up to 1 year	17	17
Leasing obligations 1 to 5 years	41	47
Leasing obligations over 5 years	12	16
Operating leases (nominal values)	70	80

Liabilities relating to financial lease contracts in the amount of CHF 7 million (previous year: CHF 10 million) are mainly due to the leasing of the machines of Georg Fischer Hakan Plastik AS by GF Piping Systems. The leasing obligations are included in "Other financial liabilities" and are disclosed in note 13 "Interest-bearing financial liabilities".

22 Pledged or assigned assets

Assets pledged or restricted on title in part or whole amounted to CHF 21 million (previous year: CHF 22 million). In the year under review CHF 15 million (previous year: CHF 15 million) relate to land and buildings, CHF 5 million (previous year: CHF 6 million) to accounts receivable and CHF 1 million (previous year: CHF 1 million) to inventories.

The assets are pledged or restricted on title as collateral for bank loans.

23 Other operating income

CHF million	2015	2014
Sales of material, waste, and scrap	8	9
Income from insurance contracts	6	5
Income from services	11	14
Gains on disposals of property, plant, and equipment	23	1
Foreign exchange gains/losses	-10	3
Other operating income	12	13
Total	50	45

24 Operating expenses

CHF million	2015	2014
External services ¹	145	160
Rent, leases	43	49
External energy supply	97	103
Selling costs, commissions	120	124
Advertisements, communication	84	92
Repair, maintenance	91	100
Other expenses ²	48	37
Total	628	665

1 External services include e.g. temporary employees, IT costs, R&D, insurance costs as well as consulting services.

2 Other expenses include compensation to the members of the Board of Directors of CHF 2.3 million.

25 Personnel expenses

CHF million	2015	2014
Salaries and wages	749	757
Employee benefits	24	24
Social security	152	154
Total	925	935

In accordance with a plan defined by the Board of Directors, a fixed number of Georg Fischer registered shares are granted to members of the Executive Committee and members of senior management as a long-term financial incentive. For the year under review, 6 790 shares (previous year: 6 753) were issued and recognized as personnel expenses at their market value of CHF 4.6 million (previous year: CHF 4.2 million).

26 Financial result

CHF million	2015	2014
Interest income	2	3
Net gains on financial instruments at market value recognized in income statement		1
Financial income	2	4
Interest expenses	34	39
Net losses on financial instruments at market value recognized in income statement	7	1
Other financial expenses	9	6
Financial expenses	50	46

The accrued interest on bonds is recognized in the amount of CHF 1 million (previous year: CHF 1 million) under interest expenses.

Net losses on financial instruments at market value recognized in the income statement mainly relate to foreign exchange losses.

27 Non-operating result

The non-operating result amounted to CHF 3 million (previous year: CHF 14 million). The income mainly results from the sale and the lease of various investment properties.

28 Extraordinary result

In the year under review the sale of a building in Gleisdorf (Austria), by the GF Automotive division resulted in extraordinary income of CHF 2 million. An earn-out adjustment for the discontinued operations in 2012 of two companies in the GF Automotive division, Georg Fischer GmbH, Friedrichshafen (Germany), and Georg Fischer GmbH, Garching (Germany), resulted in an extraordinary loss of CHF 2 million. Therefore the extraordinary result for the year under review amounted to CHF 0 million.

In the previous year, the "Extraordinary result" also amounted to CHF 0 million. Costs of CHF 5 million related to the sale of the gravity die-casting foundry in Herzogenburg (Austria) by the GF Automotive division were charged to the extraordinary result. An earn-out adjustment for the discontinued operations in 2012 of two companies in the GF Automotive division, Georg Fischer GmbH, Friedrichshafen (Germany), and Georg Fischer GmbH, Garching (Germany), resulted in extraordinary income of CHF 5 million.

29 Income taxes

The difference between the expected income tax expense and the effective income tax expense recorded in the financial statements can be explained as follows:

CHF million	2015			2014		
	Total	Thereof current taxes	Thereof deferred taxes	Total	Thereof current taxes	Thereof deferred taxes
Tax rate reconciliation						
Profit before taxes	251			246		
Expected income tax rate in % (rounded)	21			22		
Expected income tax expense	52	48	4	53	50	3
Non-tax deductible expenses/ tax exempted income	2	1	1			
Use of unrecognized tax loss carryforwards	-7	-9	2	-7	-10	3
Effect of non-recognition of tax losses in current year	5	5		4	4	
Recognition of previously unrecognized tax loss carryforwards	-1		-1	-2		-2
Depreciation of recognized tax loss carryforwards				2		2
Tax charges and credits related to prior periods, net	2	2		-1		-1
Effect of change in tax rates	-2	-2		1		1
Other effects	2	3	-1	1	-1	2
Effective income tax expense	53	48	5	51	43	8
Effective income tax rate in %	21			21		

The expected income tax rate of the Corporation amounts to 21% (previous year: 22%) and corresponds to the weighted average tax rate which is based on the profit/loss before taxes and the income tax rate of each individual Corporate Company. The change of the expected income tax rate is due to the variation in profitability and the change of the tax rate of different Corporate Companies. The expected income tax rate based on the ordinary result also amounts to 21% (previous year: 22%).

The following unrecognized tax loss carryforwards are at the disposal of the Corporation:

CHF million	2015	2014
Expiry unlimited	161	198
After 2018	32	31
2018	12	17
2017	3	8
2016		5
2015		11
Total unrecognized tax loss carryforwards	208	270
Potential tax relief effect	54	73

The recognition of tax loss carryforwards is assessed on an annual basis and is based on current assumptions and estimates of the management. Tax loss carryforwards are recognized only to the extent that, within the next two to three years, sufficient taxable profit is expected to be available to allow the deferred tax asset to be utilized. In countries or Corporate Companies where such utilization is not probable, tax loss carryforwards are not recognized. The potential tax relief effect from the unrecognized tax loss carryforwards amounted to CHF 54 million.

As of 31 December 2015, based on the above mentioned estimates, tax loss carryforwards of CHF 29 million (previous year: CHF 32 million) were activated resulting in a deferred tax asset of CHF 7 million (previous year: CHF 8 million). In doing so, the country-specific tax related regulations and opportunities were respected.

30 Related parties

Related parties include members of the Board of Directors and the Executive Committee, employee benefit plans and major shareholders as well as the companies under their control. Transactions with related persons and companies are generally conducted at arms' length.

The members of the Board of Directors are compensated by a fixed number of Georg Fischer registered shares, and a fixed fee paid in cash, which varies according to their function (chairman, member of standing committees, etc.).

The members of the Board of Directors received cash compensation of CHF 1.2 million in the year under review (previous year: CHF 0.9 million). In addition, a total of 1 534 Georg Fischer registered shares (par value of CHF 1) with a market value of CHF 1.0 million were allocated as share-based compensation (previous year: 1 650 Georg Fischer registered shares, equivalent to a market value of CHF 1.0 million). Together with other benefits, the total compensation paid to the Board of Directors in the year under review amounted to CHF 2.3 million (previous year: CHF 2.0 million). The total compensation of the Board of Directors is recognized in the operating expenses (see note 24).

The members of the Executive Committee received 2 050 Georg Fischer registered shares (par value of CHF 1) with a market value of CHF 1.4 million in the year under review (previous year: 2 050 Georg Fischer registered shares with a market value of CHF 1.3 million). In addition, the members of the Executive Committee received cash compensation plus social security and pension contributions of CHF 6.3 million for the year under review (previous year: CHF 5.3 million). The total compensation of the Executive Committee is included in the personnel expenses (see note 25).

Apart from the regular compensation paid to the Board of Directors and the Executive Committee, and the regular contributions to the various employee benefit institutions, no transactions were conducted with related persons or companies.

The total compensation paid to the Board of Directors and Executive Committee breaks down as follows:

CHF 1 000	2015	2014
Compensation	6 309	5 259
Employee benefit payments	817	748
Social security	507	330
Share-based compensation	2 434	2 327
Total compensation	10 067	8 664

Additional fees and remuneration // No member of the Executive Committee or the Board of Directors or any persons related to them received any fees or other compensation for additional services to Georg Fischer Ltd or its Corporate Companies in the 2015 financial year.

Loans to members of governing bodies // Neither Georg Fischer Ltd nor its Corporate Companies granted any guarantees, loans, advances, or credit facilities to members of the Executive Committee or the Board of Directors or to any persons related to them.

The detailed disclosure of the compensation and shareholdings of the members of the Board of Directors and the Executive Committee in accordance with Swiss law can be found in the financial statements of Georg Fischer Ltd on pages 108 to 111.

31 Foreign exchange rates

CHF		Average rates		Spot rates	
		2015	2014	2015	2014
1	AED	0.262	0.249	0.270	0.270
1	ARS	0.105	0.113	0.076	0.117
1	AUD	0.725	0.825	0.722	0.810
1	BRL	0.294	0.389	0.254	0.372
1	CAD	0.754	0.828	0.715	0.852
1	CNY	0.153	0.149	0.153	0.160
1	EUR	1.068	1.215	1.083	1.203
1	GBP	1.472	1.506	1.469	1.540
1	HKD	0.124	0.118	0.128	0.128
1	INR	0.015	0.015	0.015	0.016
1	MXN	0.061	0.069	0.057	0.067
1	MYR	0.248	0.280	0.230	0.283
1	NZD	0.674	0.759	0.679	0.775
1	SGD	0.700	0.722	0.701	0.748
1	TRY	0.356	0.418	0.340	0.425
1	USD	0.963	0.915	0.991	0.990
100	CZK	3.915	4.413	4.004	4.338
100	DKK	14.324	16.296	14.505	16.151
100	JPY	0.796	0.866	0.822	0.827
100	KRW	0.085	0.087	0.084	0.091
100	NOK	11.944	14.551	11.315	13.330
100	PLN	25.550	29.030	25.506	28.075
100	SEK	11.416	13.365	11.803	12.770
100	THB	2.816	2.817	2.744	3.005
100	TWD	3.033	3.017	3.009	3.129

32 Events after the balance sheet date

The consolidated financial statements were approved and released for publication by the Board of Directors on 19 February 2016. They must also be approved at the Annual Shareholders' Meeting.

On 27 January 2016, Georg Fischer Ltd, acquired the remaining 10% of the capital of Georg Fischer Hakan Plastik AS, Cerkezköy (Turkey), for CHF 11 million. The transaction is expected to be completed by the end of the first quarter of 2016, once all of the authorities have given their approval. Georg Fischer Ltd will then own 100% of the capital of Georg Fischer Hakan Plastik AS.

In addition, on 27 January 2016, the outstanding earn-out in the amount of CHF 31 million was paid by Georg Fischer Ltd to the former owners of Georg Fischer Hakan Plastik AS.

There were no other events between 31 December 2015 and 19 February 2016 that would require an adjustment to the carrying amounts of assets and liabilities and equity or would need to be disclosed under this heading.

33 Affiliated Companies

Country	Division	Company	Functional currency	Share capital million	Participation %	Consolidation	Function
Europe							
Austria	PS	Georg Fischer Fittings GmbH, Traisen	EUR	3,7	51	C	P
	PS	Georg Fischer Rohrleitungssysteme GmbH, Herzogenburg	EUR	0,2	100	C	S
	AU	Georg Fischer Automobilguss GmbH, Herzogenburg ¹	EUR	4,6	100	C	H
	AU	Georg Fischer Druckguss GmbH, Herzogenburg	EUR	0,1	100	C	P
	AU	Georg Fischer Eisenguss GmbH, Herzogenburg	EUR	0,1	100	C	P
	AU	Georg Fischer GmbH & Co KG, Altenmarkt	EUR	2,4	100	C	P
Belgium	PS	Georg Fischer NV-SA, Bruxelles	EUR	0,5	100	C	S
Czech Republic	MS	GF Machining Solutions sro, Brno ¹	CZK	12,3	100	C	S
Denmark	PS	Georg Fischer A/S, Taastrup ¹	DKK	0,5	100	C	S
France	CM	Georg Fischer Holding SAS, Palaiseau ¹	EUR	6,4	100	C	H
	PS	Georg Fischer SAS, Villepinte	EUR	1,1	100	C	S
	MS	GF Machining Solutions SAS, Palaiseau	EUR	4,0	100	C	S
Germany	CM	Georg Fischer BV & Co KG, Singen ¹	EUR	25,6	100	C	H
	CM	Georg Fischer Geschäftsführungs-GmbH, Singen	EUR	0,1	100	C	M
	CM	Georg Fischer Giessereitechnologie GmbH, Singen	EUR	0,5	100	C	M
	CM	MGH Verwaltungs GmbH, Biedenkopf-Wallau	EUR	0,1	51	C	M
	PS	Georg Fischer DEKA GmbH, Dautphetal-Mornshausen	EUR	2,6	100	C	P
	PS	Georg Fischer GmbH, Albershausen	EUR	2,6	100	C	S
	PS	Georg Fischer Fluorpolymer Products GmbH, Ettenheim	EUR	4,0	100	C	P
	AU	Georg Fischer Automobilguss GmbH, Singen	EUR	12,8	100	C	P
	AU	Georg Fischer GmbH, Mettmann	EUR	0,1	100	C	P
	AU	Georg Fischer GmbH, Leipzig	EUR	0,9	100	C	P
	AU	Georg Fischer GmbH, Werdohl	EUR	0,3	100	C	P
	AU	Georg Fischer Dienstleistungen GmbH, Mettmann	EUR	0,1	100	C	M
	AU	MECO Eckel GmbH & Co KG, Biedenkopf-Wallau	EUR	0,2	51	C	P
	AU	Eckel & Co GmbH, Biedenkopf-Wallau	EUR	0,1	51	C	M
	Great Britain	MS	GF Machining Solutions GmbH, Schorndorf	EUR	2,6	100	C
PS		George Fischer Sales Ltd, Coventry ¹	GBP	4,0	100	C	S
MS		GF Machining Solutions Ltd, Coventry ¹	GBP	2,0	100	C	S
Italy	CM	Georg Fischer Holding Srl, Caselle di Selvazzano	EUR	0,5	100	C	H
	PS	Georg Fischer TPA Srl, Busalla	EUR	0,7	100	C	P
	PS	Georg Fischer Omicron Srl, Caselle di Selvazzano	EUR	0,1	100	C	P
	PS	Georg Fischer PfcI Srl, Valeggio sul Mincio	EUR	0,5	100	C	P
	PS	Georg Fischer SpA, Cernusco sul Naviglio	EUR	1,3	100	C	S
Netherlands	MS	GF Machining Solutions SpA, Cusano Milanino	EUR	3,0	100	C	S
	CM	Georg Fischer Holding NV, Epe ¹	EUR	0,9	100	C	H
	CM	Georg Fischer Management BV, Epe ¹	EUR	0,1	100	C	M
	PS	Georg Fischer NV, Epe	EUR	0,9	100	C	S
Norway	PS	Georg Fischer WAGA NV, Epe	EUR	0,4	100	C	P
	PS	Georg Fischer AS, Rud ¹	NOK	1,0	100	C	S
Poland	PS	Georg Fischer Sp.z.o.o., Warszawa ¹	PLN	18,5	100	C	S
	MS	GF Machining Solutions Sp.z.o.o., Warszawa ¹	PLN	1,3	100	C	S
Spain	PS	Georg Fischer SA, Madrid ¹	EUR	1,5	100	C	S
	MS	GF Machining Solutions SAU, Barcelona ¹	EUR	2,7	100	C	S

¹ Directly held by Georg Fischer Ltd.

Country	Division	Company	Functional currency	Share capital million	Participation %	Consolidation	Function
Sweden	PS	Georg Fischer AB, Stockholm ¹	SEK	1,6	100	C	S
	MS	System 3R International AB, Vällingby ¹	SEK	17,1	100	C	P
Switzerland	CM	WIBILEA AG, Neuhausen ¹	CHF	1,0	43	E	M
	CM	Eisenbergwerk Gonzen AG, Sargans ¹	CHF	0,5	49	F	M
	CM	Georg Fischer AG, Schaffhausen	CHF	4,1		C	H
	CM	Georg Fischer Liegenschaften AG, Schaffhausen ¹	CHF	4,0	100	C	M
	CM	Georg Fischer Finanz AG, Schaffhausen ¹	CHF	10,0	100	C	M
	PS	Georg Fischer Rohrleitungssysteme AG, Schaffhausen ¹	CHF	20,0	100	C	P
	PS	Georg Fischer Rohrleitungssysteme (Schweiz) AG, Schaffhausen ¹	CHF	0,5	100	C	S
	PS	Georg Fischer Wavin AG, Schaffhausen ¹	CHF	17,8	60	C	P
	PS	Georg Fischer JRG AG, Sissach ¹	CHF	1,8	100	C	P
	AU	Georg Fischer Automotive AG, Schaffhausen ¹	CHF	1,0	100	C	M
	MS	Agie Charmilles SA, Losone ¹	CHF	10,0	100	C	P
	MS	Agie Charmilles Services SA, Meyrin ¹	CHF	3,6	100	C	S
	MS	GF Machining Solutions Management SA, Meyrin ¹	CHF	0,5	100	C	M
	MS	GF Machining Solutions International SA, Losone ¹	CHF	2,6	100	C	S
	MS	Agie Charmilles New Technologies SA, Meyrin ¹	CHF	10,0	100	C	P
	MS	Mecartex SA, Losone	CHF	0,4	30	E	P
	MS	Mikron Agie Charmilles AG, Nidau ¹	CHF	3,5	100	C	P
MS	Step-Tec AG, Luterbach ¹	CHF	1,3	98	C	P	
MS	Liechti Engineering AG, Langnau ¹	CHF	0,1	100	C	P	
Near East							
UAE	PS	Georg Fischer Corys LLC, Dubai ¹	AED	0,3	49	E	P
Turkey	PS	Georg Fischer Hakan Plastik AS, Cerkezköy ¹	TRY	20,0	90	C	P
	MS	System 3R Hassas Baglama Ekipmanlari Tic Ltd Sti, Istanbul ¹	TRY	0,1	100	E	S
America							
Argentina	PS	Georg Fischer Central Plastics Sudamerica SRL, Buenos Aires ¹	ARS	1,4	100	C	S
	PS	Polytherm Central Sudamericana SA, Buenos Aires	ARS	0,1	49	E	S
Bermuda	CM	Munot Reinsurance Ltd, Hamilton ¹	EUR	0,1	100	C	M
Brazil	PS	Georg Fischer Sistemas de Tubulacoes Ltda, São Paulo ¹	BRL	7,7	100	C	S
	MS	GF Machining Solutions Máquinas Ltda, São Paulo ¹	BRL	60,9	100	C	S
Canada	PS	Georg Fischer Piping Systems Ltd, Mississauga ¹	CAD	0,1	100	C	S
Mexico	PS	Georg Fischer SA de CV Mexico, Monterrey ¹	MXN	0,1	100	C	S
USA	CM	George Fischer Corporation, El Monte, CA ¹	USD	0,1	100	C	H
	CM	Georg Fischer Export Inc, El Monte, CA ¹	USD	0,1	100	C	M
	PS	Georg Fischer LLC, Irvine, CA	USD	3,8	100	C	S
	PS	Georg Fischer Signet LLC, El Monte, CA	USD	0,1	100	C	P
	PS	Georg Fischer Central Plastics LLC, Shawnee, OK	USD	1,1	100	C	P
	PS	Georg Fischer Harvel LLC, Easton, PA	USD	0,1	100	C	P
MS	GF Machining Solutions LLC, Lincolnshire, IL	USD	0,1	100	C	S	

¹ Directly held by Georg Fischer Ltd.

Country	Division	Company	Functional currency	Share capital million	Participation %	Consolidation	Function
Asia / Australia							
Australia	CM	George Fischer IPS Pty Ltd, Riverwood ¹	AUD	7,1	100	C	H
	PS	George Fischer Pty Ltd, Riverwood	AUD	3,8	100	C	S
China	CM	Georg Fischer Business Services (Shanghai) Co Ltd, Shanghai ¹	CNY	1,1	100	C	M
	PS	Changchun Chinaust Automobile Parts Corp Ltd, Changchun	CNY	10,0	50	P	P
	PS	Chinaust Plastics Corp Ltd, Zhuozhou	CNY	100,0	50	P	P
	PS	Chinaust Plastics (Shenzhen) Co Ltd, Shenzhen ¹	CNY	80,0	50	P	P
	PS	Chinaust Plastics (Sichuan) Corp Ltd, Dujiangyan ¹	CNY	80,0	50	P	P
	PS	Hebei Chinaust Automotive Plastics Corp Ltd, Zhuozhou ¹	CNY	58,2	50	P	P
	PS	Shanghai Chinaust Automotive Plastics Corp Ltd, Shanghai ¹	CNY	40,3	50	P	P
	PS	Shanghai Chinaust Plastics Corp Ltd, Shanghai	CNY	100,0	50	P	P
	PS	Shanghai Georg Fischer Chinaust Plastics Fittings Corp Ltd, Shanghai ¹	CNY	52,0	51	C	P
	PS	Georg Fischer Piping Systems Ltd, Shanghai ¹	CNY	41,4	100	C	P
	PS	Georg Fischer Piping Systems (Trading) Ltd, Shanghai ¹	CNY	1,7	100	C	S
	PS	Georg Fischer Piping Systems Ltd, Beijing ¹	CNY	36,7	100	C	P
	AU	Georg Fischer Automotive (Suzhou) Co Ltd, Suzhou ¹	CNY	209,5	100	C	P
	AU	Georg Fischer Automotive (Kunshan) Co Ltd, Kunshan ¹	CNY	149,5	100	C	P
	MS	GF Machining Solutions Ltd, Hongkong ¹	HKD	3,0	100	C	S
	MS	ACM North China (HK) Ltd, Hongkong ¹	HKD	0,1	100	C	S
	MS	Agie Charmilles China (HK) Ltd, Hongkong ¹	HKD	0,5	100	C	S
	MS	Agie Charmilles China (Shanghai) Co Ltd, Shanghai	CNY	2,5	100	C	S
	MS	Agie Charmilles China (Shenzhen) Ltd, Shenzhen	CNY	2,5	100	C	S
	MS	Agie Charmilles China (Tianjin) Ltd, Tianjin	CNY	1,7	100	C	S
	MS	Beijing Agie Charmilles Industrial Electronics Co Ltd, Beijing ¹	CNY	80,3	78	C	P
	MS	Beijing Agie Charmilles Technology & Service Ltd, Beijing	CNY	4,5	78	C	S
	MS	Changzhou Agie Charmilles Machine Tool Co Ltd, Changzhou ¹	CNY	55,4	100	C	P
	MS	System 3R Shanghai Co Ltd, Shanghai	CNY	1,5	100	C	S
	MS	Liechti (Shanghai) Engineering Co Ltd, Shanghai	CNY	0,1	100	F	S
India	PS	Georg Fischer Piping Systems PVT Ltd, Mumbai ¹	INR	215,4	100	C	P
Japan	PS	Georg Fischer Ltd, Osaka ¹	JPY	480,0	81	C	S
	MS	GF Machining Solutions Ltd, Yokohama ¹	JPY	50,0	100	C	S
Korea	PS	Georg Fischer Korea Co. Ltd., Yongin-si ¹	KRW	600,0	100	C	S
	MS	GF Machining Solutions Co Ltd, Seoul ¹	KRW	975,0	100	C	S
Malaysia	PS	George Fischer (M) SDN BHD, Shah alam ¹	MYR	10,0	100	C	P
New Zealand	PS	Georg Fischer Ltd, Wellington ¹	NZD	0,1	100	C	S
Singapore	PS	George Fischer Pte Ltd, Singapore ¹	SGD	3,0	100	C	S
	MS	GF Machining Solutions Pte Ltd, Singapore ¹	SGD	2,1	100	C	S
Taiwan	PS	Georg Fischer Co Ltd, New Taipei City ¹	TWD	1,0	100	C	S
	MS	GF Machining Solutions Ltd, San Chung, Taipei Hsien ¹	TWD	10,0	100	C	S
Vietnam	MS	GF Machining Solutions Co Ltd, Hanoi ¹	VND	500,0	100	F	S

1 Directly held by Georg Fischer Ltd.

Division

CM = Corporate Management
PS = GF Piping Systems
AU = GF Automotive
MS = GF Machining Solutions

Consolidation

C = Fully consolidated
P = Proportionately consolidated
E = Stated based on the equity method
F = Stated at estimated fair value

Function

H = Holding
P = Production
M = Management and Services
S = Sales

Status as of 31 December 2015