

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 2018 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>			
A	This return/report is for:	☐ a multiemployer plan ☒ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☐ a single-employer plan ☐ the first return/report ☐ an amended return/report	☐ a DFE (specify) _____ ☐ the final return/report ☐ a short plan year return/report (less than 12 months)	
B	This return/report is:		
C	If the plan is a collectively-bargained plan, check here.	▶ ☐	
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program	
	☐ special extension (enter description)		

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>BOSCH PENSION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>001</u>
		1c	Effective date of plan <u>01/01/1963</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>ROBERT BOSCH LLC</u> <u>38000 HILLS TECH DRIVE</u> <u>FARMINGTON HILLS, MI 48331</u>	2b	Employer Identification Number (EIN) <u>36-2903176</u>
		2c	Plan Sponsor's telephone number <u>248-553-9000</u>
		2d	Business code (see instructions) <u>423100</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2019	GARY GRABARCZYK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2018)
v. 171027

3a Plan administrator's name and address ☐ Same as Plan Sponsor BOSCH BENEFIT PLANS COMMITTEE 38000 HILLS TECH DRIVE FARMINGTON HILLS, MI 48331	3b Administrator's EIN 36-2903176 3c Administrator's telephone number 248-553-9000
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 16388
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).	
a(1) Total number of active participants at the beginning of the plan year	6a(1) 5978
a(2) Total number of active participants at the end of the plan year	6a(2) 5438
b Retired or separated participants receiving benefits.....	6b 5917
c Other retired or separated participants entitled to future benefits	6c 4016
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 15371
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	6e 787
f Total. Add lines 6d and 6e	6f 16158
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	6g
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1A 1C 1I 3H	
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☒ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ 0 **A** (Insurance Information)
- (4) ☐ **C** (Service Provider Information)
- (5) ☒ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2018 Form M-1 annual report. If the plan was not required to file the 2018 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan <u>BOSCH PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>ROBERT BOSCH LLC</u>	D Employer Identification Number (EIN) <u>36-2903176</u>
E Type of plan: ☐ Single ☐ Multiple-A ☒ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>	
2 Assets:	
a Market value.....	2a <u>1514134469</u>
b Actuarial value	2b <u>1431705887</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants <u>6479</u> (2) Vested Funding Target <u>622053494</u> (3) Total Funding Target <u>622053494</u>
b For terminated vested participants	<u>3931</u> <u>172507615</u> <u>172507615</u>
c For active participants	<u>5978</u> <u>360698411</u> <u>362001624</u>
d Total	<u>16388</u> <u>1155259520</u> <u>1156562733</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.76 %</u>
6 Target normal cost	6 <u>2237647</u>

Statement by Enrolled Actuary
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	
Signature of actuary	<u>09/09/2019</u>
<u>KAREN A. HIRSCHHORN</u>	Date
Type or print name of actuary	<u>17-04099</u>
<u>AON CONSULTING, INC.</u>	Most recent enrollment number
Firm name	<u>847-295-5000</u>
<u>4 OVERLOOK POINT LINCOLNSHIRE, IL 60069-4302</u>	Telephone number (including area code)
Address of the firm	

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	120534482
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	120534482
10 Interest on line 9 using prior year's actual return of <u>13.59</u> %	0	16380636
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		50960736
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.95</u> %		3032164
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		53992900
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	136915118

Part III Funding Percentages

14 Funding target attainment percentage	14	111.95%
15 Adjusted funding target attainment percentage	15	123.78%
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	113.06%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ▶			18(b)	0	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	0

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
22 Weighted average retirement age				22 63
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
	Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	2237647	
b Excess assets, if applicable, but not greater than line 31a	31b	2237647	
32 Amortization installments:	Outstanding Balance		Installment
a Net shortfall amortization installment	0	0	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

<div>SCHEDULE D</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2018</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018					
A Name of plan BOSCH PENSION PLAN				B Three-digit plan number (PN) ▶ 001	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 ROBERT BOSCH LLC				D Employer Identification Number (EIN) 36-2903176	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: ROBERT BOSCH LLC MSTR TRUST RET TR					
b Name of sponsor of entity listed in (a): ROBERT BOSCH LLC					
c EIN-PN 36-2903176-100		d Entity code M		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1379830095	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
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c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at	

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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan BOSCH PENSION PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 ROBERT BOSCH LLC	D Employer Identification Number (EIN) 36-2903176	

Part I	Asset and Liability Statement
---------------	--------------------------------------

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	54250000	0
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans.....	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	1460141571	1379830095
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	1514391571	1379830095

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h	899293	937986
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	899293	937986

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	1513492278	1378892109
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Part II Income and Expense Statement

- 2** Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)		
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		0
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		0
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		-69745661
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-69745661

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	59012594	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		59012594
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)		
(4) Other	2i(4)	5841914	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		5841914
j Total expenses. Add all expense amounts in column (b) and enter total	2j		64854508

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-134600169
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: PRICEWATERHOUSECOOPERS, LLP

(2) EIN: 13-4008324

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.).....	4d		X	
e Was this plan covered by a fidelity bond?	4e	X		15000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i		X	
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?.....	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No
 If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4149364. (See instructions.)

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>BOSCH PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>ROBERT BOSCH LLC</u>	D Employer Identification Number (EIN) <u>36-2903176</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>36-3046063</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>53</u>

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☒ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☒ Both	☐ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2018
v. 171027

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****14c**

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year

b The corresponding number for the second preceding plan year

15a**15b**

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers

16a**16b**

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:

Stock: 45.0 % Investment-Grade Debt: 55.0 % High-Yield Debt: 0.0 % Real Estate: 0.0 % Other: 0.0 %

- b** Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☒ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

- c** What duration measure was used to calculate line 19(b)?

☒ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

Bosch Pension Plan

Financial Statements

December 31, 2018 and 2017

Bosch Pension Plan

Index

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Statements of Net Assets Available for Benefits December 31, 2018 and 2017	3
Statements of Changes in Net Assets Available for Benefits Years Ended December 31, 2018 and 2017	4
Notes to Financial Statements December 31, 2018 and 2017	5–14
Note: Supplemental schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have not been included herein as they are not applicable.	



Report of Independent Auditors

To the Administrator of the Bosch Pension Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Bosch Pension Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 4, which was certified by The Northern Trust Company, the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained certifications from the trustee as of December 31, 2018 and 2017 and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on the financial statements.



Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

A handwritten signature in black ink that reads "PricewaterhouseCoopers LLP".

October 15, 2019

Bosch Pension Plan
Statements of Net Assets Available for Benefits
December 31, 2018 and 2017

	2018	2017
Assets		
Plan interest in Robert Bosch LLC		
Master Retirement Trust, at fair value	\$ 1,379,830,095	\$ 1,460,141,571
Employer contributions receivable	<u>-</u>	<u>54,250,000</u>
	1,379,830,095	1,514,391,571
Liabilities		
Accrued expenses	<u>937,986</u>	<u>899,293</u>
Net assets available for benefits	<u>\$ 1,378,892,109</u>	<u>\$ 1,513,492,278</u>

The accompanying notes are an integral part of these financial statements.

Bosch Pension Plan
Statements of Changes in Net Assets Available for Benefits
Years Ended December 31, 2018 and 2017

	2018	2017
Additions		
Employer contributions	\$ -	\$ 54,250,000
Plan interest in net investment (loss) income of Robert Bosch LLC Master Retirement Trust	(69,745,661)	180,758,203
(Net) total additions	<u>(69,745,661)</u>	<u>235,008,203</u>
Deductions		
Benefit payments	59,012,594	56,166,890
Administrative expenses	<u>5,841,914</u>	<u>5,412,318</u>
Total deductions	<u>64,854,508</u>	<u>61,579,208</u>
Net (decrease) increase	(134,600,169)	173,428,995
Net assets available for benefits		
Beginning of year	<u>1,513,492,278</u>	<u>1,340,063,283</u>
End of year	<u>\$ 1,378,892,109</u>	<u>\$ 1,513,492,278</u>

The accompanying notes are an integral part of these financial statements.

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

1. Description of the Plan

The following brief description of the Bosch Pension Plan (the “Plan”) is provided for general information purposes only. Participants should refer to the Plan document for a more complete description.

The assets of the Plan are invested in the Robert Bosch LLC Master Retirement Trust (“Master Trust”).

General

The Plan is a noncontributory, defined-benefit pension plan that is administered by a Benefit Plans Committee composed of representatives of Robert Bosch LLC (the “Company” or “Plan Sponsor”) and participating subsidiaries and affiliates. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

All employees of the Company and its participating subsidiaries and affiliates that have adopted the Plan (collectively, the “Employers”) are participants in the Plan on their date of hire, provided they are not included in a collective bargaining unit or any other group of employees to which the Plan has not been extended.

Effective July 1, 2011, participation in the Plan was frozen so that no individual who was not a participant in the Plan prior to July 1, 2011, could become a participant after June 30, 2011. There were no changes to vesting provisions as a result of the freeze and participants will continue to receive vesting service under the terms of the Plan document. Employees hired on or after July 1, 2011 may be eligible to participate in a new defined contribution plan established by the Company, the Robert Bosch Defined Contribution Retirement Plan (“BDC Plan”).

Contributions

The Employers have agreed to voluntarily contribute such amounts as are necessary to provide assets sufficient to meet the funding requirements of ERISA. There were no contributions required for 2018; the Plan has met the ERISA minimum funding requirements for 2017.

Benefit Payments

A participant is eligible for normal retirement benefits on or after the attainment of age 65 subject to certain transitional provisions from previously merged plans as defined in the Plan document. Prior to January 1, 2005, for normal retirement, a yearly pension is payable for the life of the participant equal to 1.25% of final average pay, as defined, plus 0.25% of their final average pay above the Average Social Security Wage Base, times credited service up to 35 years, plus 1.5% of final average pay times credited service between 35-40 years. These benefits were frozen at December 31, 2004.

Effective January 1, 2005, participants under the Plan began earning new benefits, based on pension credits. Pension credits consist of pay credits, based on pensionable earnings and age at December 31, and interest credits, based on an annual interest crediting rate applied to accumulated pension credits. The pension credits are then converted to an annuity. This annuity is added to the frozen December 31, 2004 annuity to arrive at the participant’s total benefit payment from the Plan.

For plan years 2005 through 2016, certain participants, who were participants as of December 31, 2004, and had attained a defined combined age and years of service total, received an additional “transition” pay credit, to be added to their pension credits as described above.

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

In conjunction with the 2011 freeze of the Plan, no participant received pay credits after June 30, 2011. Participants continue to receive interest credits after June 30, 2011. Participants eligible for transition pay credits continued to receive transition pay credits through December 31, 2016.

A participant is eligible for early retirement benefits on or after the attainment of age 55 and before his or her normal retirement date, as defined in the Plan document. Pension benefits will be reduced by a set percentage per year based upon age, as defined in the Plan document, for each year a participant receives benefits before his or her 62nd year.

At age 55, a participant is automatically vested. If terminated, a participant with 3 years of service, each with at least 1,000 hours of service, will be vested and therefore entitled to begin receiving retirement benefits as early as attaining the age of 55. Participants who are actively employed at a location that is closed generally become fully vested on the closure date, subject to the approval of the Plan Sponsor.

Optional forms of payment are available if elected by the participant as described in the Plan document. A participant that is married at the date of retirement would receive a joint and 100% survivor benefit unless spousal consent is obtained for an alternate benefit payment. Participants' beneficiaries are entitled to death benefits, as defined in the Plan document.

Plan Termination

Although it has not expressed any intent to do so, the Company has the right to terminate the Plan subject to the provisions of ERISA and as described in the Plan document. Should the Plan terminate at some future time, its net assets will generally not be available on a pro rata basis to provide participants' benefits. Whether a particular participant's accumulated plan benefits will be paid depends on the priority of those benefits, the financial condition of the Company, and the level of benefits guaranteed by the Pension Benefit Guaranty Corporation ("PBGC") at that time. Some benefits may be fully or partially provided for by the then-existing assets and the PBGC guarantee, while other benefits may not be provided for at all.

Administrative Expenses

Substantially all administrative expenses allowable under ERISA are paid by the Plan; all other expenses are paid by the Company.

2. Significant Accounting Policies

New Accounting Pronouncement

In February 2017, the Financial Accounting Standards Board issued ASU 2017-06 *Employee Benefit Plan Master Trust Reporting* to improve the usefulness of information reported to users of employee benefit plan financial statements by clarifying presentation requirements for a plan's interest in a master trust and requiring more detailed disclosures of the plan's interest in the master trust. The new guidance requires that a plan's interest in a master trust and changes in that interest be reported in separate line items in the statement of net assets available for benefits and statement of changes in net assets available for benefits, respectively. The new guidance also removes the requirement to disclose the percentage interest for plans with a divided interest in a master trust, requires all plans to disclose the dollar amount of their interest in each general investment type of the master trust, and requires plans to disclose the master trust's other asset and liability balances and the dollar amount of the plan's interest in each of those balances. This guidance is effective for the plan year ending December 31, 2019, with retrospective application required. Early adoption is permitted. The Plan's management is currently reviewing the impact of

Bosch Pension Plan

Notes to Financial Statements

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this guidance on the Plan's financial statements and the accompanying notes to the financial statements.

Basis of Accounting

The financial statements of the Plan have been prepared on the accrual basis of accounting and in conformity with accounting principles generally accepted in the United States of America ("GAAP").

Benefit Payments

Benefits are recorded when paid.

Investment Valuation and Income Recognition

The Master Trust's investments are stated at fair value. The fair value of the participation units in the common collective trusts is based on the net asset value ("NAV") of units held on the last business day of the Plan year. The NAV as provided by the trustee is used as a practical expedient to estimate fair value. Securities such as common stock, preferred stock, and real estate investment trusts traded on a national securities exchange are valued at the last reported sales price or official closing price on the last business day of the Plan year; investments traded in the over-the-counter market and listed securities for which no sale was reported on that date are valued at the average of the last reported bid and ask prices. Fixed income securities such as corporate debt instruments and U.S. government securities are valued based on yields currently available on comparable securities of issuers with similar credit ratings. When quoted prices are not available, the bond is valued using matrix pricing or models from reputable pricing vendors. Certificates of deposit are valued at amortized cost.

Investment transactions of the Master Trust are recorded on the trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits (Note 3) are those estimated future periodic payments, including lump-sum distributions, which are attributable under the Plan's provisions to services rendered by the employees to the date pay and transition credits were frozen or to the valuation date for certain ongoing accrued benefits. Accumulated plan benefits include benefits expected to be paid to: (a) retired or terminated employees or their beneficiaries; and (b) present employees or their beneficiaries. Benefits payable under all circumstances - retirement, death, disability, and termination of employment - are included to the extent they are deemed attributable to employee service rendered to the valuation date or freeze date.

Use of Estimates

The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires the plan administrator to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, disclosure of contingent assets and liabilities, and the actuarial present value of accumulated plan benefits at the date of the financial statements. Actual results could differ from those estimates.

Administrative Expenses

Administrative expense includes both identified fees specific to the Plan as well as periodic fees allocated from the Master Trust. Periodic fees allocated from the Master Trust were \$3,457,769 and \$3,270,758 for 2018 and 2017, respectively.

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

3. Accumulated Plan Benefits

The Plan uses an independent actuary to calculate the actuarial present value of accumulated plan benefits, which is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits earned by the participants to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal, or retirement) between the valuation date and the expected date of payment.

The actuarial present value of accumulated plan benefits at December 31, 2017 was as follows:

Vested benefits	
Participants currently receiving payments	\$ 648,272,605
Other participants	623,031,854
Total vested benefits	1,271,304,459
Nonvested benefits	342,462
Total actuarial present value of accumulated plan benefits	<u>\$ 1,271,646,921</u>

The following summarizes the significant components of the change in the actuarial present value of accumulated plan benefits from December 31, 2016 to 2017:

Actuarial present value of accumulated plan benefits as of December 31, 2016	\$ 1,262,637,359
Increase (decrease) during the year attributable to	
Interest accumulation	61,744,822
Benefits paid	(56,166,890)
Assumption changes	786,928
Benefits accumulated and actuarial experience gain / loss	2,644,702
Actuarial present value of accumulated plan benefits as of December 31, 2017	<u>\$ 1,271,646,921</u>

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

Significant assumptions underlying the actuarial computations are as follows:

	December 31, 2017	December 31, 2016
Interest Rate	5.00%	5.00%
Retirement Rate		
Term Vested	Age 61	Age 61-65
Active		
By Age 55	5.00%	5.00%
By Age 60	7.50%	10.00%
By Age 62	17.50%	15.00%
By Age 64	25.00%	25.00%
By Age 70	100.00%	100.00%
Mortality	RP-2006 with Scale MP-2018	RP2006 with Scale MP-2017
Cash Balance Interest Crediting Rate	3.99%	3.82%

Additional assumption changes include a change in the retirement and termination rates to better reflect plan experience in addition to a change in the spouse age difference from males being three years older to males being two years older.

These actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

4. Certification of Investment Information

All investment information disclosed in the accompanying financial statements, including plan interest in Robert Bosch LLC Master Retirement Trust at December 31, 2018 and 2017, plan interest in net investment (loss) income of Robert Bosch LLC Master Retirement Trust for the years then ended, and the investments and investment (loss) income information of the Master Trust presented in Note 5, was obtained or derived from information supplied to the plan administrator and certified as complete and accurate by The Northern Trust Company ("Trustee").

Bosch Pension Plan
Notes to Financial Statements
December 31, 2018 and 2017

5. Investment in Master Trust

The Plan's investments are in the Master Trust, which was established for the investment of assets of the Plan, and several other Company-sponsored retirement plans. Each participating retirement plan has an undivided interest in the Master Trust. At December 31, 2018 and 2017, the Plan's interest in the net assets of the Master Trust was approximately 80.8% and 79.9%, respectively. The value of the Plan's interest is determined on the basis of cumulative funds specifically contributed on behalf of the Plan, net of funds withdrawn for benefit payments and expenses specific to the Plan and adjusted for an allocation of investment income and investment expenses. Investment income and expenses are allocated monthly to the Plan based upon its pro rata share in the net assets of the Master Trust.

The following table presents the net assets of the Master Trust at December 31:

	2018	2017
Investments, at fair value		
Common collective trusts	\$ 961,820,051	\$ 1,026,182,672
Common stock	383,984,527	458,378,245
Preferred stock	1,644,070	1,924,989
Corporate debt instruments - Other	204,159,905	197,646,927
Corporate debt instruments - Preferred	13,629,067	18,017,808
U.S. government securities	117,107,092	100,660,987
Real estate investment trusts	7,507,621	5,985,894
Interest bearing cash and certificates of deposit	11,996,559	13,795,053
Other	1,725,009	2,142,360
Total investments	1,703,573,901	1,824,734,935
Accrued interest and dividend income	4,615,953	3,750,691
Pending trade sales	291,770	71,484
Total assets	1,708,481,624	1,828,557,110
Liabilities		
Pending trade purchases	1,090,096	845,696
Accrued expenses	945,771	982,810
Total liabilities	2,035,867	1,828,506
Net assets	\$ 1,706,445,757	\$ 1,826,728,604

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

The following table presents the changes in net assets of the Master Trust for the years ended December 31:

	2018	2017
Interest and dividend income	\$ 22,313,727	\$ 19,744,683
Net (depreciation) appreciation in fair value of investments	(108,371,000)	207,021,298
Investment expenses	(4,277,215)	(4,097,623)
Net investment (loss) income	(90,334,488)	222,668,358
Net transfers	(26,496,896)	(23,149,444)
Administrative expenses	(3,451,463)	(3,257,651)
(Decrease) increase in net assets	(120,282,847)	196,261,263
Net assets		
Beginning of year	1,826,728,604	1,630,467,341
End of year	\$ 1,706,445,757	\$ 1,826,728,604

6. Fair Value Measurements

The FASB established a framework to increase consistency and comparability in fair value measurements. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described as follows:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Master Trust has the ability to access.

Level 2 Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

For a description of the valuation methodologies used for assets measured at fair value see Investment Valuation and Income Recognition under Note 2. There have been no changes in the methodologies used at December 31, 2018 and 2017. In determining the reasonableness of the methodology, the Plan's Investment Committee evaluates a variety of factors including review of existing contracts, economic conditions, industry and market developments, and overall credit ratings. These methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Master Trust believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

For the years ended December 31, 2018 and 2017, there were no significant transfers in or out of levels 1, 2 or 3.

The following tables set forth by level within the fair value hierarchy the Master Trust's investment assets at fair value as of December 31, 2018 and 2017:

Investment Assets at Fair Value as of December 31, 2018				
	Level 1	Level 2	Level 3	Total
Common stock	\$ 383,984,527	\$ -	\$ -	\$ 383,984,527
Corporate debt instruments				
Corporate debt instruments - preferred	-	13,629,067	-	13,629,067
Corporate debt instruments - other	-	204,159,905	-	204,159,905
Preferred stock	1,644,070	-	-	1,644,070
U.S. government securities	-	117,107,092	-	117,107,092
Real estate investment trusts	7,507,621	-	-	7,507,621
Interest bearing cash and certificates of deposit	5,892,433	6,104,126	-	11,996,559
Other	398,191	1,326,818	-	1,725,009
Total Assets in the Fair Value Hierarchy	399,426,842	342,327,008	-	741,753,850
Common collective trusts (a)				961,820,051
Total Master Trust Investment at Fair Value	\$ 399,426,842	\$ 342,327,008	\$ -	\$ 1,703,573,901

Investment Assets at Fair Value as of December 31, 2017				
	Level 1	Level 2	Level 3	Total
Common stock	\$ 458,378,245	\$ -	\$ -	\$ 458,378,245
Corporate debt instruments				
Corporate debt instruments - preferred	-	18,017,808	-	18,017,808
Corporate debt instruments - other	-	197,646,927	-	197,646,927
Preferred stock	1,924,989	-	-	1,924,989
U.S. government securities	-	100,660,987	-	100,660,987
Real estate investment trusts	5,985,894	-	-	5,985,894
Interest bearing cash & certificate of deposit	3,444,608	10,350,445	-	13,795,053
Other	532,430	1,609,930	-	2,142,360
Total Assets in the Fair Value Hierarchy	470,266,166	328,286,097	-	798,552,263
Common collective trusts (a)				1,026,182,672
Total Master Trust Investment at Fair Value	\$ 470,266,166	\$ 328,286,097	\$ -	\$ 1,824,734,935

- (a) In accordance with Subtopic 820-10, certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Master Trust's statements of net assets.

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December 31, 2018 and 2017

Common collective trusts consist of pools of investments used by institutional investors to obtain equity and fixed income market exposures by investing in funds which are intended to mirror market indices. They are valued on the basis of the relative interest of each participating investor in the fair value of the underlying assets of each of the respective common collective trusts. The funds are valued using NAV as provided by the investment account manager as a practical expedient. As of December 31, 2018 and 2017, the Master Trust is not holding any unfunded commitments.

Common collective trusts included in the Master Trust are:

<u>December 31, 2018</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency</u>	<u>Redemption Notice Period</u>
Coltv Short Term Investment Fund	\$ 29,293,180	n/a	Daily	None
FEET Emerging Market Fund	\$ 47,174,580	n/a	Daily	15 Days
MFB NT Collective Russell 1000 Growth Index Fund Non-Lending	\$ 218,997,075	n/a	Daily	60 Days
Northern Trust Collective Short Term Government Bond Index Fund Non-Lending	\$ 164,864,240	n/a	Daily	60 Days
MFB NT Collective Long Term Credit Bond Index Fund Non-Lending	\$ 296,259,802	n/a	Daily	60 Days
MFB NTGI-QM Coltv Daily 1-5 Yr Cr Bd Index Fund Non-Lending	\$ 153,606,907	n/a	Daily	60 Days
MFB NT Collective EAFE Index Fund Non-Lending	\$ 22,446,157	n/a	Daily	60 Days
NT Collective Developed International Small Cap Index Fund Non-Lending	\$ 29,178,110	n/a	Daily	60 Days
Total	\$ 961,820,051			

<u>December 31, 2017</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency</u>	<u>Redemption Notice Period</u>
Coltv Short Term Investment Fund	\$ 33,433,424	n/a	Daily	None
FEET Emerging Market Fund	\$ 53,464,438	n/a	Daily	15 Days
MFB NT Collective Russell 1000 Growth Index Fund Non-Lending	\$ 246,097,000	n/a	Daily	60 Days
Northern Trust Collective Short Term Government Bond Index Fund Non-Lending	\$ 162,423,876	n/a	Daily	60 Days
MFB NT Collective Long Term Credit Bond Index Fund Non-Lending	\$ 317,402,969	n/a	Daily	60 Days
MFB NTGI-QM Coltv Daily 1-5 Yr Cr Bd Index Fund Non-Lending	\$ 152,037,488	n/a	Daily	60 Days
MFB NT Collective EAFE Index Fund Non-Lending	\$ 25,877,983	n/a	Daily	60 Days
NT Collective Developed International Small Cap Index Fund Non-Lending	\$ 35,445,494	n/a	Daily	60 Days
Total	\$ 1,026,182,672			

7. Risks and Uncertainties

The Master Trust invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the statement of net assets available for benefits.

Plan contributions are made and the actuarial present value of accumulated plan benefits is reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Bosch Pension Plan

Notes to Financial Statements

December 31, 2018 and 2017

8. Tax Status

The Internal Revenue Service ("IRS") has determined and informed the Company in a letter dated March 11, 2014, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (the "Code"). Although the Plan has been amended since receiving the determination letter, the plan administrator and the Plan's ERISA counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the Code and therefore believe that the Plan is qualified and the related trust is tax-exempt.

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax asset or liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2018 and 2017, there are no uncertain positions taken or expected to be taken that would require recognition of an asset or liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The plan administrator believes the Plan is no longer subject to income tax examinations for years beginning prior to January 1, 2015.

9. Party-in-Interest Transactions

The Master Trust invests in a corporate bond issued by and common collective trusts managed by the Trustee or its affiliates. These transactions qualify as exempt party-in-interest transactions. Fees paid to the Trustee by the Master Trust for 2018 and 2017 were \$1,460,115 and \$1,359,327, respectively.

10. Subsequent Events

The Plan has evaluated the events and transactions that have occurred through October 15, 2019, the date the financial statements were available to be issued, and noted no items requiring adjustment to the financial statements or additional disclosure.

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
 EIN: 36-2903176 PN: 001

Schedule SB, line 26—Schedule of Active Participant Data as of January 1, 2018

Number of Participants, Average Compensation and Average Cash Balance Account

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29			43 \$73,690 \$492	5						
30-34			134 \$91,891 \$2,036	111 \$81,225 \$5,757	4					
35-39			107 \$88,567 \$2,754	257 \$103,470 \$9,900	127 \$91,949 \$11,786	11				
40-44			94 \$101,864 \$4,338	244 \$99,304 \$13,077	293 \$105,624 \$16,682	133 \$94,224 \$15,972	3			
45-49			101 \$95,524 \$4,729	225 \$99,793 \$17,145	318 \$114,113 \$21,953	301 \$109,394 \$22,900	106 \$91,423 \$20,457	11		
50-54			82 \$98,589 \$5,343	214 \$92,379 \$18,206	295 \$115,131 \$31,086	290 \$117,732 \$34,335	208 \$107,934 \$41,984	128 \$89,740 \$42,136	20 \$90,721 \$49,008	
55-59			76 \$93,394 \$7,014	180 \$82,595 \$19,582	191 \$94,941 \$33,240	181 \$102,261 \$51,203	187 \$97,778 \$58,923	233 \$99,587 \$69,527	82 \$81,257 \$63,077	20 \$90,627 \$75,718
60-64			45 \$91,581 \$8,755	129 \$71,260 \$18,038	114 \$86,661 \$36,476	136 \$98,525 \$61,136	82 \$97,106 \$70,133	131 \$99,409 \$85,807	80 \$101,689 \$95,788	62 \$93,365 \$92,923
65-69			8 \$70,166 \$19,985	34 \$88,079 \$42,308	27 \$86,513 \$66,381	27 \$86,513 \$66,381	18	18	13	14
70+			1	5	7	1	1	4	1	5

N-5,978

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
 EIN: 36-2903176 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2017), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor
1st Segment Rate	3.92%
2nd Segment Rate	5.52%
3rd Segment Rate	6.29%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2017), without regard to interest rate stabilization
1st Segment Rate	1.75%
2nd Segment Rate	3.76%
3rd Segment Rate	4.66%
Salary Increases	
Minimum Funding Target Normal Cost	N/A
Maximum Tax Expected Benefit Increase	N/A
Cash Balance Interest Crediting Rate	3.99%
Cash Balance Annuity Conversion Rate	7.00%
Optional Payment Form Election Percentage	50% life annuity 50% joint and 100% life annuity
Optional Payment Form Conversion Interest Rate	6.00%
Optional Payment Form Conversion Mortality	Current 417(e) table
Retirement Age	
Active Participants	See Table 1
Terminated Vested Participants	Cash Balance, RBC and Rexroth: Age 61 SB and VA: Age 65
Mortality Rates	
Healthy and Disabled	2018 static mortality table for annuitants and non- annuitants per §1.430(h)(3)-1(e) (without deferral of the adoption of the mortality update).
Withdrawal Rates	See Table 2
Disability Rates	See Table 3

Schedule SB Attachment (Form 5500)—2018 Plan Year

Bosch Pension Plan

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Decrement Timing	Middle of year decrements (except that retirement is assumed to occur at the beginning of the year for ages where the assumed retirement rate is 100%)
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are two years older than their spouses.
Valuation Compensation	2017 Pensionable earnings rolled forward one year with the salary increase assumption
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of \$220,000 and the IRC section 401(a)(17) compensation limit of \$275,000.
Valuation of Plan Assets	<p>Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.</p> <p>A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).</p>
Expected Return on Assets	
2016 Plan Year	5.00%
2017 Plan Year	5.00%
2018 Plan Year	5.00%
Trust Expenses Included in Target Normal Cost	Actual trust expenses limited to 5% of Fair Value of Assets. The prior year's actual administrative expenses, adjusted for anticipated significant changes are used as a proxy for actual current year's expenses.
Actuarial Method	Standard unit credit cost method
Valuation Date	January 1, 2018

Schedule SB Attachment (Form 5500)—2018 Plan Year
Bosch Pension Plan
EIN: 36-2903176 PN: 001

Table 1

Retirement Rates

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	7.50%
60	7.50%
61	12.50%
62	17.50%
63	10.00%
64	25.00%
65	30.00%
66	30.00%
67	30.00%
68	35.00%
69	35.00%
70+	100.00%

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
 EIN: 36-2903176 PN: 001

Table 2—Page 1 of 2

Withdrawal Rates

Age	Years of Service		
	0-2	3-4	5+
15	29.00%	19.60%	19.60%
16	29.00%	19.60%	19.60%
17	29.00%	19.60%	19.60%
18	29.00%	19.60%	19.60%
19	29.00%	19.60%	19.60%
20	29.00%	19.60%	16.60%
21	27.00%	18.80%	15.80%
22	25.00%	18.00%	15.00%
23	23.00%	17.20%	13.80%
24	21.00%	16.40%	12.60%
25	19.00%	15.60%	11.40%
26	17.00%	14.80%	10.20%
27	15.00%	14.00%	9.00%
28	14.80%	13.80%	8.80%
29	14.60%	13.60%	8.60%
30	14.40%	13.40%	8.40%
31	14.20%	13.20%	8.20%
32	14.00%	13.00%	8.00%
33	13.80%	12.80%	7.80%
34	13.60%	12.60%	7.60%
35	13.40%	12.40%	7.00%
36	13.20%	12.20%	6.75%
37	13.00%	12.00%	6.50%
38	12.80%	11.60%	6.25%
39	12.60%	11.20%	6.00%
40	12.40%	10.80%	5.75%
41	12.20%	10.40%	5.50%
42	12.00%	10.00%	5.25%
43	11.80%	9.60%	5.00%
44	11.60%	9.20%	4.75%

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
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Table 2—Page 2 of 2

Withdrawal Rates

Age	Years of Service		
	0-2	3-4	5+
45	11.40%	8.80%	4.50%
46	11.20%	8.40%	4.25%
47	11.00%	8.00%	4.00%
48	10.80%	7.60%	4.00%
49	10.60%	7.20%	4.00%
50	10.40%	6.80%	4.00%
51	10.20%	6.40%	4.00%
52	10.00%	6.00%	4.00%
53	9.80%	5.60%	4.00%
54	9.60%	5.20%	4.00%
55	9.40%	4.80%	4.00%
56	0.00%	0.00%	0.00%
57	0.00%	0.00%	0.00%
58	0.00%	0.00%	0.00%
59	0.00%	0.00%	0.00%
60+	0.00%	0.00%	0.00%

Schedule SB Attachment (Form 5500)—2018 Plan Year
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Table 3

Disability Rates

Age	Male	Female	Age	Male	Female
15	0.03%	0.03%	40	0.08%	0.13%
16	0.03%	0.03%	41	0.09%	0.15%
17	0.03%	0.03%	42	0.10%	0.17%
18	0.03%	0.03%	43	0.12%	0.19%
19	0.03%	0.03%	44	0.14%	0.22%
20	0.03%	0.03%	45	0.16%	0.24%
21	0.03%	0.03%	46	0.18%	0.27%
22	0.03%	0.03%	47	0.21%	0.30%
23	0.03%	0.03%	48	0.25%	0.33%
24	0.03%	0.03%	49	0.28%	0.36%
25	0.03%	0.03%	50	0.33%	0.40%
26	0.03%	0.03%	51	0.39%	0.44%
27	0.03%	0.03%	52	0.46%	0.49%
28	0.03%	0.04%	53	0.53%	0.54%
29	0.03%	0.04%	54	0.61%	0.59%
30	0.03%	0.04%	55	0.69%	0.64%
31	0.03%	0.05%	56	0.77%	0.69%
32	0.03%	0.05%	57	0.86%	0.74%
33	0.03%	0.06%	58	0.95%	0.80%
34	0.03%	0.06%	59	1.05%	0.85%
35	0.04%	0.07%	60	1.15%	0.90%
36	0.04%	0.08%	61	1.26%	0.96%
37	0.05%	0.09%	62	1.38%	1.01%
38	0.06%	0.10%	63	1.51%	1.05%
39	0.07%	0.12%	64	1.64%	1.09%
			65+	0.00%	0.00%

Multiple-Employer Plan Participating Em

filing as shown below.

Name of Participating Employer	EIN
Associated Fuel Pump Systems Corporation	57-0901745
FHP Manufacturing Company	58-2483956
Robert Bosch LLC	36-2903173

Note: No contributions were made for the 2018 plan year.

Employer Information

Percent of Total Contribution	
	0
	0
	0

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ Round off amounts to nearest dollar.

▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan BOSCH PENSION PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF ROBERT BOSCH LLC	D Employer Identification Number (EIN) 36-2903176	
E Type of plan: ☐ Single ☐ Multiple-A ☒ Multiple-B		
F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I Basic Information			
1	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>		
2	Assets:		
	a Market value	2a	1,514,134,469
	b Actuarial value	2b	1,431,705,887
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	6,479	622,053,494
	b For terminated vested participants	3,931	172,507,615
	c For active participants	5,978	360,698,411
	d Total	16,388	1,155,259,520
4	If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐		
	a Funding target disregarding prescribed at-risk assumptions	4a	
	b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b	
5	Effective interest rate	5	5.76%
6	Target normal cost	6	2,237,647

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	KAREN A. HIRSCHHORN <i>KRH</i> Signature of actuary KAREN A. HIRSCHHORN Type or print name of actuary AON CONSULTING, INC. Firm name 4 OVERLOOK POINT LINCOLNSHIRE IL 60069-4302 Address of the firm	09/09/2019 Date 1704099 Most recent enrollment number 847-295-5000 Telephone number (including area code)
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If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2018
v. 171027

Part II		Beginning of Year Carryover and Prefunding Balances	
		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	120,534,482
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year).....	0	0
9	Amount remaining (line 7 minus line 8).....	0	120,534,482
10	Interest on line 9 using prior year's actual return of <u>13.59%</u>	0	16,380,636
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year).....		50,960,736
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.95%</u>		3,032,164
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return.....		0
	c Total available at beginning of current plan year to add to prefunding balance.....		53,992,900
	d Portion of (c) to be added to prefunding balance.....		0
12	Other reductions in balances due to elections or deemed elections.....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12).....	0	136,915,118

Part III		Funding Percentages	
14	Funding target attainment percentage.....	14	111.95%
15	Adjusted funding target attainment percentage.....	15	123.78%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	16	113.06%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.....	17	%

Part IV		Contributions and Liquidity Shortfalls			
18. Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ▶			18(b)	0	18(c)
				0	0

19. Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:			
a Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0	
b Contributions made to avoid restrictions adjusted to valuation date.....	19b	0	
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	0	
20. Quarterly contributions and liquidity shortfalls:			
a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No			
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No			
c If line 20a is "Yes," see instructions and complete the following table as applicable:			
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost**21** Discount rate:**a** Segment rates:1st segment:
3.92%2nd segment:
5.52%3rd segment:
6.29%☐ N/A, full yield curve used**b** Applicable month (enter code):**21b**

4

22 Weighted average retirement age:**22**

63

23 Mortality table(s) (see instructions)

Prior regulation:

☐

Prescribed - combined

☐

Prescribed - separate

☐

Substitute

Current regulation:

☐

Prescribed - combined

☒

Prescribed - separate

☐

Substitute

Part VI Miscellaneous Items**24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.☒

Yes

☐

No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.☐

Yes

☒

No

26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.☒

Yes

☐

No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.**27****Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years****28** Unpaid minimum required contributions for all prior years**28**

0

29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)**29**

0

30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)**30**

0

Part VIII Minimum Required Contribution For Current Year**31** Target normal cost and excess assets (see instructions):**a** Target normal cost (line 6)**31a**

2,237,647

b Excess assets, if applicable, but not greater than line 31a**31b**

2,237,647

32 Amortization installments:

Outstanding Balance

Installment

a Net shortfall amortization installment

0

0

b Waiver amortization installment

0

0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount**33****34** Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)**34**

0

Carryover balance

Prefunding balance

Total balance

35 Balances elected for use to offset funding requirement

0

0

0

36 Additional cash requirement (line 34 minus line 35)**36**

0

37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)**37**

0

38 Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36)**38a**

0

b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances**38b**

0

39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)**39**

0

40 Unpaid minimum required contributions for all years**40**

0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)**41** If an election was made to use PRA 2010 funding relief for this plan:**a** Schedule elected☐

2 plus 7 years

☐

15 years

b Eligible plan year(s) for which the election in line 41a was made☐

2008

☐

2009

☐

2010

☐

2011

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
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Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at mid-year, except for the 100% retirement age.

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	5.00%	1.0000	2.78
56.5	5.00%	0.9500	2.68
57.5	5.00%	0.9025	2.59
58.5	5.00%	0.8574	2.51
59.5	7.50%	0.8145	3.63
60.5	7.50%	0.7534	3.42
61.5	12.50%	0.6969	5.36
62.5	17.50%	0.6098	6.67
63.5	10.00%	0.5031	3.19
64.5	25.00%	0.4528	7.30
65.5	30.00%	0.3396	6.67
66.5	30.00%	0.2377	4.74
67.5	30.00%	0.1664	3.37
68.5	35.00%	0.1165	2.79
69.5	35.00%	0.0757	1.84
70	100.00%	0.0492	3.44
Weighted Average			62.98

Schedule SB Attachment (Form 5500)—2018 Plan Year
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Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2017), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor
1st Segment Rate	3.92%
2nd Segment Rate	5.52%
3rd Segment Rate	6.29%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2017), without regard to interest rate stabilization
1st Segment Rate	1.75%
2nd Segment Rate	3.76%
3rd Segment Rate	4.66%
Salary Increases	
Minimum Funding Target Normal Cost	N/A
Maximum Tax Expected Benefit Increase	N/A
Cash Balance Interest Crediting Rate	3.99%
Cash Balance Annuity Conversion Rate	7.00%
Optional Payment Form Election Percentage	50% life annuity 50% joint and 100% life annuity
Optional Payment Form Conversion Interest Rate	6.00%
Optional Payment Form Conversion Mortality	Current 417(e) table
Retirement Age	
Active Participants	See Table 1
Terminated Vested Participants	Cash Balance, RBC and Rexroth: Age 61 SB and VA: Age 65
Mortality Rates	
Healthy and Disabled	2018 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e) (without deferral of the adoption of the mortality update).
Withdrawal Rates	See Table 2
Disability Rates	See Table 3

Schedule SB Attachment (Form 5500)—2018 Plan Year

Bosch Pension Plan

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Decrement Timing	Middle of year decrements (except that retirement is assumed to occur at the beginning of the year for ages where the assumed retirement rate is 100%)
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are two years older than their spouses.
Valuation Compensation	2017 Pensionable earnings rolled forward one year with the salary increase assumption
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of \$220,000 and the IRC section 401(a)(17) compensation limit of \$275,000.
Valuation of Plan Assets	<p>Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.</p> <p>A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).</p>
Expected Return on Assets	
2016 Plan Year	5.00%
2017 Plan Year	5.00%
2018 Plan Year	5.00%
Trust Expenses Included in Target Normal Cost	Actual trust expenses limited to 5% of Fair Value of Assets. The prior year's actual administrative expenses, adjusted for anticipated significant changes are used as a proxy for actual current year's expenses.
Actuarial Method	Standard unit credit cost method
Valuation Date	January 1, 2018

Schedule SB Attachment (Form 5500)—2018 Plan Year
Bosch Pension Plan
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Table 1

Retirement Rates

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	7.50%
60	7.50%
61	12.50%
62	17.50%
63	10.00%
64	25.00%
65	30.00%
66	30.00%
67	30.00%
68	35.00%
69	35.00%
70+	100.00%

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
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Table 2—Page 1 of 2

Withdrawal Rates

Age	Years of Service		
	0-2	3-4	5+
15	29.00%	19.60%	19.60%
16	29.00%	19.60%	19.60%
17	29.00%	19.60%	19.60%
18	29.00%	19.60%	19.60%
19	29.00%	19.60%	19.60%
20	29.00%	19.60%	16.60%
21	27.00%	18.80%	15.80%
22	25.00%	18.00%	15.00%
23	23.00%	17.20%	13.80%
24	21.00%	16.40%	12.60%
25	19.00%	15.60%	11.40%
26	17.00%	14.80%	10.20%
27	15.00%	14.00%	9.00%
28	14.80%	13.80%	8.80%
29	14.60%	13.60%	8.60%
30	14.40%	13.40%	8.40%
31	14.20%	13.20%	8.20%
32	14.00%	13.00%	8.00%
33	13.80%	12.80%	7.80%
34	13.60%	12.60%	7.60%
35	13.40%	12.40%	7.00%
36	13.20%	12.20%	6.75%
37	13.00%	12.00%	6.50%
38	12.80%	11.60%	6.25%
39	12.60%	11.20%	6.00%
40	12.40%	10.80%	5.75%
41	12.20%	10.40%	5.50%
42	12.00%	10.00%	5.25%
43	11.80%	9.60%	5.00%
44	11.60%	9.20%	4.75%

Schedule SB Attachment (Form 5500)—2018 Plan Year
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Table 2—Page 2 of 2

Withdrawal Rates

Age	Years of Service		
	0-2	3-4	5+
45	11.40%	8.80%	4.50%
46	11.20%	8.40%	4.25%
47	11.00%	8.00%	4.00%
48	10.80%	7.60%	4.00%
49	10.60%	7.20%	4.00%
50	10.40%	6.80%	4.00%
51	10.20%	6.40%	4.00%
52	10.00%	6.00%	4.00%
53	9.80%	5.60%	4.00%
54	9.60%	5.20%	4.00%
55	9.40%	4.80%	4.00%
56	0.00%	0.00%	0.00%
57	0.00%	0.00%	0.00%
58	0.00%	0.00%	0.00%
59	0.00%	0.00%	0.00%
60+	0.00%	0.00%	0.00%

Schedule SB Attachment (Form 5500)—2018 Plan Year
 Bosch Pension Plan
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Table 3

Disability Rates

Age	Male	Female	Age	Male	Female
15	0.03%	0.03%	40	0.08%	0.13%
16	0.03%	0.03%	41	0.09%	0.15%
17	0.03%	0.03%	42	0.10%	0.17%
18	0.03%	0.03%	43	0.12%	0.19%
19	0.03%	0.03%	44	0.14%	0.22%
20	0.03%	0.03%	45	0.16%	0.24%
21	0.03%	0.03%	46	0.18%	0.27%
22	0.03%	0.03%	47	0.21%	0.30%
23	0.03%	0.03%	48	0.25%	0.33%
24	0.03%	0.03%	49	0.28%	0.36%
25	0.03%	0.03%	50	0.33%	0.40%
26	0.03%	0.03%	51	0.39%	0.44%
27	0.03%	0.03%	52	0.46%	0.49%
28	0.03%	0.04%	53	0.53%	0.54%
29	0.03%	0.04%	54	0.61%	0.59%
30	0.03%	0.04%	55	0.69%	0.64%
31	0.03%	0.05%	56	0.77%	0.69%
32	0.03%	0.05%	57	0.86%	0.74%
33	0.03%	0.06%	58	0.95%	0.80%
34	0.03%	0.06%	59	1.05%	0.85%
35	0.04%	0.07%	60	1.15%	0.90%
36	0.04%	0.08%	61	1.26%	0.96%
37	0.05%	0.09%	62	1.38%	1.01%
38	0.06%	0.10%	63	1.51%	1.05%
39	0.07%	0.12%	64	1.64%	1.09%
			65+	0.00%	0.00%

Schedule SB Attachment (Form 5500)—2018 Plan Year
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Schedule SB, Part V—Summary of Plan Provisions

Effective Date	January 1, 2005. Restated effective January 1, 2016. The last amendment dated October 1, 2016.
Eligibility for Participation	All non-union participants in the RBC Plan, Skil-Bosch, or Vermont American Plan and a group of former Chicago union participants become participants immediately at December 31, 2004. Full-time employees who were not participants on December 31, 2004, become participants on their date of hire. Part-time employees become participants on first day of the month following completion of 1,000 hours in one year. Effective July 1, 2011, the plan was frozen to new participants.
Pensionable Earnings	<p>Base salary or wages, overtime, shift differential, commissions and regular annual management bonuses, plus Section 125, 401(k) deferrals and non-qualified deferred compensation.</p> <p>Effective January 1, 2010, pensionable earnings will exclude any pay received after the later of (i) the end of the calendar year during which employment terminates, or (ii) two and one-half months after employment terminates.</p> <p>Effective April 3, 2012, additional bonuses (excluding gain sharing, goal sharing, signing, project and retention bonuses) are included.</p> <p>Effective February 1, 2016, for purposes of determining pensionable earnings, an employee who transfers to employment with BMSN will be treated as having a termination of employment.</p>
Pension Credits	The sum of interest credits, pay credits and transition credits.
Interest Credits	Interest credits are determined by multiplying the account balance at the beginning of the year by the 30-year Treasury rate for November of the prior year. The rate shall not be less than 3.00%.

Schedule SB Attachment (Form 5500)—2018 Plan Year

Bosch Pension Plan

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Pay Credits

Pay credits are credited to the account on the last day of the plan year. They are determined by multiplying the participant's pensionable earnings for the year by a percentage based on the participant's age in completed year as of December 31 of the current year. The percentages are as follows:

Age	Pay Credit Percentage
0–24	2.00%
25–29	2.50%
30–34	3.00%
35–39	3.50%
40–44	4.00%
45–49	4.50%
50–54	5.00%
55–59	5.50%
60–64	6.00%
65+	6.50%

Effective July 1, 2011, base pay credits were frozen. The pay considered for benefits in 2011 was limited by the plan to \$122,500.

Transition Credits

Prior plan participants from the RBC or Rexroth Salaried Plan are eligible for transition credits if they had attained age 40 and five years of vesting service as of December 31, 2004.

Prior plan participants from the Skil–Bosch Plan are eligible for transition credits if they had attained age 40 and 10 years of vesting service as of December 31, 2004.

Prior Vermont American participants are not eligible for transition credits.

Transition credits are determined in the same manner as pay credits using the following percentages:

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RBC/Rexroth Transition Credits

Attained Age + Vesting Service at December 31, 2004	Transition Credits in		
	2005	2006	2007–2016
45–49	0.50%	0.75%	1.25%
50–54	1.00%	1.50%	2.25%
55–59	1.50%	2.25%	3.25%
60–64	2.00%	3.00%	4.25%
65–69	2.50%	4.25%	5.25%
70–74	3.00%	4.75%	6.25%
75–79	3.50%	5.50%	7.25%
80–84	4.00%	6.00%	8.25%
85–89	4.50%	7.00%	9.25%
90–94	5.00%	7.50%	10.25%
95+	5.50%	8.50%	11.25%

Skil–Bosch Transition Credits

Attained Age + Vesting Service at December 31, 2004	Transition Credits in	
	2005–2016	
0–49	0.00%	
50–54	2.00%	
55–59	2.00%	
60–64	2.00%	
65–69	3.00%	
70–74	3.00%	
75–79	3.00%	
80–84	3.00%	
85–89	4.00%	
90–94	4.00%	
95+	4.00%	

As of January 1, 2017, all benefit accruals ceased.

Normal Retirement
 Eligibility

Age 62.

Benefit

A monthly amount equal to (1) plus (2):

- (1) The accrued prior plan monthly benefit frozen as of December 31, 2004.
- (2) The pension credits as described above, converted to a single life annuity using the applicable mortality table under IRS 417(e) and an interest rate of 7.00%.

Schedule SB Attachment (Form 5500)—2018 Plan Year

Bosch Pension Plan

EIN: 36-2903176 PN: 001

Early Retirement

Eligibility

Age 55.

Benefit

A monthly benefit equal to the sum of (1) plus (2):

- (1) The accrued prior plan monthly benefit frozen as of December 31, 2004 adjusted for early retirement using the prior plan's early retirement factors.
- (2) The pensions credits projected to the normal retirement age of 62, divided by the age 62 annuity factor and then reduced by 5% for each year the early retirement precedes age 62.

Vested Termination

Eligibility

Three years of vesting service or age 55.

Benefit

The same benefit amount as for normal retirement, assumed to commence at age 62.

Surviving Spouse

Eligibility

Three years of vesting service or age 55.

Benefit

A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 100% of the amount payable if the participant had retired early with a 100% joint and survivor benefit.

Normal Form of Benefit

For a single participant, pension credits are converted into a single life annuity payable monthly. For a married participant, pension credits are converted into an actuarial equivalent 100% joint and survivor annuity.

Participants who commence benefits between July 1, 2011 and July 1, 2012 had the option of rolling over their balances from the Robert Bosch Defined Contribution Plan into the Bosch Pension Plan (no later than October 31, 2012). The balances will be converted to an annuity and added to the pension plan benefit.

Participants who terminated employment prior to January 1, 2013 with a deferred vested benefit were offered a one-time lump sum during 2013. Forms of payment were lump sum or immediate annuity.

Participants who terminated employment prior to January 1, 2016 but were not eligible for the previous lump sum window which took place in 2013, with a deferred vested benefit were offered a one-time lump sum during 2016. Forms of payment were lump sum or immediate annuity.

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Optional Forms of Annuity

Ten year certain and life annuity, a 50% joint and survivor annuity and a level income option is available on all payment forms. If the monthly benefit is less than \$100, a lump sum can be elected. In addition, some participants have protected optional forms on the frozen benefits from predecessor plans.

Actuarial Equivalence

417(e)(3) applicable mortality and 6% interest rate.

Plan Changes Since the Prior Year

The funding valuation does not reflect any plan changes.

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

Schedule SB Attachment (Form 5500)—2018 Plan Year
Bosch Pension Plan
EIN: 36-2903176 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following assumption changes:

- A change in the cash balance interest crediting rate from 3.82% to 3.99%.
- A change in the retirement rates to better reflect plan experience.
- A change in the termination rates to better reflect plan experience.
- A change in the spouse age difference from males being three years older than females to males being two years older than females.

These changes were made to better reflect the anticipated plan experience. None of these assumption changes reduced the funding shortfall; as such, approval of the Commissioner is not required.

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Schedule SB, line 26—Schedule of Active Participant Data as of January 1, 2018

Number of Participants, Average Compensation and Average Cash Balance Account

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29			43 \$73,690 \$492	5						
30-34			134 \$91,891 \$2,036	111 \$81,225 \$5,757	4					
35-39			107 \$88,567 \$2,754	257 \$103,470 \$9,900	127 \$91,949 \$11,786	11				
40-44			94 \$101,864 \$4,338	244 \$99,304 \$13,077	293 \$105,624 \$16,682	133 \$94,224 \$15,972	3			
45-49			101 \$95,524 \$4,729	225 \$99,793 \$17,145	318 \$114,113 \$21,953	301 \$109,394 \$22,900	106 \$91,423 \$20,457	11		
50-54			82 \$98,589 \$5,343	214 \$92,379 \$18,206	295 \$115,131 \$31,086	290 \$117,732 \$34,335	208 \$107,934 \$41,984	128 \$89,740 \$42,136	20 \$90,721 \$49,008	
55-59			76 \$93,394 \$7,014	180 \$82,595 \$19,582	191 \$94,941 \$33,240	181 \$102,261 \$51,203	187 \$97,778 \$58,923	233 \$99,587 \$69,527	82 \$81,257 \$63,077	20 \$90,627 \$75,718
60-64			45 \$91,581 \$8,755	129 \$71,260 \$18,038	114 \$86,661 \$36,476	136 \$98,525 \$61,136	82 \$97,106 \$70,133	131 \$99,409 \$85,807	80 \$101,689 \$95,788	62 \$93,365 \$92,923
65-69			8 \$70,166 \$19,985	34 \$88,079 \$42,308	27 \$86,513 \$66,381	27 \$86,513 \$66,381	18	18	13	14
70+			1	5	7	1	1	4	1	5

N-5,978

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Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at mid-year, except for the 100% retirement age.

(a)	(b)	(c)	(d)
Age	Rate	Weight	Product (a) × (b) × (c)
55.5	5.00%	1.0000	2.78
56.5	5.00%	0.9500	2.68
57.5	5.00%	0.9025	2.59
58.5	5.00%	0.8574	2.51
59.5	7.50%	0.8145	3.63
60.5	7.50%	0.7534	3.42
61.5	12.50%	0.6969	5.36
62.5	17.50%	0.6098	6.67
63.5	10.00%	0.5031	3.19
64.5	25.00%	0.4528	7.30
65.5	30.00%	0.3396	6.67
66.5	30.00%	0.2377	4.74
67.5	30.00%	0.1664	3.37
68.5	35.00%	0.1165	2.79
69.5	35.00%	0.0757	1.84
70	100.00%	0.0492	3.44
Weighted Average			62.98

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Schedule SB, Part V—Summary of Plan Provisions

Effective Date	January 1, 2005. Restated effective January 1, 2016. The last amendment dated October 1, 2016.
Eligibility for Participation	All non-union participants in the RBC Plan, Skil-Bosch, or Vermont American Plan and a group of former Chicago union participants become participants immediately at December 31, 2004. Full-time employees who were not participants on December 31, 2004, become participants on their date of hire. Part-time employees become participants on first day of the month following completion of 1,000 hours in one year. Effective July 1, 2011, the plan was frozen to new participants.
Pensionable Earnings	<p>Base salary or wages, overtime, shift differential, commissions and regular annual management bonuses, plus Section 125, 401(k) deferrals and non-qualified deferred compensation.</p> <p>Effective January 1, 2010, pensionable earnings will exclude any pay received after the later of (i) the end of the calendar year during which employment terminates, or (ii) two and one-half months after employment terminates.</p> <p>Effective April 3, 2012, additional bonuses (excluding gain sharing, goal sharing, signing, project and retention bonuses) are included.</p> <p>Effective February 1, 2016, for purposes of determining pensionable earnings, an employee who transfers to employment with BMSN will be treated as having a termination of employment.</p>
Pension Credits	The sum of interest credits, pay credits and transition credits.
Interest Credits	Interest credits are determined by multiplying the account balance at the beginning of the year by the 30-year Treasury rate for November of the prior year. The rate shall not be less than 3.00%.

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Pay Credits

Pay credits are credited to the account on the last day of the plan year. They are determined by multiplying the participant's pensionable earnings for the year by a percentage based on the participant's age in completed year as of December 31 of the current year. The percentages are as follows:

Age	Pay Credit Percentage
0–24	2.00%
25–29	2.50%
30–34	3.00%
35–39	3.50%
40–44	4.00%
45–49	4.50%
50–54	5.00%
55–59	5.50%
60–64	6.00%
65+	6.50%

Effective July 1, 2011, base pay credits were frozen. The pay considered for benefits in 2011 was limited by the plan to \$122,500.

Transition Credits

Prior plan participants from the RBC or Rexroth Salaried Plan are eligible for transition credits if they had attained age 40 and five years of vesting service as of December 31, 2004.

Prior plan participants from the Skil–Bosch Plan are eligible for transition credits if they had attained age 40 and 10 years of vesting service as of December 31, 2004.

Prior Vermont American participants are not eligible for transition credits.

Transition credits are determined in the same manner as pay credits using the following percentages:

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RBC/Rexroth Transition Credits

Attained Age + Vesting Service at December 31, 2004	Transition Credits in		
	2005	2006	2007–2016
45–49	0.50%	0.75%	1.25%
50–54	1.00%	1.50%	2.25%
55–59	1.50%	2.25%	3.25%
60–64	2.00%	3.00%	4.25%
65–69	2.50%	4.25%	5.25%
70–74	3.00%	4.75%	6.25%
75–79	3.50%	5.50%	7.25%
80–84	4.00%	6.00%	8.25%
85–89	4.50%	7.00%	9.25%
90–94	5.00%	7.50%	10.25%
95+	5.50%	8.50%	11.25%

Skil–Bosch Transition Credits

Attained Age + Vesting Service at December 31, 2004	Transition Credits in	
	2005–2016	
0–49	0.00%	
50–54	2.00%	
55–59	2.00%	
60–64	2.00%	
65–69	3.00%	
70–74	3.00%	
75–79	3.00%	
80–84	3.00%	
85–89	4.00%	
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95+	4.00%	

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 Eligibility

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