

# **AEROJET ROCKETDYNE HOLDINGS, INC.**

Filed by  
**STEEL PARTNERS HOLDINGS L.P.**

## **FORM SC 13D/A** (Amended Statement of Beneficial Ownership)

Filed 12/26/17

Address	222 N. SEPULVEDA BLVD. SUITE 500 EL SEGUNDO, CA, 90245
Telephone	(310) 252-8100
CIK	0000040888
Symbol	AJRD
SIC Code	3760 - Guided Missiles And Space Vehicles And Parts
Industry	Aerospace & Defense
Sector	Industrials
Fiscal Year	12/31

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13D  
(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO  
§ 240.13d-2(a)

(Amendment No. 24)<sup>1</sup>

Aerojet Rocketdyne Holdings, Inc.  
(Name of Issuer)

Common Stock, par value \$0.10  
(Title of Class of Securities)

007800 10 5  
(CUSIP Number)

Warren G. Lichtenstein  
Steel Partners Holdings L.P.  
590 Madison Avenue, 32nd Floor  
New York, New York 10022  
(212) 520-2300  
(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

December 19, 2017  
(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box  .

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

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<sup>1</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

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

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1	NAME OF REPORTING PERSON STEEL PARTNERS HOLDINGS L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER - 0 -
	8	SHARED VOTING POWER 4,180,997
	9	SOLE DISPOSITIVE POWER - 0 -
	10	SHARED DISPOSITIVE POWER 4,180,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,180,997	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 5.6%	
14	TYPE OF REPORTING PERSON PN	

1	NAME OF REPORTING PERSON  SPH GROUP LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  - 0 -
	8	SHARED VOTING POWER  4,180,997
	9	SOLE DISPOSITIVE POWER  - 0 -
	10	SHARED DISPOSITIVE POWER  4,180,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,180,997	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  5.6%	
14	TYPE OF REPORTING PERSON  OO	

1	NAME OF REPORTING PERSON  SPH GROUP HOLDINGS LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  - 0 -
	8	SHARED VOTING POWER  4,180,997
	9	SOLE DISPOSITIVE POWER  - 0 -
	10	SHARED DISPOSITIVE POWER  4,180,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,180,997	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  5.6%	
14	TYPE OF REPORTING PERSON  OO	

1	NAME OF REPORTING PERSON  STEEL PARTNERS HOLDINGS GP INC.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  - 0 -
	8	SHARED VOTING POWER  4,180,997
	9	SOLE DISPOSITIVE POWER  - 0 -
	10	SHARED DISPOSITIVE POWER  4,180,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,180,997	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  5.6%	
14	TYPE OF REPORTING PERSON  CO	

1	NAME OF REPORTING PERSON  STEEL EXCEL, INC.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  OO	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  - 0 -
	8	SHARED VOTING POWER  4,180,997
	9	SOLE DISPOSITIVE POWER  - 0 -
	10	SHARED DISPOSITIVE POWER  4,180,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,180,997	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  5.6%	
14	TYPE OF REPORTING PERSON  CO	

1	NAME OF REPORTING PERSON  STEEL PARTNERS LTD.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  - 0 -
	8	SHARED VOTING POWER  60,546
	9	SOLE DISPOSITIVE POWER  - 0 -
	10	SHARED DISPOSITIVE POWER  60,546
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  60,546	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  LESS THAN 1%	
14	TYPE OF REPORTING PERSON  CO	



1	NAME OF REPORTING PERSON  WARREN G. LICHTENSTEIN	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS  OO, AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION  USA	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER  283,317
	8	SHARED VOTING POWER  60,546
	9	SOLE DISPOSITIVE POWER  283,317
	10	SHARED DISPOSITIVE POWER  60,546
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  343,863	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  LESS THAN 1%	
14	TYPE OF REPORTING PERSON  IN	

The following constitutes Amendment No. 24 to the Schedule 13D filed by the undersigned (“Amendment No. 24”). This Amendment No. 24 amends the Schedule 13D as specifically set forth herein.

Item 1. Security and Issuer.

Item 1 is hereby amended and restated to read as follows:

This statement relates to the common stock, \$0.10 par value per share (the “Shares”), of Aerojet Rocketdyne Holdings, Inc., a Delaware corporation (the “Issuer”). The address of the principal executive offices of the Issuer is 222 N. Sepulveda Blvd., Suite 500, El Segundo, California 90245.

Item 2. Identity and Background.

Item 2 is hereby amended and restated to read as follows:

(a) This statement is filed by Steel Partners Holdings L.P., a Delaware limited partnership (“Steel Holdings”), SPH Group LLC, a Delaware limited liability company (“SPHG”), SPH Group Holdings LLC, a Delaware limited liability company (“SPHG Holdings”), Steel Partners Holdings GP Inc., a Delaware corporation (“Steel Holdings GP”), Steel Excel, Inc., a Delaware corporation (“Steel Excel”), Steel Partners, Ltd., a Delaware corporation (“SPL”), and Warren G. Lichtenstein. Each of the foregoing is referred to as a “Reporting Person” and collectively as the “Reporting Persons.”

Steel Holdings owns 99% of the membership interests of SPHG. SPHG is the sole member of SPHG Holdings. Steel Holdings GP is the general partner of Steel Holdings, the managing member of SPHG and the manager of SPHG Holdings. SPHG Holdings owns 100% of the outstanding shares of common stock of Steel Excel. Accordingly, for purposes of this statement, each of Steel Holdings, SPHG, SPHG Holdings and Steel Holdings GP may be deemed to beneficially own the Shares owned directly by Steel Excel.

Warren G. Lichtenstein, Chairman of Steel Excel and Executive Chairman of Steel Holdings GP, is a director of the Issuer. Mr. Lichtenstein is also the Chief Executive Officer of SPL. Accordingly, for purposes of this statement, Mr. Lichtenstein may be deemed to beneficially own the Shares owned directly by SPL.

Each Reporting Person disclaims beneficial ownership of the Shares owned directly by another Reporting Person, except to the extent of his or its pecuniary interest therein.

Set forth on Schedule A annexed hereto (“Schedule A”) is the name and present principal business, occupation or employment and the name, principal business and address of any corporation or other organization in which such employment is conducted of (i) the executive officers and directors of Steel Holdings GP, (ii) the executive officers and directors of Steel Excel and (iii) the executive officers and directors of SPL. To the best of the Reporting Persons’ knowledge, except as otherwise set forth herein, none of the persons listed on Schedule A beneficially owns any securities of the Issuer or is a party to any contract, agreement or understanding required to be disclosed herein.

(b) The principal business address of the Reporting Persons is 590 Madison Avenue, 32nd Floor, New York, New York 10022.

(c) Steel Holdings is a global diversified holding company that engages or has interests in a variety of operating businesses through its subsidiary companies. Steel Holdings may seek to obtain majority or primary control, board representation or other significant influence over the businesses in which it holds an interest. The principal business of SPHG Holdings is holding securities for the account of Steel Holdings. The principal business of SPHG is serving as the sole member of SPHG Holdings and other affiliates. The principal business of Steel Holdings GP is serving as the general partner of Steel Holdings, the managing member of SPHG and the manager of SPHG Holdings. Steel Excel provides drilling and production services to the oil and gas industry and owns a youth sports business. SPL is a holding company. The principal occupation of Warren G. Lichtenstein is serving as Executive Chairman of Steel Holdings GP.

(d) No Reporting Person nor any person listed on Schedule A has, during the last five years, been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).

(e) No Reporting Person nor any person listed on Schedule A has, during the last five years, been party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

(f) Each of the individuals who are Reporting Persons or listed on Schedule A is a citizen of the United States of America. Each of the entities who are Reporting Persons are organized under the laws of the State of Delaware.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended and restated to read as follows:

The aggregate purchase price of the 4,180,997 Shares owned directly by Steel Excel is approximately \$47,519,535, including brokerage commissions. The Shares owned directly by Steel Excel were acquired with funds of an entity affiliated with SPHG Holdings that initially purchased the Shares prior to being contributed to SPHG Holdings and subsequently contributed to Steel Excel.

The aggregate purchase price of the 60,546 Shares owned directly by SPL is approximately \$1,081,073, including brokerage commissions. The Shares owned directly by SPL were acquired with the working capital of SPL.

Warren G. Lichtenstein owns directly 39,771 Shares and currently exercisable stock options to purchase 243,546 Shares, all of which were awarded to him in his capacity as a director of the Issuer.

Steel Excel and SPL effect purchases of securities primarily through margin accounts maintained for them with prime brokers, which may extend margin credit to them as and when required to open or carry positions in the margin accounts, subject to applicable federal margin regulations, stock exchange rules and the prime brokers' credit policies. In such instances, the positions held in the margin accounts are pledged as collateral security for the repayment of debit balances in the accounts.

Item 5. Interest in Securities of the Issuer.

Item 5(a) is hereby amended and restated to read as follows:

(a) The aggregate percentage of Shares reported owned by each person named herein is based upon 75.1 million Shares outstanding, which is the total number of Shares outstanding as of October 26, 2017 as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 2, 2017.

As of the close of business on the date hereof, Steel Excel owned directly 4,180,997 Shares, constituting approximately 5.6% of the Shares outstanding. By virtue of their relationships with Steel Excel, each of Steel Holdings, SPHG, SPHG Holdings and Steel Holdings GP may be deemed to beneficially own the Shares owned directly by Steel Excel.

As of the close of business on the date hereof, SPL owned directly 60,546 Shares, constituting less than 1% of the Shares outstanding. By virtue of his relationship with SPL discussed in further detail in Item 2, Warren G. Lichtenstein may be deemed to beneficially own the Shares owned directly by SPL.

As of the close of business on the date hereof, Warren G. Lichtenstein directly owned 39,771 Shares and may be deemed to beneficially own an additional 243,546 Shares underlying currently exercisable stock options, which, together with the 60,546 Shares owned directly by SPL that Mr. Lichtenstein may also be deemed to beneficially own, constitutes less than 1% of the Shares outstanding. An additional 465,931 Shares are held by a “rabbi trust,” the receipt of which has been deferred by Mr. Lichtenstein pursuant to the Issuer’s Deferred Compensation Plan for Nonemployee Directors. Such 465,931 Shares are not deemed to be beneficially owned by Mr. Lichtenstein.

Item 5(b) is hereby amended and restated to read as follows:

(b) Each of Steel Excel, SPHG Holdings, SPHG, Steel Holdings and Steel Holdings GP is deemed to have shared power to vote and dispose of the Shares owned directly by Steel Excel. Each of SPL and Mr. Lichtenstein is deemed to have shared power to vote and dispose of the Shares owned directly by SPL. Mr. Lichtenstein has the sole power to vote and dispose all Shares he directly owns.

Item 5(c) is hereby amended to add the following:

(c) Effective December 19, 2017, SPHG Holdings contributed its ownership of 4,180,997 Shares to Steel Excel in exchange for newly issued shares of common stock of Steel Excel. On November 8, 2017 and November 30, 2017, Mr. Lichtenstein gifted 3,312 Shares and 4,064 Shares, respectively. There have been no other transactions by the Reporting Persons in the securities of the Issuer during the past 60 days.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer .

Item 6 is hereby amended to add the following:

On the date hereof, the Reporting Persons entered into a Joint Filing Agreement in which the Reporting Persons agreed to the joint filing on behalf of each of them of statements on Schedule 13D with respect to securities of the Issuer. A copy of this agreement is attached as an exhibit hereto and is incorporated herein by reference.

Mr. Lichtenstein owns Stock Appreciation Rights (“SARs”) for 62,390 Shares, all of which are vested. Such SARs were awarded to Mr. Lichtenstein in his capacity as a director of the Issuer.

Item 7. Material to be Filed as Exhibits.

Item 7 is hereby amended to add the following exhibit:

<u>Exhibit No.</u>	<u>Description</u>
99.1	Joint Filing Agreement by and among the Reporting Persons, dated December 26, 2017.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: December 26, 2017

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.  
General Partner

By: /s/ Jack L. Howard  
Jack L. Howard, President

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.  
Managing Member

By: /s/ Jack L. Howard  
Jack L. Howard, President

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.  
Manager

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL EXCEL, INC.

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL PARTNERS, LTD.

By: /s/ Jack L. Howard  
Jack L. Howard, President

/s/ Jack L. Howard  
JACK L. HOWARD  
as Attorney-In-Fact for Warren G. Lichtenstein

**SCHEDULE A****Executive Officers and Directors of Steel Partners Holdings GP Inc.**

<u>Name and Position</u>	<u>Present Principal Occupation</u>	<u>Business Address</u>
Warren G. Lichtenstein, Executive Chairman and Director	Executive Chairman of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Jack L. Howard, President and Director	President of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company, and a principal of Mutual Securities, Inc., a registered broker dealer	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Douglas B. Woodworth, Senior Vice President and Chief Financial Officer	Senior Vice President and Chief Financial Officer of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Lon Rosen, Director	Executive Vice President and Chief Marketing Officer for the Los Angeles Dodgers	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
John P. McNiff, Director	Chairman of Discovery Capital Management, LLC, a multi-strategy hedge fund	1 Fayette Street, Conshohocken, PA 19428
Joseph L. Mullen, Director	Managing Partner of Li Moran International, Inc., a management consulting company	c/o Li Moran International 611 Broadway, Suite 722 New York, NY 10012
General Richard I. Neal, Director	President of Sisvel US, Inc. and Audio MPEG, Inc., licensors of intellectual property	c/o Sisvel US, Inc. 66 Canal Center Plaza, Suite 750 Alexandria, VA 22314
Allan R. Tessler, Director	Chairman and Chief Executive Officer of International Financial Group, Inc., an international merchant banking firm	c/o International Financial Group, Inc. 2500 North Moose Wilson Road Wilson, WY 83014



**Executive Officers and Directors of Steel Excel, Inc.**

<u>Name and Position</u>	<u>Present Principal Occupation</u>	<u>Business Address</u>
Warren G. Lichtenstein, Chairman	Executive Chairman of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Jack L. Howard, President, Secretary and Director	President of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company, and a principal of Mutual Securities, Inc., a registered broker dealer	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Douglas B. Woodworth, Treasurer and Director	Senior Vice President and Chief Financial Officer of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022

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**Executive Officers and Directors of Steel Partners, Ltd.**

<u>Name and Position</u>	<u>Present Principal Occupation</u>	<u>Business Address</u>
Warren G. Lichtenstein, Chief Executive Officer	Executive Chairman of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Jack L. Howard, President and Director	President of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company, and a principal of Mutual Securities, Inc., a registered broker dealer	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Mario Marcon, Chief Financial Officer	Employee of Steel Services, Ltd., a subsidiary of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022
Leonard Toboroff, Director	Attorney	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32nd Floor New York, NY 10022

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JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1)(iii) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them of a Statement on Schedule 13D (including amendments thereto) with respect to the Common Stock, par value \$0.10 per share, of Aerojet Rocketdyne Holdings, Inc. This Joint Filing Agreement shall be filed as an Exhibit to such Statement.

Dated: December 26, 2017

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.  
General Partner

By: /s/ Jack L. Howard  
Jack L. Howard, President

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.  
Managing Member

By: /s/ Jack L. Howard  
Jack L. Howard, President

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.  
Manager

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL EXCEL, INC.

By: /s/ Jack L. Howard  
Jack L. Howard, President

STEEL PARTNERS, LTD.

By: /s/ Jack L. Howard  
Jack L. Howard, President

/s/ Jack L. Howard  
JACK L. HOWARD  
as Attorney-In-Fact for Warren G. Lichtenstein