

## U.S. PRODUCERS' QUESTIONNAIRE

### FLUID END BLOCKS FROM CHINA, GERMANY, INDIA, AND ITALY

This questionnaire must be received by the Commission by **September 11, 2020**  
*See last page for filing instructions.*

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with its countervailing duty and antidumping investigations concerning fluid end blocks from China, Germany, India, and Italy (Inv. Nos. 701-TA-632-635 and 731-TA-1466-1468 (Final)). The information requested in the questionnaire is requested under the authority of the Tariff Act of 1930, title VII. This report is mandatory and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your firm's possession (19 U.S.C. § 1333(a)).

<p>Name of firm _____</p> <p>Address _____</p> <p>City _____ State _____ Zip Code _____</p> <p>Website _____</p> <p>Has your firm produced or performed finishing/machining operations on fluid end blocks (as defined on next page) at any time since January 1, 2017?</p> <p><input type="checkbox"/> <b>NO</b> (Sign the certification below and promptly return <b>only</b> this page of the questionnaire to the Commission)</p> <p><input type="checkbox"/> <b>YES</b> (Complete parts of the questionnaire that are relevant to your firm, as instructed, and return the entire questionnaire to the Commission)</p> <p>Return questionnaire via the U.S. International Trade Commission <i>Drop Box</i> by clicking on the following link: <a href="https://dropbox.usitc.gov/oinv/">https://dropbox.usitc.gov/oinv/</a>. (PIN: <b>FEBS</b>)</p>
--

#### CERTIFICATION

*I certify that the information herein supplied in response to this questionnaire is complete and correct to the best of my knowledge and belief and understand that the information submitted is subject to audit and verification by the Commission. By means of this certification I also grant consent for the Commission, and its employees and contract personnel, to use the information provided in this questionnaire and throughout this proceeding in any other import-injury proceedings conducted by the Commission on the same or similar merchandise.*

*I, the undersigned, acknowledge that information submitted in response to this request for information and throughout this proceeding or other proceedings may be disclosed to and used: (i) by the Commission, its employees and Offices, and contract personnel (a) for developing or maintaining the records of this or a related proceeding, or (b) in internal investigations, audits, reviews, and evaluations relating to the programs, personnel, and operations of the Commission including under 5 U.S.C. Appendix 3; or (ii) by U.S. government employees and contract personnel, solely for cybersecurity purposes. I understand that all contract personnel will sign appropriate nondisclosure agreements.*

\_\_\_\_\_  
Name of Authorized Official

\_\_\_\_\_  
Title of Authorized Official

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Email address

**PART I.—GENERAL INFORMATION**

**Background.**--This proceeding was instituted in response to petitions filed on December 19, 2019, by Ellwood City Forge Company, Ellwood Quality Steels Company, and Ellwood National Steel Company (collectively the “Ellwood Group”), Ellwood City, Pennsylvania; A. Finkl & Sons (“Finkl Steel”), Chicago, Illinois; and FEB Fair Trade Coalition (an *ad hoc* coalition whose members include the Forging Industry Association, the Ellwood Group, and Finkl Steel), Cleveland, Ohio. Countervailing and antidumping duties may be assessed on the subject imports as a result of these proceedings if the Commission makes an affirmative determination of injury, threat, or material retardation, and if the U.S. Department of Commerce (“Commerce”) makes an affirmative determination of subsidization or dumping. Questionnaires and other information pertinent to this proceeding are available at [https://usitc.gov/investigations/701731/2020/fluid\\_end\\_blocks\\_china\\_germany\\_india\\_and\\_italy/final.htm](https://usitc.gov/investigations/701731/2020/fluid_end_blocks_china_germany_india_and_italy/final.htm)

**Fluid end blocks** covered by these investigations are forged steel fluid end blocks (fluid end blocks), whether in finished or unfinished form, and which are typically used in the manufacture or service of hydraulic pumps.

The term “forged” is an industry term used to describe the grain texture of steel resulting from the application of localized compressive force. Illustrative forging standards include, but are not limited to, American Society for Testing and Materials (ASTM) specifications A668 and A788.

For purposes of these investigations, the term “steel” denotes metal containing the following chemical elements, by weight: (i) iron greater than or equal to 60 percent; (ii) nickel less than or equal to 8.5 percent; (iii) copper less than or equal to 6 percent; (iv) chromium greater than or equal to 0.4 percent, but less than or equal to 20 percent; and (v) molybdenum greater than or equal to 0.15 percent, but less than or equal to 3 percent. Illustrative steel standards include, but are not limited to, American Iron and Steel Institute (AISI) or Society of Automotive Engineers (SAE) grades 4130, 4135, 4140, 4320, 4330, 4340, 8630, 15-5, 17-4, F6NM, F22, F60, and XM25, as well as modified varieties of these grades.

The products covered by these investigations are: (1) cut-to-length fluid end blocks with an actual height (measured from its highest point) of 8 inches (203.2 mm) to 40 inches (1,016.0 mm), an actual width (measured from its widest point) of 8 inches (203.2 mm) to 40 inches (1,016.0 mm), and an actual length (measured from its longest point) of 11 inches (279.4 mm) to 75 inches (1,905.0 mm); and (2) strings of fluid end blocks with an actual height (measured from its highest point) of 8 inches (203.2 mm) to 40 inches (1,016.0 mm), an actual width (measured from its widest point) of 8 inches (203.2 mm) to 40 inches (1,016.0 mm), and an actual length (measured from its longest point) up to 360 inches (9,144.0 mm).

The products included in the scope of these investigations have a tensile strength of at least 70 KSI (measured in accordance with ASTM A370) and a hardness of at least 140 HBW (measured in accordance with ASTM E10).

A fluid end block may be imported in finished condition (i.e., ready for incorporation into a pump fluid end assembly without further finishing operations) or unfinished condition (i.e., forged but still requiring one or more finishing operations before it is ready for incorporation into a pump fluid end assembly). Such finishing operations may include: (1) heat treating; (2) milling one or more flat surfaces; (3) contour machining to custom shapes or dimensions; (4) drilling or boring holes; (5) threading holes; and/or (6) painting, varnishing, or coating.

Excluded from the scope of these investigations are fluid end block assemblies which (1) include (a) plungers and related housings, adapters, gaskets, seals, and packing nuts, (b) valves and related seats, springs, seals, and cover nuts, and (c) a discharge flange and related seals, and (2) are otherwise ready to be mated with the "power end" of a hydraulic pump without the need for installation of any plunger, valve, or discharge flange components, or any other further manufacturing operations.

The products included in the scope of these investigations may enter under Harmonized Tariff Schedule of the United States (HTSUS) subheadings 7218.91.0030, 7218.99.0030, 7224.90.0015, 7224.90.0045, 7326.19.0010, 7326.90.8688, or 8413.91.9055. While these HTSUS subheadings are provided for convenience and customs purposes, the written description of the scope of the investigations is dispositive.

**Reporting of information.**--If information is not readily available from your records, provide carefully prepared estimates. If your firm is completing more than one questionnaire (i.e., a producer, importer, and/or purchaser questionnaire), you need not respond to duplicated questions.

**Confidentiality.**--The commercial and financial data furnished in response to this questionnaire that reveal the individual operations of your firm will be treated as confidential by the Commission to the extent that such data are not otherwise available to the public and will not be disclosed except as may be required by law (see 19 U.S.C. § 1677f). Such confidential information will not be published in a manner that will reveal the individual operations of your firm; however, general characterizations of numerical business proprietary information (such as discussion of trends) will be treated as confidential business information only at the request of the submitter for good cause shown.

**Verification.**--The information submitted in this questionnaire is subject to audit and verification by the Commission. To facilitate possible verification of data, please keep all files, worksheets, and supporting documents used in the preparation of the questionnaire response. Please also retain a copy of the final document that you submit.

**Release of information.**--The information provided by your firm in response to this questionnaire, as well as any other business proprietary information submitted by your firm to the Commission in connection with this proceeding, may become subject to, and released under, the administrative protective order provisions of the Tariff Act of 1930 (19 U.S.C. § 1677f) and section 207.7 of the Commission's Rules of Practice and Procedure (19 CFR § 207.7). This means that certain lawyers and other authorized individuals may temporarily be given access to the information for use in connection with this proceeding or other import-injury proceedings conducted by the Commission on the same or similar merchandise; those individuals would be subject to severe penalties if the information were divulged to unauthorized individuals.

**D-GRIDS tool.**--The Commission has a tool that firms can use to move data from their own MS Excel compilation files into self-contained data tables within this MS Word questionnaire, thereby reducing the amount of cell-by-cell data entry that would be required to complete this form. This tool is a macro-enabled MS Excel file available for download from the Commission's generic questionnaires webpage ([https://www.usitc.gov/trade\\_remedy/question.htm](https://www.usitc.gov/trade_remedy/question.htm)) called the "D-GRIDs tool." Use of this tool to help your firm complete this questionnaire is *optional*. Firms opting to use the D-GRIDs tool to populate their data into this questionnaire will need the D-GRIDs specification sheet PDF file specific to this proceeding (available on the case page which is linked under the "Background" above) which includes the necessary references relating to this questionnaire, as well as the macro-enable MS Excel D-GRIDs tool itself from the generic questionnaires page. More detailed instructions on how to use the D-GRIDs tool are available within the D-GRIDs tool itself.

**Questionnaire Response Guide**

Please review the three types of production activities described below and identify which type(s) apply(ies) to your firm. Refer to the table to determine which section(s) of the questionnaire your firm is required to fill out.

**“Forger or integrated producer”**— A firm that forges and sells fluid end blocks (i.e., forger), or a firm that forges, performs finishing/machining operations, and sells fluid end blocks (integrated producers). Finishing operations may include milling of one or more flat surfaces; contour machining to custom shapes or dimensions; drilling or boring holes; heat treating; painting, varnishing, or coating; and/or threading.

**“Finishing/machining-only producer”** – A firm that purchases forged fluid end blocks and only performs finishing/machining operations on them. The firm either internally consumes, transfers to a related firm, or sells the fluid end blocks it finishes/machines.

**“Toller that finishes/machines fluid end blocks”** – A firm that, under a tolling agreement, only finishes/machines fluid end blocks. A tolling agreement is an agreement between two firms whereby the first firm (“TOLLEE”) furnishes the raw materials and the second firm (“TOLLER”) uses the raw materials to produce a product that it then returns to the first firm with a charge for processing costs, overhead, etc.

<b>Sections of this questionnaire</b>	<b><u>Forger or integrated producer</u></b>	<b><u>Finishing/machining-only producer</u></b>	<b><u>Toller that finishes/machines fluid end blocks</u></b>
Part I General	✓	✓	✓
Part II - Select trade and financial information (abbreviated)	✓ (skip questions II-3b and II-17 to II-26)	✓ (skip questions II-3a and II-7 to II-16)	✗
Part III - Pricing and market factors	✓	✓	✗
Part IV – Financial information	✓	✓	✗
Part V – Toll finishing only	✗	✗	✓

I-1a. **OMB statistics.**--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire.

Hours	Dollars

The questions in this questionnaire have been reviewed with market participants to ensure that issues of concern are adequately addressed and that data requests are sufficient, meaningful, and as limited as possible. Public reporting burden for this questionnaire is estimated to average 50 hours per response, including the time for reviewing instructions, gathering data, and completing and reviewing the questionnaire.

We welcome comments regarding the accuracy of this burden estimate, suggestions for reducing the burden, and any suggestions for improving this questionnaire. Please attach such comments to your response or send to the Office of Investigations, USITC, 500 E St. SW, Washington, DC 20436.

I-1b. **TAA information release.**--In the event that the U.S. International Trade Commission (USITC) makes an affirmative final determination in this proceeding, do you consent to the USITC's release of your contact information (company name, address, contact person, contact person's title, telephone number, email address) appearing on the front page of this questionnaire to the Departments of Commerce, Labor, and Agriculture, as applicable, so that your firm and its workers can be made eligible for benefits under the Trade Adjustment Assistance program?

Yes       No

I-2. **Production activities.**—Check the box that best describes the production activities your company performs (Check one).

**“Finishing operations”** -- Finishing operations may include milling of one or more flat surfaces; contour machining to custom shapes or dimensions; drilling or boring holes; heat treating; painting, varnishing, or coating; and/or threading.

- Only forges fluid end blocks
- Only performs finishing operations on fluid end blocks
- Forges and performs finishing operations on fluid end blocks

I-3a. **Establishments covered.**--Provide the city, state, zip code, and brief description of each establishment covered by this questionnaire. **Firms operating more than one establishment should combine the data for all establishments into a single report.**

**“Establishment”**--Each facility of a firm involved in the production of fluid end blocks, including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities.

Establishments covered <sup>1</sup>	City, State	Zip (5 digit)	Description
1			
2			
3			
4			
5			
6			
<sup>1</sup> Additional discussion on establishments consolidated in this questionnaire: _____.			

I-3b. **Stock symbol information.**-- If your firm or parent firm is publicly traded, please specify the stock exchange and trading symbol: \_\_\_\_\_.

I-3c. **External counsel.**-- If your firm or parent firm is represented by external counsel in relation to this proceeding, please specify the name of the law firm and the lead attorney(s).

Law firm:	
Lead attorney(s):	

I-4. **Petitioner status.**--Is your firm a petitioner in this proceeding or a member firm of the petitioning entity?

<b>No</b>	<b>Yes</b>
<input type="checkbox"/>	<input type="checkbox"/>

I-5. **Petition support.**--Does your firm support or oppose each petition below?

Country	Support	Oppose	Take no position
China CVD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Germany AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Germany CVD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
India AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
India CVD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Italy AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Italy CVD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**PART II.--TRADE AND RELATED INFORMATION**

Further information on this part of the questionnaire can be obtained from **Kristina Lara** (202-205-3386, [kristina.lara@usitc.gov](mailto:kristina.lara@usitc.gov)). **Supply all data requested on a calendar-year basis.**

II-1. **Contact information.**--Please identify the responsible individual and the manner by which Commission staff may contact that individual regarding the confidential information submitted in part II.

Name	
Title	
Email	
Telephone	

II-2. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the production of fluid end blocks since January 1, 2017.

<i>(check as many as appropriate)</i>		<i>(If checked, please describe; leave blank if not applicable)</i>
<input type="checkbox"/>	plant openings	
<input type="checkbox"/>	plant closings	
<input type="checkbox"/>	relocations	
<input type="checkbox"/>	expansions	
<input type="checkbox"/>	acquisitions	
<input type="checkbox"/>	consolidations	
<input type="checkbox"/>	prolonged shutdowns or production curtailments	
<input type="checkbox"/>	revised labor agreements	
<input type="checkbox"/>	other (e.g., technology)	



II-3a. **Production using same machinery: Forgers and integrated producers.**--Please report your firm's production of products using the same equipment, machinery, or employees as used to produce fluid end blocks, and the combined production capacity on this shared equipment, machinery, or employees in the periods indicated.

**"Overall production capacity" or "capacity"** – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup).

**"Production"** – All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
	<b>Quantity (in pounds)</b>				
<b>Overall capacity<sup>1</sup></b>					
<i>To forge fluid end blocks</i>					
<i>To finish fluid end blocks</i>					
<b>Production of:</b>					
Fluid end blocks					
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
	<b>Quantity (in units)</b>				
<b>Overall capacity<sup>1,3</sup></b>					
<i>To forge fluid end blocks</i>					
<i>To finish fluid end blocks</i>					
<b>Production of:</b>					
Fluid end blocks <sup>4</sup>	0	0	0	0	0
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
<sup>1</sup> Data reported for capacity (first line) should be greater than data reported for total production (last line). <sup>2</sup> Please identify these products: _____. <sup>3</sup> Please explain how the two types of capacity were used to report the capacity for fluid end blocks in question II-11: _____. <sup>4</sup> Data entered for production of fluid end blocks will populate here once reported in question II-11.					

II-3b. **Production using same machinery: Non-toll finisher only companies.**--Please report your firm's production of products using the same equipment, machinery, or employees as used to produce/finish fluid end blocks, and the combined production capacity on this shared equipment, machinery, or employees in the periods indicated.

**"Overall production capacity" or "capacity"** – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup).

**"Production"** – All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
	<b>Quantity (in pounds)</b>				
<b>Overall capacity<sup>1</sup></b>					
<b>Production of:</b>					
Fluid end blocks					
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
	<b>Quantity (in units)</b>				
<b>Overall capacity<sup>1 3</sup></b>					
<b>Production of:</b>					
Fluid end blocks <sup>4</sup>	0	0	0	0	0
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
<sup>1</sup> Data reported for capacity (first line) should be greater than data reported for total production (last line). <sup>2</sup> Please identify these products: _____. <sup>3</sup> If your firm reported producing/finished only fluid end blocks (i.e., no "other products" reported), the capacity number here should equal the capacity number reported in question II-21. <sup>4</sup> Data entered for production of fluid end blocks will populate here once reported in question II-21.					

II-3c. **Operating parameters.**--The production capacity reported in II-3a is based on the following operating parameters:

Hours per week	Weeks per year

II-3d. **Capacity calculation.**--Please describe the methodology used to calculate overall production capacity reported in II-3a, and explain any changes in reported capacity.

II-3e. **Production constraints.**--Please describe the constraint(s) that set the limit(s) on your firm's production capacity.

II-4. **Product shifting.**—

(a) Is your firm able to switch production (capacity) between fluid end blocks and other products using the same equipment and/or labor?

No	Yes	If yes—(i.e., have produced other products or are able to produce other products), please identify other actual or potential products.
<input type="checkbox"/>	<input type="checkbox"/>	

(b) Please describe the factors that affect your firm's ability to shift production capacity between products (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

(c) Please describe the steps involved in shifting production between fluid end blocks and other products.

II-5. **Tolling**--Since January 1, 2017, has your firm been involved in a toll agreement regarding the production of fluid end blocks? (i.e., in which a fluid end block forging or other upstream raw materials were provided to a toller that then performs finishing operations on the fluid end block forging on behalf of the tollee)?

**“Toll agreement”**--Agreement between two firms whereby the first firm (**“TOLLEE”**) furnishes the raw materials and the second firm (**“TOLLER”**) uses the raw materials to produce a product that it then returns to the first firm with a charge for processing costs, overhead, etc.

<b>No</b>	<b>Yes</b>	<b>If yes, and your firm was the “tollee”—please complete the table below.</b>
<input type="checkbox"/>	<input type="checkbox"/>	

<b>Finishing firm's name</b>	<b>Finishing firm's contact name</b>	<b>Finishing firm's contact e-mail</b>	<b>Share (percent, by quantity), of your firm's U.S. shipments, that was sent to firm for further finishing, from January 2017 to June 2020</b>
			%
			%
			%
			%
			%

II-6. **Foreign trade zones.**--

- (a) **Firm's FTZ operations.**--Does your firm produce fluid end blocks in and/or admit fluid end blocks into a foreign trade zone (FTZ)?

“**Foreign trade zone**” is a designated location in the United States where firms utilize special procedures that allow delayed or reduced customs duty payments on foreign merchandise. A foreign trade zone must be designated as such pursuant to the rules and procedures set forth in the Foreign-Trade Zones Act.

No	Yes	If yes--Describe the nature of your firm's operations in FTZs and identify the specific FTZ site(s).
<input type="checkbox"/>	<input type="checkbox"/>	

- (b) **Other firms' FTZ operations.**--To your knowledge, do any firms in the United States import fluid end blocks into a foreign trade zone (FTZ) for use in distribution of fluid end blocks and/or the production of downstream articles?

No	Yes	If yes--Identify the firms and the FTZs.
<input type="checkbox"/>	<input type="checkbox"/>	

## Forgers and integrated producers

II-7. **Forging and finishing operations.**—Please check all of the operations your firm performs in the production of fluid end blocks. For each operation checked, please provide an estimate of the operation's share of the total value of the fluid end blocks your firm produces in its finished form (i.e., ready for incorporation into a pump fluid end assembly without further finishing operations). If a given operation's value varies greatly depending on the fluid end block being produced (i.e., a variation of 10 percentage points or more), please provide a range, and explain the variation.

Forging and finishing operations	(Check if generally conducted by your firm on its final FEB sold)	Estimate of the total value of the finished product added by the specified operation (percent) and explanation for any range estimates.
Forging and forging operations	<input type="checkbox"/>	
Milling of one or more flat surfaces	<input type="checkbox"/>	
Contour machining to custom shapes or dimensions	<input type="checkbox"/>	
Drilling or boring holes	<input type="checkbox"/>	
Heat treating	<input type="checkbox"/>	
Painting, varnishing, or coating	<input type="checkbox"/>	
Threading	<input type="checkbox"/>	
Other (please describe):	<input type="checkbox"/>	

II-8. **Forging and finishing operations.**— Please describe the nature and extent of the following activities in relation to your firm's forging and finishing operations in the United States.

Item	Forging operations	Finishing operations
Capital investments		
Technical expertise <sup>1</sup>		
Value added		
Employment		
Quantity, type and source of parts		
Costs and activities		
<sup>1</sup> Please discuss both process expertise and employee expertise required by these operations.		

II-9. **Capital investments.**--

- (a) **Forging only machinery investment costs.**— Please describe and quantify the amount of capital investments needed (from a greenfield investment standpoint) to forge fluid end blocks.

<b>Value (in dollars):</b>	
<b>Description:</b>	

- (b) **Finishing only machinery investment costs.**— Please describe and quantify the amount of capital investments needed (from a greenfield investment standpoint) to finish fluid end blocks. Do not include in this analysis any upstream forging machinery, or downstream end use machinery.

<b>Value (in dollars):</b>	
<b>Description:</b>	

II-10. **Operations' complexity and importance.**—

(a) **Forging operations.**-- On a scale of 1 to 5, please provide your firm's subjective opinion as to the complexity, intensity, and importance of forging activities. 1 is considered minimally complex, intense or important, while 5 is considered extremely complex, intense, and important.

1: Minimally complex, intense, and important	2	3	4	5: Extremely complex, intense, and important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Please describe the reason for your rating.</b>				

(b) **Finishing operations.**-- On a scale of 1 to 5, please provide your firm's subjective opinion as to the complexity, intensity, and importance of finishing activities. 1 is considered minimally complex, intense or important, while 5 is considered extremely complex, intense, and important.

1: Minimally complex, intense, and important	2	3	4	5: Extremely complex, intense, and important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Please describe the reason for your rating.</b>				



- II-11. **Production, shipment, and inventory data**--Report your firm's production capacity, production, shipments, and inventories related to the production of fluid end blocks in its U.S. establishment(s) during the specified periods.

**"Average production capacity" or "capacity"** – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup; and a typical or representative product mix).

**"Production"** – All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

**"Commercial U.S. shipments"** –Shipments made within the United States as a result of an arm's length commercial transaction in the ordinary course of business. Report net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods) in U.S. dollars, f.o.b. your point of shipment.

**"Internal consumption"** – Product consumed internally by your firm. Such transactions are valued at fair market value.

**"Transfers to related firms"** –Shipments made to related firms. Such transactions are valued at fair market value.

**"Related firm"** –A firm that your firm solely or jointly owned, managed, or otherwise controlled; a firm that solely or jointly owned, managed, or otherwise controlled your firm; and/or a firm that was solely or jointly owned, managed, or otherwise controlled by a firm that also solely or jointly owned, managed, or otherwise controlled your firm.

**"Export shipments"** –Shipments to destinations outside the United States, including shipments to related firms.

**"Inventories"**— Finished goods inventory, not raw materials or work-in-progress.

*Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the trade data, as Commission staff may contact your firm regarding questions on the trade data. The Commission may also request that your company submit copies of the supporting documents/records (such as production and sales schedules, inventory records, etc.) used to compile these data.*

**II-11. Forgers and integrated producers' production trade data: Production, shipment, and inventory data.—Continued**

Quantity (in units) and value (in \$1,000)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Average production capacity<sup>1</sup> (quantity)</b> (A)					
<b>Beginning-of-period inventories</b> (quantity) (B)					
<b>Production</b> (quantity) (C)					
<b>U.S. shipments:<sup>2</sup></b>					
<b>Commercial shipments:</b>					
Quantity (D)					
Value (E)					
<b>Internal consumption:<sup>3</sup></b>					
Quantity (F)					
Value <sup>2</sup> (G)					
<b>Transfers to related firms:<sup>3</sup></b>					
Quantity (H)					
Value <sup>3</sup> (I)					
<b>Export shipments:<sup>4</sup></b>					
Quantity (J)					
Value (K)					
<b>End-of-period inventories<sup>5</sup> (quantity) (L)</b>					

<sup>1</sup> The production capacity reported is based on operating \_\_\_ hours per week, \_\_\_ weeks per year. Please describe the methodology used to calculate production capacity and explain any changes in reported capacity \_\_\_\_\_.

<sup>2</sup> Were any of your firm's 2019 U.S. shipments of fluid end blocks toll processed by another firm on your behalf?  
 No  Yes.  
 If yes, please provide the quantity, in units, of 2019 U.S. shipments that were toll processed: \_\_\_\_\_.

<sup>3</sup> Internal consumption and transfers to related firms must be valued at fair market value. If your firm uses a different basis for valuing these transactions in your records, please specify that basis (e.g., cost, cost plus, etc.): \_\_\_\_\_. However, the data provided above in this table should be based on fair market value.

<sup>4</sup> Identify your firm's principal export markets: \_\_\_\_\_.

<sup>5</sup> Are any of the end-of-period inventories reported customized such that they can only be used by a specific end user?  
 No  Yes  
 If yes, please estimate the percentage of end-of period inventories that were customized for a specific end user \_\_\_ and describe how they were customized \_\_\_\_\_.

**II-11. Forgers and integrated producers' production trade data: Production, shipment, and inventory data.—Continued**

***RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line L) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, and J). Please ensure that any differences are not due to data entry errors in completing this form, but rather reflect your firm's actual records; and, also provide explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.*

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
B + C – D – F – H – J – L = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate:_____.					

**II-12. Channels of distribution: Forgers and integrated producers.**--Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by channel of distribution in the specified periods.

Quantity (in units)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Channels of distribution:</b>					
<b>U.S. shipments:</b>					
To distributors (M)					
To OEMs / end users (N)					
To non-OEM finisher (O)					

***RECONCILIATION OF CHANNELS.**--Please ensure that the quantities reported for channels of distribution (i.e., lines M, N, O) in each time period equal the quantities reported for U.S. shipments in question II-11 (i.e., line D, F, and H) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.*

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
M + N + O – D - F- H = zero ("0"), if not revise.	0	0	0	0	0

II-13. **U.S. shipments by level of processing and steel type: Forgers and integrated producers.**--  
Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by level of processing and steel type during the specified periods.

**"Unfinished"** – A fluid end block that requires further manufacturing operations prior to incorporation into a pump fluid end assembly.

**"Finished"** – A fluid end block that is ready for incorporation into a fluid end module without further manufacturing operations.

**"Stainless steel"** – Alloy steels containing, by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

<b>Quantity (in units and in pounds as noted) and value (in \$1,000)</b>					
<b>Item</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>U.S. shipments:</b>					
<b>Unfinished (stainless steel):</b>					
Quantity in units (P)					
Quantity in pounds (Q)					
Value in \$1,000s (R)					
<b>Unfinished (other than stainless steel):</b>					
Quantity in units (S)					
Quantity in pounds (T)					
Value in \$1,000s (U)					
<b>Finished (stainless steel):</b>					
Quantity in units (V)					
Quantity in pounds (W)					
Value in \$1,000s (X)					
<b>Finished (other than stainless steel):</b>					
Quantity in units (Y)					
Quantity in pounds (Z)					
Value in \$1,000s (AA)					

**RECONCILIATION OF SHIPMENTS.**—Please ensure that the quantities (in units) and values reported for U.S. shipments in this question in each time period equal the quantity and values reported for U.S. shipments in previous question II-11 (i.e., lines D through I) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

<b>Reconciliation</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>Quantity (in units):</b> P + S + V + Y – D – F – H = zero ("0"), if not revise	0	0	0	0	0
<b>Value:</b> R + U + X + AA – E – G – I = zero, ("0"), if not revise.	0	0	0	0	0

II-14. **U.S. shipments by end use: Forgers and integrated producers' production trade data.**--Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by end use during the specified periods.

Quantity (in units) and value (in \$1,000)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>U.S. shipments:</b>					
<b>Mud pump applications:</b>					
Quantity (AB)					
Value (AC)					
<b>Frack pump applications:</b>					
Quantity (AD)					
Value (AE)					
<b>Other applications:<sup>1</sup></b>					
Quantity (AF)					
Value (AG)					

<sup>1</sup> Please identify other applications: \_\_\_\_\_.

**RECONCILIATION OF SHIPMENTS.**—Please ensure that the quantities and values reported for U.S. shipments in this question (i.e., lines AB through AG) in each time period equal the quantities and values reported for U.S. shipments in question II-11 (i.e., lines D through I) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Quantity:</b> AB + AD + AF – D – F – H = zero ("0"), if not revise	0	0	0	0	0
<b>Value:</b> AC + AE + AG – E – G – I = zero, ("0"), if not revise.	0	0	0	0	0

II-15. **Employment data: Forgers and integrated producers' production trade data.**--Report your firm's employment-related data related to the production of fluid end blocks and provide an explanation for any trends in these data.

**"Production and Related Workers" (PRWs)** includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and divide that total by 12. For the January to June periods, calculate similarly and divide by 6.

If your firm had the same number of PRWs in all calendar years and had not experienced any changes in PRWs in the most recent interim period, you would have the same number of PRWs for the interim periods, regardless of whether the interim periods are Jan-Mar (Q1), Jan-June (Q1+Q2), or Jan-Sept (Q1+Q2+Q3)."

**"Hours worked"** includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

**"Wages paid"** --Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
Average number of PRWs ( <i>number</i> )					
Hours worked by PRWs (1,000 hours): <i>Relating to forging operations</i>					
<i>Relating to finishing operations</i>					
Wages paid to PRWs (\$1,000)					

Explanation of trends:

II-16. **Transfers to related firms: Forgers and integrated producers' production trade data.**--If your firm reported transfers to related firms in question II-11, please identify the firm(s) and indicate the nature of the relationship between your firm and the related firms (e.g., joint venture, wholly owned subsidiary), whether the transfers were priced at market value or by a non-market formula, whether your firm retained marketing rights to all transfers, and whether the related firms also processed inputs from sources other than your firm.

## Finishing/machining-only producers

II-17. **Finishing operations.**—Please check all of the finishing operations your firm performs in the production of fluid end blocks. For each finishing operation checked, please provide an estimate of the operation's share of the total value of the fluid end blocks your firm produces in its finished form (i.e., ready for incorporation into a pump fluid end assembly without further finishing operations). If a given operation's value varies greatly depending on the fluid end block being produced (i.e., a variation of 10 percentage points or more), please provide a range, and explain the variation.

Finishing operations	(Check if generally conducted by your firm on its final fluid end block sold)	Estimate of the total value of the finished product added by the specified operation (percent) and explanation for any range estimates.
Milling of one or more flat surfaces	<input type="checkbox"/>	
Contour machining to custom shapes or dimensions	<input type="checkbox"/>	
Drilling or boring holes	<input type="checkbox"/>	
Heat treating	<input type="checkbox"/>	
Painting, varnishing, or coating	<input type="checkbox"/>	
Threading	<input type="checkbox"/>	
Other (please describe):	<input type="checkbox"/>	

II-18. **Finishing operations.**-- Please describe the nature and extent of the following activities in relation to your firm's finishing processing operations in the United States.

Capital investments	
Technical expertise <sup>1</sup>	
Value added	
Employment	
Quantity, type and source of parts	
Costs and activities	
<sup>1</sup> Please discuss both process expertise and employee expertise required by these operations.	

II-19. **Finishing-only capital investments.**--Please describe and quantify the amount of capital investments needed (from a greenfield investment standpoint) to finish fluid end blocks. Do not include in this analysis any upstream forging machinery, or downstream end use machinery.

<b>Value (in dollars):</b>	
<b>Description:</b>	

II-20. **Finishing-only processing operations' complexity and importance.**--On a scale of 1 to 5, please provide your firm's subjective opinion as to the complexity, intensity, and importance of finishing-only processing activities. 1 is considered minimally complex, intense or important, while 5 is considered extremely complex, intense, and important.

<b>1: Minimally complex, intense, and important</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5: Extremely complex, intense, and important</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Please describe the reason for your rating.</b>				



- II-21. **Production, shipment, and inventory data.**--Report your firm's non-toll production capacity, non-toll production, shipments, and inventories related to the production of fluid end blocks in its U.S. establishment(s) during the specified periods. **DO NOT** report any toll production that you perform for other firms on this page (report those data in Part V of the questionnaire).

**"Average production capacity" or "capacity"** – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup; and a typical or representative product mix).

**"Production"** – All production in your U.S. establishment(s), including production consumed internally within your firm.

**"Commercial U.S. shipments"** –Shipments made within the United States as a result of an arm's length commercial transaction in the ordinary course of business. Report net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods) in U.S. dollars, f.o.b. your point of shipment.

**"Internal consumption"** – Product consumed internally by your firm. Such transactions are valued at fair market value.

**"Transfers to related firms"** –Shipments made to related firms. Such transactions are valued at fair market value.

**"Related firm"** –A firm that your firm solely or jointly owned, managed, or otherwise controlled; a firm that solely or jointly owned, managed, or otherwise controlled your firm; and/or a firm that was solely or jointly owned, managed, or otherwise controlled by a firm that also solely or jointly owned, managed, or otherwise controlled your firm.

**"Export shipments"** –Shipments to destinations outside the United States, including shipments to related firms.

**"Inventories"** – Finished goods inventory, not raw materials or work-in-progress.

*Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the trade data, as Commission staff may contact your firm regarding questions on the trade data. The Commission may also request that your company submit copies of the supporting documents/records (such as production and sales schedules, inventory records, etc.) used to compile these data.*

**II-21. Finishing/machining-only producers: Production, shipment, and inventory data.—Continued**

<b>Quantity (in units) and value (in \$1,000)</b>					
<b>Item</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>Average production capacity<sup>1</sup> (quantity) (A)</b>					
<b>Beginning-of-period inventories (quantity) (B)</b>					
<b>Production:</b>					
Using purchased <i>domestic</i> unfinished fluid end blocks (quantity) (C)					
Using purchased/imported unfinished fluid end blocks from <i>subject</i> sources (quantity) (D)					
Using purchased/imported unfinished fluid end blocks from <i>nonsubject</i> sources (quantity) (E)					
Total production	0	0	0	0	0
<b>U.S. shipments:<sup>2</sup></b>					
<b>Commercial shipments:</b>					
Quantity (F)					
Value (G)					
<b>Internal consumption:<sup>3</sup></b>					
Quantity (H)					
Value <sup>3</sup> (I)					
<b>Transfers to related firms:<sup>3</sup></b>					
Quantity (J)					
Value <sup>3</sup> (K)					
<b>Export shipments:<sup>4</sup></b>					
Quantity (L)					
Value (M)					
<b>End-of-period inventories<sup>5</sup> (quantity) (N)</b>					

<sup>1</sup> The production capacity reported is based on operating \_\_\_ hours per week, \_\_\_ weeks per year. Please describe the methodology used to calculate production capacity and explain any changes in reported capacity \_\_\_\_.

<sup>2</sup> Were any of your firm's 2019 U.S. shipments of fluid end blocks toll processed by another firm on your behalf?  
 No  Yes.

If yes, please provide the quantity, in units, of 2019 U.S. shipments that were toll processed: \_\_\_\_.

<sup>3</sup> Internal consumption and transfers to related firms must be valued at fair market value. If your firm uses a different basis for valuing these transactions in your records, please specify that basis (e.g., cost, cost plus, etc.): \_\_\_\_\_. However, the data provided above in this table should be based on fair market value.

<sup>4</sup> Identify your firm's principal export markets: \_\_\_\_\_.

<sup>5</sup> Are any of the end-of-period inventories reported customized such that they can only be used by a specific end user?  
 No  Yes

If yes, please estimate the percentage of end-of period inventories that were customized for a specific end user \_\_\_\_ and describe how they were customized \_\_\_\_\_.

**II-21. Finishing/machining-only producers: Production, shipment, and inventory data.—Continued**

***RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line N) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., lines C, D, and E), less total shipments (i.e., lines F, H, J, and L). Please ensure that any differences are not due to data entry errors in completing this form, but rather reflect your firm's actual records; and, also provide explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.*

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
B + C + D + E – F – H – J – L = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.					

**II-22. Channels of distribution: Finishing/machining-only producers.--Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by channel of distribution in the specified periods.**

Quantity (in units)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Channels of distribution:</b>					
<b>U.S. shipments:</b>					
To distributors (O)					
To OEMs / end users (P)					

***RECONCILIATION OF CHANNELS.**--Please ensure that the quantities reported for channels of distribution (i.e., lines O and P) in each time period equal the quantity reported for U.S. shipments in question II-21 (i.e., lines F, H, and J) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.*

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
O + P – F – H – J = zero ("0"), if not revise.	0	0	0	0	0

II-23. **U.S. shipments by level of processing and steel type: Finishing/machining-only producers.**-- Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by level of processing and steel type during the specified periods.

**"Unfinished"** – A fluid end block that requires further manufacturing operations prior to incorporation into a pump fluid end assembly.

**"Finished"** – A fluid end block that is ready for incorporation into a pump fluid end assembly without further manufacturing operations.

**"Stainless steel"** – Alloy steels containing, by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

<b>Quantity (in units and in pounds as noted) and value (in \$1,000)</b>					
<b>Item</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>U.S. shipments:</b>					
<b>Unfinished (stainless steel):</b>					
Quantity in units (Q)					
Quantity in pounds (R)					
Value in \$1,000s (S)					
<b>Unfinished (other than stainless steel):</b>					
Quantity in units (T)					
Quantity in pounds (U)					
Value in \$1,000s (V)					
<b>Finished (stainless steel):</b>					
Quantity in units (W)					
Quantity in pounds (X)					
Value in \$1,000s (Y)					
<b>Finished (other than stainless steel):</b>					
Quantity in units (Z)					
Quantity in pounds (AA)					
Value in \$1,000s (AB)					

**RECONCILIATION OF SHIPMENTS.**—Please ensure that the quantities (in units) and values reported for U.S. shipments in this question in each time period equal the quantities and values reported for U.S. shipments in question II-21 (i.e., lines F through K) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

<b>Reconciliation</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>Quantity (in units):</b> Q + T + W + Z – F – H – J = zero ("0"), if not revise	0	0	0	0	0
<b>Value:</b> S + V + Y + AB – G – I – K = zero, ("0"), if not revise.	0	0	0	0	0

II-24. **U.S. shipments by end use: Finishing/machining-only producers.**--Report your firm's U.S. shipments (i.e. inclusive of commercial U.S. shipments, internal consumption, and transfers to related firms) by end use during the specified periods.

Quantity (in units) and value (in \$1,000)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>U.S. shipments:</b>					
<b>Mud pump applications:</b>					
Quantity (AC)					
Value (AD)					
<b>Frack pump applications:</b>					
Quantity (AE)					
Value (AF)					
<b>Other applications:<sup>1</sup></b>					
Quantity (AG)					
Value (AH)					

<sup>1</sup> Please identify other applications: \_\_\_\_\_.

**RECONCILIATION OF SHIPMENTS.**—Please ensure that the quantities and values reported for U.S. shipments in this question (i.e., lines AC through AH) in each time period equal the quantities and values reported for U.S. shipments in previous question II-21 (i.e., lines F through K) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Quantity:</b> AC + AE + AG – F – H – J = zero ("0"), if not revise	0	0	0	0	0
<b>Value:</b> AD + AF + AH – G – I – K = zero, ("0"), if not revise.	0	0	0	0	0

II-25. **Employment data: Finishing/machining-only producers.**--Report your firm's employment-related data related to the production of fluid end blocks and provide an explanation for any trends in these data.

**"Production and Related Workers" (PRWs)** includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and divide that total by 12. For the January to June periods, calculate similarly and divide by 6.

If your firm had the same number of PRWs in all calendar years and had not experienced any changes in PRWs in the most recent interim period, you would have the same number of PRWs for the interim periods, regardless of whether the interim periods are Jan-Mar (Q1), Jan-June (Q1+Q2), or Jan-Sept (Q1+Q2+Q3)."

**"Hours worked"** includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

**"Wages paid"** --Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
Average number of PRWs ( <i>number</i> )					
Hours worked by PRWs ( <i>1,000 hours</i> )					
Wages paid to PRWs ( <i>\$1,000</i> )					

Explanation of trends:

II-26. **Transfers to related firms: Finishing/machining-only producers.**--If your firm reported transfers to related firms in question II-21, please identify the firm(s) and indicate the nature of the relationship between your firm and the related firms (e.g., joint venture, wholly owned subsidiary), whether the transfers were priced at market value or by a non-market formula, whether your firm retained marketing rights to all transfers, and whether the related firms also processed inputs from sources other than your firm.

## U.S. purchases of fluid end blocks

II-27a. **Purchases: Unfinished or finished fluid end blocks.**--Has your firm purchased *unfinished or finished* fluid end blocks produced in the United States or in other countries since January 1, 2017? (Do not include imports for which your firm was the importer of record. These should be reported in an importer questionnaire).

**“Purchase”** – A transaction to buy product from a U.S. corporate entity such as another U.S. producer, a U.S. distributor, or a U.S. firm that has directly imported the product.

**“Import”** –A transaction to buy from a foreign supplier where your firm is the importer of record.

**“Unfinished”** – A fluid end block that requires further manufacturing operations prior to incorporation into a pump fluid end assembly.

**“Finished”** – A fluid end block that is ready for incorporation into a pump fluid end assembly without further manufacturing operations.

No	Yes	<b>If yes-- Report such purchases in the table below and explain the reasons for your firms' purchases:</b>
<input type="checkbox"/>	<input type="checkbox"/>	

*Note:* If your firm served as the importer of record for any purchases from foreign suppliers, either for your own account or as a service for another entity, those purchases are to be considered "imports" not "purchases" and **should not** be included in the table below.

II-27a. **Purchases: *Unfinished* fluid end blocks.—Continued**

Quantity (in units) and Value (in \$1,000s)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Purchases from U.S. importers<sup>1</sup> of unfinished fluid end blocks from—</b>					
China:					
<i>Quantity</i>					
<i>Value</i>					
Germany:					
<i>Quantity</i>					
<i>Value</i>					
India:					
<i>Quantity</i>					
<i>Value</i>					
Italy:					
<i>Quantity</i>					
<i>Value</i>					
All other sources:					
<i>Quantity</i>					
<i>Value</i>					
<b>Purchases from domestic producers<sup>2</sup></b>					
<i>Quantity</i>					
<i>Value</i>					
<b>Purchases from other sources<sup>3</sup></b>					
<i>Quantity</i>					
<i>Value</i>					
<p><sup>1</sup> Please list the name of the importer(s) from which your firm purchased this product. If your firm's import suppliers differ by source, please identify the source for each listed supplier: _____.</p> <p><sup>2</sup> Please list the name of the U.S. producer(s) from which your firm purchased this product: _____.</p> <p><sup>3</sup> Please list the name of the firm(s) from which your firm purchased this product: _____.</p>					



II-27b. **Purchases: *Finished fluid end blocks.***

Quantity (in units) and Value (in \$1,000s)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Purchases from U.S. importers<sup>1</sup> of finished fluid end blocks from—</b>					
China:					
Quantity					
Value					
Germany:					
Quantity					
Value					
India:					
Quantity					
Value					
Italy:					
Quantity					
Value					
All other sources:					
Quantity					
Value					
<b>Purchases from domestic producers<sup>2</sup></b>					
Quantity					
Value					
<b>Purchases from other sources<sup>3</sup></b>					
Quantity					
Value					
<sup>1</sup> Please list the name of the importer(s) from which your firm purchased this product. If your firm's import suppliers differ by source, please identify the source for each listed supplier: _____. <sup>2</sup> Please list the name of the U.S. producer(s) from which your firm purchased this product: _____. <sup>3</sup> Please list the name of the firm(s) from which your firm purchased this product: _____.					

II-28. **Imports.**--Since January 1, 2017, has your firm imported fluid end blocks?

**"Importer"** – The person or firm primarily liable for the payment of any duties on the merchandise, or an authorized agent acting on his behalf. The importer may be the consignee, or the importer of record.

<b>No</b>	<b>Yes</b>	
<input type="checkbox"/>	<input type="checkbox"/>	
If yes-- <b><u>COMPLETE AND RETURN A U.S. IMPORTERS' QUESTIONNAIRE</u></b>		

- II-29. **Other explanations.**--If your firm would like to further explain a response to a question in Part II for which a narrative box was not provided, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

--

**PART III.--FINANCIAL INFORMATION**

Address questions on this part of the questionnaire to **Joanna Lo (202-205-1888, [joanna.lo@usitc.gov](mailto:joanna.lo@usitc.gov))**.

III-1a. **Contact information.**--Please identify the responsible individual and the manner by which Commission staff may contact that individual regarding the confidential information submitted in part III.

Name	
Title	
Email	
Telephone	

III-2. **Accounting system.**—Please provide the following information on your firm’s financial accounting system.

A. When does your firm’s fiscal year end (month and day)? \_\_\_\_\_  
 If your firm’s fiscal year changed during the data-collection period, explain below:

\_\_\_\_\_

Note.--Please all financial data in part III on a calendar year basis.

B.1. Describe the lowest level of operations (e.g., plant, division, company-wide) for which financial statements are prepared that include fluid end blocks:

\_\_\_\_\_

2. Does your firm prepare profit/loss statements for fluid end blocks:  
 Yes       No
3. How often did your firm (or parent company) prepare financial statements (including annual reports, 10Ks)? Please check relevant items below.  
 Audited,    unaudited,    annual reports,    10Ks,    10Qs,  
 Monthly,    quarterly,    semi-annually,    annually
4. Accounting basis:  GAAP,    IFRS,    cash,    tax, or    other comprehensive basis of accounting (specify) \_\_\_\_\_

*Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the financial data, as Commission staff may contact your firm regarding questions on the financial data. The Commission may also request that your company submit copies of the supporting documents/records (financial statements, including internal profit-and-loss statements for the division or product group that includes fluid end blocks, as well as specific statements and worksheets) used to compile these data.*

III-3. **Cost accounting system.**--Briefly describe your firm’s cost accounting system (e.g., standard cost, job order cost, etc.). If your firm uses standard cost, how often does your firm review variances from standard cost (e.g. monthly, yearly)?

III-4. **Allocation basis.**--Briefly describe your firm's allocation basis, if any, for COGS, SG&A, and interest expense and other income and expenses. Please also describe the method and types of documents/records used to compile your financial data.

--

III-5a. **Product listing.**--Please list the products your firm produced in the facilities in which your firm produced fluid end blocks and provide the share of net sales accounted for by these products in calendar year 2019.

<b>Products</b>	<b>Share of sales in 2019</b>
Fluid end blocks	%
	%
	%
	%
	%

III-5b. **In-scope product mix.**--

(a) **Number of types fluid end blocks sold.**--Please report the number of unique SKUs of in-scope products sold by your firm in 2019 and explain the manner and extent to which customers influence the requirements of products sold.

Item	1-9 products	10-99 products	100-999	1,000 or more	Explanation and factors
In-scope product sold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(b) **Change in product mix.**--Did the product mix sold change materially year to year?

Item	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
In-scope product sold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-6. **Inputs from related suppliers.**--Does your firm purchase **inputs** (raw materials, labor, energy, or any services) used in the production of fluid end blocks from any related suppliers (e.g., inclusive of transactions between related firms, divisions and/or other components within the same company)?

<b>Yes--Continue to question III-7</b>	<b>No—Skip to question III-9a.</b>
<input type="checkbox"/>	<input type="checkbox"/>

III-7. **Inputs from related suppliers detailed.**--Please identify the inputs used in the production of fluid end blocks that your firm purchases from related suppliers and that are reflected in question III-9b. For “Share of total COGS” please report this information by relevant input on the basis of calendar year 2019. For “Input valuation” please describe the basis, as recorded in your company’s own accounting system, of the purchase cost from the related supplier; e.g., the related supplier’s actual cost, cost plus, negotiated transfer price to approximate fair market value.

Input	Related supplier	Share of total COGS in 2019
<b>Input valuation as recorded in the firm’s accounting books and records:</b>		

III-8. **Inputs purchased from related suppliers.**--Please confirm that the inputs purchased from related suppliers, as identified in III-7, are reported in III-9b (financial results on fluid end blocks) in a manner consistent with your firm’s accounting books and records.

<b>Yes</b>	<b>No</b>	<b>If no--In the space below, please report the valuation basis of inputs purchased from related suppliers as reported in question III-9a.</b>
<input type="checkbox"/>	<input type="checkbox"/>	

III-9a. **Nature of fluid end blocks operations (non-toll).**--Please check the appropriate box to indicate that nature of the financial data provided in this section of the questionnaire. **Do not report any tolling operations in PART III. If you are strictly a toller, go to PART V of this questionnaire.**

<b>Forger/integrated producer</b>	<b>Finishing/machining-only producer</b>
<input type="checkbox"/> Go to the next question.	<input type="checkbox"/> Skip questions III-9b to III-9i and go to question III-10a.

III-9b. **FORGER/INTEGRATED PRODUCER: Operations on fluid end blocks (non-toll).**--Report the revenue and related cost information requested below on the non-toll fluid end block operations of your firm's U.S. establishment(s).<sup>1</sup> Financial results related to tolling operations should be reported in part V. **Do not report resales of fluid end blocks.** Note that internal consumption and transfers to related firms must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records and listed in question III-7. Provide data for 2017, 2018, 2019, and for the specified interim periods.

Quantity ( <i>in units</i> ) and value (in \$1,000)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Net sales quantities:</b> <sup>2</sup>					
Commercial sales ("CS") (A)					
Internal consumption ("IC") (B)					
Transfers to related firms ("Transfers") (C)					
Total net sales quantities (D)	0	0	0	0	0
<b>Net sales values:</b> <sup>2</sup>					
Commercial sales (E)					
Internal consumption (F)					
Transfers to related firms (G)					
Total net sales values (H)	0	0	0	0	0
<b>Cost of goods sold (COGS):</b> <sup>3</sup>					
Raw materials (I)					
Energy costs (J)					
Direct labor (K)					
Other factory costs (L)					
Total COGS (M)	0	0	0	0	0
<b>Gross profit or (loss) (N)</b>	0	0	0	0	0
<b>Selling, general, and administrative (SG&amp;A) expenses (O)</b>					
<b>Operating income (loss) (P)</b>	0	0	0	0	0
<b>Other expenses and income:</b>					
Interest expense (Q)					
All other expense items (R)					
All other income items (S)					
<b>Net income or (loss) (T)</b>	0	0	0	0	0
<b>Depreciation/amortization (U)</b>					

<sup>1</sup> Include only sales (whether domestic or export) and costs related to your U.S. manufacturing operations.  
<sup>2</sup> Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire.  
<sup>3</sup> COGS (whether for domestic or export sales) should include costs associated with CS, IC, and Transfers.

*Note --The table above contains calculations that will appear when you have entered data in the MS Word form fields.*

III-9c. **FORGER/INTEGRATED PRODUCER: Financial data checklist.**--Please check that the financial data in question III-9b have been correctly reported.

<b>Confirm the following regarding your financial data in question III-9b:</b>	<b>√ if Yes</b>
In \$1,000 dollars ( <i>not</i> actual dollars)?	<input type="checkbox"/>
Include only the in-scope product?	<input type="checkbox"/>
Did not include any resales of fluid end blocks?	<input type="checkbox"/>
IC and transfers to related firms reported at fair market value?	<input type="checkbox"/>
Net Sales (CS, IC, and Transfers) <b>exclude</b> discounts, returns, allowances, prepaid freight, and all freight out to customers?	<input type="checkbox"/>
COGS excludes finished goods freight to customers?	<input type="checkbox"/>
SG&A excludes finished goods freight to customers?	<input type="checkbox"/>
All costs exclude finished goods freight to customers?	<input type="checkbox"/>
<b>If you did not √ Yes in any of the boxes above, go back to III-9b and revise your responses.</b>	

III-9d. **FORGER/INTEGRATED PRODUCER: Financial data reconciliation.**--The calculable line items from question III-9b (i.e., total net sales quantities (row D) and values (row H), total COGS (row M), gross profit or loss (row N), SG&A (row O), operating income (or loss) (row P), and net income or loss (row T)) have been calculated from the data submitted in the other line items. Do the calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding?

<b>Yes</b>	<b>No</b>	<b>If no--</b> If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise. If after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist please identify and discuss the differences in the space below.
<input type="checkbox"/>	<input type="checkbox"/>	

III-9e. **FORGER/INTEGRATED PRODUCER: Raw materials.**--Please report the share of total raw material costs in 2019 (reported in III-9b, row I) for the raw material inputs listed below.

Note.--Energy costs should be reported in question III-9a (row J) and not in raw materials.

Input	Share of total raw material costs in 2019 (percent)
Stainless steel ingots	
Non-stainless steel ingots	
Other material inputs <sup>1</sup>	
Total (should sum to 100 percent)	0.0
<sup>1</sup> Please list notable "other" material inputs above and provide the share of the total material costs account for by each notable "other" materials in 2019 (e.g., "Nickel, 5% of total raw materials"): _____.	

III-9f. **FORGER/INTEGRATED PRODUCER: Procurement of raw materials.**--Please report the procurement method of raw materials in 2019 (reported in III-9b, row I) for the raw material inputs listed below.

Note.--The term "your firm" should include only the facilities listed in question I-2 and reflect the raw materials reported in question III-9b. If you procured raw materials from related firms, check "primarily purchased by your firm" below and ensure that you included the raw material input from related firms are reported earlier in question III-7.

**CHECK ONLY ONE BOX.** For example, if you produced and purchased stainless steel ingots, please check the box that indicate your firm's **primary** source.

Input	Procurement method in 2019	
	Primarily produced by your firm <sup>1</sup>	Primarily purchased by your firm <sup>2</sup>
Stainless steel ingots	<input type="checkbox"/>	<input type="checkbox"/>
Non-stainless steel ingots	<input type="checkbox"/>	<input type="checkbox"/>
Other material inputs	<input type="checkbox"/>	<input type="checkbox"/>
<sup>1</sup> The facilities that produced the raw material as part of "your firm" should be listed in question I-2. If not, please explain: _____. <sup>2</sup> Purchases include those from related (reported in question III-7) and unrelated companies.		



III-9g. **FORGER/INTEGRATED PRODUCER: Raw materials checklist.**--Please check that the raw materials information in questions III-9e and III-9f have been correctly reported.

<b>Confirm the following regarding your responses in questions III-9e and III-9f:</b>	<b>√ if Yes</b>
Include only raw materials used for fluid end blocks?	<input type="checkbox"/>
Reflect the raw materials reported in question III-9b, row 1?	<input type="checkbox"/>
Inputs “produced by your firm” are from the facilities listed in question I-2 and not separate legal entities with common ownership or other affiliation?	<input type="checkbox"/>
Inputs purchased from related companies are purchases listed in question III-7?	<input type="checkbox"/>
“Other” raw materials, if any, are specified and listed in question III-9e, footnote 1?	<input type="checkbox"/>
Total sums to 100 percent in question III-9e?	<input type="checkbox"/>
<b>If you did not √ Yes in any of the boxes above, go back to III-9e or III-9f and revise your responses.</b>	

III-9h. **FORGER/INTEGRATED PRODUCER: Emission allowance costs.**--Please report your firm’s total costs for greenhouse gas (GHG)/carbon dioxide (CO<sub>2</sub>) emission allowances/certificates covering emissions for 2017, 2018, and 2019.

<b>Value (in \$1,000)</b>			
<b>Item</b>	<b>Calendar years</b>		
	<b>2017</b>	<b>2018</b>	<b>2019</b>
Emission allowances/certificates <sup>1 2</sup>			
<sup>1</sup> List the jurisdiction requiring the allowances/certificates: <sup>2</sup> Indicate the specific line item in question III-9b where the emission allowance costs are classified (e.g., “energy costs”):			

II-9i. **FORGER/INTEGRATED PRODUCER: Explanation of trends.**-- Please indicate what decisions, events, or factors impacted or explained the trend in the following metrics reported in question III-9b from 2017 to 2019 and between the interim periods. For “average unit values” (calculated from data in III-9b), please include information that may have impacted per unit sales and costs, e.g., product mix variations.

<b>Metric in III-9b</b>	<b>Explanation of trend from 2017 to 2019 and between interim periods</b>
Net sales quantity	
Net sales values	
Raw material costs	
Energy costs	
Direct labor costs	
Other factory costs	
SG&A expenses	
Average unit values (calculated)	

III-10a. **FINISHING/MACHINING-ONLY: Operations on fluid end blocks (non-toll).**--Report the revenue and related cost information requested below on the non-toll fluid end block finishing/machining operations of your firm's U.S. establishment(s).<sup>1</sup> Financial results related to tolling operations should be reported in PART V. **Do not report resales of fluid end blocks.** Note that internal consumption and transfers to related firms must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records and listed in question III-7. Provide data for 2017, 2018, 2019, and for the specified interim periods.

Quantity ( <i>in units</i> ) and value ( <i>in \$1,000</i> )					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Net sales quantities:</b> <sup>2</sup>					
Commercial sales ("CS") (A)					
Internal consumption ("IC") (B)					
Transfers to related firms ("Transfers") (C)					
Total net sales quantities (D)	0	0	0	0	0
<b>Net sales values:</b> <sup>2</sup>					
Commercial sales (E)					
Internal consumption (F)					
Transfers to related firms (G)					
Total net sales values (H)	0	0	0	0	0
<b>Cost of goods sold (COGS):</b> <sup>3</sup>					
Raw materials: Domestic FEBs (I)					
Raw materials: Subject FEBs (J)					
Raw materials: Non-subject FEBs (K)					
Energy costs (L)					
Direct labor (M)					
Other factory costs (N)					
Total COGS (O)	0	0	0	0	0
<b>Gross profit or (loss) (P)</b>	0	0	0	0	0
<b>Selling, general, and administrative (SG&amp;A) expenses (Q)</b>					
<b>Operating income (loss) (R)</b>	0	0	0	0	0
<b>Other expenses and income:</b>					
Interest expense (S)					
All other expense items (T)					
All other income items (U)					
<b>Net income or (loss) (V)</b>	0	0	0	0	0
<b>Depreciation/amortization (W)</b>					

<sup>1</sup> Include only sales (whether domestic or export) and costs related to your U.S. manufacturing operations.  
<sup>2</sup> Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire.  
<sup>3</sup> COGS (whether for domestic or export sales) should include costs associated with CS, IC, and Transfers.

*Note --The table above contains calculations that will appear when you have entered data in the MS Word form fields.*

III-10b. **FINISHING/MACHINING-ONLY: Financial data checklist.**--Please check that the financial data in question III-10a have been correctly reported.

<b>Confirm the following regarding your financial data in question III-10a:</b>	<b>√ if Yes</b>
In \$1,000 dollars ( <i>not</i> actual dollars)?	<input type="checkbox"/>
Include only the in-scope product?	<input type="checkbox"/>
Did not include any resales of fluid end blocks?	<input type="checkbox"/>
IC and transfers to related firms reported at fair market value?	<input type="checkbox"/>
Net Sales (CS, IC, and Transfers) <b>exclude</b> discounts, returns, allowances, prepaid freight, and all freight out to customers?	<input type="checkbox"/>
COGS excludes finished goods freight to customers?	<input type="checkbox"/>
SG&A excludes finished goods freight to customers?	<input type="checkbox"/>
All costs exclude finished goods freight to customers?	<input type="checkbox"/>
<b>If you did not √ Yes in any of the boxes above, go back to III-10a and revise your responses.</b>	

III-10c. **FINISHING/MACHINING-ONLY: Financial data reconciliation.**--The calculable line items from question III-10a (i.e., total net sales quantities (row D) and values (row H), total COGS (row O), gross profit or loss (row P), total SG&A (row Q), operating income (or loss) (row R), and net income or loss (row V)) have been calculated from the data submitted in the other line items. Do the calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding?

<b>Yes</b>	<b>No</b>	<b>If no--</b> If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise. If after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist please identify and discuss the differences in the space below.
<input type="checkbox"/>	<input type="checkbox"/>	

III-10d. **FINISHING/MACHINING-ONLY: Emission allowance costs.**--Please report your firm's total costs for greenhouse gas (GHG)/carbon dioxide (CO<sub>2</sub>) emission allowances/certificates covering emissions for 2017, 2018, and 2019.

<b>Value (in \$1,000)</b>			
<b>Item</b>	<b>Calendar years</b>		
	<b>2017</b>	<b>2018</b>	<b>2019</b>
Emission allowances/certificates <sup>1 2</sup>			
<sup>1</sup> List the jurisdiction requiring the allowances/certificates: <sup>2</sup> Indicate the specific line item in question III-10a where the emission allowance costs are classified (e.g., "energy costs"):			

II-10e. **FINISHING/MACHINING-ONLY: Explanation of trends.**-- Please indicate what decisions, events, or factors impacted or explained the trend in the following metrics reported in question III-10a from 2017 to 2019 and between the interim periods. For “average unit values” (calculated from data in III-10a), please include information that may have impacted per unit sales and costs, e.g., product mix variations.

<b>Metric in III-10a</b>	<b>Explanation of trend from 2017 to 2019 and between interim periods</b>
Net sales quantity	
Net sales values	
Raw material costs (any source)	
Energy costs	
Direct labor costs	
Other factory costs	
SG&A expenses	
Average unit values (calculated)	

III-11a. **ALL PRODUCERS: Nonrecurring items (charges and gains) included in the subject product financial results.**--For each annual and interim period for which financial results are reported in question III-9b, please specify all material (significant) nonrecurring items (charges and gains) in the schedule below, the specific questions III-9b or III-10a line item where the nonrecurring items are included, a brief description of the relevant nonrecurring items, and the associated values (*in \$1,000*), as reflected in questions III-9b or III-10a; i.e., if an aggregate nonrecurring item has been allocated to questions III-9b or III-10a, only the allocated value amount included in questions III-9b or III-10a should be reported in the schedule below. Note: The Commission's objective here is to gather information only on material (significant) nonrecurring items which impacted the reported financial results of the subject product in questions III-9b or III-10a.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
	<b>Value (\$1,000)</b>				
Nonrecurring item 1					
Nonrecurring item 2					
Nonrecurring item 3					
Nonrecurring item 4					
Nonrecurring item 5					
Nonrecurring item 6					
Nonrecurring item 7					

**Nonrecurring item:** In this table please provide a brief description of each nonrecurring item reported above and indicate the specific line item in questions III-9b or III-10a where the nonrecurring item is classified.

	Description of the nonrecurring item	Income statement classification of the nonrecurring item and row letter in III-9b/III-10a
Nonrecurring item 1		
Nonrecurring item 2		
Nonrecurring item 3		
Nonrecurring item 4		
Nonrecurring item 5		
Nonrecurring item 6		
Nonrecurring item 7		

III-11b. **ALL PRODUCERS: Classification of identified nonrecurring items (charges and gains) in the accounting books and records of the company.**--If non-recurring items were reported in question III-11a above, please identify where your company recorded these items in your accounting books and records in the normal course of business; i.e., just as responses to question III-11a identify where these items are reported in questions III-9b or III-10a.

III-12a. **ALL PRODUCERS: Asset values.**--Report the total assets (i.e., both current and long-term assets) associated with the production, warehousing, and sale of fluid end blocks. If your firm does not maintain some or all of the specific asset information necessary to calculate total assets for fluid end blocks in the normal course of business, please estimate this information based upon a method (such as production, sales, or costs) that is consistent with relevant cost allocations in question III-9b. Provide data for 2017, 2018, and 2019.

**Note:** Total assets should reflect net assets after any accumulated depreciation and allowances deducted. Total assets should be allocated to the subject products if these assets are also related to other products.

Value (in \$1,000)			
Item	Calendar years		
	2017	2018	2019
<b>FORGERS/INTEGRATED:</b> Total assets (net)			
<b>FINISHING/MACHING-ONLY:</b> Total assets (net)			

III-12b. **ALL PRODUCERS: Description of reported assets.**--Please describe the main asset categories (both current and long-term assets) in the above response. Provide a brief explanation if there are any substantial changes in total asset value during the period; e.g., due to asset write-offs, revaluation, and major purchases.

III-13a. **ALL PRODUCERS: Capital expenditures and research and development expenses.**--Report your firm's capital expenditures and research and development ("R&D") expenses for fluid end blocks. Provide data for 2017, 2018, 2019, and for the specified interim periods.

Value (in \$1,000)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>FORGERS/INTEGRATED:</b>					
Capital expenditures					
R&D expenses					
<b>FINISHING/MACHING-ONLY:</b>					
Capital expenditures					
R&D expenses					

III-13b. **ALL PRODUCERS: Description of reported capital expenditures.**--Please describe the nature, focus, and significance of your firm's reported capital expenditures as it relates to fluid end blocks. If no capital expenditure data are reported, please explain the reason.

III-13c. **ALL PRODUCERS: Description of reported R&D expenses.**--Please describe the nature, focus, and significance of your firm's reported R&D expenses as it relates to fluid end blocks. If no R&D expenses are reported, please explain the reason.

--

III-13d. **ALL PRODUCERS: Assets, capital expenditures, and R&D checklist.**--Please check that the assets, capital expenditures, and R&D information in questions III-12a, III-12b, III-13a, III-13b, and III-13c are complete.

<b>Confirm the following regarding your responses in questions III-12a, III-12b, III-13b, and III-13c:</b>	<b>✓ if Yes</b>
Net assets (current and long-term) are completed for 2017, 2018, and 2019 in question III-12a?	<input type="checkbox"/>
Top assets are listed in question III-12b?	<input type="checkbox"/>
Substantial changes in assets are described in question III-12b, if applicable?	<input type="checkbox"/>
Capital expenses are described in question III-13b?	<input type="checkbox"/>
R&D are described in question III-13c?	<input type="checkbox"/>
Provided explanations in questions III-13b or III-13c if your firm did not have capital expenditures or R&D?	<input type="checkbox"/>
<b>If you did not ✓ Yes in any of the boxes above, go back to question III-11b, III-12b, and/or II-12c and update your responses.</b>	

III-14. **ALL PRODUCERS: Data consistency and reconciliation.**—Please note that we are requesting your firm’s financial data for questions III-9b (forgers/integrated) or III-10a (finishing/machining), III-12a, and III-13a on a calendar year basis. Please confirm that your firm reported these data on a calendar-year basis:

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

Please note the quantities and values reported in question III-9b should reconcile with the data reported in question II-11 (including export shipments) as long as they are reported on the same calendar year basis.

*RECONCILIATION OF TRADE VS FINANCIAL DATA (forger/integrated producer).--Please ensure that the quantities and values reported for total shipments in part II equal the quantities and values reported for total net sales in part III of this questionnaire in each time period. If the calculated fields below return values other than zero (i.e., "0") and both are being reported on a calendar basis, please explain the discrepancy below.*

Reconciliation	Calendar year			January-June	
	2017	2018	2019	2019	2020
<b>Quantity:</b> Trade data from question II-11 (lines D, F, H, and J) less financial total net sales quantity data from question III-9b (row D) = zero ("0").	0	0	0	0	0
<b>Value:</b> Trade data from question II-11 (lines E, G, I, and K) less financial total net sales value data from question III-9b (row H) = zero ("0").	0	0	0	0	0

Do these data in question III-9b reconcile with data in question II-11?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	



**III-14. ALL PRODUCERS: Data consistency and reconciliation.--Continued**

*RECONCILIATION OF TRADE VS FINANCIAL DATA (finishing/machining-only producer).--Please ensure that the quantities and values reported for total shipments in part II equal the quantities and values reported for total net sales in part III of this questionnaire in each time period. If the calculated fields below return values other than zero (i.e., "0") and both are being reported on a calendar basis, please explain the discrepancy below.*

Reconciliation	Calendar year			January-June	
	2017	2018	2019	2019	2020
<b>Quantity:</b> Trade data from question II-21 (lines D, F, H, and J) less financial total net sales quantity data from question III-10a (row D) = zero ("0").	0	0	0	0	0
<b>Value:</b> Trade data from question II-21 (lines E, G, I, and K) less financial total net sales value data from question III-10a (row H) = zero ("0").	0	0	0	0	0

Do these data in question III-10a reconcile with data in question II-21?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

If your responses to any of the items in questions III-15, III-16, and III-17 differ by country, please describe these differences and, as applicable, indicate which country or countries your response refers to in the relevant form fields.

III-15. **ALL PRODUCERS: Effects of imports on investment.**--Since January 1, 2017, has your firm experienced any actual negative effects on its return on investment or the scale of capital investments as a result of imports of fluid end blocks from China, Germany, India, and Italy?

<b>No</b>	<b>Yes</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<b>If yes, my firm has experienced actual negative effects as follows.</b>

	<i>(check as many as appropriate)</i>	<i>(please describe)</i>
<input type="checkbox"/>	Cancellation, postponement, or rejection of expansion projects	
<input type="checkbox"/>	Denial or rejection of investment proposal	
<input type="checkbox"/>	Reduction in the size of capital investments	
<input type="checkbox"/>	Return on specific investments negatively impacted	
<input type="checkbox"/>	Other	

III-16. **ALL PRODUCERS: Effects of imports on growth and development.**--Since January 1, 2017, has your firm experienced any actual negative effects on its growth, ability to raise capital, or existing development and production efforts (including efforts to develop a derivative or more advanced version of the product) as a result of imports of fluid end blocks from China, Germany, India, and Italy?

<b>No</b>	<b>Yes</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<b>If yes, my firm has experienced actual negative effects as follows.</b>

<i>(check as many as appropriate)</i>		<i>(please describe)</i>
<input type="checkbox"/>	Rejection of bank loans	
<input type="checkbox"/>	Lowering of credit rating	
<input type="checkbox"/>	Problem related to the issue of stocks or bonds	
<input type="checkbox"/>	Ability to service debt	
<input type="checkbox"/>	Other	

III-17. **ALL PRODUCERS: Anticipated effects of imports.**--Does your firm anticipate any negative effects due to imports of fluid end blocks from China, Germany, India, and Italy?

<b>No</b>	<b>Yes</b>	<b>If yes, my firm anticipates negative effects as follows.</b>
<input type="checkbox"/>	<input type="checkbox"/>	

III-18. **ALL PRODUCERS: Other explanations.**--If your firm would like to further explain a response to a question in Part III for which a narrative box was not provided, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

--

**PART IV.--PRICING AND MARKET FACTORS**

Further information on this part of the questionnaire can be obtained from Pamela Davis (202-205-2218, [Pamela.Davis@usitc.gov](mailto:Pamela.Davis@usitc.gov)).

IV-1. **Contact information.**--Please identify the individual that Commission staff may contact regarding the confidential information submitted in part IV.

Name	
Title	
Email	
Telephone	

**PRICE DATA**

IV-2. This question requests quarterly quantity and value data for your firm's commercial shipments to unrelated U.S. customers since January 1, 2017 of the following products produced by your firm.

- **Product 1.**-- 4330mod Drilled Quint. Quintuplex fluid end block that has been drilled and rough machined, made of forged alloy steel, with a chromium content between 1.30% and 1.65%, a nickel content between 2.90% and 3.60%, and a net weight between 7,300 and 7,550 lbs. Do not include FEBs that have been more than rough machined (e.g., finish machining, prestressing, etc.).
- **Product 2.**--17-4 Solid Quint. Quintuplex fluid end block that has been rough machined but not drilled, made of forged stainless steel, with a chromium content between 14.50% and 18.00%, a nickel content between 2.90% and 5.10%, and a net weight between 7,500 and 9,300 lbs. Do not include FEBs that have been more than rough machined (e.g., finish machining, prestressing, etc.).
- **Product 3.**--15-5 Drilled Quint. Quintuplex fluid end block that has been drilled and rough machined, made of forged stainless steel, with a chromium content between 13.50% and 16.50%, a nickel content between 3.90% and 6.10%, and a net weight between 6,950 and 7,250 lbs. Do not include FEBs that have been more than rough machined (e.g., finish machining, prestressing, etc.).
- **Product 4.**-- 15-5 Drilled Quint. Quintuplex fluid end block that has been drilled and rough machined, undergone additional machining and finishing but not in a fully finished condition, made of forged stainless steel, with a chromium content between 13.50% and 16.50%, a nickel content between 3.90% and 6.10%, and a net weight between 4,000 and 4,700 lbs.
- **Product 5.**-- 4330mod Drilled Quint. Quintuplex fluid end block that has been drilled and finished machined, made of forged alloy steel, with a chromium content between 1.30% and 1.65%, a nickel content between 2.90% and 3.60%, and a net weight between 4,500 and 5,000 lbs.
- **Product 6.**-- 4330mod Drilled Mud Pump Block. Fluid end block that has been drilled with no more than one hole per face, rough machined, made of forged alloy steel, with a chromium content between 0.65% and 1.00%, a nickel content between 1.60% and 2.05%, and a net weight between 3,100 and 3,300 lbs. Do not include FEBs that have been more than rough machined (e.g., finish machining, prestressing, etc.).

**Please note that values should be f.o.b., U.S. point of shipment and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid to your firm (i.e., should be net of all deductions for discounts or rebates).**

IV-2a. During January 2017-June 2020, did your firm produce and sell to unrelated U.S. customers any of the above listed products (or any products that were competitive with these products)?

<input type="checkbox"/>	<b>Yes.</b> --Please complete the following pricing data tables as appropriate.
<input type="checkbox"/>	<b>No.</b> --Skip to question IV-3.

IV-2b. **Price data.**--Report below the quarterly price data<sup>1</sup> for pricing products<sup>2</sup> 1, 2, and 3 produced and sold by your firm.

Report data in **units** and **actual dollars** (not 1,000s).

<b>(Quantity in units, value in dollars)</b>						
<b>Period</b>	<b>Product 1</b>		<b>Product 2</b>		<b>Product 3</b>	
	<b>Quantity</b>	<b>Value<sup>1</sup></b>	<b>Quantity</b>	<b>Value<sup>1</sup></b>	<b>Quantity</b>	<b>Value<sup>1</sup></b>
<b>2017:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2018:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2019:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2020:</b>						
January-March						
April-June						

<sup>1</sup> Net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment.

<sup>2</sup> Pricing product definitions are provided on the first page of Part IV.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported pricing data.

Product 1:  
Product 2:  
Product 3:



IV-2b. **Price data.**--Continued. Report below the quarterly price data<sup>1</sup> for pricing products<sup>2</sup> 4, 5, and 6 produced and sold by your firm.

Report data in **units** and **actual dollars** (not 1,000s).

<b>(Quantity in units, value in dollars)</b>						
<b>Period</b>	<b>Product 4</b>		<b>Product 5</b>		<b>Product 6</b>	
	<b>Quantity</b>	<b>Value<sup>1</sup></b>	<b>Quantity</b>	<b>Value<sup>1</sup></b>	<b>Quantity</b>	<b>Value<sup>1</sup></b>
<b>2017:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2018:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2019:</b>						
January-March						
April-June						
July-September						
October-December						
<b>2020:</b>						
January-March						
April-June						

<sup>1</sup> Net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment.

<sup>2</sup> Pricing product definitions are provided on the first page of Part IV.

**Note.**--If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of your firm's product. Also, please explain any anomalies in your firm's reported pricing data.

Product 4:

Product 5:

Product 6:

IV-2c. **Price data checklist.**--Please check that the pricing data in question IV-2(b) has been correctly reported.

Are the price data reported above:	<b>v if Yes</b>
In actual dollars ( <b>not</b> \$1,000)?	<input type="checkbox"/>
F.o.b. U.S. point of shipment (i.e., does not include U.S. transport costs)?	<input type="checkbox"/>
Net of all discounts and rebates?	<input type="checkbox"/>
Have discounts, rebates, and returns been credited to the quarter in which the sale occurred?	<input type="checkbox"/>
Less than reported commercial shipments in question II-7 or II-13 in each year?	<input type="checkbox"/>

IV-2d. **Pricing data methodology.**--Please describe the method and the kinds of documents/records that were used to compile your price data.

*Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the price data, as Commission staff may contact your firm regarding questions on the price data. The Commission may also request that your company submit copies of the supporting documents/records (such as sales journal, invoices, etc.) used to compile these data.*

IV-3. **Price setting.**--How does your firm determine the prices that it charges for sales of fluid end blocks (*check all that apply*)? If your firm issues price lists, please submit sample pages of a recent list.

Transaction by transaction	Contracts	Set price lists	Other	If other, describe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-4. **Discount policy.**--Please indicate and describe your firm's discount policies (*check all that apply*).

Quantity discounts	Annual total volume discounts	No discount policy	Other	Describe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-5. **Pricing terms.**--On what basis are your firm's prices of domestic fluid end blocks usually quoted (*check one*)?

Delivered	F.o.b.	If f.o.b., specify point
<input type="checkbox"/>	<input type="checkbox"/>	

IV-6. **Contract versus spot.**--Approximately what share of your firm's sales of its U.S.-produced fluid end blocks in 2019 was on a (1) short-term contract basis, (2) annual contract basis, (3) long-term contract basis, and (4) spot sales basis?

Item	Type of sale				Total (should sum to 100.0%)
	Short-term contracts (multiple deliveries for less than 12 months)	Annual contracts (multiple deliveries for 12 months)	Long-term contracts (multiple deliveries for more than 12 months)	Spot sales (for a single delivery)	
Share of 2019 sales	%	%	%	%	0.0 %

IV-7. **Contract provisions.**--Please fill out the table regarding your firm's typical sales contracts for U.S.-produced fluid end blocks (or check "not applicable" if your firm does not sell on a short-term, annual and/or long-term contract basis).

<b>Typical sales contract provisions</b>	<b>Item</b>	<b>Short-term contracts</b> (multiple deliveries for less than 12 months)	<b>Annual contracts</b> (multiple deliveries for 12 months)	<b>Long-term contracts</b> (multiple deliveries for more than 12 months)
Average contract duration	<i>No. of days</i>		365	
Price renegotiation (during contract period)	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed quantity and/or price	<i>Quantity</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Price</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Both</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indexed to raw material costs <sup>1</sup>	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<sup>1</sup> Please identify the indexes used: _____.				

IV-8. **Lead times.**--What is your firm's share of sales from inventory and produced to order and what is the typical lead time between a customer's order and the date of delivery for your firm's sales of its U.S.-produced fluid end blocks?

<b>Source</b>	<b>Share of 2019 sales</b>	<b>Lead time (Average number of days)</b>
From inventory	%	
Produced to order	%	
<b>Total</b> (should sum to 100.0%)	0.0 %	

**IV-9. Shipping information.--**

(a) Who generally arranges the transportation to your firm's customers' locations?

Your firm     Purchaser (*check one*)

(b) Indicate the approximate percentage of your firm's sales of fluid end blocks that are delivered the following distances from its production facility.

<b>Distance from production facility</b>	<b>Share</b>
Within 100 miles	%
101 to 1,000 miles	%
Over 1,000 miles	%
<b>Total</b> (should sum to 100.0%)	0.0 %

**IV-10. Geographical shipments.--**In which U.S. geographic market area(s) has your firm sold its U.S.-produced fluid end blocks since January 1, 2017 (check all that apply)?

<b>Geographic area</b>	<b>v if applicable</b>
<b>Northeast.</b> —CT, ME, MA, NH, NJ, NY, PA, RI, and VT.	<input type="checkbox"/>
<b>Midwest.</b> —IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI.	<input type="checkbox"/>
<b>Southeast.</b> —AL, DE, DC, FL, GA, KY, MD, MS, NC, SC, TN, VA, and WV.	<input type="checkbox"/>
<b>Central Southwest.</b> —AR, LA, OK, and TX.	<input type="checkbox"/>
<b>Mountains.</b> —AZ, CO, ID, MT, NV, NM, UT, and WY.	<input type="checkbox"/>
<b>Pacific Coast.</b> —CA, OR, and WA.	<input type="checkbox"/>
<b>Other.</b> —All other markets in the United States not previously listed, including AK, HI, PR, and VI.	<input type="checkbox"/>

IV-11. **Inland transportation costs.**—What is the approximate percentage of the cost of U.S.-produced fluid end blocks that is accounted for by U.S. inland transportation costs? \_\_\_\_\_ percent

IV-12. **End uses.**--List the end uses of the fluid end blocks that your firm manufactures. For each end-use product, what percentage of the total cost is accounted for by fluid end blocks and other inputs?

End-use product	Share of total cost of end-use product accounted for by		Total (should sum to 100.0% across)
	Fluid end blocks	Other inputs	
Hydraulic fracturing pumps	%	%	0.0 %
Hydraulic mud pumps	%	%	0.0 %
Other (specify):			
	%	%	0.0 %
	%	%	0.0 %

IV-13. **Substitutes.**--Can other products be substituted for fluid end blocks?

No                       Yes--Please fill out the table.

Substitute	End use in which this substitute is used	Have changes in the price of this substitute affected the price for fluid end blocks?		
		No	Yes	Explanation
1.		<input type="checkbox"/>	<input type="checkbox"/>	
2.		<input type="checkbox"/>	<input type="checkbox"/>	
3.		<input type="checkbox"/>	<input type="checkbox"/>	

IV-14. **Demand trends.**--Indicate how demand within the United States and outside of the United States (if known) for fluid end blocks has changed since January 1, 2017. Explain any trends and describe the principal factors that have affected these changes in demand.

Market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
Within the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outside the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-15. **Product changes.**--Have there been any significant changes in the product range, product mix, or marketing of fluid end blocks since January 1, 2017?

No	Yes	If yes, please describe and quantify if possible.
<input type="checkbox"/>	<input type="checkbox"/>	

IV-16. **Product characteristics.** --

(a) Please list the most frequent application or most common environment for the fluid end blocks your firm imports.

Product	Application/Environment

(b) What is the lifecycle for this product in this environment? \_\_\_\_\_ weeks.

IV-17. **Conditions of competition.**--

(a) Is the fluid end blocks market subject to business cycles (other than general economy-wide conditions) and/or other conditions of competition distinctive to fluid end blocks? If yes, describe.

Check all that apply.	Please describe.
<input type="checkbox"/> <b>No</b>	Skip to question IV-16.
<input type="checkbox"/> <b>Yes-Business cycles (e.g. seasonal business)</b>	
<input type="checkbox"/> <b>Yes-Other distinctive conditions of competition</b>	

(b) If yes, have there been any changes in the business cycles or conditions of competition for fluid end blocks since January 1, 2017?

No	Yes	If yes, describe.
<input type="checkbox"/>	<input type="checkbox"/>	

IV-18. **Supply constraints.**--Has your firm refused, declined, or been unable to supply fluid end blocks since January 1, 2017 (examples include placing customers on allocation or "controlled order entry," declining to accept new customers or renew existing customers, delivering less than the quantity promised, being unable to meet timely shipment commitments, etc.)?

No	Yes	If yes, please describe.
<input type="checkbox"/>	<input type="checkbox"/>	

IV-19. **Raw materials.**--

(a) How have raw material costs for fluid end blocks changed since January 1, 2017?

Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explain, noting how raw material price changes have affected your firm's selling prices for fluid end blocks.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(b) How did the imposition of tariffs under section 232 on imported steel/aluminum products impact raw material costs for fluid end blocks?

Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explain, noting how the imposition of tariffs under section 232 has affected your firm's raw material costs for fluid end blocks.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(c) How did the imposition of tariffs under section 232 on imported steel/aluminum products impact your firm's sales price for fluid end blocks?

Factor	Overall increase	No change	Overall Decrease	Fluctuate with no clear trend	Explain, noting how the imposition of tariffs under section 232 has affected your firm's selling prices for fluid end blocks.
Prices for fluid end blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



IV-20. **Impact of section 301 tariffs.**-- Did the imposition of tariffs on Chinese-origin products under section 301 have an impact on the fluid end blocks market in the United States?

<b>Yes</b> — Please indicate the impact in the table below.	<b>No</b>	<b>Don't know</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Factor</b>	<b>Overall increase</b>	<b>No change</b>	<b>Overall decrease</b>	<b>Fluctuate with no clear trend</b>	<b>Explain, noting how the imposition of tariffs under section 301 affected each factor of the fluid end blocks market in the United States.</b>
Supply of U.S.-produced fluid end blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supply of fluid end blocks imported from China	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supply of fluid end blocks imported from other countries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Prices for fluid end blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overall U.S. demand for fluid end blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw material costs for fluid end blocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IV-21. **Interchangeability.**--Is fluid end blocks produced in the United States and in other countries interchangeable (i.e., can they physically be used in the same applications)?

Please indicate A, F, S, N, or O in the table below:

A = the products from a specified country-pair are *always* interchangeable

F = the products are *frequently* interchangeable

S = the products are *sometimes* interchangeable

N = the products are *never* interchangeable

O = *no familiarity* with products from a specified country-pair

<b>Country-pair</b>	China	Germany	India	Italy	Other countries
United States					
China	X				
Germany	X	X			
India	X	X	X		
Italy	X	X	X	X	
For any country-pair producing fluid end blocks that is <i>sometimes</i> or <i>never</i> interchangeable, identify the country-pair and explain the factors that limit or preclude interchangeable use:					

IV-22. **Factors other than price.**--Are differences other than price (e.g., quality, availability, transportation network, product range, technical support, etc.) between fluid end blocks produced in the United States and in other countries a significant factor in your firm's sales of the products?

Please indicate A, F, S, N, or O in the table below:

A = such differences are *always* significant

F = such differences are *frequently* significant

S = such differences are *sometimes* significant

N = such differences are *never* significant

O = *no familiarity* with products from a specified country-pair

<b>Country-pair</b>	China	Germany	India	Italy	Other countries
United States					
China	X				
Germany	X	X			
India	X	X	X		
Italy	X	X	X	X	
<p>For any country-pair for which factors other than price <i>always</i> or <i>frequently</i> are a significant factor in your firm's sales of fluid end blocks, identify the country-pair and report the advantages or disadvantages imparted by such factors:</p>					

IV-23. **Customer identification.**--List the names and contact information for your firm's 10 largest U.S. customers for fluid end blocks since January 1, 2017. Indicate the share of the quantity of your firm's total shipments of fluid end blocks that each of these customers accounted for in 2019.

	<b>Customer's name</b>	<b>City</b>	<b>State</b>	<b>Share of 2019 sales (%)</b>
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				
<b>7</b>				
<b>8</b>				
<b>9</b>				
<b>10</b>				

IV-24. **Competition from imports.--**

(a) **Lost revenue.**--Since January 1, 2017: To avoid losing sales to competitors selling fluid end blocks from China, Germany, India, and Italy, did your firm:

<b>Item</b>	<b>No</b>	<b>Yes</b>
Reduce prices	<input type="checkbox"/>	<input type="checkbox"/>
Roll back announced price increases	<input type="checkbox"/>	<input type="checkbox"/>

(b) **Lost sales.**--Since January 1, 2017: Did your firm lose sales of fluid end blocks to imports of this product from China, Germany, India, and Italy?

<b>No</b>	<b>Yes</b>
<input type="checkbox"/>	<input type="checkbox"/>

IV-25. **Other explanations.**--If your firm would like to further explain a response to a question in Part IV for which a narrative response box was not provided, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

--

**PART V.—TOLLING OPERATIONS**

Address questions on this part of the questionnaire to **Kristina Lara** (202-205-3386, [kristina.lara@usitc.gov](mailto:kristina.lara@usitc.gov)) and **Joanna Lo** (202-205-1888, [joanna.lo@usitc.gov](mailto:joanna.lo@usitc.gov)).

**“Toll agreement”**--Agreement between two firms whereby the first firm (**“TOLLEE”**) furnishes the raw materials and the second firm (**“TOLLER”**) uses the raw materials to produce a product that it then returns to the first firm with a charge for processing costs, overhead, etc.

V-1. **Finishing operations.**—Please check all of the finishing operations your firm performs in the production of fluid end blocks **under a toll agreement**. For each finishing operation checked, please provide an estimate of the finishing operation’s share of the total value of the fluid end blocks your firm produces in its finished form (i.e., ready for incorporation into a pump fluid end assembly without further finishing operations). If a given finishing operation’s value varies greatly depending on the fluid end block being produced (i.e., a variation of 10 percentage points or more), please provide a range, and explain the variation in footnote 1.

Finishing operations	(Check if generally conducted by your firm on its toll-finished fluid end block)	Estimate of the total value of the finished product added by the specified operation (percent) and explanation for any range estimates.
Milling of one or more flat surfaces	<input type="checkbox"/>	
Contour machining to custom shapes or dimensions	<input type="checkbox"/>	
Drilling or boring holes	<input type="checkbox"/>	
Heat treating	<input type="checkbox"/>	
Painting, varnishing, or coating	<input type="checkbox"/>	
Threading	<input type="checkbox"/>	
Other (please describe):	<input type="checkbox"/>	

V-2. **Finishing operations.**-- Please describe the nature and extent of the following activities in relation to your firm's **toll-based** finishing processing operations in the United States.

Capital investments	
Technical expertise <sup>1</sup>	
Value added	
Employment	
Quantity, type and source of parts	
Costs and activities	
<sup>1</sup> Please discuss both process expertise and employee expertise required by these operations.	

V-3. **Finishing-only capital investments.**--Please describe and quantify the amount of capital investments needed (from a greenfield investment standpoint) to finish fluid end blocks **under a toll agreement**. Do not include in this analysis any upstream forging machinery, or downstream end use machinery.

Value (in dollars)	
Description	

V-4. **Finishing-only processing operations' complexity and importance.**--On a scale of 1 to 5, please provide your firm's subjective opinion as to the complexity, intensity, and importance of finishing-only processing activities **under a toll agreement**. 1 is considered minimally complex, intense or important, while 5 is considered extremely complex, intense, and important.

<b>1:</b> Minimally complex, intense, and important	<b>2</b>	<b>3</b>	<b>4</b>	<b>5:</b> Extremely complex, intense, and important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Please describe the reason for your rating.				

V-5. **Production using same machinery: Toll finisher only companies.**--Please report your firm's production of products using the same equipment, machinery, or employees as used to produce/finish fluid end blocks, and the combined production capacity on this shared equipment, machinery, or employees in the periods indicated.

**"Overall production capacity" or "capacity"** – The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup).

**"Production"** – All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
	<b>Quantity (in pounds)</b>				
<b>Overall capacity<sup>1</sup></b>					
<b>Production of:</b>					
Fluid end blocks					
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
	<b>Quantity (in units)</b>				
<b>Overall capacity<sup>1 3</sup></b>					
<b>Production of:</b>					
Fluid end blocks <sup>4</sup>	0	0	0	0	0
Other products <sup>2</sup>					
Total production using same machinery or workers	0	0	0	0	0
<sup>1</sup> Data reported for capacity (first line) should be greater than data reported for total production (last line). <sup>2</sup> Please identify these products: _____. <sup>3</sup> If your firm reported producing/finished only fluid end blocks (i.e., no "other products" reported), the capacity number here should equal the capacity number reported in question V-6. <sup>4</sup> Data entered for production of fluid end blocks will populate here once reported in question V-6.					



V-6. **TOLLER: Trade data on operations.**—If your firm performed tolling operations on behalf of another firm (produced for the tollee), report your firm’s production capacity, production, shipments returned to the tollee, and employment related to the production of fluid end blocks in your firm’s U.S. establishment(s) during the specified periods.

<b>Quantity (in units) and value (in \$1,000)</b>					
<b>Item</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>Average production capacity</b> <sup>1</sup> (quantity) (A)					
<b>Production</b> (quantity) (B)					
<b>U.S. shipments returned to tollee:</b>					
<b>U.S. producers:</b>					
Quantity (C)					
Tolling fee(s) received (value) (D)					
<b>U.S. importers:</b>					
Quantity (E)					
Tolling fee(s) received (value) (F)					
<b>OEM firms that did not produce or import the FEB:</b>					
Quantity (G)					
Tolling fee(s) received (value) (H)					
<b>Employment data:</b>					
Average number of PRWs (number)					
Hours worked by PRWs (actual hours)					
Wages paid to PRWs (value)					
<sup>1</sup> The production capacity reported is based on operating _____ hours per week, _____ weeks per year. Please describe the methodology used to calculate production capacity and explain any changes in reported capacity (use additional pages as necessary). _____					

V-7. **TOLLER: Finishing operations on fluid end blocks.**--Report the revenue and related cost information requested below on the fluid end block tolling operations of your firm's U.S. establishment(s). The reported net sales values should be representative of the tolling fees received. **Do not include the value or the cost of the transferred inputs received from the tollee (i.e., the unfinished fluid end block) in your firm's reported financial performance data.**

Note.--Please note that we are requesting that your firm report financial data on a calendar year basis.

<b>Quantity (in units) and value (in \$1000)</b>					
<b>Item</b>	<b>Calendar years</b>			<b>January-June</b>	
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2019</b>	<b>2020</b>
<b>Net tolling quantities<sup>1</sup></b>					
<b>Net tolling values (tolling fees)<sup>1</sup></b>					
<b>Tolling and production costs:</b>					
Additional raw materials <sup>2</sup>					
Energy costs					
Direct labor					
Other factory costs					
Total tolling and production costs	0	0	0	0	0
<b>Gross profit or (loss)</b>	0	0	0	0	0
<b>Selling, general, and administrative (SG&amp;A) expenses:</b>					
Selling expenses					
General and administrative expenses					
Total SG&A expenses	0	0	0	0	0
<b>Operating income (loss)</b>	0	0	0	0	0
<b>Other expenses and income:</b>					
Interest expense					
All other expense items					
All other income items					
<b>Net income or (loss) before income taxes</b>	0	0	0	0	0
<b>Depreciation/amortization included above</b>					
<sup>1</sup> Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in question V-6. <sup>2</sup> Please describe these additional raw materials:                     .					

*Note--The table above contains calculations that will appear when you have entered data in the MS Word form fields.*

V-8. **TOLLER: Emission allowance costs.**—Please report your firm’s total costs for greenhouse gas (GHG)/carbon dioxide (CO2) emission allowances/certificates covering emissions for 2017, 2018, and 2019.<sup>43</sup>

<b>Value (in \$1,000)</b>			
<b>Item</b>	<b>Calendar years</b>		
	<b>2017</b>	<b>2018</b>	<b>2019</b>
Emission allowances/certificates <sup>1 2</sup>			
<sup>1</sup> List the jurisdiction requiring the allowances/certificates: <sup>2</sup> Indicate the specific line item in table V-7 where the emission allowance costs are classified (e.g., “energy costs”):			

V-9. **TOLLER: Financial data reconciliation.**--The calculable line items from question V-7 (i.e., total net sales quantities and values, total COGS, gross profit (or loss), total SG&A, and net income (or loss)) have been calculated from the data submitted in the other line items. Do the calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding?

		<b>If no--</b> If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise. Also, check signs accorded to the post operating income line items; the two expense line items should report positive numbers (i.e., expenses are positive and incomes or reversals are negative--instances of the latter should be rare in those lines) while the income line item also in most instances should have its value be a positive number (i.e., income is positive, expenses or reversals are negative). If after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist please identify and discuss the differences in the space below.
<b>Yes</b>	<b>No</b>	
<input type="checkbox"/>	<input type="checkbox"/>	

V-10. **TOLLER: Asset values.**--Report the total assets (i.e., both current and long-term assets) associated with the production, warehousing, and sale related to tolling operations of fluid end blocks. If your firm does not maintain some or all of the specific asset information necessary to calculate total assets for fluid end blocks in the normal course of business, please estimate this information based upon a method (such as production, sales, or costs) that is consistent with relevant cost allocations in question V-7.

**Note:** Total assets should reflect net assets after any accumulated depreciation and allowances deducted.

Total assets should be allocated to the subject products if these assets are also related to other products. Please provide a brief explanation if there are any substantial changes in total asset value during the period; e.g., due to asset write-offs, revaluation, and major purchases.

Value (in \$1,000)			
Item	Calendar years		
	2017	2018	2019
Total assets (net) <sup>1,2</sup>			
<sup>1</sup> List the top assets (e.g. accounts receivables, inventories, PP&E, intangibles): <sup>2</sup> Describe substantial changes in asset values:			

V-11. **TOLLER: Capital expenditures and R&D expenses.**--Report your firm's capital expenditures and R&D expenses related to tolling operations of fluid end blocks. Provide data for 2017, 2018, 2019, and for the specified interim periods.

Value (in dollars)					
Item	Calendar years			January-June	
	2017	2018	2019	2019	2020
Capital expenditures <sup>1</sup>					
R&D expenses <sup>2</sup>					
<sup>1</sup> Please describe the nature, focus, and significance of your firm's capital expenditures on the subject product. _____ <sup>2</sup> Please describe the nature, focus, and significance of your firm's R&D expenses related to subject product. _____					

V-12. **TOLLER: Data consistency and reconciliation.**--Please indicate whether your firm's financial data for questions V-7, V-9, V-10, and V-11 are based on a calendar year or on your firm's fiscal year:

Calendar year	Fiscal year	Specify fiscal year
<input type="checkbox"/>	<input type="checkbox"/>	

Please note the quantities and values reported in question V-7 should reconcile with the data reported in question V-6 as long as they are reported on the same calendar year basis.

***RECONCILIATION OF TRADE VS FINANCIAL DATA.**--Please ensure that the quantities and values reported for U.S. shipments returned to the tollee in V-6 equal the quantities and values reported for total net sales in V-7 of this questionnaire in each time period. If the calculated fields below return values other than zero (i.e., "0") and both are being reported on a calendar basis, please explain the discrepancy below.*

Reconciliation	Calendar years			January-June	
	2017	2018	2019	2019	2020
<b>Quantity:</b> Trade data from question V-6 (lines C, E, and G) less financial total net sales quantity data from question V-7 = zero ("0").	0	0	0	0	0
<b>Value:</b> Trade data from question V-6 (lines D, F, and H) less financial total net sales value data from question V-7 = zero ("0").	0	0	0	0	0

Do these data in question V-7 reconcile with data in question V-6?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

## HOW TO FILE YOUR QUESTIONNAIRE RESPONSE

This questionnaire is available as a “fillable” form in MS Word format on the Commission’s website at:

[https://www.usitc.gov/investigations/701731/2019/fluid\\_end\\_blocks\\_china\\_germany\\_india\\_and\\_italy/preliminary.htm](https://www.usitc.gov/investigations/701731/2019/fluid_end_blocks_china_germany_india_and_italy/preliminary.htm)

***Please do not attempt to modify the format or permissions of the questionnaire document.*** Please submit the completed questionnaire using one of the methods noted below. If your firm is unable to complete the MS Word questionnaire or cannot use one of the electronic methods of submission, please contact the Commission for further instructions.

- **Upload via Secure Drop Box.**—Upload the MS Word questionnaire along with a scanned copy of the signed certification page (page 1) through the Commission’s secure upload facility:

**Web address:** <https://dropbox.usitc.gov/oinv/>      **Pin:** **FEBS**

- **E-mail.**—E-mail the MS Word questionnaire to [kristina.lara@usitc.gov](mailto:kristina.lara@usitc.gov); include a scanned copy of the signed certification page (page 1). *Submitters are strongly encouraged to encrypt nonpublic documents that are electronically transmitted to the Commission to protect your sensitive information from unauthorized disclosure. The USITC secure drop-box system and the Electronic Document Information System (EDIS) use Federal Information Processing Standards (FIPS) 140-2 cryptographic algorithms to encrypt data in transit. Submitting your nonpublic documents by a means that does not use these encryption algorithms (such as by email) may subject your firm’s nonpublic information to unauthorized disclosure during transmission. If you choose a non-encrypted method of electronic transmission, the Commission warns you that the risk of such possible unauthorized disclosure is assumed by you and not by the Commission.*

**If your firm does not produce this product**, please fill out page 1, print, sign, and submit a scanned copy to the Commission.

***Parties to this proceeding.***—If your firm is a party to this proceeding, it is required to serve a copy of the completed questionnaire on parties to the proceeding that are subject to administrative protective order (see 19 CFR § 207.7). A list of such parties may be obtained from the Commission’s Secretary (202-205-1803). A certificate of service must accompany the completed questionnaire you submit (see 19 CFR § 207.7). Service of the questionnaire must be made in paper form.