



Canadian International
Trade Tribunal

Tribunal canadien du
commerce extérieur

CANADIAN
INTERNATIONAL
TRADE TRIBUNAL

Dumping and Subsidizing

DETERMINATION AND REASONS

Inquiry No. NQ-2008-003R

Aluminum Extrusions

*Determination and reasons issued
Thursday, February 10, 2011*

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IN THE MATTER OF an inquiry, under section 42 of the *Special Import Measures Act*, respecting the dumping and subsidizing of aluminum extrusions originating in or exported from the People's Republic of China;

AND FURTHER TO a decision of the Federal Court of Appeal, dated February 24, 2010, which set aside the decision of the Canadian International Trade Tribunal in Inquiry No. NQ-2008-003, dated March 17, 2009, insofar as it relates to the product exclusions requested by MAAX Bath Inc. for certain aluminum extrusions used in the assembly of shower enclosures, and referred the matter back to the Canadian International Trade Tribunal for reconsideration and re-determination in conformity with the reasons for judgment of the Federal Court of Appeal.

**THE DUMPING AND SUBSIDIZING OF ALUMINUM EXTRUSIONS
ORIGINATING IN OR EXPORTED FROM THE PEOPLE'S REPUBLIC OF
CHINA**

DETERMINATION

The Canadian International Trade Tribunal hereby determines that MAAX Bath Inc. is entitled to the product exclusions that it requested for certain aluminum extrusions used in the assembly of shower enclosures. The products described in the attached appendix are therefore excluded from the findings made by the Canadian International Trade Tribunal in Inquiry No. NQ-2008-003.

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Serge Fréchette

Serge Fréchette
Member

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PARTICIPANTS:**Domestic Producers**

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Can Art Aluminum Extrusion Inc.
Extrudex Aluminum
Metra Aluminum Inc.
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STATEMENT OF REASONS

INTRODUCTION

1. The Canadian International Trade Tribunal (the Tribunal), further to a judgment of the Federal Court of Appeal (the Court) dated February 24, 2010,¹ remanding the Tribunal's decision to deny the request for product exclusions for certain aluminum extrusions used in the assembly of shower enclosures submitted by MAAX Bath Inc. (MAAX Bath) in Inquiry No. NQ-2008-003,² has re-determined the matter in accordance with the directions of the Court (*Aluminum Extrusions Remand*).

BACKGROUND

Tribunal's Inquiry and Product Exclusion Process in Aluminum Extrusions

2. On November 18, 2008, the Tribunal, pursuant to section 42 of the *Special Import Measures Act*,³ initiated an inquiry to determine whether the dumping and subsidizing of certain aluminum extrusions originating in or exported from the People's Republic of China (China) had caused injury or retardation or were threatening to cause injury to the domestic industry. In its notice of commencement of inquiry,⁴ the Tribunal indicated that it would proceed by way of written submissions with respect to requests for product exclusions and would not hear oral testimony and argument on those requests. The notice also set out deadlines for the filing of requests for product exclusions, replies to the requests and responses to the replies to the requests. These deadlines were subsequently amended by the Tribunal.

3. On January 9, 2009, MAAX Bath filed a request for product exclusions for certain aluminum shower enclosure components (e.g. frames, rails, tracks and handles).⁵ Attached as a protected exhibit to MAAX Bath's request was a list of more than 300 specific items for which exclusions were requested (the exclusion list).⁶ MAAX Bath submitted that all the items in the exclusion list had to be sourced from a single supplier to meet the strict dimensional tolerances and consistent finishes required in order to be used with other shower enclosure components. It submitted that the exclusions should be granted since, to its knowledge, no single domestic extruder had the capability to provide the full range of finishes and fabrication processes that it required (i.e. to produce all the items in the exclusion list).

4. On January 16, 2009, further to an extension granted by the Tribunal, MAAX Bath filed additional submissions in relation to its request for product exclusions. It submitted that the products for which exclusions were requested were not subject goods (i.e. goods subject to the Tribunal's inquiry), as they were parts of shower enclosures and had no uses other than as parts of shower enclosures.

5. On January 19, 2009, the Tribunal provided all those that had filed requests for product exclusions with an opportunity to review the technical and generic descriptions of the products they had identified. Upon review, the Tribunal determined that many of these descriptions were either too broad or insufficient.

1. *MAAX Bath Inc. v. Almag Aluminum Inc.*, 2010 FCA 62 (CanLII).

2. *Aluminum Extrusions* (17 March 2009) (CITT) [*Aluminum Extrusions*].

3. R.S.C. 1985, c. S-15 [*SIMA*].

4. C. Gaz. 2008.I.3071.

5. The Tribunal received a total of 119 requests for product exclusions from 34 different entities. Taken together, these requests covered over 2,000 individual products.

6. *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-37.24 (protected), Administrative Record, Vol. 2.4B at 207-221. A public version of the list was made available by MAAX Bath on February 11, 2009.

6. On January 26, 2009, MAAX Bath revised its product descriptions to specify that its request was for those aluminum extrusions included on the exclusion list and imported by MAAX Bath for use in the assembly of shower enclosures in Canada.

7. On January 30, 2009, Almag Aluminum Inc., Apel Extrusions Limited, Can Art Aluminum Extrusion Inc., Extrudex Aluminum, Metra Aluminum Inc., Signature Aluminum Canada Inc. and Spectra Aluminum Products Ltd./Spectra Anodizing Inc. (Spectra) (the domestic extruders) filed their reply to MAAX Bath's request for product exclusions.⁷ The domestic extruders opposed the request on the basis that they produced products that were identical to or substitutable for the aluminum extrusions for which MAAX Bath requested exclusions. Relying on various invoices, drawings and other documents, they submitted that some domestic extruders could provide all the services required by MAAX Bath. They also added that, before sourcing from China, MAAX Bath was served by domestic extruders.

8. On February 13, 2009, MAAX Bath filed its response to the domestic extruders' reply to the request for product exclusions. It submitted that, on the basis of the information provided by the domestic extruders, it was obvious that they could not provide products that are identical to the aluminum extrusions that MAAX Bath imports from China. It also submitted that, as a producer of high-quality shower enclosures, MAAX Bath could not accept substitutable products. It explained that the aluminum extrusions used in the assembly of its shower enclosures require a consistently high-quality fit and finish that can only be achieved by having them produced by a single supplier. It further explained that, while it had made some purchases from domestic extruders in the past, due to a change in manufacturing strategy, MAAX Bath was now looking for items to be produced in multiple types of coatings/finishes by a single supplier. It stated that its Chinese supplier was the only one capable of meeting these requirements.

9. A hearing on the issue of injury was held in Ottawa, Ontario, from February 16 to 20, 2009. At the outset of the hearing, the Tribunal reminded counsel that, as had been clearly stated in the notice of commencement of inquiry, it would not allow for testimony and arguments to be made on requests for product exclusions during the hearing.⁸ In addition to its participation in the product exclusion process, MAAX Bath was also represented by counsel at the hearing and filed submissions, provided evidence and made arguments in opposition to findings of injury. It also presented Mr. Mario Albert, Vice-President, Supply Chain, MAAX Corporate, as a witness.

10. On March 17, 2009, the Tribunal issued its findings. It found that the dumping and subsidizing in Canada of custom-shaped and standard-shaped aluminum extrusions originating in or exported from China had caused injury to the domestic industry. Although the Tribunal excluded certain products from its findings, it did not exclude those products for which MAAX Bath had requested product exclusions.

11. In its statement of reasons issued on April 1, 2009, the Tribunal outlined the general principles upon which it relied when determining whether or not to grant product exclusions. The Tribunal noted, *inter alia*, that:

- product exclusions are an extraordinary remedy that may be granted only when the Tribunal is of the view that such exclusions will not cause injury to the domestic industry;⁹
- higher selling prices resulting from the imposition of anti-dumping and countervailing measures was not a relevant consideration for the purposes of determining whether or not to grant product exclusions;¹⁰

7. Only a single consolidated reply was filed, as all the companies which constituted the domestic extruders were represented by the same counsel.

8. *Aluminum Extrusions, Transcript of Public Hearing*, Vol. 1, 16 February 2009, at 9.

9. *Aluminum Extrusions* at para. 339.

10. *Ibid.*

- the onus was upon the requester to demonstrate that imports of the goods for which exclusions were requested would not be injurious to the domestic industry;¹¹
- requesters were expected to supply sufficient documentary evidence in support of their claims and requests;¹²
- the fact that a few domestic extruders may not be able to supply a certain product did not imply that all domestic extruders were incapable of doing so;¹³ and
- products sent to third-party finishers and fabricators and then returned to the domestic extruders were considered as part of the domestic production of the extruders and that such practice, on its own, did not constitute a valid basis upon which to grant product exclusions.¹⁴

12. In addition, the Tribunal stated as follows:

The Tribunal is also of the opinion that a single domestic producer need not have the capability to produce all the subject goods required by a requester. As long as the domestic producers, as a whole, were capable of producing the requested products, the Tribunal rejected the requests. To do otherwise would result in the granting of exclusions for products which the domestic industry produces or is capable of producing and, thus, cause injury.¹⁵

13. The Tribunal addressed MAAX Bath's request for product exclusions, including its argument that the products for which it requested exclusions were not subject goods.¹⁶ The Tribunal stated that the evidence submitted by MAAX Bath in support of its request did not allow it determine whether the products for which the request was made were in fact subject goods and that this would be a matter for the Canada Border Services Agency to address upon each importation. With respect to those products which could ultimately have been determined to be subject goods at the time of importation, the Tribunal found that, although MAAX Bath had provided evidence that demonstrated that, out of five domestic extruders which were contacted, none were capable of producing the full range of products for which exclusions were requested, it had not provided any evidence to indicate that the domestic extruders, as a whole, were not capable of producing these products. The Tribunal also noted that the parties opposing the request provided evidence that indicated that they had supplied MAAX Bath prior to its sourcing of products from China. Therefore, in accordance with the general principles that it had previously outlined, the Tribunal determined that there was insufficient evidence to support MAAX Bath's request for product exclusions, and the request was accordingly denied. In reaching this decision, the Tribunal relied exclusively on the written submissions received from MAAX Bath and the domestic extruders as part of the product exclusion process.¹⁷

14. On April 15, 2009, MAAX Bath filed an application for judicial review of the Tribunal's injury findings, including the denial of its request for product exclusions, with the Court.

11. *Aluminum Extrusions* at para. 340.

12. *Ibid.* at para. 342.

13. *Ibid.* at para. 343.

14. *Ibid.* at para. 347.

15. *Ibid.* at para. 348.

16. *Ibid.* at para. 368.

17. *Ibid.* at paras. 333, 342.

Judgment of the Court

15. On February 16, 2010, the Court heard the application for judicial review filed by MAAX Bath, and on February 24, 2010, it allowed the application in part. With respect to those grounds of review that pertained directly to the Tribunal's injury findings, the Court stated that the Tribunal's conclusions had not been shown to be unreasonable and that it could detect no error in the Tribunal's reasoning. However, it set aside the Tribunal's decision to deny MAAX Bath's request for product exclusions and referred the matter back to the Tribunal for reconsideration and re-determination in conformity with its reasons.

16. The Court's reasons read as follows:

[51] The evidence adduced by the applicant before the Tribunal is that as a result of a change in its manufacturing strategy, it began to look for a single supplier capable of providing a range of services fulfilling its particular needs and was unable to identify such a source within the domestic industry. As a result, it resorted to a Chinese supplier having that capacity . . . The Tribunal, in an apparent reference to this evidence (and that of others) (reasons, para. 215), explains earlier in its reasons – in identifying factors other than dumping which may have caused injury – the difficulty confronting purchasers with specific requirements given the absence of fully integrated extruders in the domestic industry (reasons, para. 225):

... the Tribunal notes that there is evidence that certain purchasers have specific requirements that would be better fulfilled by a fully integrated extruder and that a domestic extruder that is not integrated to a certain level may not be suitable. Therefore, the Tribunal does acknowledge that the domestic industry may have lost sales due to service limitations and that these losses would not be inconsequential. However, the Tribunal has not attributed to the dumping and subsidizing of the subject custom shapes any injury resulting from these lost sales and does not consider that any impact of service limitations on the performance of the domestic producers during the [period of inquiry] negates the injury caused by imports of the subject custom shapes.

[52] I understand the Tribunal to be saying that the domestic industry may have lost meaningful sales due to the absence of fully integrated extruders, but that these losses have not been taken into account in assessing injury since they are due to a lack of capacity and hence cannot be attributed to dumping or subsidizing.

[53] To the extent that the applicant, as it argues, comes within the class of purchasers identified by the Tribunal in this passage and had to resort to its foreign supplier due to the absence of a fully integrated supplier in the domestic industry – a matter which the Tribunal is in the best position to determine – it was not open to the Tribunal to deny the exclusion claimed on the basis that the domestic industry “as a whole” is capable of fulfilling the applicant's needs. In other words, the applicant on the one hand cannot be found to require the services of a fully integrated extruder when assessing the causes for injury and on the other hand be found to be adequately served by the industry “as a whole” when the time comes to assess the product exclusion.

[54] In the circumstances, the appropriate remedy is to remit the matter back to the Tribunal on this narrow issue so that the Tribunal may reconsider the question whether the applicant is entitled to the product exclusion which it claimed taking into account the finding made in paragraph 225 of its reasons.

[55] I would therefore allow the application for judicial review, set aside the decision of the Tribunal insofar as it relates to the product exclusion claimed by the applicant and refer the matter back to the Tribunal for reconsideration and re-determination in conformity with these reasons. The application for judicial review should otherwise be dismissed. . . .

Tribunal's Remand Proceedings

17. On March 2, 2010, the Tribunal received correspondence from MAAX Bath requesting an opportunity to make submissions further to the judgment of the Court.

18. On April 6, 2010, the Tribunal wrote to MAAX Bath and the domestic extruders granting them the opportunity to make submissions in relation to the specific direction given to the Tribunal by the Court and setting out deadlines for the filing of these submissions. The Tribunal noted that such submissions were to be limited to argument only and were not to include any new or supplemental evidence. MAAX Bath filed submissions on April 20, 2010. The domestic extruders¹⁸ filed submissions on April 29, 2010. MAAX Bath filed reply submissions on May 5, 2010.

19. On June 25, 2010, the Tribunal requested that MAAX Bath provide it with certain additional information regarding the aluminum extrusions covered by its request for product exclusions (i.e. the aluminum extrusions on the exclusion list). The Tribunal also requested that MAAX Bath either reconsider the necessity of the confidential designation for the exclusion list or notify the Tribunal that it would consent to the release of the confidential information only in the event that product exclusions were granted.

20. On August 9, 2010, subsequent to the exchange of numerous letters between the parties and the Tribunal regarding issues of confidentiality, disclosure, fairness and process, MAAX Bath filed its response to the Tribunal's requests. In addition to providing the Tribunal with the requested information, it also confirmed that it would consent to making the exclusion list public if its request for product exclusions was granted. The domestic extruders filed their comments on MAAX Bath's response on August 16, 2010, which they amended the following day. MAAX Bath filed its reply comments on August 25, 2010.

21. The Tribunal's re-determination in this instance will therefore be made on the basis of the existing record, as well as the additional submissions and information provided by the parties in the context of the current proceedings.

ANALYSIS

22. Before proceeding to reconsider its decision to deny MAAX Bath's request for product exclusions, the Tribunal must first clearly ascertain the exact nature or scope of the Court's remand.

23. According to MAAX Bath, the Court did not simply remand the Tribunal's decision to deny its request for product exclusions, but directed the Tribunal to determine whether MAAX Bath was a "certain purchaser" as described at paragraph 225 of the Tribunal's statement of reasons (i.e. whether MAAX Bath had "... specific requirements that would be better fulfilled by a fully integrated extruder") and, if so, to grant the product exclusions requested by MAAX Bath. On the other hand, the domestic extruders submitted that the Court intended for the Tribunal to rectify or explain the apparent inconsistency between its finding at paragraph 225 of its statement of reasons and its decision to deny MAAX Bath's request for product exclusions. In their view, such a perceived internal inconsistency can be explained by reviewing the Tribunal's statement of reasons in its entirety. The domestic extruders further submitted that, even if MAAX Bath was found to be a "certain purchaser" and that an inconsistency did exist, the Tribunal would still have to consider other bases upon which it could deny the request for product exclusions.

18. As Signature Aluminum Canada Inc. did not participate in these remand proceedings, it was not considered as part of the domestic extruders.

24. In the Tribunal's view, the Court's decision is clear and unambiguous. The crux of the Court's decision reads as follows:

[53] To the extent that [MAAX Bath], as it argues, comes within the class of purchasers identified by the Tribunal [at paragraph 225 of its statement of reasons] and had to resort to its foreign supplier due to the absence of a fully integrated supplier in the domestic industry - a matter which the Tribunal is in the best position to determine - it was not open to the Tribunal to deny the exclusion claimed on the basis that the domestic industry "as a whole" is capable of fulfilling [MAAX Bath's] needs. . . .

25. The Tribunal understands the Court's direction to mean that it must determine whether MAAX Bath is a "certain purchaser" as described at paragraph 225 of its statement of reasons and that, if MAAX Bath is found to be such a purchaser, the Tribunal then cannot deny the requested product exclusions based on the fact that the domestic industry "as a whole" is capable of fulfilling MAAX Bath's needs. Thus, the Court's decision implies that, if MAAX Bath is indeed a "certain purchaser", an inconsistency does exist within the Tribunal's reasons and that this inconsistency cannot be explained away. However, the Tribunal also understands the Court's direction as not precluding a further denial of the requested product exclusions on some other basis that is not inconsistent with paragraph 225 of its statement of reasons.

26. Therefore, in conformity with the Court's strict instructions, the Tribunal will proceed by first considering whether MAAX Bath is a "certain purchaser". If answered in the affirmative, the Tribunal will then reconsider whether MAAX Bath is entitled to the product exclusions that it requested, keeping in mind that it is not open to the Tribunal to deny the exclusions based on the fact that the domestic industry "as a whole" is capable of fulfilling MAAX Bath's need. However, in doing so, the Tribunal will consider whether there are other bases upon which the request for product exclusions should be denied. Finally, in the absence of any such other bases, the Tribunal will determine the precise terms upon which the requested product exclusions will be granted.

Is MAAX Bath a "Certain Purchaser"?

27. In its statement of reasons, the Tribunal noted that "... there is evidence that certain purchasers have specific requirements that would be better fulfilled by a fully integrated extruder and that a domestic extruder that is not integrated to a certain level may not be suitable."¹⁹ It then went on to acknowledge that the domestic industry may have lost sales due to this lack of integration and that any injury resulting from these lost sales should not be attributed to the dumping and subsidizing of the subject goods.

28. Therefore, in order to determine whether MAAX Bath is a "certain purchaser" as described in its statement of reasons, the Tribunal must determine (1) whether MAAX Bath has specific requirements that would be better fulfilled by a fully integrated extruder and (2) whether there is an integrated domestic extruder that is capable of fulfilling MAAX Bath's needs by providing it with the full range of fabrication and finishing services that it requires. Related to these determinations is also the question of whether MAAX Bath's Chinese supplier is a fully integrated extruder. The Tribunal will address each of these questions in turn.

29. MAAX Bath submitted that, in 2004, it adopted a change in manufacturing strategy in response to the decision by MAAX Bath's major Canadian supplier to stop supplying it with aluminum extrusions so that it could focus on a new market and MAAX Bath's decision to close its Anjou, Quebec, fabrication and finishing facility rather than make the investments that would have been necessary to continue to fabricate

19. *Aluminum Extrusions* at para. 225.

and finish domestically sourced aluminum extrusions on its own. It submitted that, as a result of this change in manufacturing strategy, it developed specific requirements that could only be satisfied by a fully integrated extruder. It explained that it now requires fully fabricated and finished “ready-to-assemble” aluminum extrusions for use in the production of its shower enclosures and that these extrusions have to be produced in multiple types of coatings/finishes and meet certain quality standards with respect to consistency of fit and finish. It submitted that, in order to meet these standards, all the required fabrication and finishing services have to be provided by a single producer in-house and not outsourced. MAAX Bath noted that it developed a reputation built on the quality of its shower enclosures which, in turn, is based on the consistently high quality of its parts.

30. For their part, the domestic extruders submitted that simply raising the issue of integration does not make an importer a “certain purchaser”. They added that, in this case, MAAX Bath has not proven that it deserves exclusions based on the domestic industry’s lack of integration. In this respect, they submitted that MAAX Bath contradicted its own arguments by demonstrating that it had purchased aluminum extrusions from more than one non-fully integrated extruder. They further submitted that MAAX Bath kept purchasing from domestic extruders after 2004 when it changed its manufacturing strategy and that it has continued to do so.

31. The Tribunal accepts MAAX Bath’s claim that it has specific requirements that would be better fulfilled by a fully integrated extruder. MAAX Bath has made it clear that the aluminum extrusions that are the subject of its request for product exclusions are produced in multiple types of coatings and finishes and are for use in the assembly of its high-end shower enclosures, which require high-quality standards with respect to consistency of fit and finish.²⁰ In order to meet these high standards, Max Bath argued that it cannot mix and match aluminum extrusions from various producers—they must be provided by a single fully integrated extruder.²¹ As for the domestic extruders’ argument that MAAX Bath has undermined its position by continuing to purchase aluminum extrusions from multiple non-fully integrated extruders, including domestic extruders, after 2004, the Tribunal accepts MAAX Bath’s evidence that such purchases, when they did occur, were for a limited amount of aluminum extrusions for use in the production of medicine cabinets or entry-level shower enclosures for which no exclusions were requested or that they were made in an attempt to identify a source of supply other than its current Chinese supplier.²² Therefore, the Tribunal concludes that MAAX Bath has specific requirements that are better fulfilled by a fully integrated extruder, thus meeting the first requirement to be considered a “certain purchaser”.

32. With respect to the second requirement to be considered a “certain purchaser”, MAAX Bath submitted that, despite multiple attempts, it has not been able to find a single Canadian or North American extruder capable of meeting all of its specific requirements, including its quality requirements, and that the domestic extruders have failed to identify such an extruder. In this respect, it submitted that no single domestic extruder is fully integrated such that it can offer, in house, the full range of fabrication and finishing services that MAAX Bath now requires. In response to the domestic extruders’ claim that it

20. See, for example, *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-36.24, Administrative Record, Vol. 1.4B at 156; *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-40.14, Administrative Record, Vol. 1.4I at 204-205; *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31A, Administrative Record, Vol. 3A, public affidavit of Mr. Albert at para. 6.

21. See, for example, *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-36.24, Administrative Record, Vol. 1.4B at 156, 158; *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31A, Administrative Record, Vol. 3A at paras. 6, 7.

22. *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-29, Administrative Record, Vol. 3A, public statement of Mr. Albert; *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31A, Administrative Record, Vol. 3A, public affidavit of Mr. Albert at para. 10.

received quotations from domestic extruders, MAAX Bath noted that most of the domestic extruders did not provide quotations and that the ones that did so were not capable of fully supplying its requirements. It also submitted that, further to a visit of Spectra's facilities, it was clear that Spectra did not have the ability to supply all of MAAX Bath's requirements or absorb its volume. In response to the domestic extruders' claim that they supply customers with more stringent quality requirements than those of MAAX Bath, it noted that its quality requirements, contrary to those of the automotive, electrical parts, military, transportation and aerospace industries, are more focused on the aesthetics of the aluminum extrusions.

33. The domestic extruders submitted that, as a group, they make identical and substitutable products in all finishes and fabrication types required by MAAX Bath. Relying on various invoices, drawings and other documents, they further submitted that some domestic extruders could provide all the services required by MAAX Bath. In this respect, they noted that, since the Tribunal's injury findings, MAAX Bath has solicited, and received, quotations from domestic extruders, including Spectra, for all of its aluminum extrusion requirements. In their view, the quotations and MAAX Bath's failure to indicate any shortcomings in these quotations demonstrate that its requirements can be fulfilled from domestic production. In addition, the domestic extruders submitted that, despite MAAX Bath's claims regarding the alleged poor quality of the aluminum extrusions that it purchased from several domestic extruders, the domestic industry has supplied and continues to supply customers such as those in the automotive, electrical parts, military, transportation and aerospace industries, meeting their requirements, which are even more stringent than those of the shower enclosure industry.

34. The Tribunal also accepts MAAX Bath's claim that no single domestic extruder is fully integrated such that it can offer the full range of fabrication and finishing services that MAAX Bath requires. In this respect, MAAX Bath provided the Tribunal with a confidential table which outlines all of the finishing and fabrication services offered by the domestic extruders and MAAX Bath's Chinese supplier.²³ On the basis of this information, which was not contradicted by any evidence submitted by the domestic extruders, it is clear that no single domestic extruder can offer the full range of fabrication and finishing services that MAAX Bath requires for high-end products.

35. MAAX Bath submitted convincing accounts of how it attempted, on more than one occasion, to source its requirements domestically but was unable to do so.²⁴ The Tribunal notes that this issue had already been addressed in the Tribunal's statement of reasons, where it was clearly implied that domestic extruders were not fully integrated.²⁵ This issue was also addressed when it was implied that no single domestic extruder was capable of producing the full range of products for which MAAX Bath requested

23. *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31B (protected), Administrative Record, Vol. 4A, exhibit 3, protected affidavit of Mr. Albert.

24. See, for example, *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-36.24, Administrative Record, Vol. 1.4B at 159, 229-32; *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-40.14, Administrative Record, Vol. 1.4I at 203; *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31A, Administrative Record, Vol. 3A, public affidavit of Mr. Albert, at paras. 6, 15-19.

25. Paragraph 224 of the Tribunal's statement of reasons in *Aluminum Extrusions* reads as follows: "... the Tribunal is of the view that the domestic industry has integrated to meet purchasers' most frequent requests for custom-shaped extrusions. Due to the infrequency of requests for certain services, the Tribunal is of the view that it is reasonable to use subcontractors to fulfil special or infrequently requested demands."

exclusions.²⁶ Therefore, the Tribunal concludes that there is not an integrated domestic extruder that is capable of fulfilling MAAX Bath's needs, thus meeting the second requirement for MAAX Bath to be considered a "certain purchaser".

36. Although MAAX Bath has been found to be a "certain purchaser" as described at paragraph 225 of the Tribunal's statement of reasons, the Tribunal, as a practical matter, must confirm that its Chinese supplier is indeed a fully integrated extruder.²⁷

37. MAAX Bath submitted that, while its attempts to find a single Canadian or North American extruder capable of meeting its requirements were unsuccessful, it was able to identify a Chinese extruder that could meet its requirements. It submitted that the evidence on the record, as it relates to the scope of services provided by China Square Industrial Ltd. (China Square), clearly demonstrates that it is a fully integrated extruder that produces the high-end products required by MAAX Bath.²⁸

38. The domestic extruders did not make any submissions as to whether China Square is a fully integrated extruder. However, they did submit that, should the Tribunal grant MAAX Bath the requested exclusions, they should be written in such a way as to ensure that the excluded aluminum extrusions are purchased from only one named fully integrated extruder.

39. In the absence of any submissions by the domestic extruders and on the basis of the information provided by MAAX Bath, the Tribunal determines that China Square is a fully integrated extruder.²⁹ The Tribunal notes that, although evidence on the record indicates that China Square does not produce aluminum extrusions with a white liquid paint finish,³⁰ this has no bearing on MAAX Bath's request for product exclusions, since the request does not cover those aluminum extrusions that have such a finish and that are used in the production of its entry-level shower enclosures.³¹

40. In light of the foregoing, the Tribunal determines that MAAX Bath is a "certain purchaser" as described at paragraph 225 of its statement of reasons. In conformity with the Court's strict instructions, having now made this determination, the Tribunal cannot deny the request for product exclusions based on the fact that the domestic industry "as a whole" is capable of fulfilling MAAX Bath's needs. The Tribunal will now reconsider whether MAAX Bath is entitled to the product exclusions that it requested.

26. At paragraph 368 of the Tribunal's statement of reasons in *Aluminum Extrusions*, the Tribunal acknowledged that MAAX Bath had provided evidence that demonstrated that none of the domestic extruders that it contacted were capable of producing the full range of products for which it requested exclusions but then went on to deny MAAX Bath's request for product exclusions based on the fact that domestic extruders, as a whole, were capable of producing the requested products.

27. In the Tribunal's view, a purchaser cannot legitimately claim that it requires an integrated extruder and, at the same time, successfully operate by sourcing its aluminum extrusions from a non-integrated extruder.

28. *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31B (protected), Administrative Record, Vol. 4A, exhibit 3, protected affidavit of Mr. Albert.

29. See *Aluminum Extrusions*, Tribunal Exhibit NQ-2008-003-40.14, Administrative Record, Vol. 1.4I at 205, 212-13.

30. *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31B (protected), Administrative Record, Vol. 4A, exhibit 3, protected affidavit of Mr. Albert.

31. *Aluminum Extrusions Remand*, Tribunal Exhibit NQ-2008-003R-31A, Administrative Record, Vol. 3A, public affidavit of Mr. Albert at para. 10.

Is MAAX Bath Entitled to the Product Exclusions That it Requested?

41. In reconsidering whether MAAX Bath is entitled to the product exclusions that it requested, the Tribunal will examine whether there are bases upon which the request for product exclusions should be denied.

42. The domestic extruders submitted that, even if MAAX Bath is determined to be a “certain purchaser”, the Tribunal should deny the request for product exclusions because the request is too broad and excluding the products would result in injury to the domestic industry. They submitted that the request covers a broad class of aluminum extrusions that are not distinctive and that exclusions are therefore not warranted.

43. MAAX Bath submitted that whether or not its request for product exclusions is too broad is irrelevant, as the request covers a range of aluminum extrusions that it cannot obtain from a single domestic extruder. It submitted that the aluminum extrusions covered by the request are required for use in the assembly of its high-end shower enclosures.

44. In the Tribunal’s view, it is clear that MAAX Bath purchases the aluminum extrusions contained in the exclusion list from China Square because no single domestic extruder can offer the full range of fabrication and finishing services that it requires. Therefore, it follows that, when these extrusions are purchased from China Square by MAAX Bath, any resulting injury to the domestic industry cannot be attributed to the dumping and subsidizing of the subject goods. In these circumstances, it cannot be said that the request is too broad or lacks distinctiveness. The aluminum extrusions covered by the request must be considered as a group of extrusions that are to be purchased from a single fully integrated extruder. Furthermore, in the Tribunal’s opinion, any concerns arising from the possibility that other importers that have not been found to be “certain purchasers” may improperly benefit from the exclusions is a matter that is relevant to the terms upon which the exclusions will be granted and not to the granting of the exclusions itself.

45. As the Tribunal is aware of no other valid basis, in the context of this remand, upon which the request for product exclusions should be denied, the Tribunal determines that MAAX Bath is entitled to the product exclusions that it requested.

46. Furthermore, the Tribunal notes that the reconsideration of its decision to deny MAAX Bath’s request for product exclusions was done pursuant to the Court’s strict instructions, which required that it determine whether MAAX Bath was a “certain purchaser” as described at paragraph 225 of its statement of reasons. Thus, it was not open to the Tribunal to reconsider, in the circumstances of this case, whether the statements that it made at paragraph 225 should have been modified while maintaining its decision to deny MAAX Bath’s request for product exclusions based on the fact that domestic extruders, as a whole, were capable of producing the requested products.

Terms of the Exclusion

47. Having determined that MAAX Bath is entitled to the product exclusions that it requested, the Tribunal must now determine the precise terms upon which the exclusions will be granted.

48. In its request for product exclusions, MAAX Bath proposed that the products be excluded on the basis of a generic description, which made reference to those aluminum extrusions contained in the exclusion list and for use in the assembly of shower enclosures. In the alternative, it suggested that it be granted firm-specific exclusions that cover all the aluminum extrusions contained in the exclusion list.

49. The domestic extruders submitted that it would be unacceptable for the description of the products for which exclusions are requested not to have wording which ensures that the products will be purchased by MAAX Bath from a single fully integrated supplier and only for use in the assembly of shower enclosures. They submitted that, otherwise, circumvention of the Tribunal's injury findings would result, thereby causing injury to the domestic industry.

50. MAAX Bath submitted that its request for product exclusions already made it clear that the products covered would be those purchased by MAAX Bath from China Square for use in the assembly of shower enclosures. However, it stated that it would not object if the Tribunal considered it appropriate to explicitly include such requirements in a firm-specific exclusion.

51. The Tribunal has generally held that any exclusion to a finding should be defined as generically as possible to avoid potential trade distortions and unfair competitive advantages.³² However, in the specific and unique circumstances of this case, which are the result of the Court's remand, the Tribunal is of the view that the exclusions should be granted on a firm-specific basis. In the Tribunal's view, to do otherwise would pose significant risks of circumvention, which could result in injury to the domestic industry. Accordingly, the Tribunal will grant exclusions for those aluminum extrusions contained in the exclusion list that are purchased by MAAX Bath from China Square for use in the assembly of shower enclosures. The Tribunal notes that MAAX Bath submitted, during the course of these remand proceedings, a revised exclusion list which removed certain products which had been mistakenly included and for which exclusions were not requested. The exclusions will be based upon this revised exclusion list.

DETERMINATION OF THE TRIBUNAL

52. The Tribunal hereby determines that MAAX Bath is entitled to the product exclusions that it requested for certain aluminum extrusions used in the assembly of shower enclosures. The products described in the attached appendix are therefore excluded from the findings made by the Tribunal in *Aluminum Extrusions*.

Stephen A. Leach
Stephen A. Leach
Presiding Member

Serge Fréchette
Serge Fréchette
Member

Diane Vincent
Diane Vincent
Member

32. See *Flat Hot-rolled Carbon and Alloy Steel Sheet Products* (17 January 2003), RD-2002-003 (CITT) at 3.

APPENDIX

**ADDITIONAL PRODUCTS EXCLUDED FROM THE FINDINGS IN INQUIRY
NO. NQ-2008-003**

Aluminum extrusions produced by China Square Industrial Ltd. from either a 6063 or a 6463 alloy type with a T5 temper designation, with a profile or cross-section which fits within a circle having a diameter of 100 mm, for use by MAAX Bath Inc. in the assembly of its shower enclosures, specifically identified in the following table:

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10004475-084	ALUMINUM - PLC01 67.62" CH	6463	PLC01	1.7175	0.3839	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004475-085	ALUMINUM - PLC01 67.62" PB	6463	PLC01	1.7175	0.3839	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10004475-105	ALUMINUM - PLC01 67.62" BN	6463	PLC01	1.7175	0.3839	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10004477-084	ALUMINUM - PLC03 67.62" CH	6463	PLC03	1.7175	0.6072	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004477-085	ALUMINUM - PLC03 67.62" PB	6463	PLC03	1.7175	0.6072	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10004477-105	ALUMINUM - PLC03 67.62" BN	6463	PLC03	1.7175	0.6072	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10004479-084	WALL JAMB PNA01 71.74" CH	6463	PNA01	1.8222	0.3125	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004487-084	ALUMINUM - PR02 CURVED 7436 CH	6463	PR02	1.6167	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip chrome
10004487-084-011	ALUMINUM - PR02 11 7436 CB CLEAR	6463	PR02	1.6167	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip chrome
10004487-084-601	BOTTOM TRACK 1604MM (PR-02) CHR	6463	PR02	1.6040	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip chrome
10004487-085-601	BOTTOM TRACK 1604MM (PR-02) GLD	6463	PR02	1.6040	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip gold
10004487-105-601	BOTTOM TRACK 1604MM (PR-02) NIC	6463	PR02	1.6040	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip nickel
10004488-084	ALUMINUM - PR03R1 71.74" CH	6463	PR03R1	1.8222	0.4494	1.27	Precision cut	Mechanical polish, bright dip chrome
10004488-105	ALUMINUM - PR03R1 71.74" BN	6463	PR03R1	1.8222	0.4494	1.27	Precision cut	Mechanical polish, bright dip nickel
10004491-084	ALUMINUM - PR06R1 71.74" CH	6463	PR06R1	1.8222	0.4301	1.27	Precision cut, punched	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10004491-085	ALUMINUM - PR06R1 71.74" PB	6463	PR06R1	1.8222	0.4301	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10004492-084	ALUMINUM - PR08 69.20" CH	6463	PR08	1.7577	0.2560	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004492-085	ALUMINUM - PR08 69.20" PB	6463	PR08	1.7577	0.2560	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10004492-105	ALUMINUM - PR08 69.20" BN	6463	PR08	1.7577	0.2560	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10004495-084	ALUMINUM - PR10 CURVED 7436-7536 CH	6463	PR10	1.6167	0.3899	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004495-084-006	ALUMINUM - PR10 06 7436 CH	6463	PR10	1.6167	0.3899	1.27	Precision cut, bent	Mechanical polish, bright dip chrome
10004495-084-601	TOP TRACK 1604MM (PR-10) CHR	6463	PR10	1.6040	0.3899	1.27	Precision cut, bent	Mechanical polish, bright dip chrome
10004495-085-006	ALUMINUM - PR10 06 7436 PB	6463	PR10	1.6167	0.3899	1.27	Precision cut, bent	Mechanical polish, bright dip gold
10004495-085-601	TOP TRACK 1604MM (PR-10) GLD	6463	PR10	1.6040	0.3899	1.27	Precision cut, bent	Mechanical polish, bright dip gold
10004495-105-601	TOP TRACK 1604MM (PR-10) NIC	6463	PR10	1.6040	0.3899	1.27	Precision cut, bent	Mechanical polish, bright dip nickel
10004496-084	ALUMINUM - PR3601 71.74" CH	6463	PR3601	1.8222	0.3676	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10004496-105	ALUMINUM - PR3601 71.74" BN	6463	PR3601	1.8222	0.3676	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10004570-084	WALL JAM CH	6063	137xxx-003	2.0800	0.6830	1.5	Precision cut, punched	Mechanical polish, bright dip chrome
10008881-105	ALUMINUM - PR02 CURVED 7532 54.15" BN	6463	PR02	1.2230	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip nickel
10014464-128-002	WALL JAMB 72 9/16 SPTW-A4763	6463	A4763	1.8431	0.3914	1.27	Precision cut	Powder Coat White
10014465-084-001	JAMB RAIL 72 9/16 CHR -A4764	6463	A4764	1.8431	0.5164	1.27	Precision cut	Mechanical polish, bright dip chrome
10014465-128-001	JAMB RAIL 72 9/16 SPTW-A4764	6463	A4764	1.8431	0.5164	1.27	Precision cut	Powder coat white
10014467-128-001	POST RAIL 69 7/8 SPTW-A4766	6463	A4766	1.7748	0.3333	1.27	Precision cut	Powder coat white
10014467-128-003	POST RL 67 21/64 SPTW-A4766 K33908 (P)	6463	A4766	1.7101	0.3333	1.27	Precision cut	Powder coat white
10014471-084-002	TOP DR RAIL 51 13/16 CHR -A5077	6463	A5077	1.3161	0.3512	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10014473-084-002	POST RAIL CAP 71 11/16 CHR -A5370	6063	A5370	1.8209	0.3810	1.27	Precision cut	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10014477-084-001	JAMB RAIL 73 9/16 CHR -A5454	6463	A5454	1.8685	0.4316	1.27	Precision cut	Mechanical polish, bright dip chrome
10014478-001-601	D.T/B RAIL,22.25,WHT,A5455M11	6463	A5455	0.5652	0.3423	1.27	Precision cut	Powder coat white
10014478-001-602	D.T/B RAIL,21.81" WHT, A5455M12	6463	A5455	0.5540	0.3423	1.27	Precision cut	Powder coat white
10014478-001-603	D.T/B RAIL,25.94, WHT, A5455M13	6463	A5455	0.6589	0.3423	1.27	Precision cut	Powder coat white
10014478-084-001	T/B DR RAIL 68 CHR - A5455	6463	A5455	1.7272	0.3423	1.27	Precision cut	Mechanical polish, bright dip chrome
10014502-128-003	PNL P.RAIL,70.00",SPTW, A5903M	6463	A5903	1.7780	0.5834	1.27	Precision cut	Powder coat white
10014505-001-601	JAMB RAIL,72.50", WHT, A5907M	6463	A5907	1.8415	0.4435	1.27	Precision cut, punched	Powder coat white
10014506-001-601	DOOR S.RAIL,69.19" WHT, A5908M2	6463	A5908	1.7574	0.2128	1.27	Precision cut, punched	Powder coat white
10014506-001-602	DOOR S. RAIL,67 23/32 WHT A5908M1	6463	A5908	1.7201	0.2128	1.27	Precision cut, punched	Powder coat white
10014508-084-002	HANDLE 71 CHR -A5946	6463	A5946	1.8034	0.3661	1.27	Precision cut	Mechanical polish, bright dip chrome
10014508-128-001	HANDLE 70 SPTW-A5946	6463	A5946	1.7780	0.3661	1.27	Precision cut	Powder coat white
10014509-084-002	SIDE RAIL 71 CHR - A5947	6463	A5947	1.8034	0.2917	1.27	Precision cut	Mechanical polish, bright dip chrome
10014509-128-001	SIDE RAIL 70 SPTW-A5947	6463	A5947	1.7780	0.2917	1.27	Precision cut	Powder coat white
10014512-128-001	T/B PNL RAIL 72 SPTW-A5955	6463	A5955	1.8288	0.2560	1.27	Precision cut	Powder coat white
10014872-128	(R)TP RAIL,28.12,SPTW,A5076 M1 K19491 (P)	6463	A5076	0.7142	0.5729	1.27	Precision cut, punched, drilled	Powder coat white
10014873-128	(L)TP RAIL,28.12,SPTW A5076M K19492 (P)	6463	A5076	0.7144	0.5729	1.27	Precision cut, punched, drilled	Powder coat white
10014917-128	(L)RAIL BTM,28.12,SPTW A5561M1 K20938 P	6463	A5561	0.7144	0.4241	1.27	Precision cut, punched, countersink	Powder coat white
10014918-128	(R)RAIL BTM,28.12,SPTW,A5561 M1 K20939 P	6463	A5561	0.7144	0.4241	1.27	Precision cut, punched, countersink	Powder coat white
10015129-128	WALL JAMB,70.00",SPTW A4763M2 K33904	6463	A4763	1.7780	0.3914	1.27	Precision cut, punched	Powder coat white
10015130-128	(L)JAMB RAIL,70",SPTW A4764M4 K33905 (P)	6463	A4764	1.7780	0.5164	1.27	Precision cut, punched, drilled	Powder coat white
10015131-128	(R)JAMB RAIL,70",SPTW A4764M5 K33906 (P)	6463	A4764	1.7780	0.5164	1.27	Precision cut, punched, drilled	Powder coat white
10015140-128	WALL JAMB, 72.50",SPTW, A5927M	6463	A5927	1.8415	0.3140	1.27	Precision cut, punched	Powder coat white
10015180-128	PNL B.RAIL,12.81,SPTW A4751M5 K34354	6463	A4751	0.3254	0.2887	1.27	Precision cut, drilled	Powder coat white
10015184-128	PNL T.RAIL,12.81,SPTW A5077M5 K34360	6463	A5077	0.3254	0.3512	1.27	Precision cut, drilled	Powder coat white

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10015189-128	L.HDL RL,67.44,SPTW,A5946M1 K34371	6463	A5946	1.7130	0.3661	1.27	Precision cut, punched, countersink	Powder coat white
10015190-128	R.HDL RL,67.44,SPTW,A5946M1 K34372	6463	A5946	1.7130	0.3661	1.27	Precision cut, punched, countersink	Powder coat white
10015193-128	D.SIDE RAIL,67.44,SPTW,A5947 M1 K34378	6063	A5947	1.7130	0.2917	1.27	Precision cut, punched, countersink	Powder coat white
10015208-128	PNL T/B RAIL,16.44"SPTW,A5955 M	6463	A5955	0.4176	0.2560	1.27	Precision cut, punched notch	Powder coat white
10015563-001-001	EXP WALL JAMB 69 5/8" WHT	6463	NCF0002	1.7685	0.2351	1.0414	Precision cut, punched	Powder coat white
10015563-084-001	EXP WALL JAMB CHR 69.625"	6463	NCF0002	1.7685	0.2351	1.0414	Precision cut, punched	Mechanical polish, bright dip chrome
10015574-001-001	WALL JAMB SPTW 69 5/8" WHT (k22)	6463	NCF0001	1.7685	0.1845	1.0414	Precision cut, punched	Powder coat white
10015574-084-001	WALL JAMB CHR 69.625" (k22)	6463	NCF0001	1.7685	0.1845	1.0414	Precision cut, punched	Mechanical polish, bright dip chrome
10015919-084-601	HDR 142 SIL 60 POLY KSD439-02	6463	KSD439-02	1.5240	1.5849	2.032	Precision cut	Mechanical polish, bright dip chrome
10015920-084-601	HEADER 143 KSD-448-01 60" CHR	6463	KSD448	1.5240	1.5477	1.27	Precision cut	Mechanical polish, bright dip chrome
10015922-084-601	WC SIL 56 KSD058-21CH	6463	KSD058	1.4224	0.3244	1.27	Precision cut	Mechanical polish, bright dip chrome
10017557-001-601	WC WHT 70 KSD470-CH01	6463	KSD470	1.7780	0.3289	1.128	Precision cut, punched	Powder coat white
10017557-084-602	WC SIL 71 KSD470-CH	6463	KSD470	1.8034	0.3289	1.128	Precision cut, punched	Mechanical polish, bright dip chrome
10017568-001-601	PNL UPR WHT 70 KSD469-CH01	6463	KSD469	1.7780	0.3973	1.27	Precision cut, punched	Powder coat white
10017568-084-602	PANEL UPRIGHT 71 CH KSD-469	6463	KSD469	1.8034	0.3973	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10017569-001-601	HDR WHT 27 31/32 KSD480-CH01	6463	KSD480	0.7104	0.7605	1.27	Precision cut, punched	Powder coat white
10017572-001-601	FRONT PNL UPRIGHT 66 1/4" WHT KSD-424	6463	KSD424	1.6828	0.1280	1.27	Precision cut	Powder coat white
10017573-001-602	REAR PNL UPRIGHT 68 1/8" WHT KSD-424	6463	KSD424	1.7305	0.1280	1.27	Precision cut	Powder coat white
10017576-001-601	DR TP-X WHT 13 55/64 KSD481-CH01	6463	KSD481-CH01	0.3520	0.2902	1.27	Precision cut, punched	Powder coat white
10017577-001-601	DR FRT UPR WHT 68 1/8 KSD482-CH01	6463	KSD482	1.7305	0.2292	1.27	Precision cut, punched, punched notch	Powder coat white
10017578-001-601	DR BTM-X WHT 13 55/64 KSD483-CH01	6463	KSD483	0.3520	0.2054	1.27	Precision cut	Powder coat white
10017613-170-602	DOOR UPRIGHT 55 3/16" VELO	6463	KSD492	1.4018	0.1414	1.016	Precision cut, punched	Mechanical polish, bright dip velo

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10017614-170-601	DOOR TOP/BTM RAIL 28,25" VELO KSD-493	6463	KSD493	0.7176	0.1801	1.016	Precision cut, punched	Mechanical polish, bright dip velo
10017737-084-601	PANEL UPRT 70 13/16" CHR KSD923-CH	6063	KSD923-CH	1.7986	0.4911	1.016	Precision cut, punched	Mechanical polish, bright dip nickel
10017740-084-601	WALL CHNL 70 13/16" CHR 332/342KSD922-CH	6063	KSD922-CH	1.7986	0.2857	1.016	Precision cut, punched	Mechanical polish, bright dip nickel
10018339-084-601	TRACK SIL 60 \pm 1/8 KSD274-01	6463	KSD274	1.5240	0.4941	1.397	Precision cut	Mechanical polish, bright dip chrome
10040787-105	HF20 SERIES WALL JAMB X13 NIC	6063	137595-002	1.7780	0.3800	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10040788-105	HF20 SERIES WALL JAMB EXTEN X14 NIC	6063	137595-001	1.7780	0.2290	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10040789-105	HF20 SERIES WALL JAMB EXTENSION X16 NIC	6063	137593-001	1.7780	0.2180	1.27	Precision cut, punched	Mechanical polish, bright dip nickel
10041007-105-001	WALL CHANNEL 67 7/8" NIC (k)	6463	KSD044	1.7240	0.2589	1.5748	Precision cut, punched	Mechanical polish, bright dip nickel
10041009-084-010	DOOR STRICKER 66 11/16 CHR	6463	41009	1.6939	0.2515	1.27	Precision cut	Mechanical polish, bright dip chrome
10041009-105-010	DOOR STRICKER 66 11/16 NIC	6463	41009	1.6939	0.2515	1.27	Precision cut	Mechanical polish, bright dip nickel
10041012-001-002	DR-X WHT 6-7/16 \pm 1/32 KSD810-02	6063	KSD810	0.1635	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041012-001-004	DR-X WHT 11-11/16 \pm 1/32 KSD810-04	6063	KSD810	0.2969	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041012-001-006	DR-X WHT 16-9/16 \pm 1/32 KSD810-06	6063	KSD810	0.4207	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041012-001-008	DR-X WHT 20-11/16 \pm 1/32 KSD810-07	6063	KSD810	0.5255	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041012-001-009	DR-X WHT 20-7/16 \pm 1/32 KSD810-08	6063	KSD810	0.5191	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041012-001-011	DR UPR WHT 28-3/16 \pm 1/32 KSD810-10	6063	KSD810	0.7160	0.2219	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041013-001-001	UPR HG WHT 25-1/4 ±1/32 KSD808-02	6063	KSD808	0.6414	0.3962	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041013-001-002	DR UPR HG WHT 29-1/4 ±1/32 KSD808-03	6063	KSD808	0.7430	0.3962	0.889	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10041025-001-010	JOINT FLANGE 69 5/8" WHT	6463	41025	1.7685	0.4360	1.143	Precision cut, punched, punched notch	Powder coat white
10041025-084-010	JOINT FLANGE 69 5/8" SILVER	6463	41025	1.7685	0.3869	1.143	Precision cut, punched, punched notch	Mechanical polish, bright dip chrome
10041025-085-010	JOINT FLANGE 69 5/8" GOLD	6463	41025	1.7685	0.4360	1.143	Precision cut, punched, punched notch	Mechanical polish, bright dip gold
10041026-001-010	JOINT FRAME 45 DEG 69 5/8 WHT	6463	41026	1.7685	0.3348	1.143	Precision cut, punched, punched notch	Powder coat white
10041026-084-010	JOINT FRAME 45 DEG 69 5/8 SILVER	6463	41026	1.7685	0.3348	1.143	Precision cut, punched, punched notch	Mechanical polish, bright dip chrome
10041026-085-010	JOINT FRAME 45 DEG 69 5/8 GLD	6463	41026	1.7685	0.3348	1.143	Precision cut, punched, punched notch	Mechanical polish, bright dip gold
10041041-001-010	T/B FRAME 13 1/2" WHT	6463	41041	0.3429	0.2723	1.27	Precision cut	Powder coat white
10041041-001-011	T/B FRAME 15 1/2" WHT	6463	41041	0.3937	0.2723	1.27	Precision cut	Powder coat white
10041041-001-012	T/B FRAME 16" WHT	6463	41041	0.4064	0.2723	1.27	Precision cut	Powder coat white
10041041-084-010	T/B FRAME 13 1/2" SILVER	6463	41041	0.3429	0.2723	1.27	Precision cut	Mechanical polish, bright dip chrome
10041041-084-011	T/B FRAME 15 1/2" SILVER	6463	41041	0.3937	0.2723	1.27	Precision cut	Mechanical polish, bright dip chrome
10041041-084-012	T/B FRAME 16" SILVER	6463	41041	0.4064	0.2723	1.27	Precision cut	Mechanical polish, bright dip chrome
10041041-085-011	T/B FRAME 15 1/2" GOLD	6463	41041	0.3937	0.2723	1.27	Precision cut	Mechanical polish, bright dip gold
10041042-084-003	CLOSE SIL 63" SILVER	6463	41042	1.6002	0.4450	1.0414	Precision cut and punched	Mechanical polish, bright dip chrome
10041042-085-003	CLOSE SIL 63" GLD	6463	41042	1.6002	0.4450	1.0414	Precision cut and punched	Mechanical polish, bright dip gold
10041045-001-010	P-U- JAMB 64 1/2" WHT (k)	6463	41045	1.6383	0.2688	1.27	Precision cut and punched	Powder coat white
10041045-084-005	WALL JAMB 76 13/16 CHR	6463	41045	1.9510	0.2688	1.27	Precision cut and punched	Mechanical polish, bright dip chrome
10041045-084-010	P-U- JAMB 64 1/2" SIL (k)	6463	41045	1.6383	0.2688	1.27	Precision cut and punched	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041045-085-010	P-U- JAMB 64 1/2" GLD (k)	6463	41045	1.6383	0.2688	1.27	Precision cut and punched	Mechanical polish, bright dip gold
10041047-084-004	PULL FRAME 63 1/2 SIL	6463	41047	1.6129	0.3438	1.0414	Precision cut and punched	Mechanical polish, bright dip chrome
10041061-001-006	WALL JAMB 69 9/16 WHT (k)	6463	41061	1.7669	0.2917	1.397	Precision cut	Powder coat white
10041061-001-007	WALL JAMB 54 11/16" WHT (k)	6463	41061	1.3891	0.2917	1.397	Precision cut	Powder coat white
10041061-001-008	WALL JAMB 64 7/16" WHT (k)	6463	41061	1.6367	0.2917	1.397	Precision cut	Powder coat white
10041061-084-006	WALL JAMB 69 9/16 SIL (k)	6463	41061	1.7669	0.2917	1.397	Precision cut	Mechanical polish, bright dip chrome
10041061-084-007	WALL JAMB 54 11/16" SIL 4106111CTS (k)	6463	41061	1.3891	0.2917	1.397	Precision cut	Mechanical polish, bright dip chrome
10041061-084-008	WALL JAMB 64 7/16" SIL 4106111CTS (k)	6463	41061	1.6367	0.2917	1.397	Precision cut	Mechanical polish, bright dip chrome
10041061-085-006	WALL JAMB 69 9/16 GLD (k)	6463	41061	1.7669	0.2917	1.397	Precision cut	Mechanical polish, bright dip gold
10041061-085-007	WALL JAMB 54 11/16" GLD 4106112CTS (k)	6463	41061	1.3891	0.2917	1.397	Precision cut	Mechanical polish, bright dip gold
10041061-105-006	WALL JAMB 69 9/16 NIC (k)	6463	41061	1.7669	0.2917	1.397	Precision cut	Mechanical polish, bright dip nickel
10041061-105-007	WALL JAMB 54 11/16" NICKEL 4106112CTS	6463	41061	1.3891	0.2917	1.397	Precision cut	Mechanical polish, bright dip nickel
10041063-001-005	BTM TRACK 60" WHT (k)	6463	41063	1.5240	0.3274	1.27	Precision cut	Powder coat white
10041063-084-005	TRACK 60" SIL 4106311 (k)	6463	41063	1.5240	0.3274	1.27	Precision cut	Mechanical polish, bright dip chrome
10041063-085-005	TRACK 60" GLD 4106312 (k)	6463	41063	1.5240	0.3274	1.27	Precision cut	Mechanical polish, bright dip gold
10041063-105-003	TRACK 72 1/2" NICKEL	6463	41063	1.8415	0.3274	1.27	Precision cut	Mechanical polish, bright dip nickel
10041063-105-005	TRACK 60" NICKEL 4106312 (k)	6463	41063	1.5240	0.3274	1.27	Precision cut	Mechanical polish, bright dip nickel
10041064-001-007	BTM FRAME 49" WHT 41064CTS	6463	41064	1.2446	0.2396	1.143	Precision cut	Powder coat white
10041064-001-680	(P) BTM FRAME 28 1/16 WHT	6463	41064	0.7128	0.2396	1.143	Precision cut, punched	Powder coat white
10041064-001-685	(P) BTM FRAME 18 9/16 WHT	6463	41064	0.4715	0.2396	1.143	Precision cut, punched	Powder coat white
10041064-084-007	BTM FRAME 49" SIL 41064CTS	6463	41064	1.2446	0.2396	1.143	Precision cut	Mechanical polish, bright dip chrome
10041064-084-680	BTM FRAME 28" 1/16 SIL(118)	6463	41064	0.7128	0.2396	1.143	Precision cut, punched	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041064-084-685	(P) BTM FRAME 18"9/16 SIL (118)	6463	41064	0.4715	0.2396	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041064-085-685	(P) BTM FRAME 18"9/16 GLD(118)	6463	41064	0.4715	0.2396	1.143	Precision cut, punched	Mechanical polish, bright dip gold
10041064-105-008	BTM FRAME 56 1/4" NIC 41064CTS	6463	41064	1.4288	0.2396	1.143	Precision cut	Mechanical polish, bright dip nickel
10041065-001-004	TOP FRAME 2 PNL 40 3/4" WHT	6463	41065	1.0351	0.3155	1.27	Precision cut	Powder coat white
10041065-001-612	(P) TOP FRAME 28 1/16 WHT	6463	41065	0.7128	0.3155	1.27	Precision cut, punched	Powder coat white
10041065-084-004	TOP FRAME 2 PNL 40 3/4" SIL	6463	41065	1.0351	0.3155	1.27	Precision cut	Mechanical polish, bright dip chrome
10041065-084-612	TOP FRAME 28"1/16 SIL(118)	6463	41065	0.7128	0.3155	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10041065-085-002	TOP FRAME 2 PNL 56 3/4" GLD	6463	41065	1.4415	0.3155	1.27	Precision cut	Mechanical polish, bright dip gold
10041067-001-652	(P) TOP FRAME 18 9/16 WHT	6463	41067	0.4715	0.3125	1.27	Precision cut, punched	Powder coat white
10041067-084-002	TOP FRAME 3 PNL 59" SIL 4106711	6463	41067	1.4986	0.3125	1.27	Precision cut	Mechanical polish, bright dip chrome
10041067-084-652	(P) TOP FRAME 18"9/16 (118)	6463	41067	0.4715	0.3125	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10041067-085-652	(P) TOP FRAME 18"9/16 (118)	6463	41067	0.4715	0.3125	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10041067-105-002	TOP FRAME 3 PNL 59" NICKEL 4106712CTS	6463	41067	1.4986	0.3125	1.27	Precision cut	Mechanical polish, bright dip nickel
10041067-128-002	TOP FRAME 3 PNL 59" SPTW 41067CTS	6463	41067	1.4986	0.3125	1.27	Precision cut	Powder coat white
10041084-001-010	T/B FRAME 22 1/4" WHT	6463	41084	0.5652	0.3333	1.143	Precision cut	Powder coat white
10041084-001-603	T/B FRAME 66" WHT 41084CTS	6463	41084	1.6764	0.3333	1.143	Precision cut	Powder coat white
10041084-084-004	T/BOTTOM FRAME 66" SILVER	6463	41084	1.6764	0.3333	1.143	Precision cut	Mechanical polish, bright dip chrome
10041084-084-010	T/B FRAME 22 1/4" SILVER	6463	41084	0.5652	0.3333	1.143	Precision cut	Mechanical polish, bright dip chrome
10041112-084-002	BTM TRACK OPU/STORM 60" SIL 4111211	6463	41112	1.5240	0.4822	1.27	Precision cut	Mechanical polish, bright dip chrome
10041112-105-002	BTM TRACK OPU/STORM 60" NICKEL 4111211	6463	41112	1.5240	0.4822	1.27	Precision cut	Mechanical polish, brightbright dip nickel
10041152-001-010	S/M FRAME 67 3/4" WHITE	6463	41152	1.7209	0.1146	1.27	Precision cut, punched	Powder coat white
10041152-084-010	S/M FRAME 67 3/4" SILVER	6463	41152	1.7209	0.1146	1.27	Precision cut, punched	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041186-128-001	HEADER 3-PNL 60" SPTW (k)	6463	41186	1.5240	1.2828	1.651	Precision cut	Powder coat white
10041187-084-001	HEADER 2-PANEL 60" SIL (k)	6463	41187	1.5240	0.8959	1.778	Precision cut	Mechanical polish, bright dip chrome
10041232-001-010	SIDE FRAME 52 15/16" SLOT WHT	6463	41232	1.3446	0.2054	1.27	Precision cut, punch, punched notch	Powder coat white
10041232-001-011	SIDE FRAME 62 5/8" SLOT WHT	6463	41232	1.5907	0.2054	1.27	Precision cut, punch, punched notch	Powder coat white
10041232-001-013	SIDE FRAME 65 7/8 WHT	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Powder coat white
10041232-001-014	SIDE FRAME 67 3/4 SLOT WHT	6463	41232	1.7209	0.2054	1.27	Precision cut, punch, punched notch	Powder coat white
10041232-001-611	(P) SIDE FRAME 65 7/8 SLOT WHT	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Powder coat white
10041232-084-010	SIDE FRAME 52 15/16" SLOT SIL	6463	41232	1.3446	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-011	SIDE FRAME 62 5/8" SLOT SIL	6463	41232	1.5907	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-012	SIDE FRAME 52 15/16" SIL	6463	41232	1.3446	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-013	SIDE FRAME 65 7/8 SIL	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-014	SIDE FRAME 67 3/4 SLOT SIL	6463	41232	1.7209	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-611	(P) SIDE FRAME 65 7/8 SLOT SIL	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-084-614	(P) SIDE FRAME 62 5/8 SIL	6463	41232	1.5907	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041232-085-011	SIDE FRAME 62 5/8" SLOT GLD	6463	41232	1.5907	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip gold
10041232-085-611	(P) SIDE FRAME 65 7/8 SLOT GLD	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip gold
10041232-105-010	SIDE FRAME 52 15/16" SLOT NIC	6463	41232	1.3446	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel
10041232-105-011	SIDE FRAME 62 5/8 SLOT NIC	6463	41232	1.5907	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel
10041232-105-014	SIDE FRAME 67 3/4" SLOT NIC	6463	41232	1.7209	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel
10041232-105-611	SIDE FRAME 65 7/8" SLOT NIC	6463	41232	1.6732	0.2054	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041233-001-602	(P) MID FRAME 62 5/8 WHT	6463	41233	1.5907	0.2396	1.27	Precision cut, punch, punched notch	Powder coat white
10041233-001-603	(P) MID FRAME 67 3/4 WHT	6463	41233	1.7209	0.2396	1.27	Precision cut, punch, punched notch	Powder coat white
10041233-001-606	MID FRAME 52 15/16 WHT	6463	41233	1.3446	0.2396	1.27	Precision cut, punch, punched notch	Powder coat white
10041233-084-602	(P) MID FRAME 62 5/8 SIL	6463	41233	1.5907	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041233-084-603	(P) MID FRAME 67 3/4 SIL	6463	41233	1.7209	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041233-084-604	(P) MID FRAME 65 7/8 SIL	6463	41233	1.6732	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041233-084-606	MID FRAME 52 15/16 SIL	6463	41233	1.3446	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041233-085-603	(P) MID FRAME 67 3/4 GLD	6463	41233	1.7209	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip gold
10041233-105-603	(P) MID FRAME 67 3/4 NIC	6463	41233	1.7209	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel
10041233-105-606	MID FRAME 52 15/16" NICKEL	6463	41233	1.3446	0.2396	1.27	Precision cut, punch, punched notch	Mechanical polish, bright dip nickel
10041235-128-004	TOWEL BAR 54" SPTW 41235CTS (K)	6463	41235	1.3716	0.3765	1.27	Precision cut	Powder coat white
10041252-084-001	SIDE FRAME 73 5/8" SIL	6463	41252	1.8701	0.1310	1.143	Precision cut, punch, punched notch	Mechanical polish, bright dip chrome
10041252-085-001	SIDE FRAME 73 5/8" GLD	6463	41252	1.8701	0.1310	1.143	Precision cut, punch, punched notch	Mechanical polish, bright dip gold
10041276-001-010	PIVOT JAMB 64 3/8" WHITE (K)	6463	41276	1.6351	0.4078	1.778	Precision cut, punched notch	Powder coat white
10041276-084-010	PIVOT JAMB 64 3/8" SILVER (K)	6463	41276	1.6351	0.4078	1.778	Precision cut, punched	Mechanical polish, bright dip chrome
10041285-001-010	T/B FRAME 13 3/4" WHT	6463	41285	0.3493	0.2173	1.143	Precision cut, punched	Powder coat white
10041285-001-011	T/B FRAME 15 1/2" WHT	6463	41285	0.3937	0.2173	1.143	Precision cut, punched	Powder coat white
10041285-001-012	T/B FRAME 12 5/16" WHT	6463	41285	0.3127	0.2173	1.143	Precision cut, punched	Powder coat white
10041285-084-010	T/B FRAME 13 3/4" SILVER	6463	41285	0.3493	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041285-084-011	T/B FRAME 15 1/2" SILVER	6463	41285	0.3937	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041285-084-012	T/B FRAME 12 5/16" SILVER	6463	41285	0.3127	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041285-084-013	T/B FRAME 16 15/16" SILVER	6463	41285	0.4302	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041285-084-014	T/B FRAME 11" SILVER	6463	41285	0.2794	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041285-085-014	T/B FRAME 11" GOLD	6463	41285	0.2794	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip gold
10041285-105-003	T/B FRAME 52" NIC	6463	41285	1.3208	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip nickel
10041285-105-612	(P) T/B FRAME 12 5/16 NIC	6463	41285	0.3127	0.2173	1.143	Precision cut, punched	Mechanical polish, bright dip nickel
10041286-001-010	BTM TRACK 48 7/8" WHITE	6463	41286	1.2414	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-001-012	BTM TRACK 54 13/16" WHITE	6463	41286	1.3922	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-001-013	BTM TRACK 62 1/2" WHITE	6463	41286	1.5875	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-001-014	BTM TRACK 54" WHITE	6463	41286	1.3716	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-001-015	BTM TRACK 57 1/2" WHITE	6463	41286	1.4605	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-001-016	BTM TRACK 60 3/16" WHITE	6463	41286	1.5288	0.5372	1.778	Precision cut, drilled, bent	Powder coat white
10041286-084-010	BTM TRACK 48 7/8" SILVER	6463	41286	1.2414	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-084-012	BTM TRACK 54 13/16" SILVER	6463	41286	1.3922	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-084-013	BTM TRACK 62 1/2" SILVER	6463	41286	1.5875	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-084-014	BTM TRACK 54" SILVER	6463	41286	1.3716	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-084-015	BTM TRACK 57 1/2" SILVER	6463	41286	1.4605	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-084-016	BTM TRACK 60 3/16" SILVER	6463	41286	1.5288	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041286-105-005	BTM TRACK 68" NICKEL	6463	41286	1.7272	0.5372	1.778	Precision cut	Mechanical polish, bright dip nickel
10041286-105-605	(P) BENT BTM TRK 54 13/16 NIC61"	6463	41286	1.3922	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041286-105-617	(P) BENT BTM TRK 62 1/2 NIC68"	6463	41286	1.5875	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041286-105-625	(P) BENT BTM TRK 48 7/8 NIC61"	6463	41286	1.2414	0.5372	1.778	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041287-001-010	TOP TRACK 48 7/8" WHITE	6463	41287	1.2414	0.5357	1.143	Precision cut, drilled, bent	Powder coat white

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041287-001-012	TOP TRACK 54 13/16" WHITE	6463	41287	1.3922	0.5357	1.143	Precision cut, drilled, bent	Powder coat white
10041287-001-014	TOP TRACK 54" WHITE	6463	41287	1.3716	0.5357	1.143	Precision cut, drilled, bent	Powder coat white
10041287-001-015	TOP TRACK 57 1/2" WHITE	6463	41287	1.4605	0.5357	1.143	Precision cut, drilled, bent	Powder coat white
10041287-001-016	TOP TRACK 60 3/16" WHITE	6463	41287	1.5288	0.5357	1.143	Precision cut, drilled, bent	Powder coat white
10041287-084-010	TOP TRACK 48 7/8" SILVER	6463	41287	1.2414	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-012	TOP TRACK 54 13/16" SILVER	6463	41287	1.3922	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-013	TOP TRACK 62 1/2" SILVER	6463	41287	1.5875	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-014	TOP TRACK 54" SILVER	6463	41287	1.3716	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-015	TOP TRACK 57 1/2" SILVER	6463	41287	1.4605	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-016	TOP TRACK 60 3/16" SILVER	6463	41287	1.5288	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-084-017	TOP TRACK 65 7/8" SILVER	6463	41287	1.6732	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip chrome
10041287-105-605	(P) BENT TOP TRK 54 13/16 NIC	6463	41287	1.3922	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041287-105-617	(P) BENT TOP TRK 62 1/2 NIC	6463	41287	1.5875	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041287-105-625	(P) BENT TOP TRK 48 7/8 NIC	6463	41287	1.2414	0.5357	1.143	Precision cut, drilled, bent	Mechanical polish, bright dip nickel
10041288-001-010	PULL FRAME 67 3/4" LFT WHT	6463	41288	1.7209	0.2470	1.143	Precision cut, punched notch, countersink	Powder coat white
10041288-001-011	PULL FRAME 67 3/4" RGT WHT	6463	41288	1.7209	0.2470	1.143	Precision cut, punched notch, countersink	Powder coat white
10041288-001-012	PULL FRAME 68" LFT WHT	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Powder coat white
10041288-001-013	PULL FRAME 68" RGT WHT	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Powder coat white
10041288-084-010	PULL FRAME 67 3/4" LFT SIL	6463	41288	1.7209	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041288-084-011	PULL FRAME 67 3/4" RGT SIL	6463	41288	1.7209	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041288-084-012	PULL FRAME 68" LFT SIL	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041288-084-013	PULL FRAME 68" RGT SIL	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041288-085-013	PULL FRAME 68" RGT GLD	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip gold
10041288-105-012	PULL FRAME 68" LFT NIC	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041288-105-013	PULL FRAME 68" RGT NIC	6463	41288	1.7272	0.2470	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041289-001-010	SIDE FRAME 68" WHT	6463	41289	1.7272	0.1280	1.143	Precision cut, punched notch, countersink	Powder coat white
10041289-084-010	SIDE FRAME 68" SILVER	6463	41289	1.7272	0.1280	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041289-085-010	SIDE FRAME 68" GLD	6463	41289	1.7272	0.1280	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip gold
10041289-105-010	SIDE FRAME 68" NIC	6463	41289	1.7272	0.1280	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041290-001-011	DOUBLE ROLLER 5" L/R WHT	6463	41290	0.1270	0.2426	1.143	Precision cut, punched notch, countersink	Powder coat white
10041290-001-012	TOP ROLLER SUPPORT 5" RGT WHT	6463	41290	0.1270	0.2426	1.143	Precision cut, punched notch, countersink	Powder coat white
10041290-001-015	ROLLER SUPPORT 5 13/16" CTR WHT	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Powder coat white
10041290-001-019	T/B FRAME 11 3/4 CTR WHT	6463	41290	0.2985	0.2426	1.143	Precision cut, punched notch, countersink	Powder coat white
10041290-084-010	TOP ROLLER SUPPORT 5 " LFT SIL	6463	41290	0.1270	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-011	DOUBLE ROLLER 5" L/R SIL	6463	41290	0.1270	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-012	TOP ROLLER SUPPORT 5" RGT SIL	6463	41290	0.1270	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-013	ROLLER SUPPORT 5 13/16" RGT SIL	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-014	ROLLER SUPPORT 5 13/16" LFT SIL	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-015	ROLLER SUPPRT 5 13/16" CTR SIL	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-017	DOUBLE ROLLER 7" CTR SIL	6463	41290	0.1778	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome
10041290-084-019	T/B FRAME 11 3/4 CTR SIL	6463	41290	0.2985	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041290-105-601	(P) TOP ROLLER SUPP 5 13/16 LFT NIC	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041290-105-602	(P) TOP ROLLER SUPP 5 13/16 L/R NIC	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041290-105-603	(P) TOP ROLLER SUPP 5 13/16 RGT NIC	6463	41290	0.1476	0.2426	1.143	Precision cut, punched notch, countersink	Mechanical polish, bright dip nickel
10041291-001-010	WALL JAMB 69 5/8" WHT	6463	41291	1.7685	0.3259	1.143	Precision cut, punched	Powder coat white
10041291-084-010	WALL JAMB 69 5/8" SILVER	6463	41291	1.7685	0.3259	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041291-085-010	WALL JAMB 69 5/8" GOLD	6463	41291	1.7685	0.3259	1.143	Precision cut, punched	Mechanical polish, bright dip gold
10041291-105-605	(P) WLL JAMB 69 5/8 NIC	6463	41291	1.7685	0.3259	1.143	Precision cut, punched	Mechanical polish, bright dip nickel
10041292-001-010	EXP JAMB 69 5/16" WHT	6463	41292	1.7605	0.3095	1.143	Precision cut, punched	Powder coat white
10041292-084-010	EXP JAMB 69 5/16" SILVER	6463	41292	1.7605	0.3095	1.143	Precision cut, punched	Mechanical polish, bright dip chrome
10041292-085-010	EXP JAMB 69 5/16" GOLD	6463	41292	1.7605	0.3095	1.143	Precision cut, punched	Mechanical polish, bright dip gold
10041292-105-602	(P) EXP JAMB 69 5/16 NIC	6463	41292	1.7605	0.3095	1.143	Precision cut, punched	Mechanical polish, bright dip nickel
10041312-001-601	(P) WLL JAMB 64 3/8 WHT	6463	41312	1.6351	0.4792	1.27	Precision cut, punched	Powder coat white
10041312-084-601	(P) WALL JAMB 64"3/8 SIL	6463	41312	1.6351	0.4792	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10041312-085-601	(P) WLL JAMB 64 3/8 GLD	6463	41312	1.6351	0.4792	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10041314-001-601	(P) PIVOT SUPP 4 3/4 LFT WHT	6463	41314	0.1207	0.7054	1.27	Precision cut, punched	Powder coat white
10041314-001-602	(P) PIVOT SUPP 4 3/4 RGT WHT	6463	41314	0.1207	0.7054	1.27	Precision cut, punched	Powder coat white
10041314-084-002	T/B FRAME 60" SIL 413141101	6463	41314	1.5240	0.7054	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10041314-085-002	TOP/BOT, FRAME 60" GLD CTS	6463	41314	1.5240	0.7054	1.27	Precision cut, punched	Mechanical polish, bright dip gold
10041358-084-001	HINGE INNER PLATE SIL	6463	41358	0.0450	2.5039	1.5748	Precision cut, countersink, taped	Mechanical polish, bright dip chrome
10041358-105-001	HINGE INNER PLATE NIC	6463	41358	0.0450	2.5016	1.5748	Precision cut, countersink	Mechanical polish, bright dip nickel
10041369-001-010	SILL 37" WHT (k)	6463	41369	0.9398	0.2411	1.8542	Precision cut	Powder coat white
10041369-084-010	SILL 37" SIL (k)	6463	41369	0.9398	0.2411	1.8542	Precision cut	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10041369-105-010	SILL 37" SIL NIC (K)	6463	41369	2.9210	0.2411	1.8542	Precision cut	Mechanical polish, bright dip nickel
10047568-084-603	PNL UPR SIL 71" 469-CH02	6463	KSD469	1.8034	0.4028	1.27	Precision cut, punched	Mechanical polish, bright dip chrome
10075379-084	HDR 331 SIL 33 KSD472-CH	6463	KSD472	0.8382	0.5720	1.524	Precision cut	Mechanical polish, bright dip chrome
10081206-001-004	LT BOX WHT 28-15/16 ±1/32 KSD417-01	6463	KSD417	0.7350	1.3063	1.651	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081219-084-004	BOTTOM STRIP 27 1/16 CHR	6463	KSD424	0.6874	0.1281	1.27	Precision cut	Mechanical polish, bright dip chrome
10081219-171-004	BOTTOM STRIP 27 1/16 SN	6463	KSD424	0.6874	0.1281	1.27	Precision cut	Mechanical polish, bright dip nickel
10081229-001-001	SIDE WHT 24-1/4 ±1/32 KSD430-02	6463	KSD430	0.6160	0.5020	1.3208	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-003	BOX-X WHT 13-11/16 ±1/32 KSD802-02	6463	KSD802	0.3477	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-007	BOX-X WHT 22-11/16 ±1/32 KSD802-04	6463	KSD802	0.5763	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-008	BOX-X WHT 27-5/8 ±1/32 KSD802-07	6463	KSD802	0.7017	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-011	BOX-X WHT 34-3/4 ±1/32 KSD802-06	6463	KSD802	0.8827	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-019	BOX-X WHT 12-3/4+/-1/32 KSD802-11	6463	KSD802	0.3239	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-001-022	BOX-X WHT 99 ±1/8 KSD802-16	6463	KSD802	2.5146	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081238-015-002	BOX-X PPG90212 BLK 18-1/4±1/32 KSD802-37	6463	KSD802	0.4636	0.7060	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat black

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
10081240-001-003	BOX UPR WHT 30 ±1/32 KSD803-03	6463	KSD803	0.7620	0.6598	1.3208	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081240-001-007	BOX UPR WHT 108 ±1/8 KSD803-05	6463	KSD803	2.7432	0.6598	1.3208	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081292-001-007	CTR SUP WHT 108 ±1/8 KSD804-05	6463	KSD804	2.7432	1.3614	1.27	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat white
10081298-015-001	BX UP PPG90212BK 25-13/16±1/32 KSD805-08	6463	KSD805	0.6556	0.6181	1.5748	Precision cut, punched, punched notch, drilled, bent, countersink	Powder coat black
20000110-003	ALUMINUM - PLC01 67,62" WH	6463	PLC01	1.7175	0.3839	1.27	Precision cut	Powder coat white
20000112-003	ALUMINUM - PLC03 67,62" WH	6463	PLC03	1.7175	0.6072	1.27	Precision cut	Powder coat white
20000114-003	WALL JAMB PNA01 71,74" WH	6463	PNA01	1.8222	0.3125	1.27	Precision cut, punched	Powder coat white
20000115-003	PULL FRAME PNA02R2 69,20 " WH	6463	PNA02R2	1.7577	0.6667	1.143	Precision cut	Powder coat white
20000123-003	CORNER POST PNAK01 71,74 " WH	6463	PNAK01	1.8222	0.5298	1.27	Precision cut	Powder coat white
20000123-084	CORNER POST PNAK01 71,74 " CHR	6463	PNAK01	1.8222	0.5298	1.27	Precision cut	Mechanical polish, bright dip chrome
20000124-003	CORNER POST STRICKER PNAK02 71,74" WHT	6463	PNAK02	1.8222	0.6027	1.27	Precision cut	Powder coat white
20000124-084	CORNER POST STRICKER PNAK02 71,74" CHR	6463	PNAK02	1.8222	0.6027	1.27	Precision cut	Mechanical polish, brightbright dip chrome
20000125-003	TOP/BOTTOM FRAME PNAK03 66" WHT	6463	PNAK03	1.6764	0.3973	1.27	Precision cut	Powder coat white
20000125-084	TOP/BOTTOM FRAME PNAK03 66" CHR	6463	PNAK03	1.6764	0.3973	1.27	Precision cut	Mechanical polish, bright dip chrome
20000126-003	EXP, WALL JAMB PNAK05 71,74" WHT	6463	PNAK05	1.8222	0.4241	1.27	Precision cut	Powder coat white
20000126-084	EXP, WALL JAMB PNAK05 71,74" CHR	6463	PNAK05	1.8222	0.4241	1.27	Precision cut	Mechanical polish, bright dip chrome
20000127-084	ALUMINUM - PNAK06 71" CHR	6463	PNAK06	1.8034	0.5789	1.27	Precision cut	Mechanical polish, bright dip chrome
20000128-003	PULL FRAME PNAK07 69,01" WHT	6463	PNAK07	1.7529	0.4851	1.27	Precision cut	Powder coat white
20000128-084	PULL FRAME PNAK07 69,01" CHR	6463	PNAK07	1.7529	0.4851	1.27	Precision cut	Mechanical polish, bright dip chrome

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
20000129-084	SIDE FRAME PNAK08 69,01" CHR	6463	PNAK08	1.7529	0.2902	1.27	Precision cut	Mechanical polish, bright dip chrome
20000130-084	ALUMINUM - PNAK09 65" CHR	6463	PNAK09	1.6510	0.3453	1.27	Precision cut	Mechanical polish, bright dip chrome
20000135-003	ALUMINUM - PR03R1 71.74" WH	6463	PR03R1	1.8222	0.4494	1.27	Precision cut	Powder coat white
20000137-003	ALUMINUM - PR05 68,41" WH	6463	PR05	1.7376	0.2932	1.143	Precision cut	Powder coat white
20000138-003	ALUMINUM - PR06R1 71,74" WH	6463	PR06R1	1.8222	0.4301	1.27	Precision cut	Powder coat white
20000139-003	ALUMINUM - PR08 69,20" WH	6463	PR08	1.7577	0.2560	1.27	Precision cut	Powder coat white
20000143-003	ALUMINUM - PR3601 71,74" WH	6463	PR3601	1.8222	0.3676	1.27	Precision cut	Powder coat white
20004480-084	PULL FRAME PNA02R2 69,20 " CH	6463	PNA02R2	1.7577	0.6667	1.143	Precision cut	Mechanical polish, bright dip chrome
20004480-085	PULL FRAME PNA02R2 69,20 " PB	6463	PNA02R2	1.7577	0.6667	1.143	Precision cut	Mechanical polish, bright dip gold
20004480-105	PULL FRAME PNA02R2 69,20 " BN	6463	PNA02R2	1.7577	0.6667	1.143	Precision cut	Mechanical polish, bright dip nickel
20004485-084	ALUMINUM - PR02 54,922" CH	6463	PR02	1.3950	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip chrome
20004485-105	ALUMINUM - PR02 54,922" BN	6463	PR02	1.3950	0.3988	1.143	Precision cut, bent	Mechanical polish, bright dip nickel
20004489-084	ALUMINUM - PR04 69,75" CH	6463	PR04	1.7717	0.2842	1.27	Precision cut	Mechanical polish, bright dip chrome
20004489-085	ALUMINUM - PR04 69,75" PB	6463	PR04	1.7717	0.2842	1.27	Precision cut	Mechanical polish, bright dip gold
20004489-105	ALUMINUM - PR04 69,75" BN	6463	PR04	1.7717	0.2842	1.27	Precision cut	Mechanical polish, bright dip nickel
20004490-084	ALUMINUM - PR05 68,41" CH	6463	PR05	1.7376	0.2932	1.143	Precision cut	Mechanical polish, bright dip chrome
20004490-085	ALUMINUM - PR05 68,41" PB	6463	PR05	1.7376	0.2932	1.143	Precision cut	Mechanical polish, bright dip gold
20004490-105	ALUMINUM - PR05 68,41" BN	6463	PR05	1.7376	0.2932	1.143	Precision cut	Mechanical polish, bright dip nickel
20004493-084	ALUMINUM - PR09 69,75" CH	6463	PR09	1.7717	0.3542	1.27	Precision cut	Mechanical polish, bright dip chrome
20004493-085	ALUMINUM - PR09 69,75" PB	6463	PR09	1.7717	0.3542	1.27	Precision cut	Mechanical polish, bright dip gold
20004493-105	ALUMINUM - PR09 69,75" BN	6463	PR09	1.7717	0.3542	1.27	Precision cut	Mechanical polish, bright dip nickel

Part Number	Description	Alloy	Die Number	Length (m)	Density (kg/m)	Wall Thickness (mm)	Fabrication	Finish
20004494-084	ALUMINUM - PR10 CH 82"	6463	PR10	2.0828	0.3899	1.143	Precision cut, bent	Mechanical polish, bright dip chrome
20004494-105	ALUMINUM - PR10 PB 82" BN	6463	PR10	2.0828	0.3899	1.143	Precision cut, bent	Mechanical polish, bright dip nickel