

高精度数控表面磨床采购项目招标公告

招标编号：0730-254011HL0003

请投标人特别注意：本项目为全流程电子化招标，购买标书请联系中国航发网上商城购买相关 CA 认证用于制做电子版的投标文件，具体请参看中国航发网上商城网站首页发布的相关公告说明。

中航技国际经贸发展有限公司（以下简称“招标代理机构”）受中国航发哈尔滨轴承有限公司（以下简称“招标人”）的委托，就该公司“高精度数控表面磨床采购项目”项下的货物及服务进行国际公开招标。

招标人已落实该项目购置资金，将切实保证本项目项下各合同能够顺利实施。

1. 招标项目名称：高精度数控表面磨床采购项目

2. 招标货物名称、数量、主要规格、供货时间及供货地点：

2.1 货物名称：

高精度数控外表面磨床（外径尺寸 $\geq \phi 130\text{mm} \sim \phi 260\text{mm}$ ）

高精度数控内表面磨床（外径尺寸 $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$ ）

高精度数控内表面磨床（外径尺寸 $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$ ）

高精度数控外表面磨床（内径尺寸 $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$ ）

2.2 数量：

高精度数控外表面磨床（外径尺寸 $\geq \phi 130\text{mm} \sim \phi 260\text{mm}$ ）1 台

高精度数控内表面磨床（外径尺寸 $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$ ）1 台

高精度数控内表面磨床（外径尺寸 $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$ ）1 台

高精度数控外表面磨床（内径尺寸 $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$ ）1 台

2.2.1：规格

设备一：高精度数控外表面磨床（外径尺寸 $\geq \phi 130\text{mm} \sim \phi 260\text{mm}$ ）

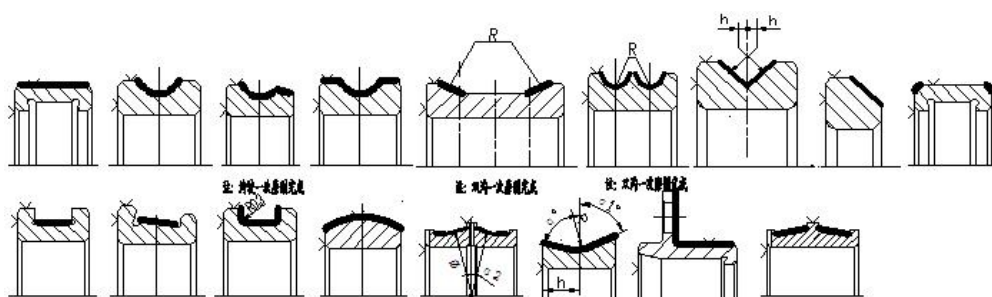
*1) 加工工件规格范围：

外径尺寸： $D \geq \phi 130\text{mm} \sim \phi 260\text{mm}$ ；

工件宽度：5-60mm

*2) 加工工件部位轮廓形状要求

加工部位轮廓形状要求见下图(粗实线部分为加工部位)，并设定相应的修整程序。除验收用件，其余图形可用空循环修整砂轮验收。



*3) 主要加工精度指标

圆圆度 ΔCir (2-15 波): $\leq 0.0008\text{mm}$;

波纹度 A_{max} (15-500 波): $\leq 0.001\text{mm}$;

直线性 $p_t \leq 0.001\text{mm}$, 0-30 (+) μm 可调节;

粗糙度 R_a : $\leq R_a 0.25\mu\text{m}$;

沟道轮廓度: $\leq 0.0015\text{mm}$;

尺寸散差: $\leq \pm 0.002\text{mm}$;

设备定位精度及重复定位精度 $\leq 1 \mu\text{m}$ 。

表面质量: 不允许有烧伤、裂纹及目视可见的砂轮花和砂轮划痕, 外观标准符合企业标准。

验收试件见附件 1、附件 2

设备二: 高精度数控内表面磨床 (外径尺寸 $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$)

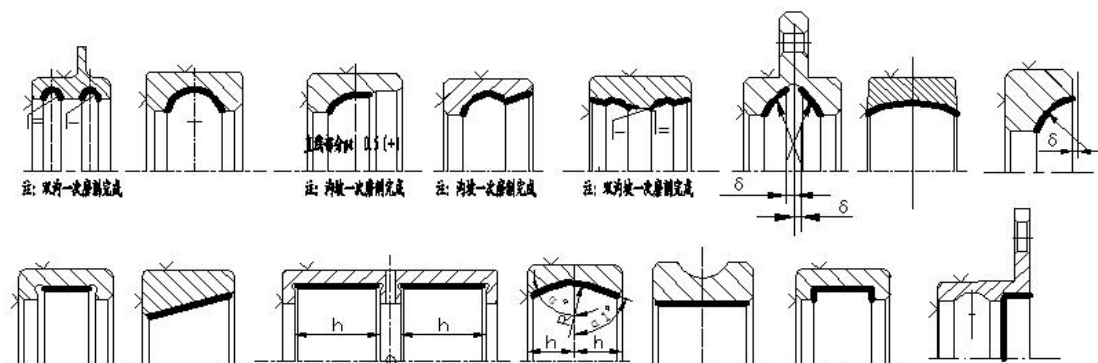
*1) 加工工件规格范围:

外径尺寸 D : $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$;

工件宽度: 5-60mm

*2) 加工工件部位轮廓形状要求

加工部位轮廓形状要求见下图(粗实线部分为加工部位), 并设定相应的修整程序。除验收用件, 其余图形可用空循环修整砂轮验收。



*3) 主要加工精度指标

圆度 ΔCir (2-15 波): $\leq 0.0006\text{mm}$;

波纹度 A_{max} (15-500 波): $\leq 0.0015\text{mm}$;

滚道直线度 L_e : $\leq 0.002\text{mm}$, 0-30 (+) μm 可调节;

粗糙度 R_a : $\leq R_a 0.25\mu\text{m}$;

沟道轮廓度: $\leq 0.0005\text{mm}$;

尺寸散差： $\leq \pm 0.002\text{mm}$ ；

设备定位精度及重复定位精度 $\leq 0.001\text{mm}$ 。

表面质量：不允许有烧伤、裂纹及目视可见的砂轮花和砂轮划痕，外观标准符合企业标准。

验收试件见附件 1、附件 2

设备三：高精度数控内表面磨床（外径尺寸 $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$ ）

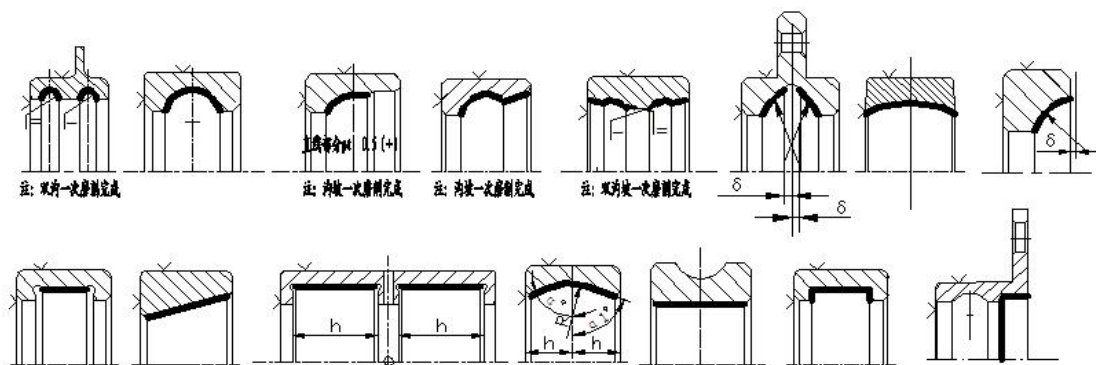
*1) 加工工件规格范围：

外径尺寸 D： $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$ ；

工件宽度：5-60mm

*2) 加工工件部位轮廓形状要求

加工部位轮廓形状要求见下图(粗实线部分为加工部位)，并设定相应的修整程序。除验收用件，其余图形可用空循环修整砂轮验收。



*3) 主要加工精度指标

圆度 $\Delta \text{Cir}(2-15 \text{ 波})$ ： $\leq 0.0008\text{mm}$ ；

波纹度 $A_{\text{max}}(15-500 \text{ 波})$ ： $\leq 0.0015\text{mm}$ ；

滚道直线度 L_e ： $\leq 0.002\text{mm}$ ，0-30 (+) μm 可调节；

粗糙度 R_a ： $\leq Ra0.25\mu\text{m}$ ；

沟道轮廓度： $\leq 0.001\text{mm}$ ；

尺寸散差： $\leq \pm 0.002\text{mm}$ ；

设备定位精度及重复定位精度 $\leq 1 \mu\text{m}$ 。

表面质量：不允许有烧伤、裂纹及目视可见的砂轮花和砂轮划痕，外观标准符合企业标准。

验收试件见附件 1、附件 2

设备四：高精度数控外表面磨床（内径尺寸 $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$ ）

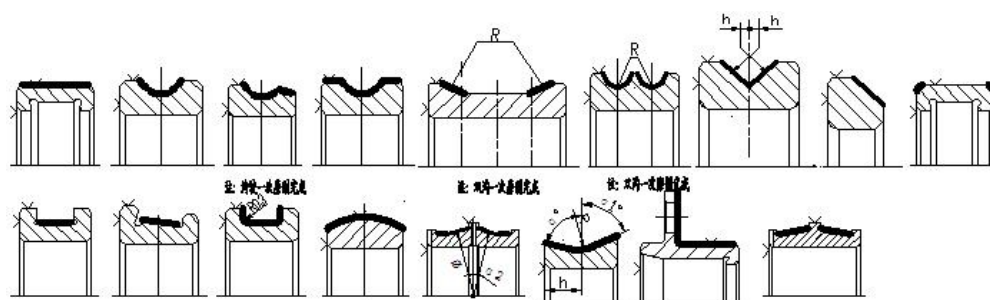
***1) 加工工件规格范围：**

内径尺寸 d ： $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$ ；

工件宽度：5-60mm

***2) 加工工件部位轮廓形状要求**

加工部位轮廓形状要求见下图(粗实线部分为加工部位)，并设定相应的修整程序。除验收用件，其余图形可用空循环修整砂轮验收。



***3) 主要加工精度指标**

圆度 ΔCir (2-15 波)： $\leq 0.0008\text{mm}$ ；

波纹度 A_{max} (15-500 波)： $\leq 0.001\text{mm}$ ；

直线性 $p_t \leq 0.001\text{mm}$ ，0-30 (+) μm 可调节；

沟 R 轮廓度 ΔCur ： $\leq 0.001\text{mm}$ ；

滚道直线度 L_e ： $\leq 0.002\text{mm}$ ；

尺寸散差： $\pm 0.002\text{mm}$ ；

设备定位精度及重复定位精度 $\leq 0.001\text{mm}$ 。

表面质量：不允许有烧伤、裂纹及目视可见的砂轮花和砂轮划痕，外观标准符合企业标准。

验收试件见附件 1、附件 2

2.3 交货期：14 个月

2.4 交货地点：中国航发哈尔滨轴承有限公司哈尔滨市呼兰区南京路 888 号（新区托管区）

3. 资格条件

3.1. 制造厂商或代理商在国内不得有不良供货记录，提供承诺（格式自拟）；

3.2. 投标人需提供由制造商出具的设备原产地证明，提供承诺（格式自拟）；

3.3. 货物原产地为境内不接受代理商；

3.4. 关境内投标人，投标报价不允许是外币。

（中华人民共和国外汇管理条例第 8 条中华人民共和国境内禁止外币流通，并不得以外币计

价结算。)

3.5 如果投标人所投的货物不是投标人自己制造的, 投标人应得到制造商同意其在本次投标中提供该货物的唯一正式授权书。

3.6 投标人在投标文件中应提供其基本账户开户银行在开标日前三个月内开具的资信证明原件或该原件的复印件。

4. 资格审查方式: 资格后审

5. 发售招标文件时间和地点:

1、请投标人在“中国航发网上商城电子招投标专区”(http://ebid.aecc-mall.com)进行用户注册、办理数字证书, 使用数字证书登录并领购下载招标文件。

招标文件费缴纳链接:

<https://www.avicbid.com/zhj/anonymous/xm/gcdd/bptsf?ywbh=MzZmYTNjZjQ4YjRkNGI10GI5NDM5NzdhYzNhYzY3NDk=>

2、招标文件下载时间: 2025 年 04 月 04 日 09 时 00 分(北京时间)-2025 年 04 月 11 日 16 时 30 分(北京时间);

6. 投标截止时间和开标时间:

2025 年 04 月 25 日 09 时 30 分(北京时间), 投标人必须在此时间前将经加密的电子版投标文件传至中国航发网上商城电子招投标专区(http://ebid.aecc-mall.com), 并在此时间前, 现场递交货邮寄单独密封的纸质版投标文件。

7. 投标地点和开标地点: 哈尔滨市道里区保利城三期七号楼 6 号门市开标室。

8. 发布公告的媒介:

中国国际招标网(http://chinabidding.mofcom.gov.cn/index.shtml)同步推送至

中国航发网上商城电子招投标专区(http://ebid.aecc-mall.com)

有关此次招标之事宜, 可按下列地址以书面或传真的形式向招标人查询:

招标人: 中国航发哈尔滨轴承有限公司

地址: 哈尔滨市呼兰区南京路888号(新区托管区)

联系人: 孙先生

电话: 0451-56891303

招标代理机构: 中航技国际经贸发展有限公司

地址: 哈尔滨市道里区保利城三期七号楼6号门市

电话: 0451-85860005-806、18249743872

E-mail: zhgj0730@163.com

联系人: 崔女士

High Precision CNC Surface Grinding Machine Procurement Project

Bidding Number: 0730-254011HL0003

For particular attention from bidders: This project is a full-process electronic bidding; those who intend to purchase the bidding documents are requested to access website <http://ebid.aecc-mall.com> to purchase the relevant CA certification for preparing the electric-version tender documents. Please refer to the relevant announcement issued on the website homepage at website <http://ebid.aecc-mall.com> for more details.

AVIC International Trade & Economic Development Ltd. (hereafter referred to as Bidding Agent), entrusted by AECC' s Harbin Bearing Manufacturing Co., Ltd. (hereafter referred to as Tenderer), hereby invites bids for the goods and services under Tenderer' s Hydrocarbon Solvent Vacuum Cleaning Machine Procurement Project by way of International Competitive Bidding.

The tenderer has had the purchasing funds available for this project and will surely guarantee the successful implementation of the contracts under this project.

1. Name of the bidding project: High Precision CNC Surface Grinding Machine Procurement Project

2. Name, quantity, main specifications, delivery period and delivery place of the bid goods:

2.1 Name of the goods:

High precision CNC external surface grinding machine(Outer diameter dimensions: $D \geq \phi 130\text{mm} \sim \phi 260\text{mm}$)

High precision CNC internal surface grinding machine(Outer diameter dimensions $D: \geq \phi 60\text{mm} \sim \phi 100\text{mm}$)

High precision CNC internal surface grinding machine(Outer diameter dimensions $D: \geq \phi 150\text{mm} \sim \phi 280\text{mm}$)

High precision CNC external surface grinding machine(Inner diameter dimensions $d: \geq \phi 30\text{mm} \sim \phi 70\text{mm}$)

2.2 Quantity:

High precision CNC external surface grinding machine(Outer diameter dimensions: $D \geq \phi 130\text{mm} \sim \phi 260\text{mm}$) 1 sets

High precision CNC internal surface grinding machine(Outer diameter dimensions $D: \geq \phi 60\text{mm} \sim \phi 100\text{mm}$) 1 sets

High precision CNC internal surface grinding machine(Outer diameter dimensions D:
 $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$) 1 sets

High precision CNC external surface grinding machine(Inner diameter dimensions d:
 $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$) 1 sets

2.2.1 specifications:

Device 1:High precision CNC external surface grinding machine(Outer diameter dimensions: $D \geq \phi 130\text{mm} \sim \phi 260\text{mm}$)

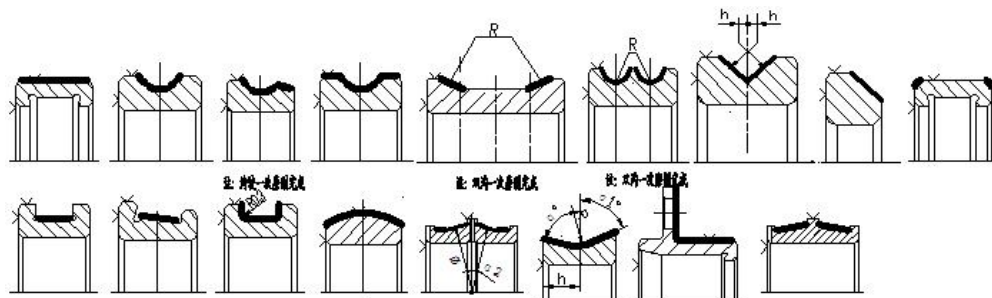
*1)Size range of machining workpieces:

Outer diameter dimensions: $D \geq \phi 130\text{mm} \sim \phi 260\text{mm}$;

Width of workpieces: 5-60mm.

*2)Requirements for outline shape of machined workpiece parts

The requirements for outline shape of the machined parts are shown in figure below (the thick solid line represents the machined parts), and corresponding dressing procedure shall be set. Except the workpieces for acceptance, the remaining graphics can be accepted by dressing grinding wheels in null cycle.



*3)Main machining accuracy indices

Roundness ΔC_{ir} (2-15 waves): $\leq 0.0008\text{mm}$;

Ripple degree A_{max} (15 ~ 500 waves): $\leq 0.001\text{mm}$;

Linearity $pt \leq 0.001\text{mm}$, 0-30 (+) μm adjustable;

Roughness R_a : $\leq R_a 0.25\mu\text{m}$;

Raceway groove profile: $\leq 0.0015\text{mm}$;

Dimensional scatter difference: $\leq \pm 0.002\text{mm}$

Equipment positioning accuracy and repeated positioning accuracy $\leq 1\mu\text{m}$.

Surface quality: burns, cracks and visible grinding wheel markings and scratches are not allowed, and the appearance standard shall meet the enterprise standard.

For acceptance test specimens, see Appendix 1 and Appendix 2

Device 2:High precision CNC internal surface grinding machine(Outer diameter dimensions D: $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$)

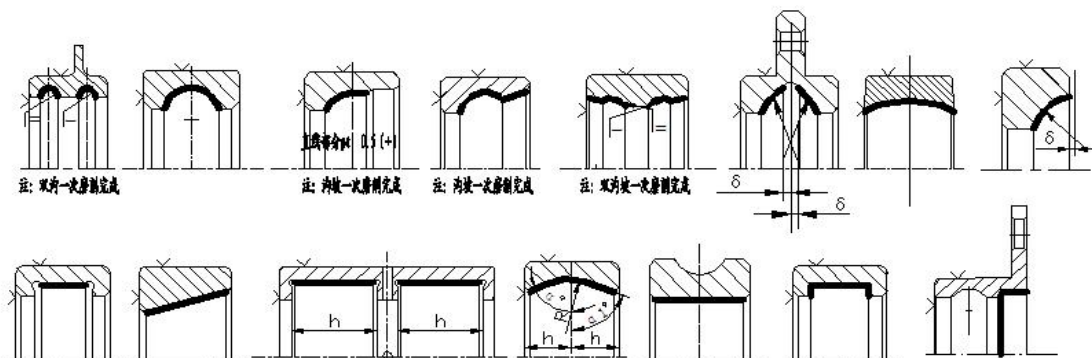
*1)Size range of machining workpieces:

Outer diameter dimensions D: $\geq \phi 60\text{mm} \sim \phi 100\text{mm}$;

Width of workpieces: 5-60mm.

***2) Requirements for outline shape of machined workpiece parts**

The requirements for outline shape of the machined parts are shown in figure below (the thick solid line represents the machined parts), and corresponding dressing procedure shall be set. Except the workpieces for acceptance, the remaining graphics can be accepted by dressing grinding wheels in null cycle.



***3) Main machining accuracy indices**

Roundness ΔC_{ir} (2~15 waves): 0.0006mm

Ripple degree A_{max} (15 ~ 500 waves): $\leq 0.0015\text{mm}$;

Raceway linearity L_e : $\leq 0.002\text{mm}$, 0-30(+) μm adjustable

Roughness R_a : $\leq R_a 0.25\mu\text{m}$;

Raceway groove profile: $\leq 0.0005\text{mm}$;

Dimensional scatter difference: $\leq \pm 0.002\text{mm}$

Equipment positioning accuracy and repeated positioning accuracy $\leq 0.001\text{mm}$.

Surface quality: burns, cracks and visible grinding wheel markings and scratches are not allowed, and the appearance standard shall meet the enterprise standard.

For acceptance test specimens, see Appendix 1 and Appendix 2

Device 3: High precision CNC internal surface grinding machine (Outer diameter dimensions D: $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$)

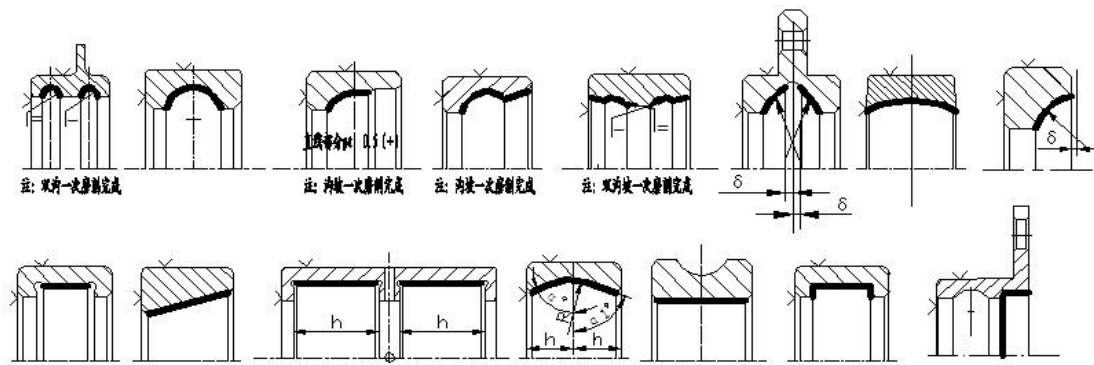
***1) Size range of machining workpieces:**

Outer diameter dimensions D: $\geq \phi 150\text{mm} \sim \phi 280\text{mm}$;

Width of workpieces: 5-60mm.

***2) Requirements for outline shape of machined workpiece parts**

The requirements for outline shape of the machined parts are shown in figure below (the thick solid line represents the machined parts), and corresponding dressing procedure shall be set. Except the workpieces for acceptance, the remaining graphics can be accepted by dressing grinding wheels in null cycle.



*3) Main machining accuracy indices

Roundness Δ_{Cir} (2 ~ 15 waves): $\leq 0.0008\text{mm}$

Ripple degree A_{max} (15 ~ 500 waves): $\leq 0.0015\text{mm}$;

Raceway linearity L_e : $\leq 0.002\text{mm}$, 0-30(+) μm adjustable;

Roughness R_a : $\leq Ra0.25\mu\text{m}$;

Raceway groove profile: $\leq 0.001\text{mm}$;

Dimensional scatter difference: $\leq \pm 0.002\text{mm}$;

Equipment positioning accuracy and repeated positioning accuracy $\leq 1\mu\text{m}$.

Surface quality: burns, cracks and visible grinding wheel markings and scratches are not allowed, and the appearance standard shall meet the enterprise standard.

For acceptance test specimens, see Appendix 1 and Appendix 2

Device 4: High precision CNC external surface grinding machine (Inner diameter dimensions d : $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$)

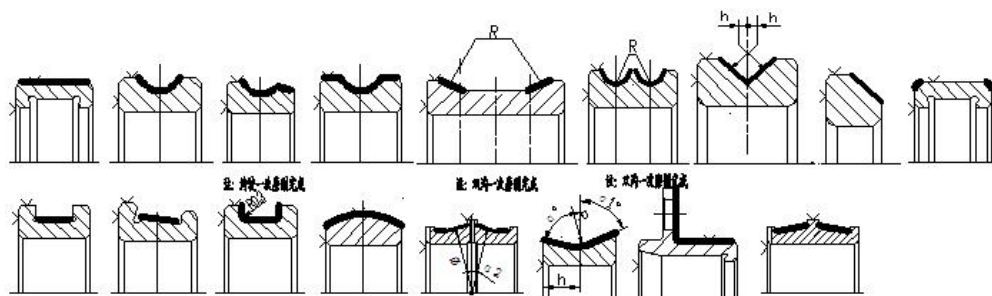
*1) Size range of machining workpieces:

Inner diameter dimensions d : $\geq \phi 30\text{mm} \sim \phi 70\text{mm}$;

Width of workpieces: 5-60mm.

*2) Requirements for outline shape of machined workpiece parts

The requirements for outline shape of the machined parts are shown in figure below (the thick solid line represents the machined parts), and corresponding dressing procedure shall be set. Except the workpieces for acceptance, the remaining graphics can be accepted by dressing grinding wheels in null cycle.



*3) Main machining accuracy indices

Roundness ΔC_{ir} (2~15 waves): $\leq 0.0008\text{mm}$

Ripple degree A_{max} (15 ~ 500 waves): $\leq 0.001\text{mm}$;

Linearity $pt \leq 0.001\text{mm}$, 0-30 (+) μm adjustable;

Groove R profile ΔC_{ur} : $\leq 0.001\text{mm}$;

Raceway linearity L_e : $\leq 0.002\text{mm}$;

Dimensional scatter difference: $\pm 0.002\text{mm}$

Equipment positioning accuracy and repeated positioning accuracy $\leq 0.001\text{mm}$.

Surface quality: burns, cracks and visible grinding wheel markings and scratches are not allowed, and the appearance standard shall meet the enterprise standard.

For acceptance test specimens, see Appendix 1 and Appendix 2

2.3 Supply period: 14 months

2.4 Delivery place: Aero Engine Corporation of China (AECC) Harbin Bearing Manufacturing Co., Ltd. (No. 888 Nanjing Road, Hulan District, Harbin (Trust Area of New District))

3. Qualifications

3.1. The manufacturer or agent shall not have poor supply records in China, offer a commitment (Format self-fitting) ;

3.2. The bidder should provide the certificate of origin issued by the manufacturer, offer a commitment (Format self-fitting) ;

3.3. The origin of the goods is that agents are not accepted within the territory.

3.4. For domestic bidders, the bid quotation is not allowed to be foreign currency. (Article 8 Foreign currency circulation is prohibited within the territory of the People's Republic of China, and foreign currency pricing and settlement are not allowed.)

3.5. Where the goods to be supplied by the bidder are not manufactured by the bidder itself, the bidder shall obtain the only formal authorization from manufacturer which allows the bidder to provide the goods in this bid

3.6. The bidder shall provide the bank credit letter in original or its copy issued by the bank of its basic account in the tender documents within three months before the date of bid opening.

4. Method for reviewing of qualifications: Qualifications to be reviewed afterwards.

5. Time and place for selling the bidding documents:

1. The bidders are requested to perform the user registration and obtain a digital certificate on <http://ebid.aecc-mall.com>, and then log in with the digital

certificate, purchase and download the bidding documents. The price for each set of the bidding documents is RMB500 or USD75.

Link for payment of tender document fee:

<https://www.avicbid.com/zhj/anonymous/xm/gcdd/bptsf?ywbh=MzZmYTNjZjQ4YjRkNGI1OGI5NDM5NzdhYzNhYzY3NDk=>

2. Time for downloading the bidding documents: April 04, 2025 09:00 (Beijing Time) – April 11, 2025 16:30 (Beijing Time)

6. Deadline for submitting bids and time of bid opening:

April 25, 2025 09:30 (Beijing Time), bidders must transmit the encrypted electric-version tender documents at <http://ebid.aecc-mall.com> before this time, and submit a separately sealed paper-version tender document on the site before this time.

7. Place of bid and place of bid opening: Baolicheng, Daoli District, Harbin City No. 7 Building No. 6 Opening Room.

8. Media used for issuance of the announcement:

<http://www.chinabidding.com/>, and at the same time pushed to

<http://ebid.aecc-mall.com>

For any issues related to this bid, please inquire Tenderer at the following address in writing or by means of facsimile:

Tenderer: AECC's Harbin Bearing Manufacturing Co., Ltd

Address: No. 888 Nanjing Road, Hulan District, Harbin (Trust Area of New District)

Contact: Mr. Sun

Tel.: 0451-56891303

Bidding agent: AVIC International Trade & Economic Development Ltd.

Address: Baolicheng, Daoli District, Harbin City No. 7 Building No. 6

Tel.: 0451-85860005-806、18249743872

E-mail: zhj0730@163.com

Contact: Miss. Cui