

ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-150
 Name of the item to be scouted: Ball and Socket Parts Cold Forged
 State item to be used in: Maine

Describe the Item:

Please describe the item application/the end use of the item. Looking for a cold forger to produce 6 different parts for automobile ball and socket.

Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer x
 Contract Manufacturer
 Distributor
 Other (Please Specify)

Reason for Scouting Submission (select from the list below)

2nd Supplier
 Price
 Re-Shore
 Past supplier no longer available x
 New Product Startup
 BABA
 Other (Please Specify)

Summary of Technical Specifications and Performance

Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible) Cold forger

Provide dimensions / size / tolerances / performance specifications of the item See attached sheet

List required materials needed to make the product, including materials of product components, if applicable see attached sheet

Are there applicable certification requirements?
 Yes x
 No
 Please explain: ISO 9001

Are there any applicable regulations that apply to the production of this item?
 Yes
 No x
 Please explain:

Are there any other standards / requirements?
 Yes
 No x
 Please explain:

Additional Comments:

Additional technical comments:

Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year): Please see attached sheet for specifications and quantities

Estimated Target Price / Unit Cost Information: NA

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc) 45-60 days

Describe packaging requirements (i.e. individually / group packaging, etc) Palletized

Where will this item be shipped? State of Maine

Additional Comments:

Is there other information you would like to include?

Parts Information

NO.	Part Name	Part Number	Production Quantity	Pictures and Key Dimensions	Material Grade	Other Requirements
1	Socket, Rack End Ball (IBJ Socket)	A-111-833-Z-F	143,500 /Month	<p>OD : Ø38mm Overall Cup Length : 35mm Wrench Flat : 32mm ID : Ø29.1mm Thread : M16×1.5 See Note).</p> 	S48 (SAE 1049)	<p>Cold Forging - Quench & Temper - Shot Cleaning - 100% Crack/Flaw Inspection by Magnetic Partial Inspection or similar method- Zinc Phosphate Coating</p> <p>Heat Treatment Hardness : 230 - 290 HV</p> <p>Note) This part is machined and thread rolled at Somic America, Inc.</p>
2	Socket, Rack End Ball (IBJ Socket)	A-111-C40-Z-F	34,900 /Month	<p>OD : Ø35.5mm Overall Cup Length : 34mm Wrench Flat : 30mm ID : Ø27.1mm Thread : M14×1.5 See Note).</p>	S48 (SAE 1049)	<p>Cold Forging - Quench & Temper - Shot Cleaning - 100% Crack/Flaw Inspection by Magnetic Partial Inspection or similar method- Zinc Phosphate Coating</p> <p>Heat Treatment Hardness : 230 - 290 HV</p> <p>Note) This part is machined and thread rolled at Somic America, Inc.</p>
3	Socket, Stabilizer Joint (Stabi Socket)	A-221-025-Z-F	615,000 /Month	<p>OD : Ø27.4mm ID : Ø22.5mm Overall Length : 23mm</p> 	S15 (SAE 1015)	<p>Cold Forging - Rust Pretension Treatment</p> <p>Note) This part is machined at Somic America, Inc.</p>
4	Socket, Stabilizer Joint (Stabi Socket)	A-221-024-Z-F	41,000 /Month	<p>OD : Ø24.5mm ID : Ø20.5mm Overall Length : 19.5mm</p>	S15 (SAE 1015)	<p>Cold Forging - Rust Pretension Treatment</p> <p>Note) This part is machined at Somic America, Inc.</p>
5	Socket, Stabil Link Joint Ball (Ball Stud)	A-222-065-Z-F	82,000 /Month	<p>Sphere OD : SØ22.5mm after machining. See Note). Thread : M14×1.5. See Note). Overall Length : 70.5mm</p> 	SB25 (SAE 15B25)	<p>Cold Forging - Knurling - Quench & Temper - Rust Pretension Treatment</p> <p>Heat Treatment Hardness : 285 - 350 HV</p> <p>Note) This part is machined at Somic America, Inc. Thread rolling is not required but an option at supplier.</p>
6	Socket, Stabil Link Joint Ball (Ball Stud)	A-222-121-Z-F	61,500 /Month	<p>Sphere OD : SØ20.05mm after machining. See Note). Thread : M12×1.25. See Note). Overall Length : 60.7mm</p>	SCM40 (SAE 4140)	<p>Cold Forging - Quench & Temper - Shot Blast - Rust Pretension Treatment</p> <p>Heat Treatment Hardness : 340 - 390 HV</p> <p>Note) This part is machined and thread rolled at Somic America, Inc.</p>