

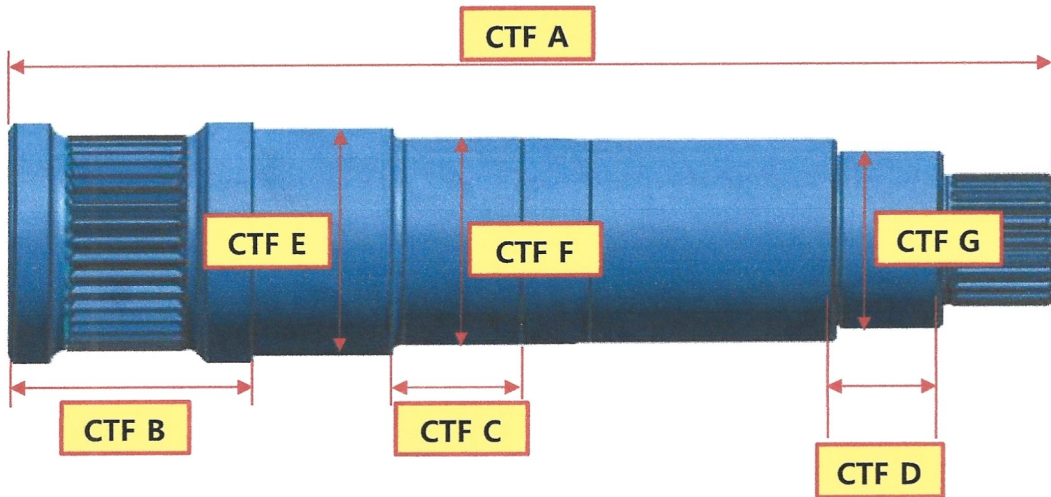
## ITEM OPPORTUNITY SYNOPSIS

<b>Scouting Number:</b>	2024-054
<b>Name of the item to be scouted:</b>	Spindle Shaft
<b>State item to be used in:</b>	Pennsylvania
<b>Describe the Item:</b>	
<b>Please describe the item application/the end use of the item.</b>	Spindle Shaft that will be used to rotate a drum.
<b>Supplier Information:</b>	
<b>Type of Supplier Being Sought (select from the list below):</b>	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
<b>Reason for Scouting Submission (select from the list below)</b>	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	x
New Product Startup	
BABA	
Other (Please Specify)	
<b>Summary of Technical Specifications and Performance Requirements:</b>	
<b>Describe the manufacturing processes (elaborate to provide as much detail as possible)</b>	See included Drawings.
<b>Provide dimensions / size / tolerances / performance specifications of the item</b>	Please see included DWG. Heat treat Hardness HrC 40-50 Length total 183.4 Largest diameter 39.5
<b>List required materials needed to make the product, including materials of product components, if applicable</b>	Steel / Powder metallurgy
<b>Are there applicable certification requirements?</b>	
Yes	
No	x
Please explain:	
<b>Are there any applicable regulations that apply to the production of this item?</b>	
Yes	
No	x
Please explain:	
<b>Are there any other standards / requirements?</b>	
Yes	
No	x
Please explain:	
<b>Additional Comments:</b>	
<b>Additional technical comments:</b>	N/A
<b>Volume and Pricing:</b>	
<b>Estimated Potential Business Volume (i.e. #units per day, month, year):</b>	800,00 per year
<b>Estimated Target Price/Unit Cost Information:</b>	Looking for realistic quotes based on drawings and potential volume.
<b>Delivery Requirements:</b>	
<b>When is it needed by? (Immediate, 30 days, 6 months, etc.)</b>	Looking to start production within 12 months.
<b>Describe packaging requirements (i.e. individually/group packaging, etc.)</b>	Bulk Shipment
<b>Where will this item be shipped?</b>	York, PA
<b>Additional Comments:</b>	
<b>Is there other information you would like to include?</b>	

## CTQ / CTF

DATE	2018.08.14	CREATOR		SUBMIT	CHECK	APPROVAL
MODEL (PROJECT)	A Project	PART NAME	SHAFT	<b>PLM e-APPROVAL</b>		
CODE-NO.		REV.	1			

Check Point / Part Shape : 관리부위 및 형상도



### CTF(Critical to Function)

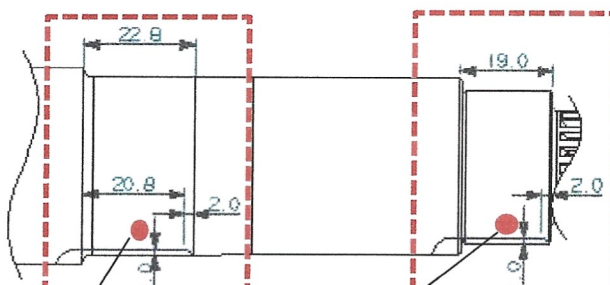
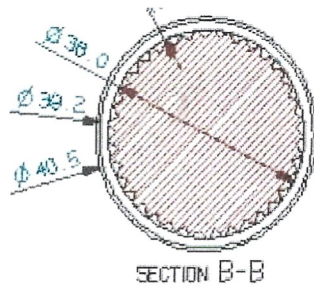
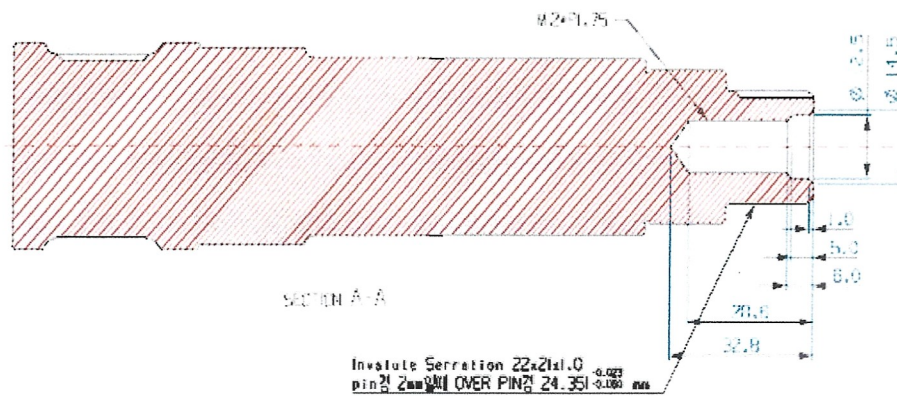
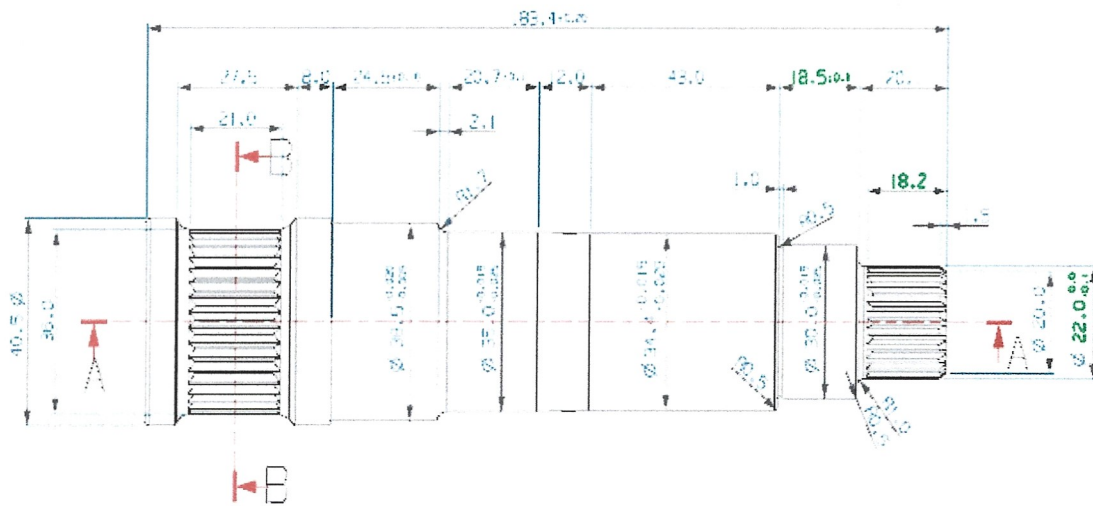
Point	Check Point	Spec.	Tolerance,permissible	Method of measurement	Remark
A	LENGTH	183.4	$\pm 0.2$	Hieght Gauge	
B	LENGTH	42.5	$\pm 0.15$	Hieght Gauge	
C	LENGTH	20.7	$\pm 0.1$	Hieght Gauge	
D	LENGTH	18.5	$\pm 0.1$	Hieght Gauge	
E	DIAMETER	39.5	+0.02 / +0.005	Micrometer	
F	DIAMETER	35.0	-0.015 / -0.025	Micrometer	
H	DIAMETER	30.0	-0.015 / -0.025	Micrometer	

### CTQ(Critical to Quality)

Point	Check Point	Spec.	Tolerance,permissible	Remark
Weight		1385g	$\pm 70g$	
A, B	Heat Treatment Hardness	HrC 40-50	-	

Special Comment 특이사항

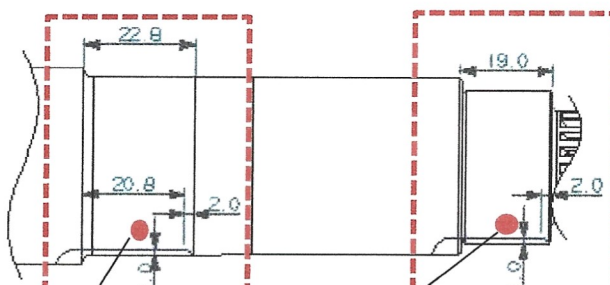
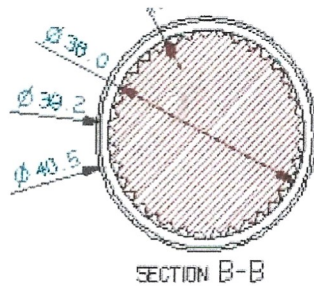
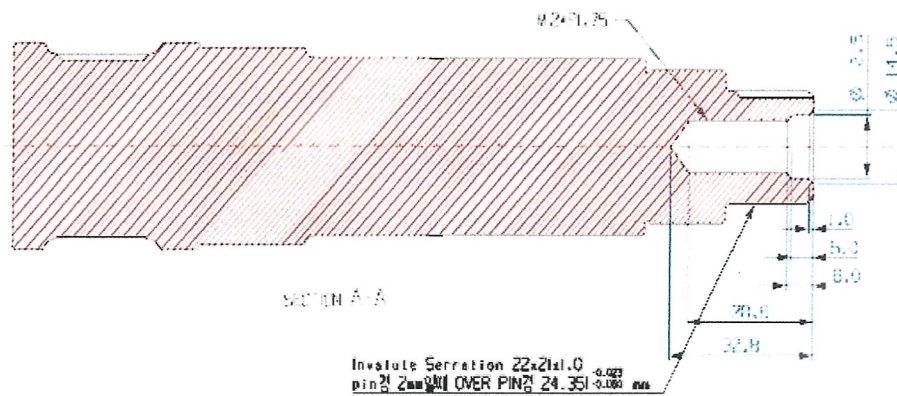
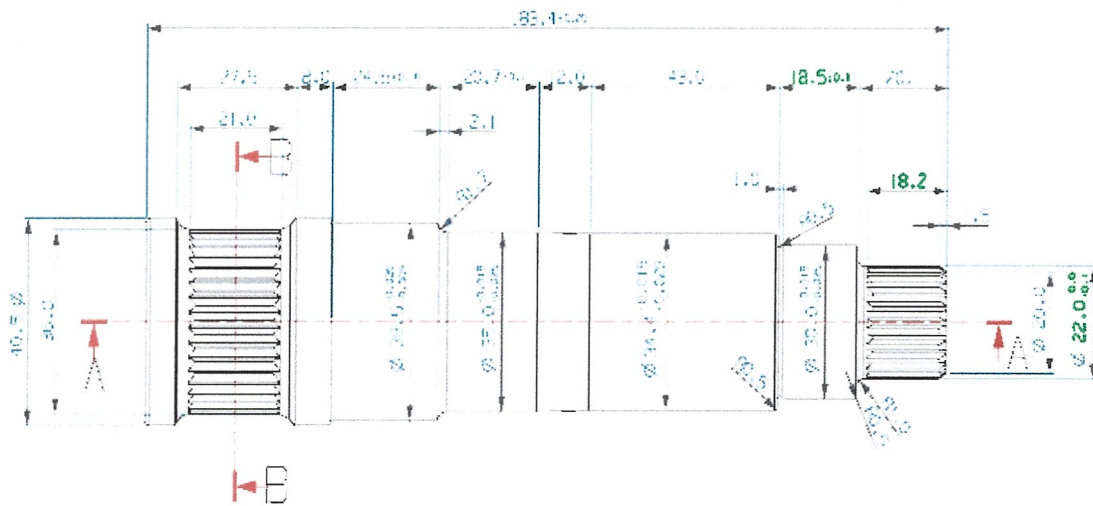
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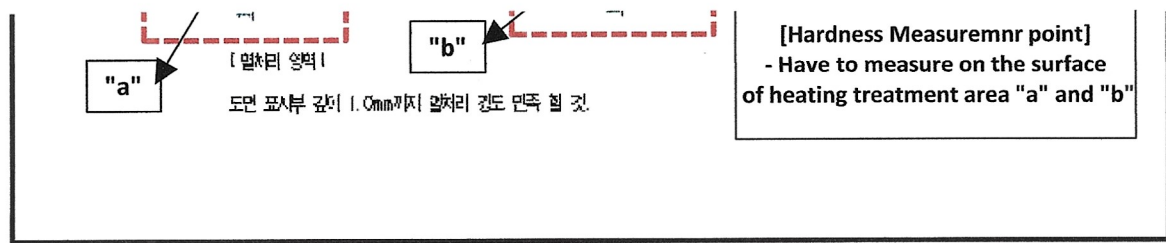


[Heat Treatment Area]  
- Have to meet the  
hardness up to depth  
1.0mm from surface

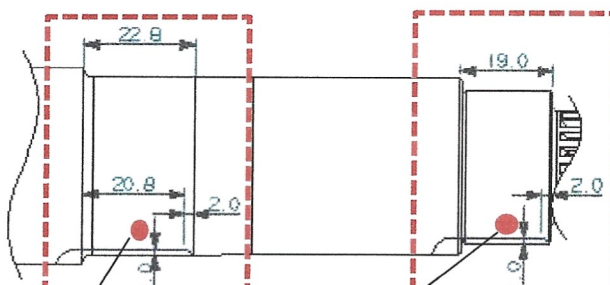
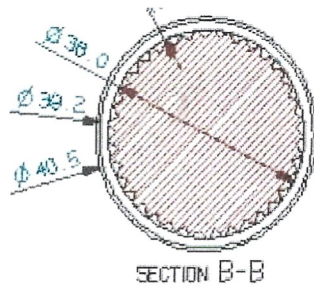
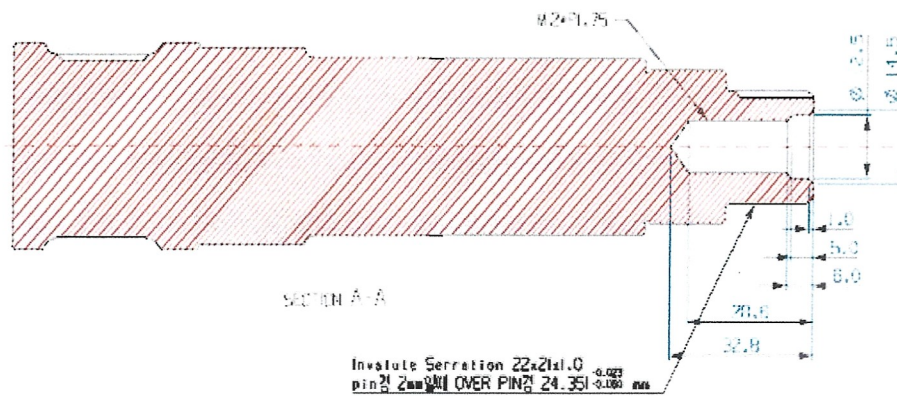
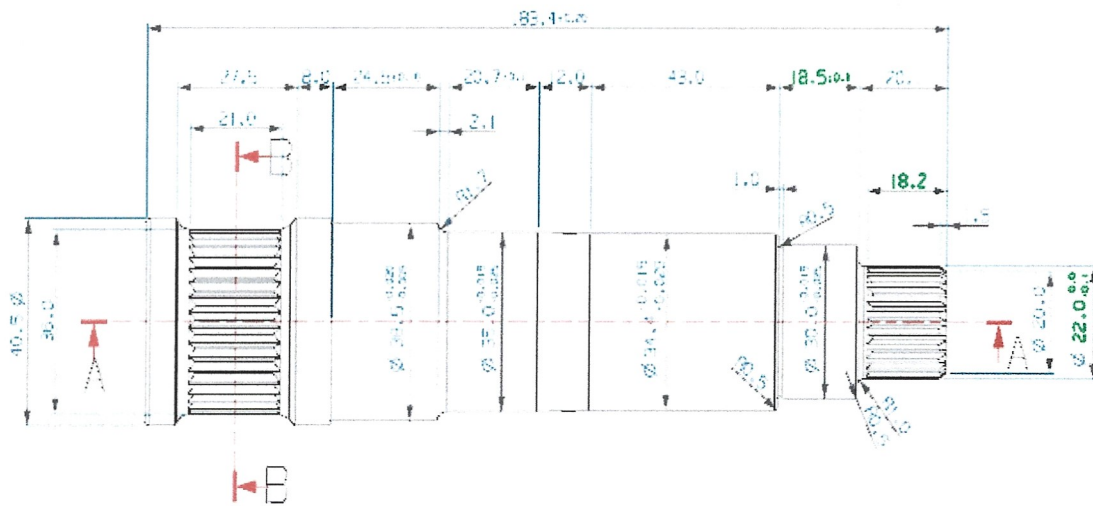


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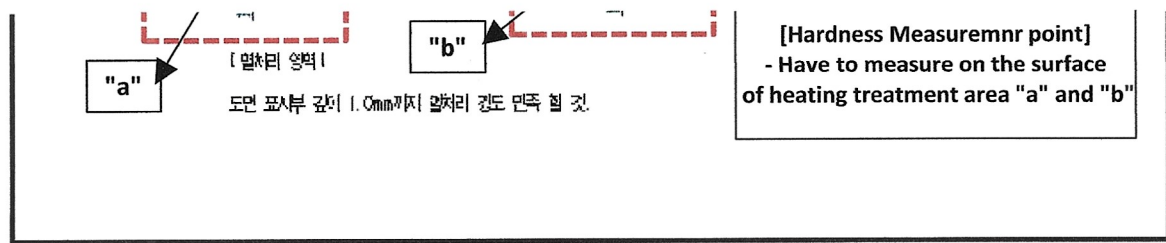




[SHAFT]



[Heat Treatment Area]  
- Have to meet the  
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1.0mm from surface



Note (Master)

1. MATERIAL SHOULD BE SATISFIED WITH RoHS REQUIREMENT AND MONTREAL PROTOCOL.
2. THIS PART SHOULD NOT CONTAIN ANY SUBSTANCE SPECIFIED IN DJII-0041K
3. PART "2" SHOULD BE INSERTED FROM PART "1" FORCEDLY. INSERT POWER: 10-15Mpa
4. IN INSERTING FORCEDLY, NO BREAK, WARPAGE, SCRATCH AND THE LIKE.
5. AFTER INSERTING BUSH-SHAFT, POLISHING UP THE GRINDING FACETS.
6. THE SURFACE ROUGHNESS SHOULD BE MEASURED AT 100μm, 10μm, 1μm.

6. THE SURFACE ROUGHNESS SHOULD BE MEASURED AT 100μm, 10μm, 1μm. (max: 0.35, Ra: 1.6μm)
7. CONSULT TO DESIGN DEPARTMENT IN ADVANCE FOR THE OTHER QUESTION OF MANUFACTURING.