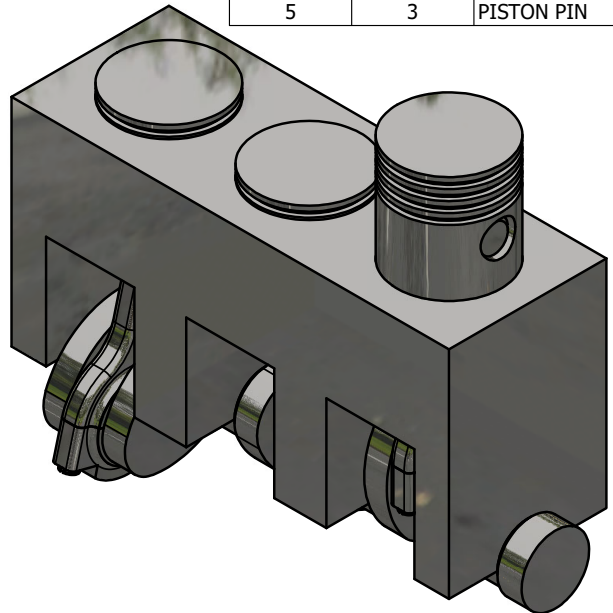


EXPLODED ASSEMBLY VIEW
SCALE 1 / 4

METRIC

GENERAL NOTES:
ALL FILETS AND ROUNDS R3 UNLESS SPECIFIED
ALL CHAMFERS 2 X 45.0° UNLESS SPECIFIED

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	ENGINE BLOCK	ALUMINUM 5005	
2	1	CRANK SHAFT	STEEL, MILD	
3	3	PISTON	STEEL, MILD	
4	3	CONNECTING ROD SUB-ASSEMBLY		
4.1	3	CONNECTING ROD TOP	STEEL, ALLOY	
4.2	3	CONNECTING ROD BOTTOM	STEEL, ALLOY	
4.3	6	SLOTTED FLAT COUNTERSUNK HEAD MACHINE SCREW	STEEL, MILD	IFI 513 - M5 X 0.8 X 30
5	3	PISTON PIN	STEEL, MILD	



MASTER ASSEMBLY
SCALE 1 / 2

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- ▽ DEPTH



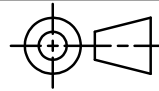
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET



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TOLERANCES UNLESS SPECIFIED:
MILLIMETER:
WHOLE NUMBER = ±.5
X = ±.25
XX = ±.12

ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE: DDGT240

INVENTOR DRAWING NAME
ENGINE MODEL

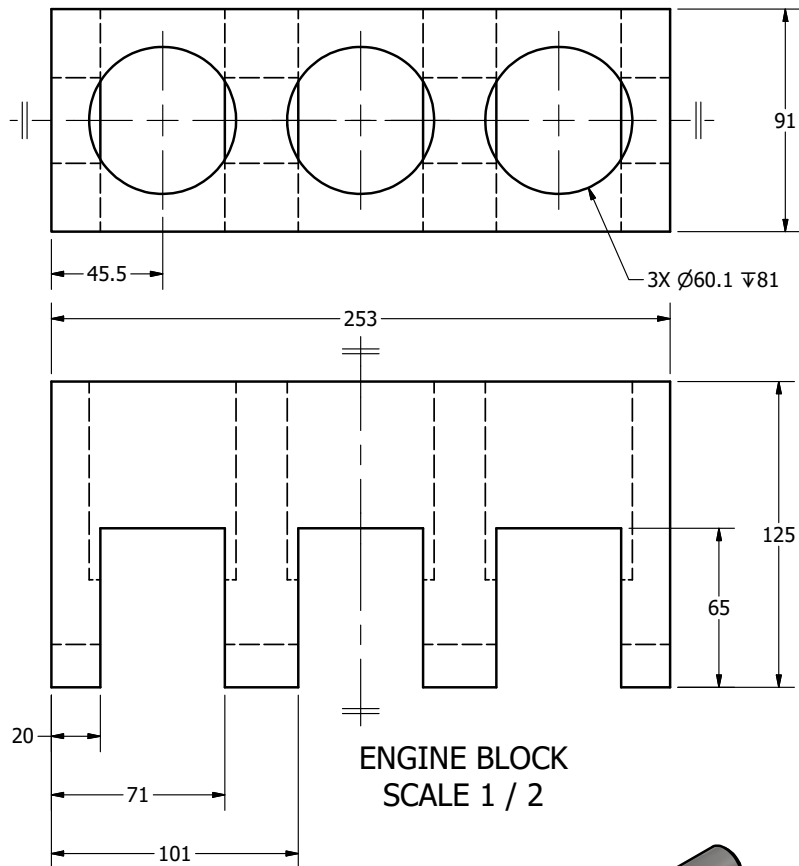
FIG #: 20.69

DRAFTER: N. RODRIGUEZ

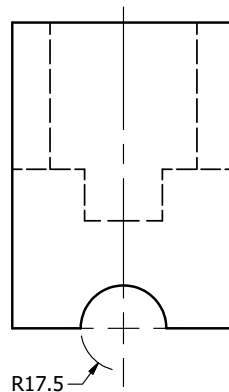
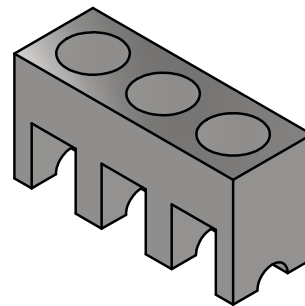
DATE: 10/12/2021

SCALE: AS NOTED

PAGE #: 1 OF 3



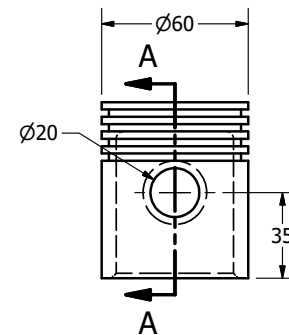
ENGINE BLOCK
SCALE 1 / 2



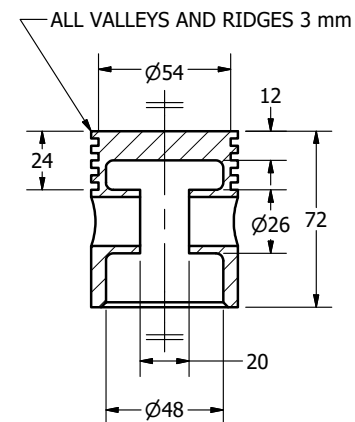
GENERAL NOTES:

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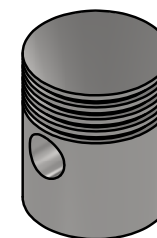
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	ENGINE BLOCK
3	3	PISTON
5	3	PISTON PIN



PISTON
SCALE 1 / 2



SECTION A-A
SCALE 1 / 2

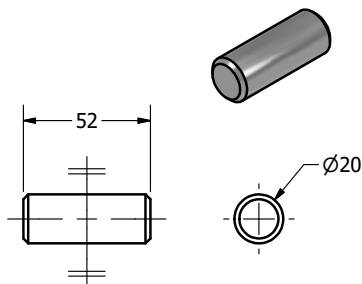


LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- ∇ DEPTH

METRIC

PISTON PIN
SCALE 1 / 2



DDGT

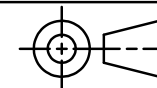
DIGITAL DESIGN
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X = ±.25
XX = ±.12
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE: DDGT240

INVENTOR DRAWING NAME
ENGINE MODEL

FIG #: 20.69

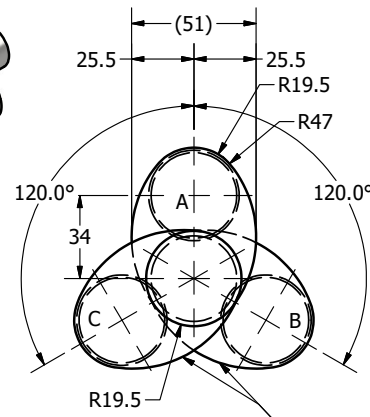
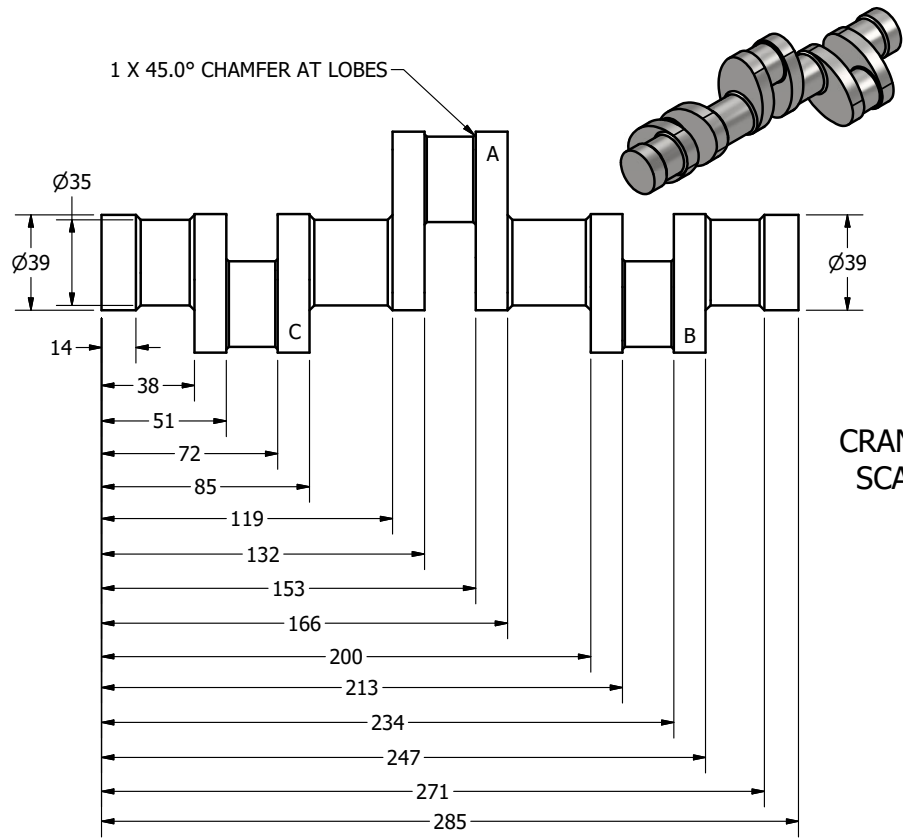
DRAFTER: N. RODRIGUEZ

DATE: 10/12/2021

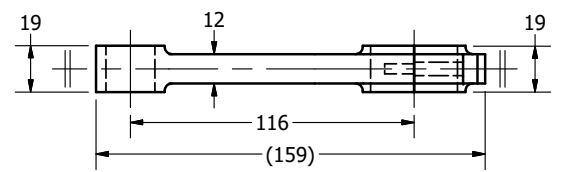
SCALE: AS NOTED

PAGE #: 2 OF 3

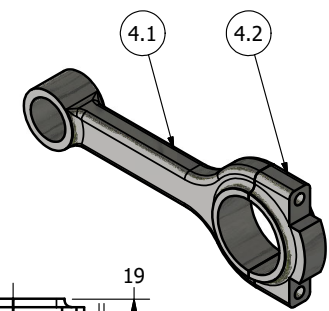
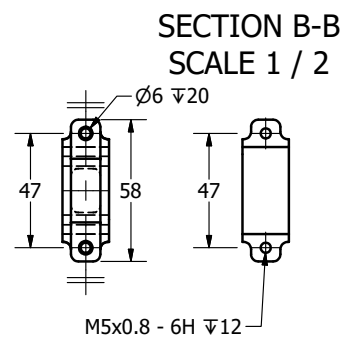
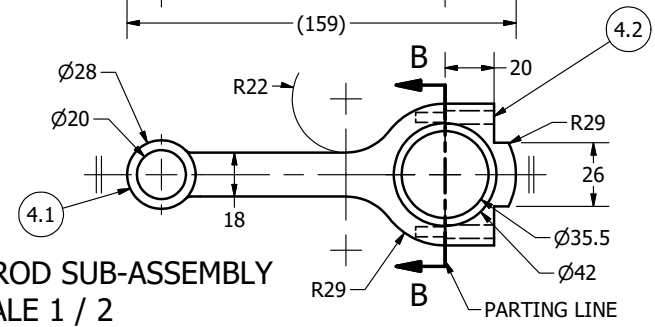
PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	CRANK SHAFT
4	3	CONNECTING ROD SUB-ASSEMBLY
4.1	3	CONNECTING ROD TOP
4.2	3	CONNECTING ROD BOTTOM



CRANK SHAFT
SCALE 1 / 2



CONNECTING ROD SUB-ASSEMBLY
SCALE 1 / 2



LEGEND:

Ø DIAMETER

R RADIUS

° DEGREES

∇ DEPTH

METRIC

GENERAL NOTES:
ALL FILETS AND ROUNDS R3 UNLESS SPECIFIED
ALL CHAMFERS 2 X 45.0° UNLESS SPECIFIED

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SURFACES 32 ✓

COURSE:	DDGT240
INVENTOR DRAWING NAME	ENGINE MODEL
FIG #:	20.69
DRAFTER:	N. RODRIGUEZ
DATE:	10/12/2021
SCALE:	AS NOTED
PAGE #:	3 OF 3