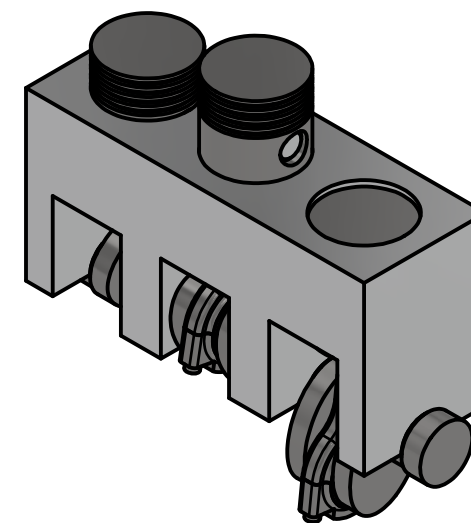


EXPLODED ASSEMBLY
SCALE 1 / 4

GENERAL NOTES:
CHAMFERS 2 X 45° UNLESS
OTHERWISE SPECIFIED

METRIC

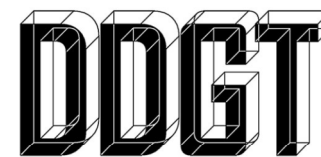
PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	UPPER ENGINE BLOCK	ALUMINIUM 6061	
2	1	CRANCK SHAFT	STAINLESS STEEL	
3	3	PISTON	STAINLESS STEEL	
4	1	CONNECTING ROD ASSEMBLY		
4.1	3	UPPER CONNECTING ROD	STAINLESS STEEL	
4.2	3	LOWER CONNECTING ROD	STAINLESS STEEL	
4.3	6	AS 1420 - 1973 - M5 x 25	MILD STEEL	ISO METRIC HEXAGON SOCKET HEAD CAP SCREW
5	3	PISTON PIN	ALUMINIUM 6061	



ASSEMBLY
SCALE 1 / 4

LEGEND:

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



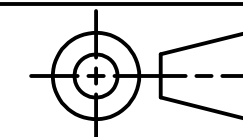
DIGITAL DESING
GRAPHIC
TECHNOLOGY

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TOLERANCES UNLESS SPECIFIED:
MILLIMETERS:
WHOLE NUMBERS = ±.020
X = ±.25
XX = ±.12

ANGLES ±1 DEGREE
SURFACES $\sqrt{32}$

COURS: DDGT 240

INVENTOR DRAWING NAME:
ENGINE MODEL

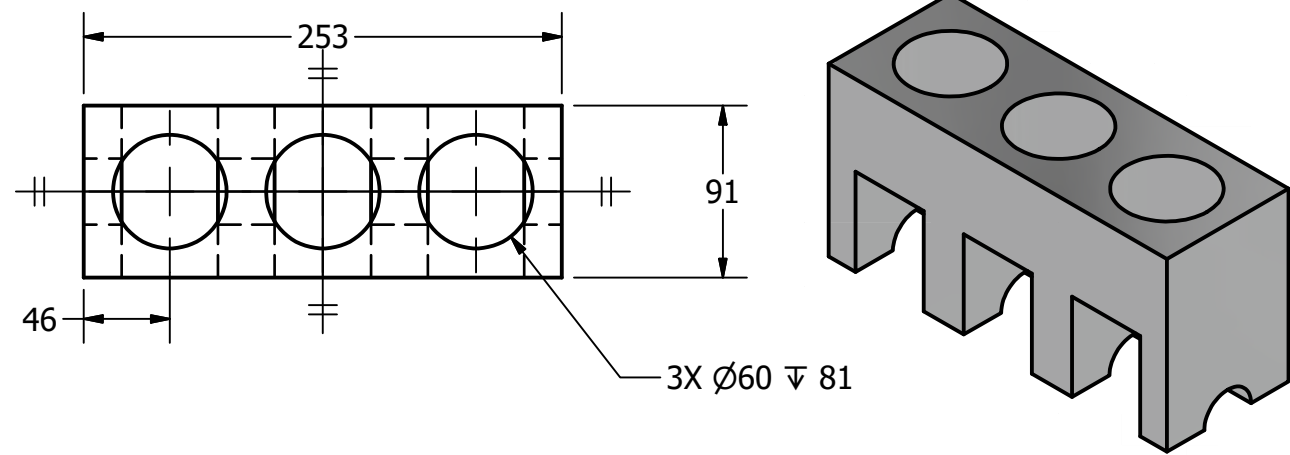
FIG #: 20.69

DRAFTER: C. MCCALL

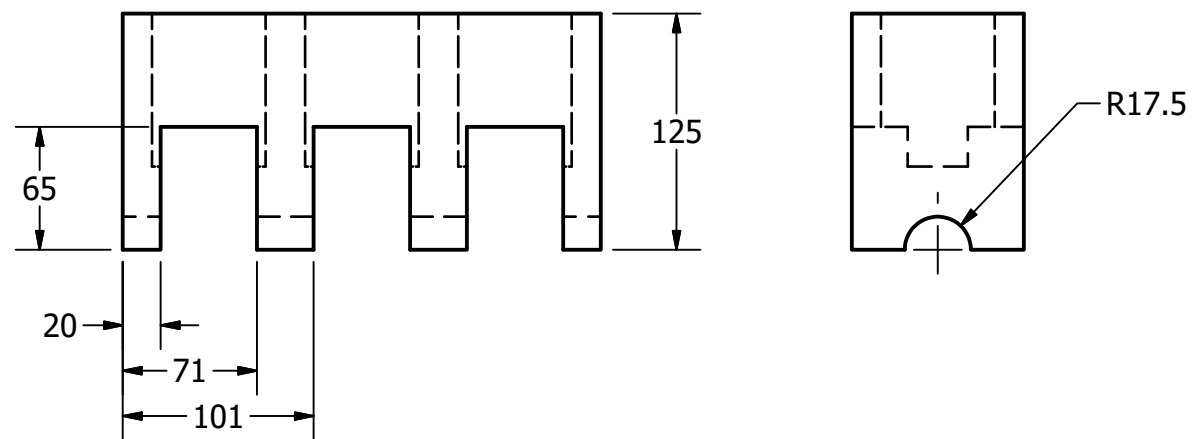
DATE: 6/12/2019

SCALE: AS NOTED

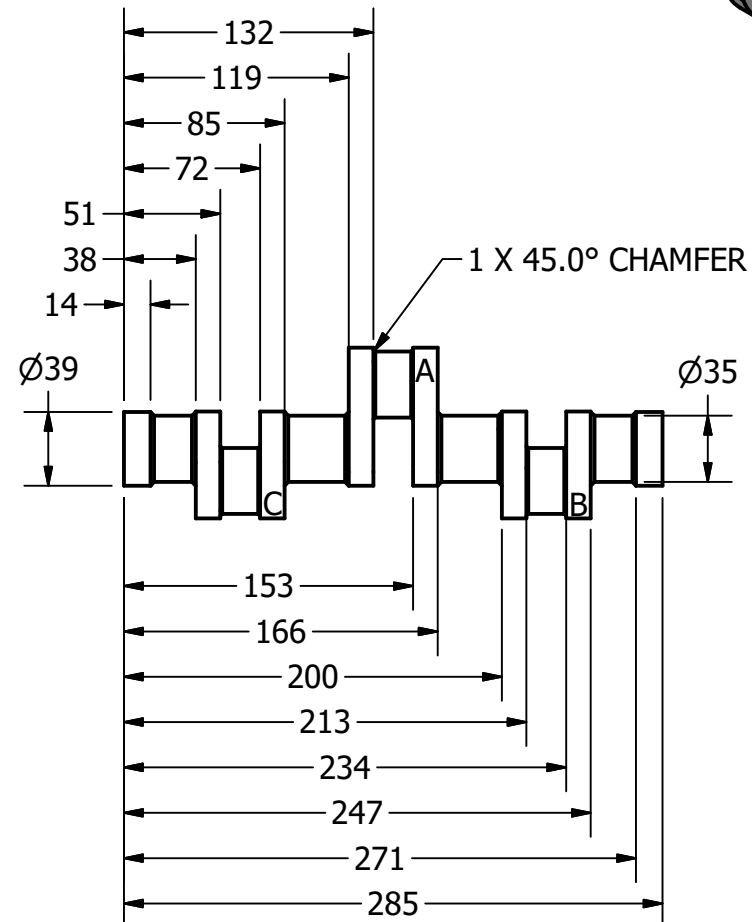
PAGE #: 1 OF 3



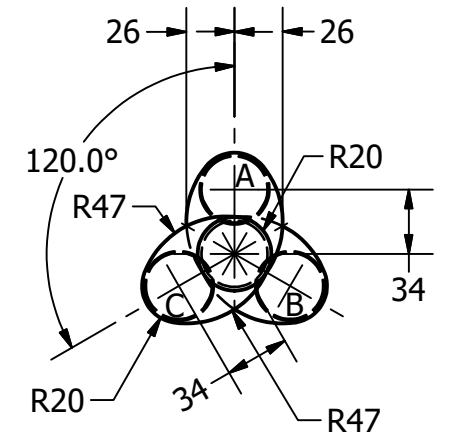
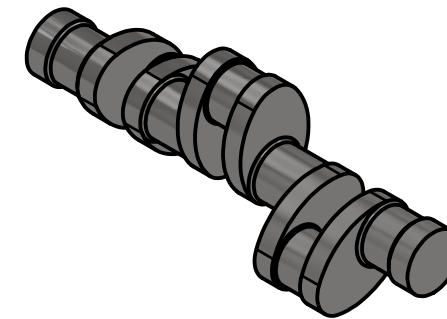
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	UPPER ENGINE BLOCK
2	1	CRANCK SHAFT



UPPER ENGINE BLOCK
SCALE 1 / 4



CRANCK SHAFT
SCALE 1 / 4



LEGEND:

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

GENERAL NOTES:

CHAMFERS 2 X 45° UNLESS OTHERWISE SPECIFIED

METRIC

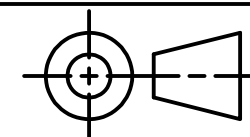


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ANGLES ±1 DEGREE
SURFACES 32 ✓

COURS: DDGT 240

INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: 20.69

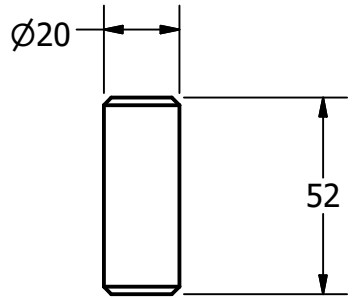
DRAFTER: C. MCCALL

DATE: 6/12/2019

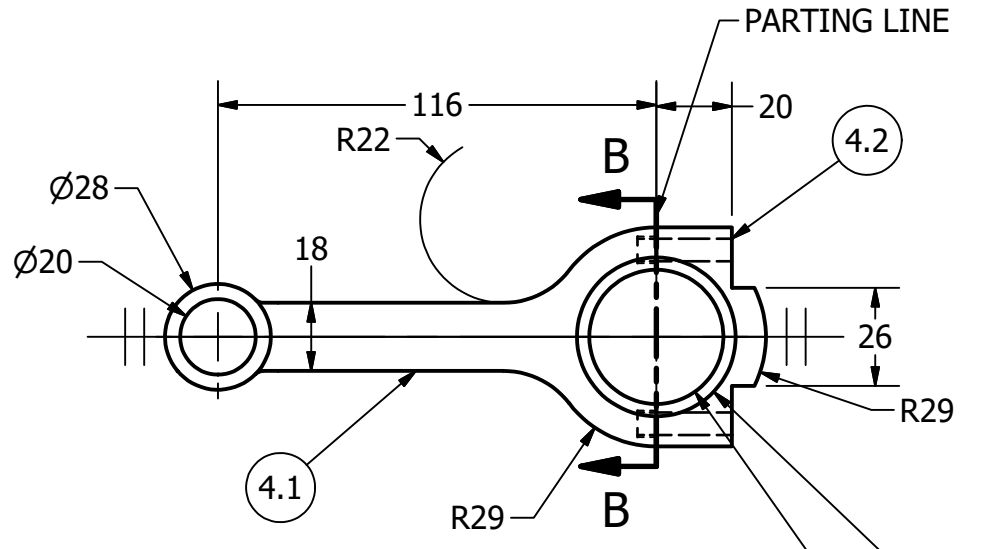
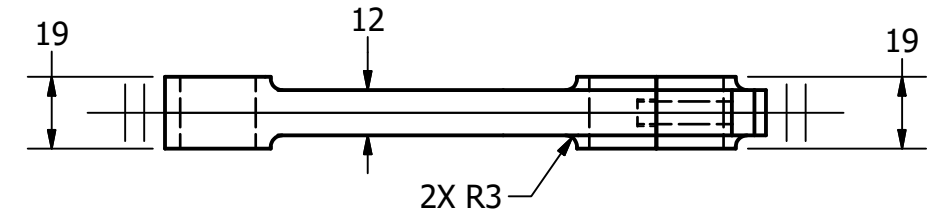
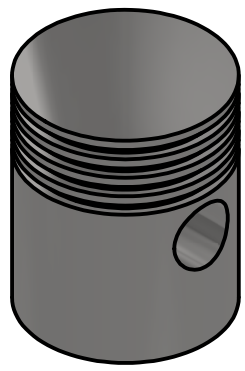
SCALE: AS NOTED

PAGE #: 2 OF 3

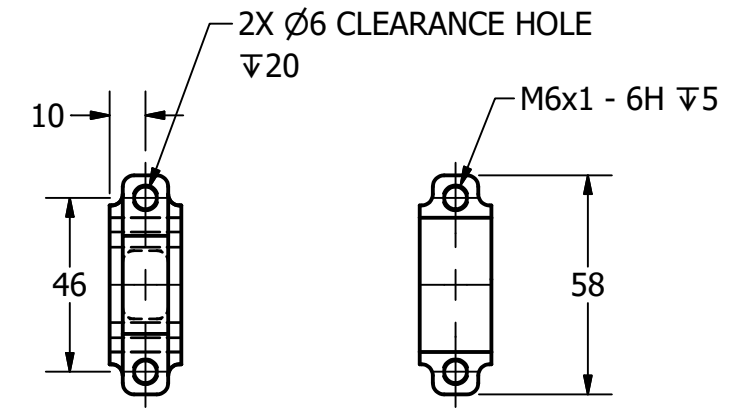
PARTS LIST		
ITEM	QTY	PART NUMBER
3	3	PISTON
4	1	CONNECTING ROD ASSEMBLY
4.1	3	UPPER CONNECTING ROD
4.2	3	LOWER CONNECTING ROD
5	3	PISTON PIN



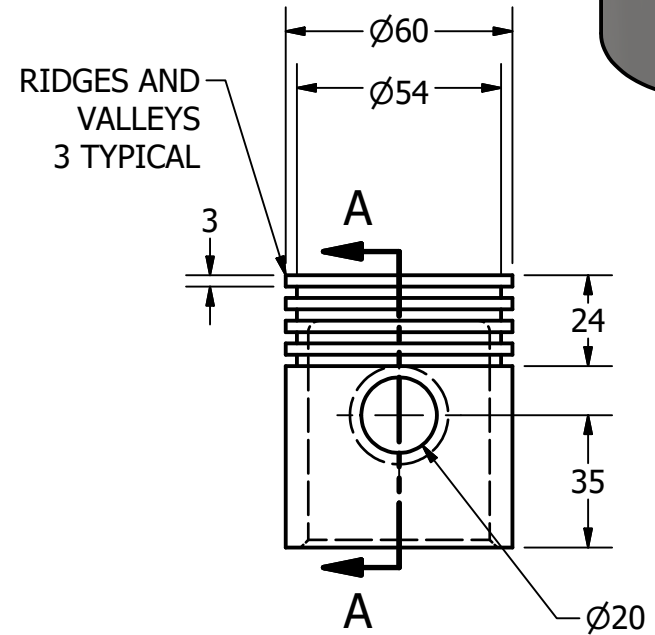
PISTON PIN
SCALE 1 / 2



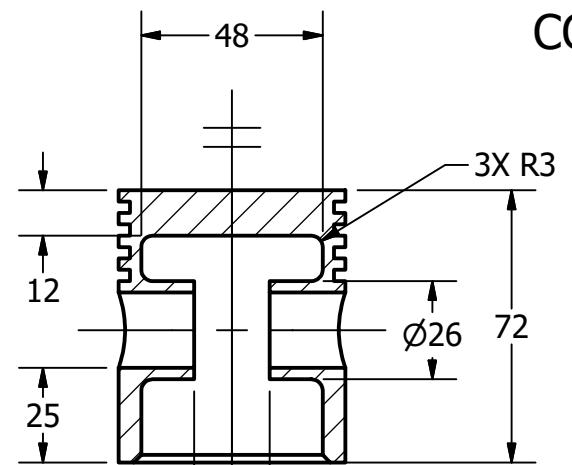
CONNECTING ROD
SCALE 1 / 2



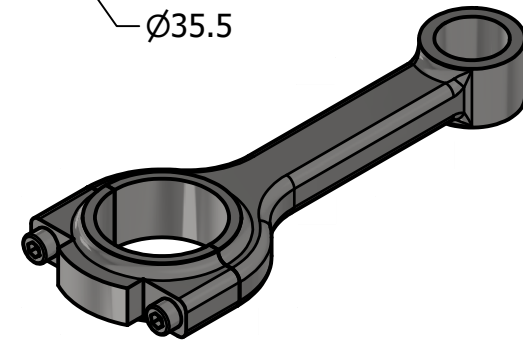
SECTION B-B
SCALE 1 / 2



PISTON
SCALE 1 / 2



SECTION A-A
SCALE 1 / 2



LEGEND:

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

GENERAL NOTES:
CHAMFERS 2 X 45° UNLESS OTHERWISE SPECIFIED

METRIC

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ANGLES ±1 DEGREE
SURFACES 32✓

COURS:	DDGT 240
INVENTOR DRAWING NAME:	ENGINE MODEL
FIG #:	20.69
DRAFTER:	C. MCCALL
DATE:	6/12/2019
SCALE:	AS NOTED
PAGE #:	3 OF 3