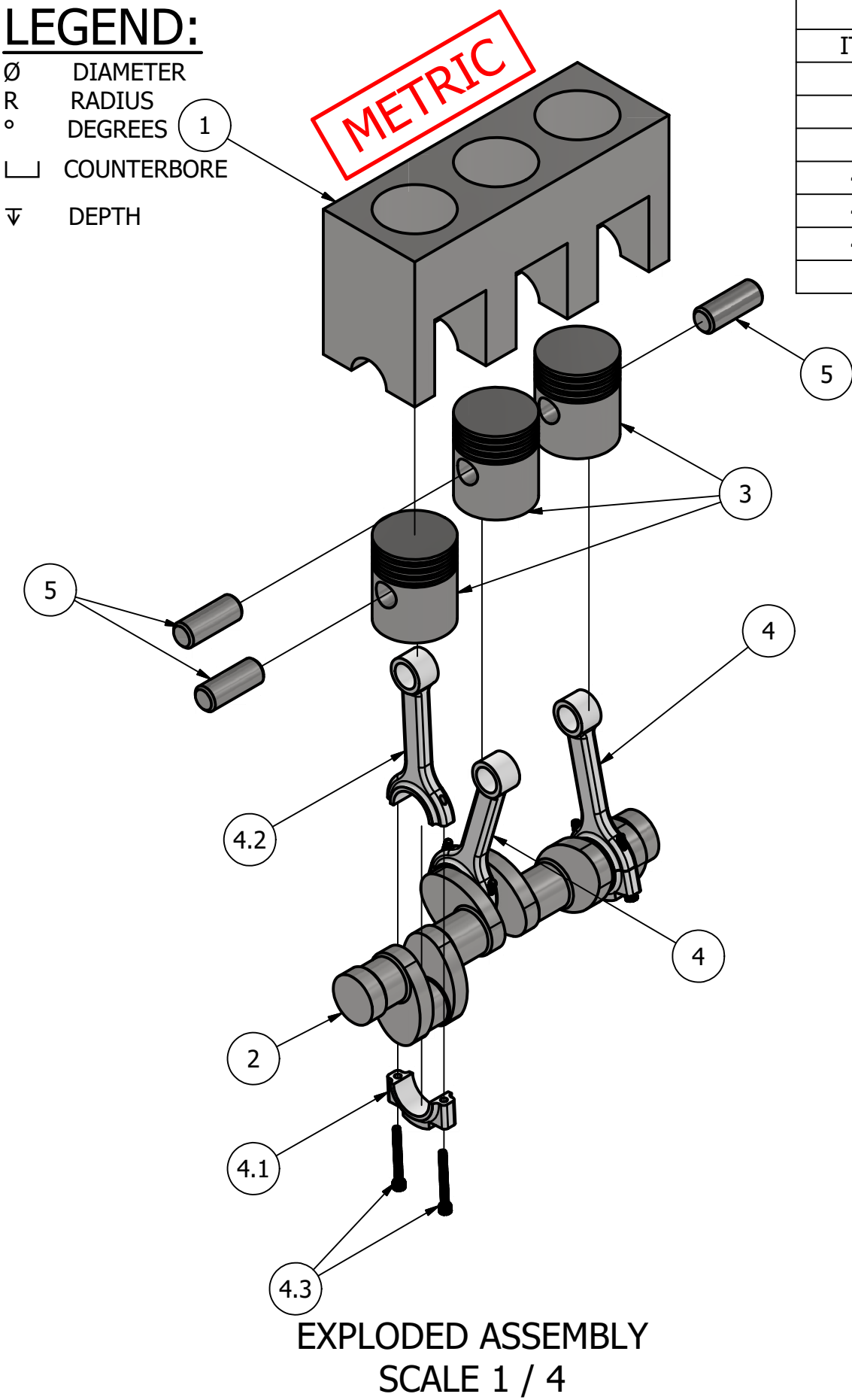
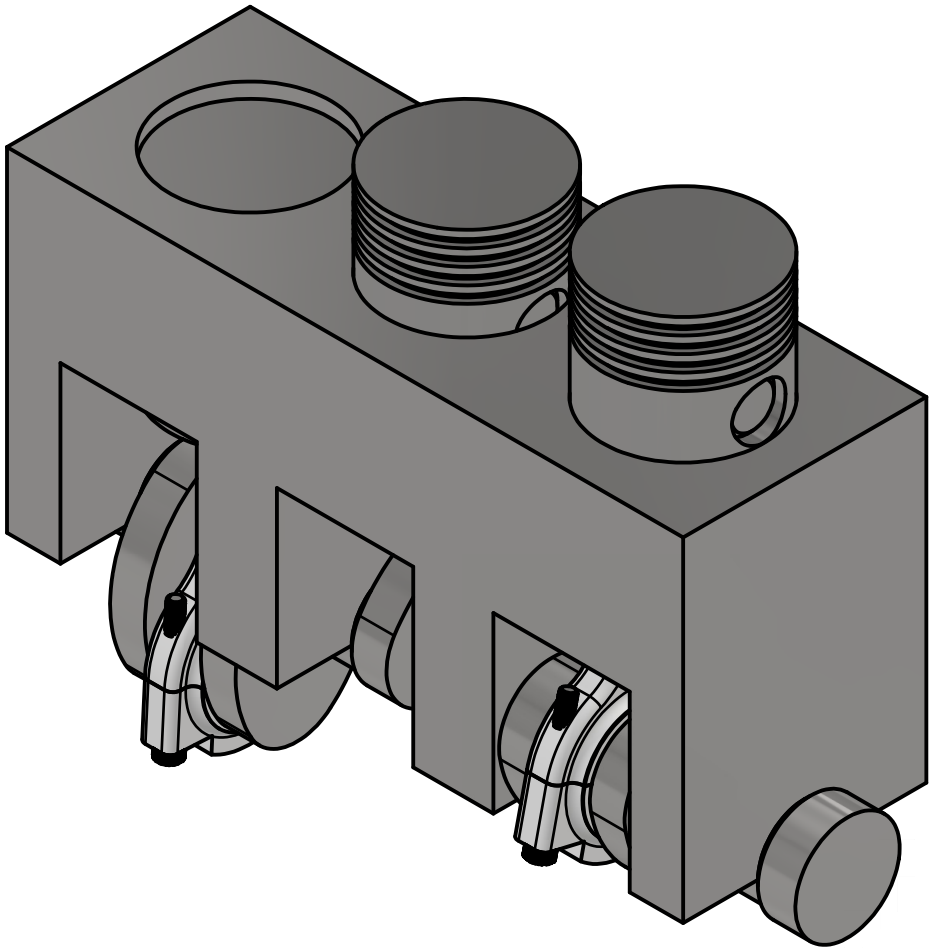


LEGEND:

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

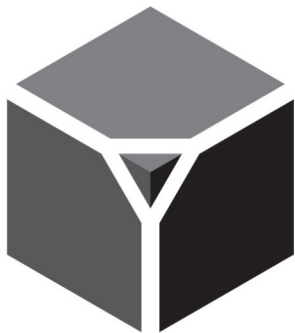


PARTS LIST				
ITEM	QTY	PART NAME	MATERIAL	DESCRIPTION
1	1	ENGINE BLOCK	CAST STEEL	
2	1	CRANKSHAFT	CAST IRON	
3	3	PISTON	ALLOY STEEL	
4.1	3	CONNECTING ROD TOP	STEEL	
4.2	3	CONNECTING ROD BOTTOM	STEEL	
4.3	6	BOLT	STAINLESS STEEL	MCMASTER #91290A197
5	3	PISTON PIN	STEEL	

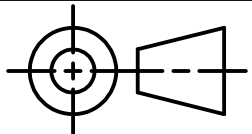


DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET



ASHLAR
BY J. HUCKABY



TOLERANCES UNLESS SPECIFIED:
MILLIMETERS:
WHOLE NUMBERS = ±.5
X = ±.25
XX = ±.12
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32

CLASS: DDGT 240

ASSIGNMENT NUMBER: 64

INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: FIG #20-69

MANAGER: G. STROMMEN

DRAFTER: J. HUCKABY

DATE: 17-Nov-25

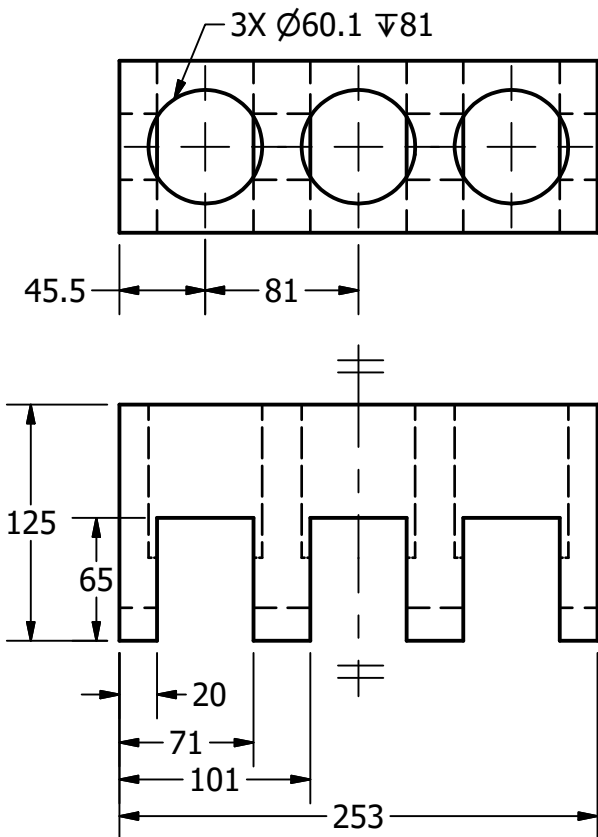
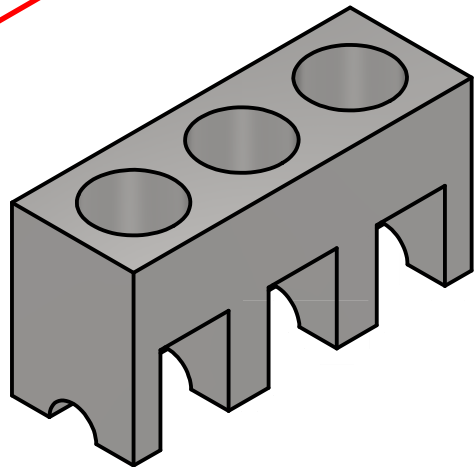
SCALE: AS NOTED

PAGE #: 1 OF 3

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- COUNTERBORE
- ▽ DEPTH

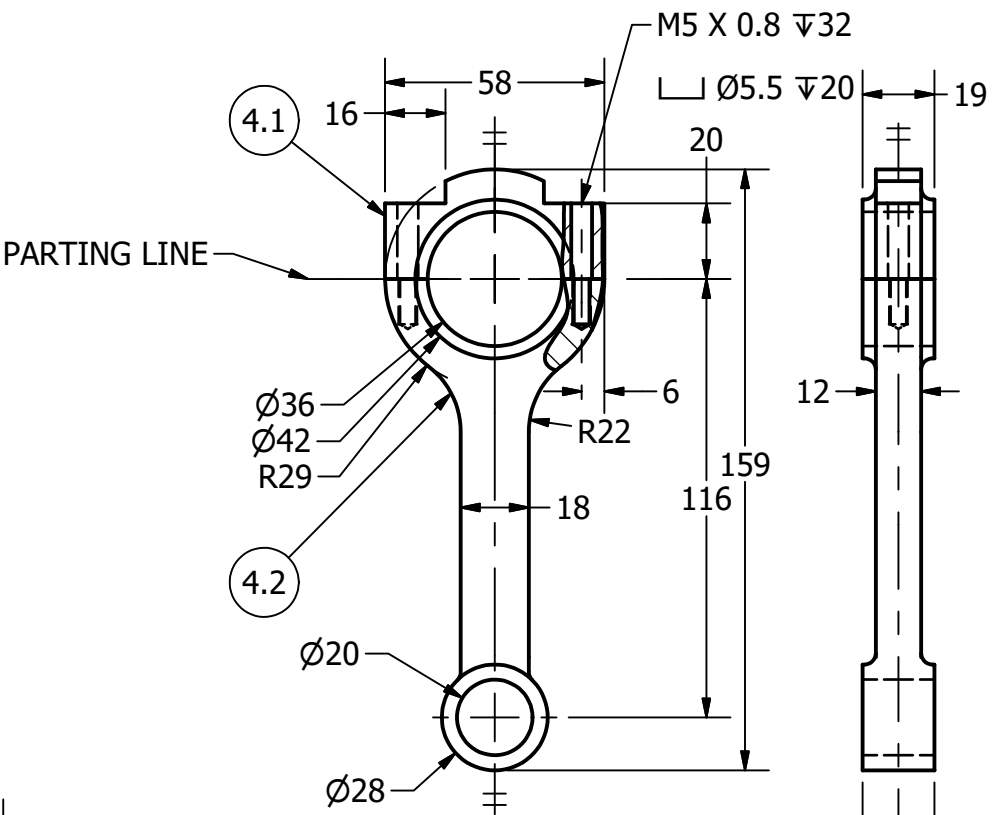
METRIC



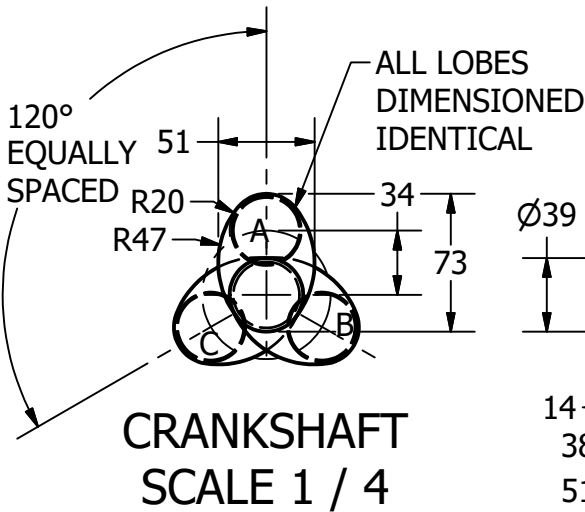
ENGINE BLOCK
SCALE 1/4

GENERAL NOTES:

CHAMFERS 2 X 45°, ROUNDS AND
FILLET R3 UNLESS STATED
OTHERWISE

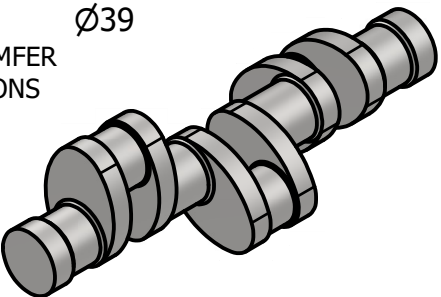
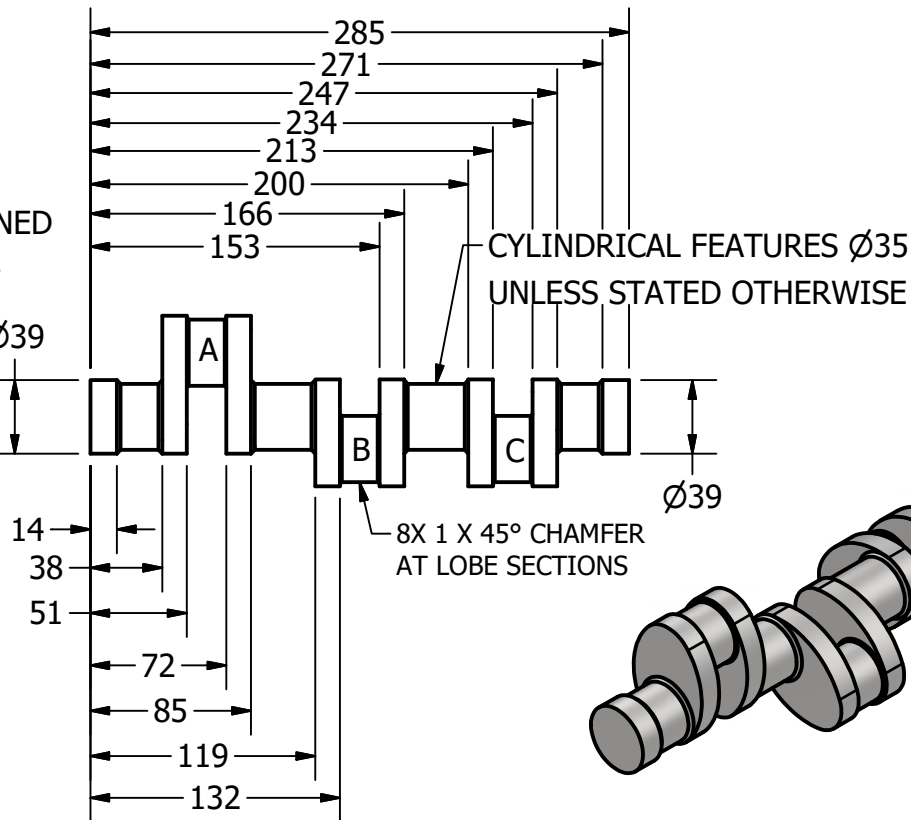


CONNECTING ROD
SCALE 1 / 2



CRANKSHAFT
SCALE 1 / 4

PARTS LIST		
ITEM	QTY	PART NAME
1	1	ENGINE BLOCK
2	1	CRANKSHAFT
4.1	3	CONNECTING ROD TOP
4.2	3	CONNECTING ROD BOTTOM

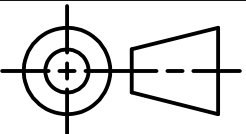


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SURFACES 32

CLASS: DDGT 240

ASSIGNMENT NUMBER: 64

INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: FIG #20-69

MANAGER: G. STROMMEN

DRAFTER: J. HUCKABY

DATE: 17-Nov-25

SCALE: AS NOTED

PAGE #: 2 OF 3

LEGEND:

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

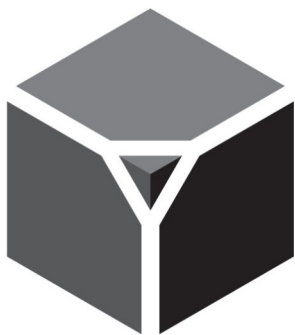
METRIC

PARTS LIST		
ITEM	QTY	PART NAME
3	3	PISTON
5	3	PISTON PIN

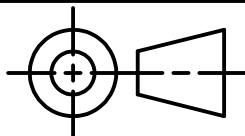


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INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: FIG #20-69

MANAGER: G. STROMMEN

DRAFTER: J. HUCKABY

DATE: 17-Nov-25

SCALE: AS NOTED

PAGE #: 3 OF 3

GENERAL NOTES:

CHAMFERS 2 X 45°, ROUNDS AND
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OTHERWISE

