

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	ENGINE BLOCK	AUMINIUM	
2	1	CRANK SHAFT	STEEL	
3	3	PISTON	STEEL	
4	3	CONNECTING ROD	STEEL	
4.1	3	CONNECTING ROD TOP	STEEL	
4.2	3	CONNECTING ROD BOTTOM	STEEL	
4.3	6	BS 3692 - M5 x 28	STEEL ALOY	CONTENT CENTER
5	3	PISTON PIN	STEEL	

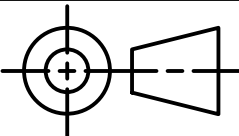


DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET



Paul Bell
3D Modeling and Design
paulbell1802@gmail.com
https://ddgt.net/studentpages/pbell



TOLERANCES UNLESS SPECIFIED:
MILLIMETERS: ±5
X = ±.025
XX = ±.012

FRACTIONAL ±1/64"
ANGLES ±1 DEGREE

SURFACES $\sqrt{32}$

CLASS: DDGT 240

ASSIGNMENT #: 64

INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: 20.69

MANAGER: G. STROMMEN

DRAFTER: P. BELL

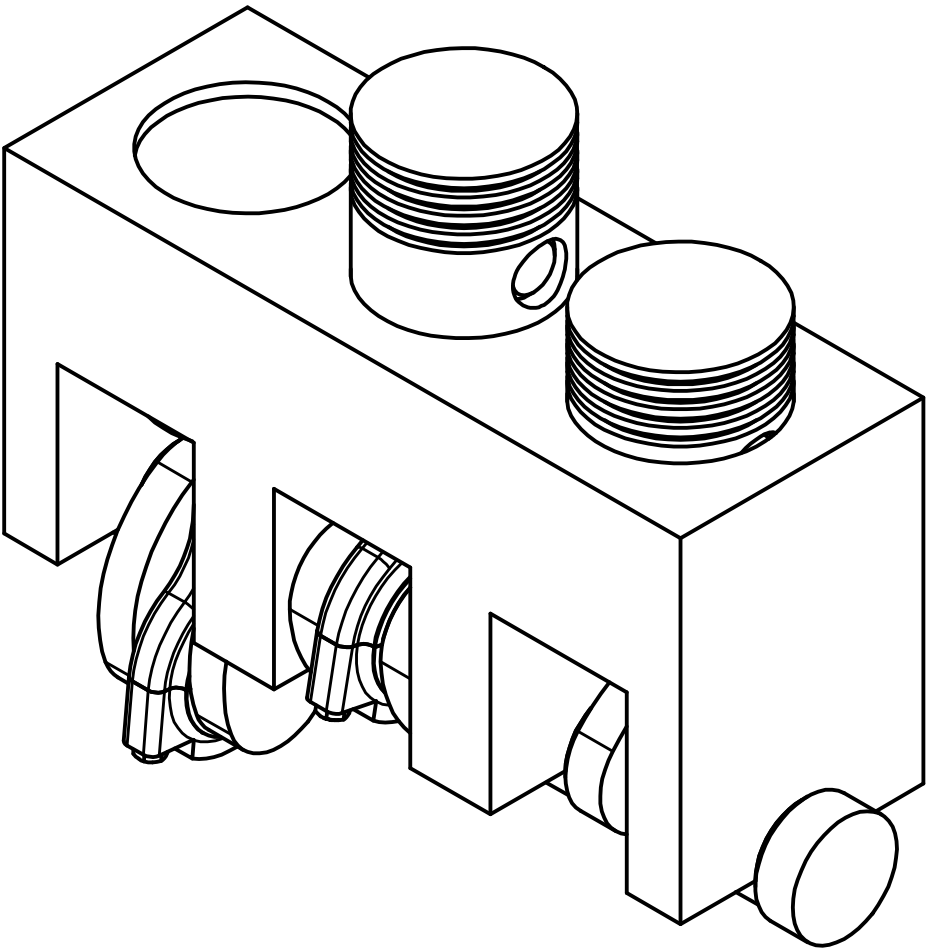
DATE: 11/3/2025

SCALE: AS NOTED

PAGE #: 1 OF 6

GENERAL NOTES:

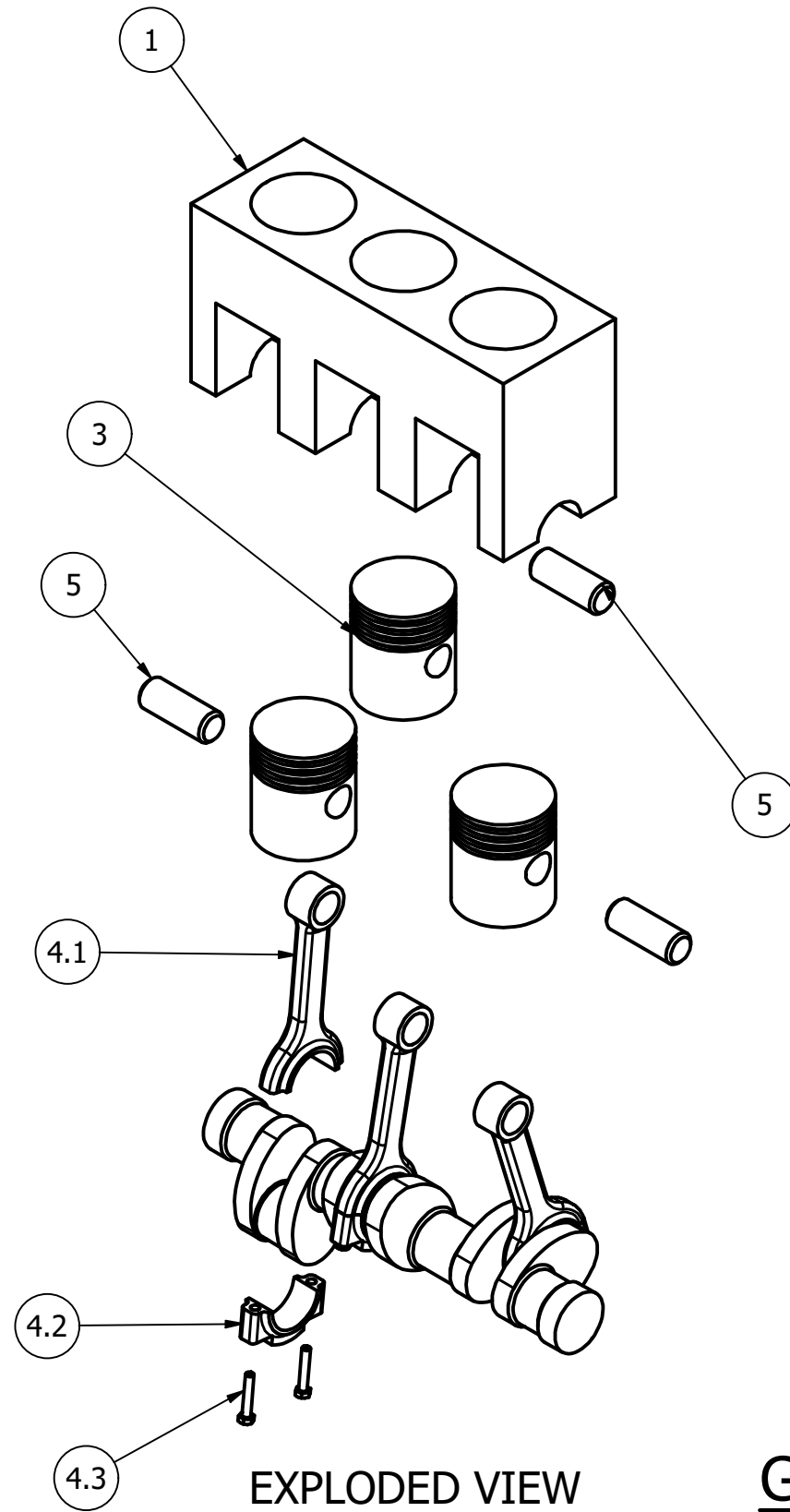
ALL CHAMFERS 2 X 45° UNLESS OTHERWISE SPECIFIED
ALL FILLETS AND ROUNDS R3 UNLESS OTHERWISE SPECIFIED



LEGEND:

- Ø DIAMETER
- R RADIUS
- ° ANGLE
- COUNTERBORE/SPOTFACE
- ✓ COUNTERSINK
- ▽ DEPTH
- CUBED

METRIC



EXPLODED VIEW
SCALE 1 / 4

GENERAL NOTES:

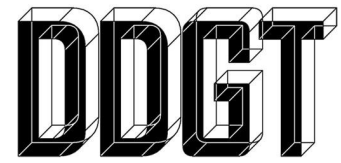
ALL CHAMFERS 2 X 45° UNLESS OTHERWISE SPECIFIED
ALL FILLETS AND ROUNDS R3 UNLESS OTHERWISE SPECIFIED

PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
1	1	ENGINE BLOCK	AUMINIUM
2	1	CRANK SHAFT	STEEL
3	3	PISTON	STEEL
4	3	CONNECTING ROD	STEEL
4.1	3	CONNECTING ROD TOP	STEEL
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LEGEND:

- Ø DIAMETER
- R RADIUS
- ° ANGLE
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- ∨ COUNTERSINK
- ▽ DEPTH
- CUBED

METRIC

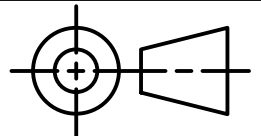


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SURFACES ³²✓

CLASS:	DDGT 240
ASSIGNMENT #:	64
INVENTOR DRAWING NAME:	ENGINE MODEL
FIG #:	20.69
MANAGER:	G. STROMMEN
DRAFTER:	P. BELL
DATE:	11/3/2025
SCALE:	AS NOTED
PAGE #:	2 OF 6

GENERAL NOTES:

ALL CHAMFERS 2 X 45° UNLESS OTHERWISE SPECIFIED
ALL FILLETS AND ROUNDS R3 UNLESS OTHERWISE SPECIFIED

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	ENGINE BLOCK

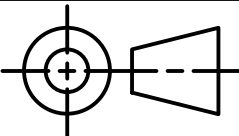


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CLASS: DDGT 240

ASSIGNMENT #: 64

INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: 20.69

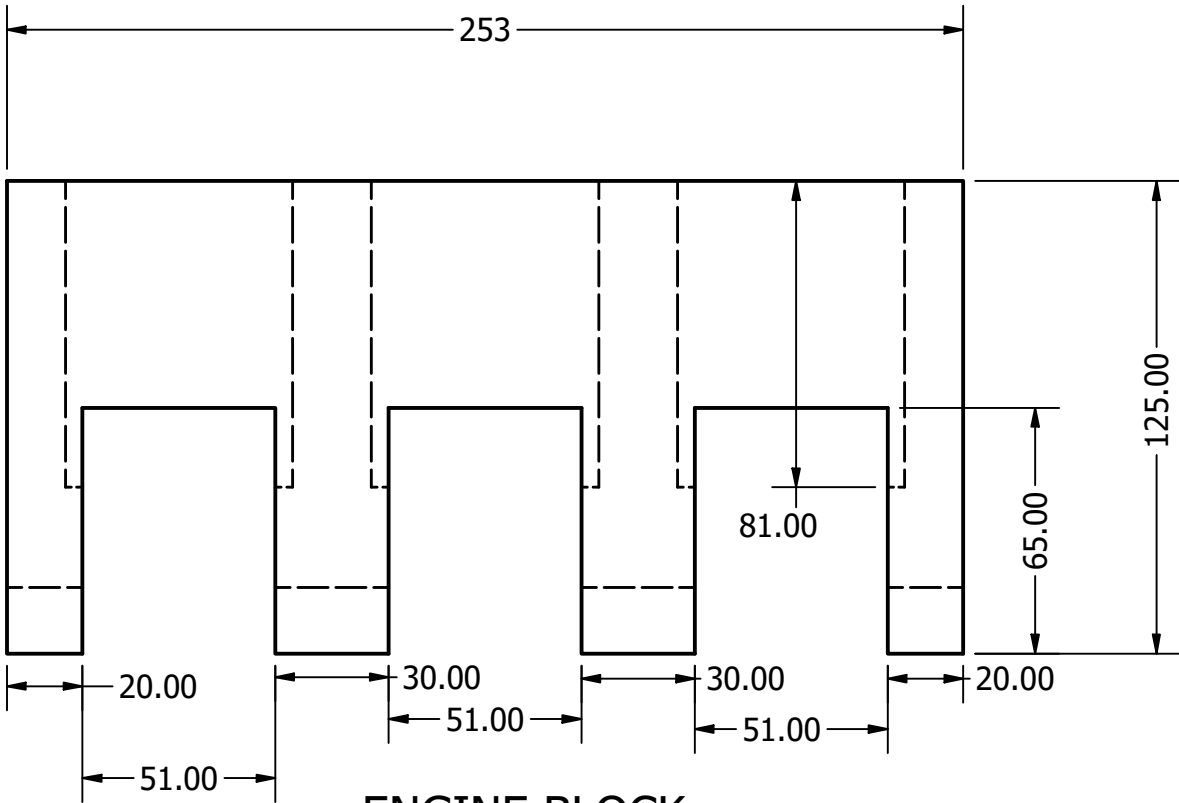
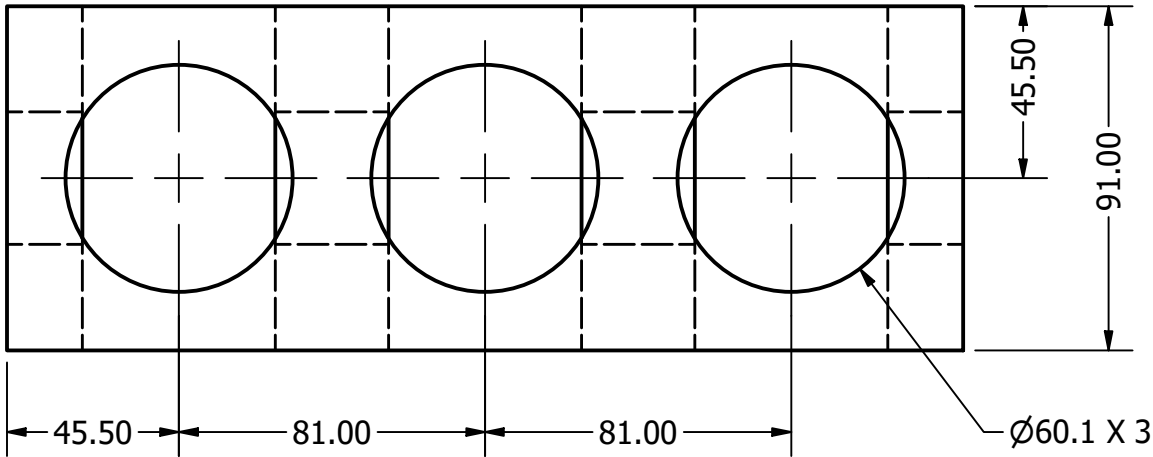
MANAGER: G. STROMMEN

DRAFTER: P. BELL

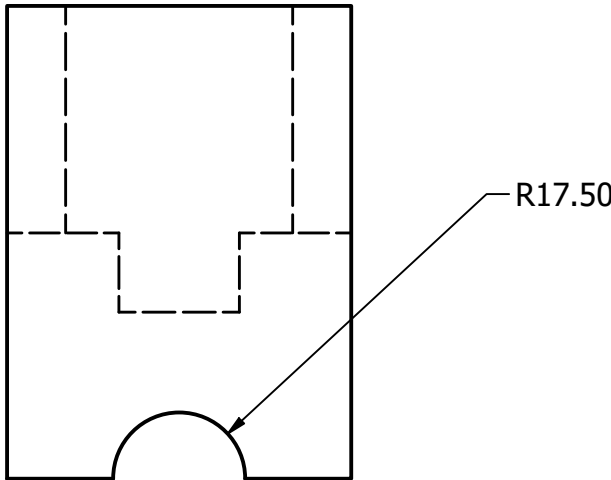
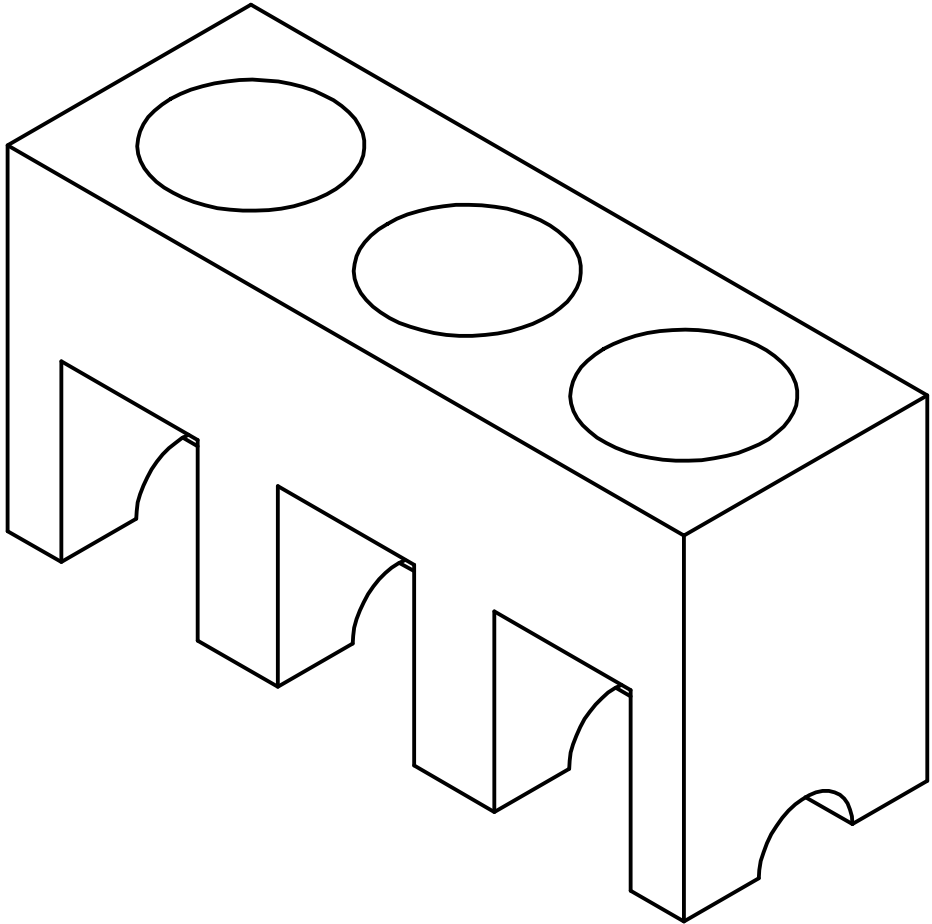
DATE: 11/3/2025

SCALE: AS NOTED

PAGE #: 3 OF 6



ENGINE BLOCK
SCALE 1 / 2



METRIC

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° ANGLE
- └─┘ COUNTERBORE/SPOTFACE
- ✓ COUNTERSINK
- ▽ DEPTH
- CUBED

PARTS LIST		
ITEM	QTY	PART NUMBER
3	3	PISTON

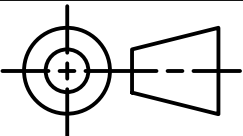


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CLASS: DDGT 240

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INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: 20.69

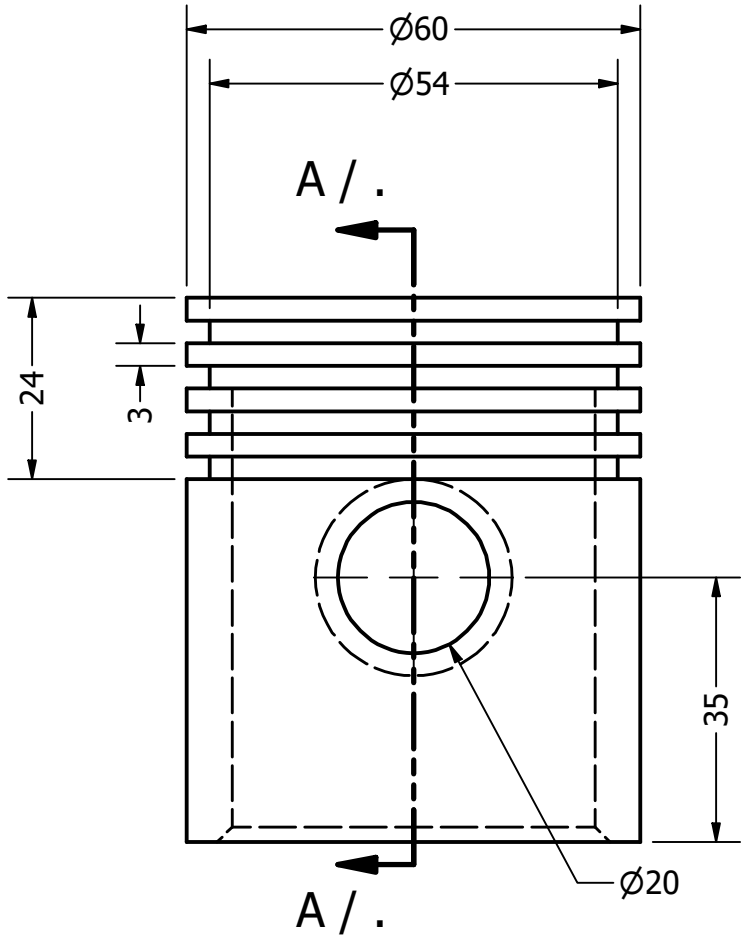
MANAGER: G. STROMMEN

DRAFTER: P. BELL

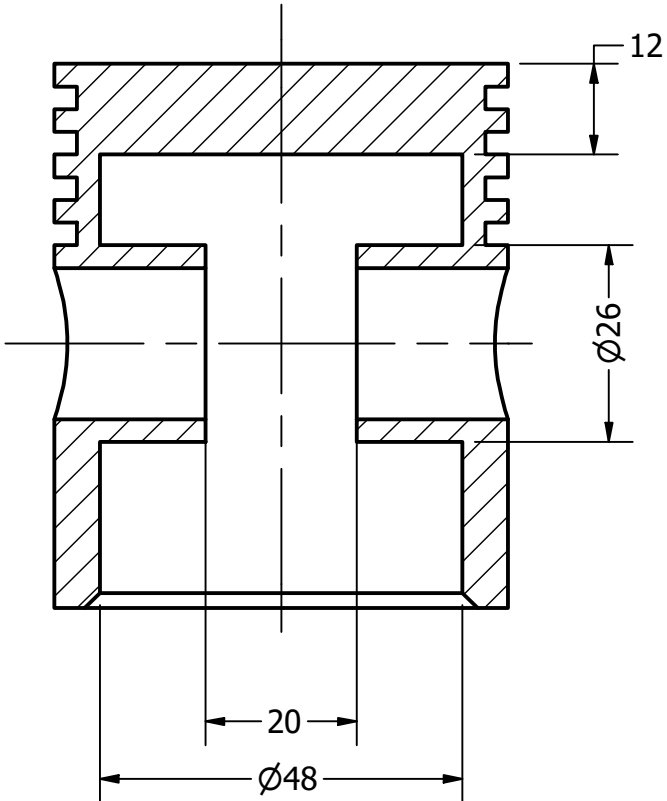
DATE: 11/3/2025

SCALE: AS NOTED

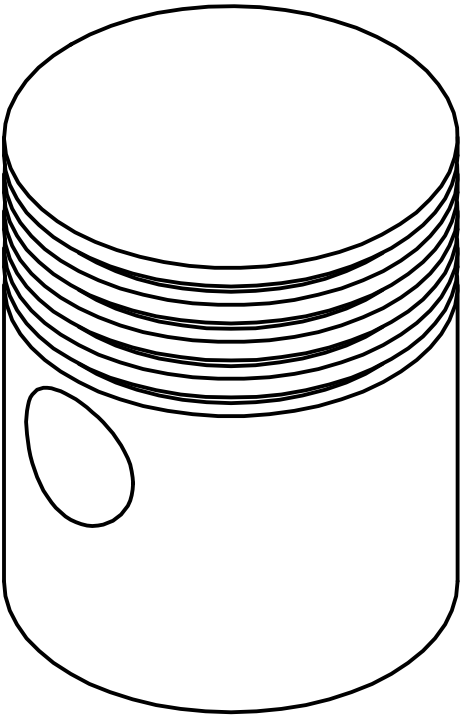
PAGE #: 5 OF 6



PISTON
SCALE 1 : 1



SECTION A-A
SCALE 1 : 1 / .



PARTS LIST		
ITEM	QTY	PART NUMBER
4	3	CONNECTING ROD
4.1	3	CONNECTING ROD TOP
4.2	3	CONNECTING ROD BOTTOM

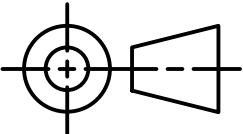


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INVENTOR DRAWING NAME:
ENGINE MODEL

FIG #: 20.69

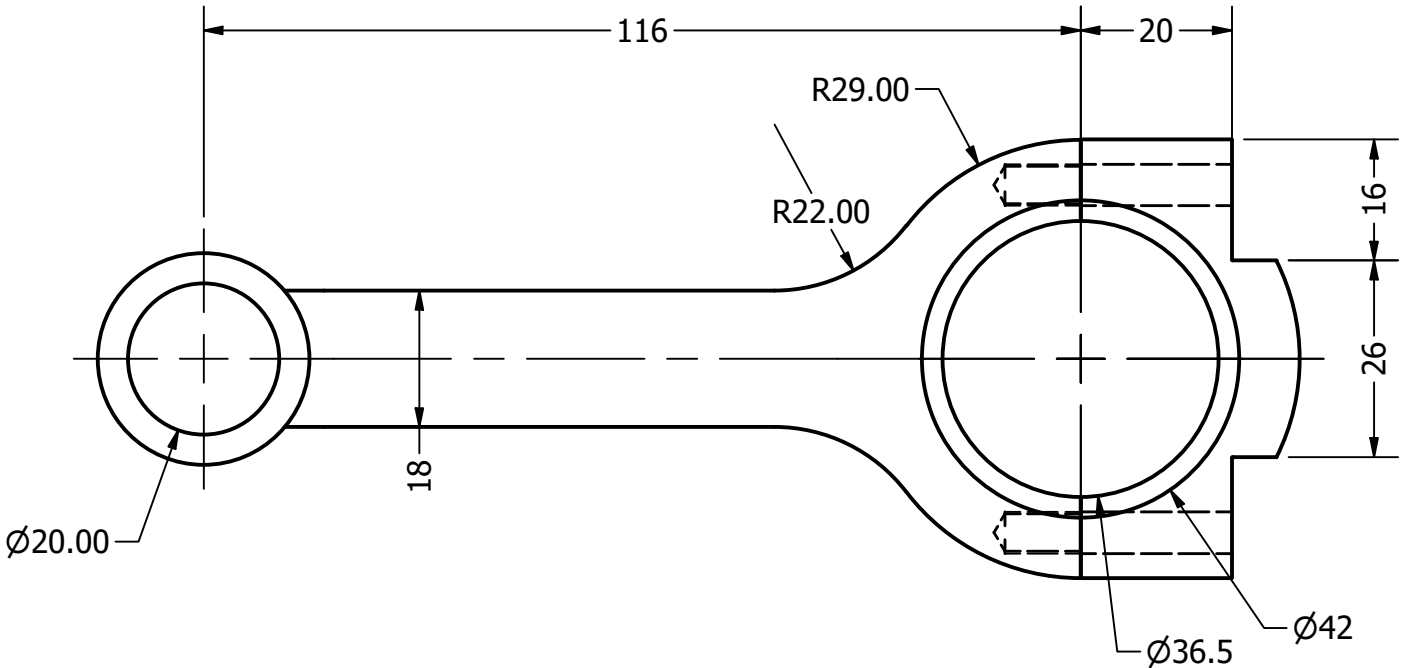
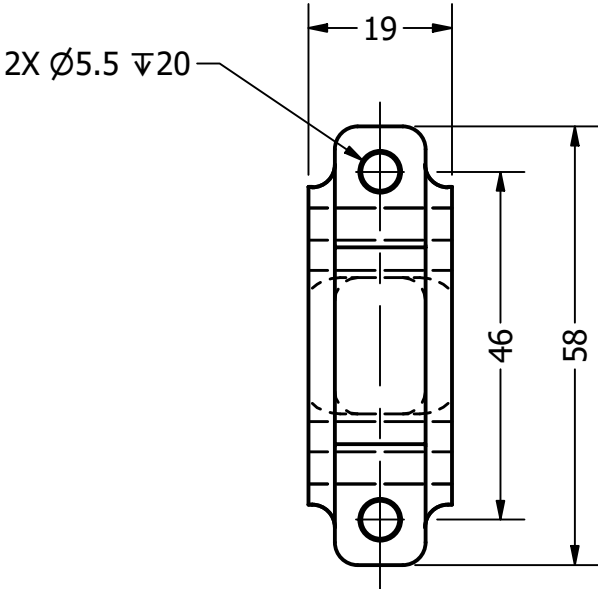
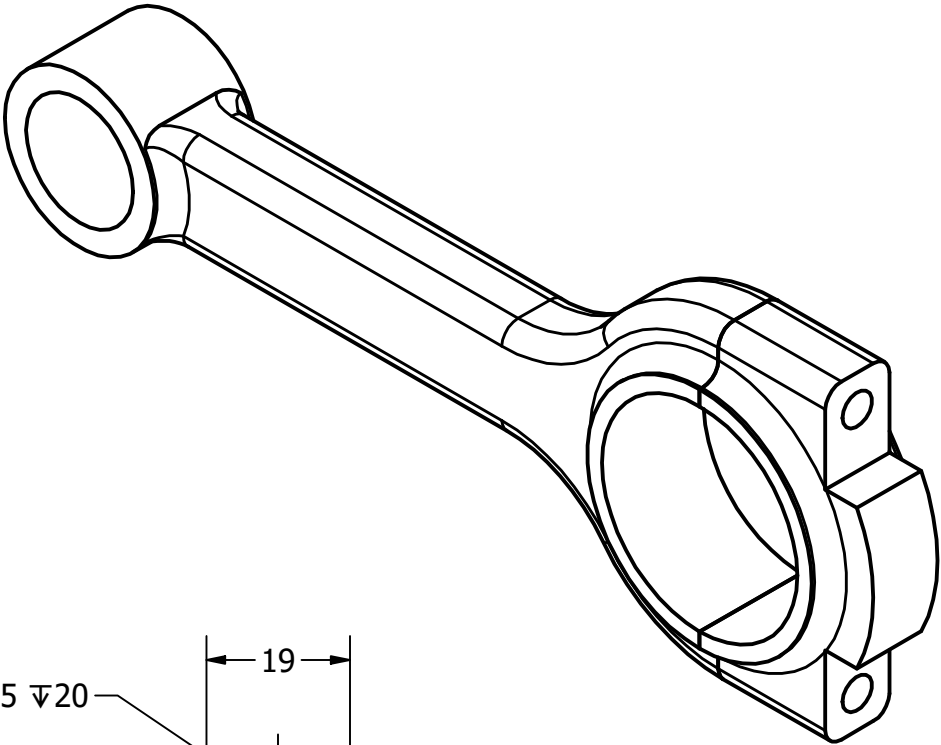
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DRAFTER: P. BELL

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SCALE: AS NOTED

PAGE #: 6 OF 6



CONNECTING ROD
SCALE 1 : 1