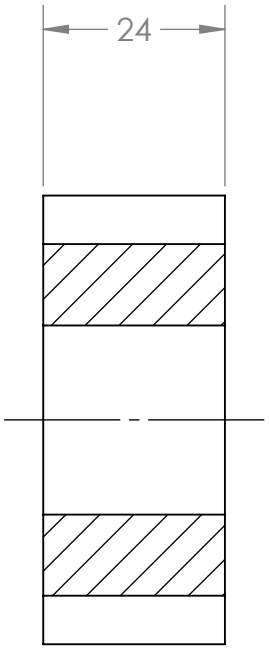
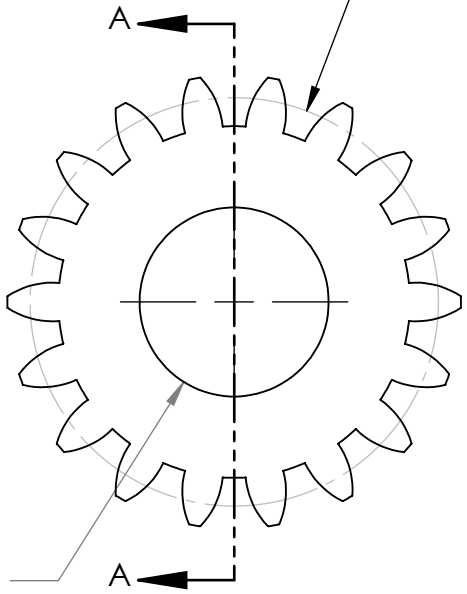
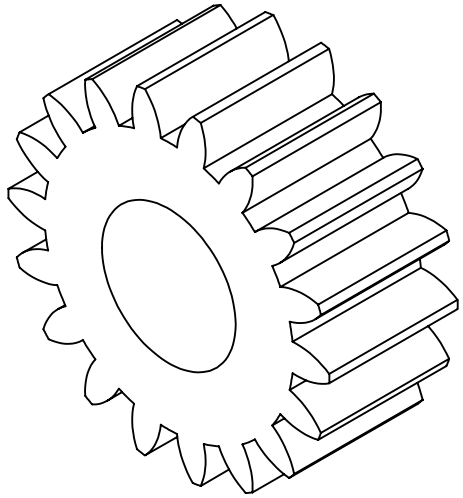
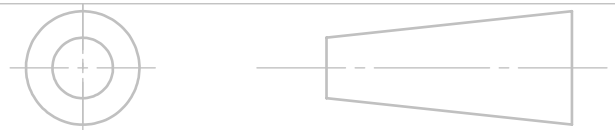


SECTION A-A





Module: 3mm
18 Teeth
20 deg pressure angle



	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.005
ANGULAR: +/- 0.25

QUANTITY: 1

MATERIAL: Steel A1-A5
2.5% Chrome
Nitrided

DO NOT SCALE DRAWING | REVISION 1

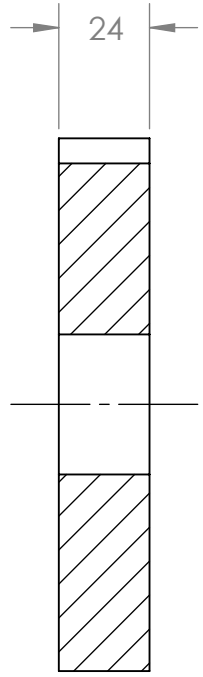
McGill University

TITLE: Gear 2

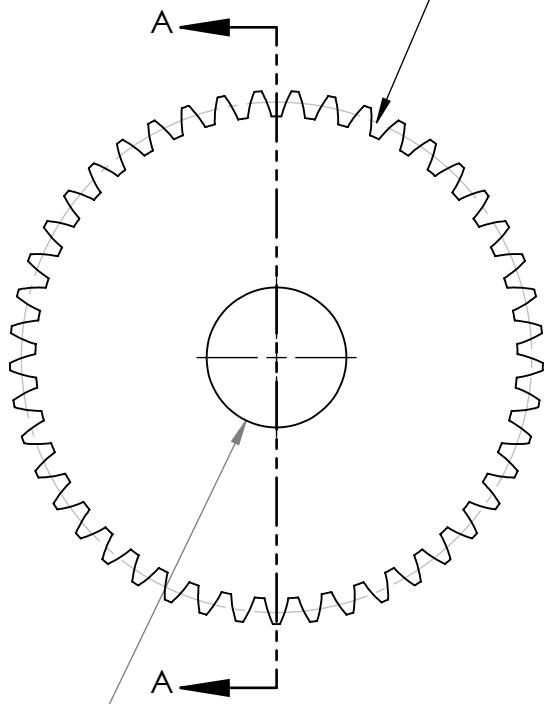
DWG NO. 1

A4

SCALE:1:1 | SHEET 1 OF 1

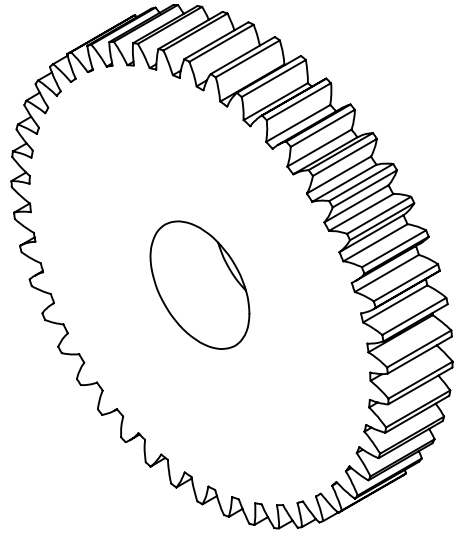


SECTION A-A

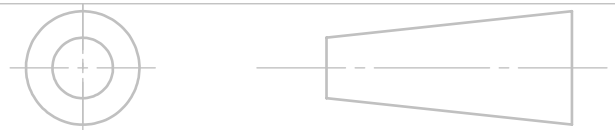


∅135 Pitch diam.

Bore ∅37



Module: 3mm
45 Teeth
20 deg pressure angle



	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.005
ANGULAR: +/- 0.25

QUANTITY: 1

MATERIAL: Steel A1-A5
2.5% Chrome
Nitrided

DO NOT SCALE DRAWING | REVISION 1

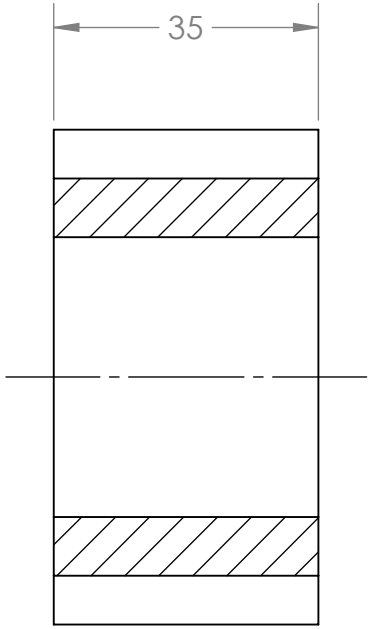
McGill University

TITLE: Gear 3

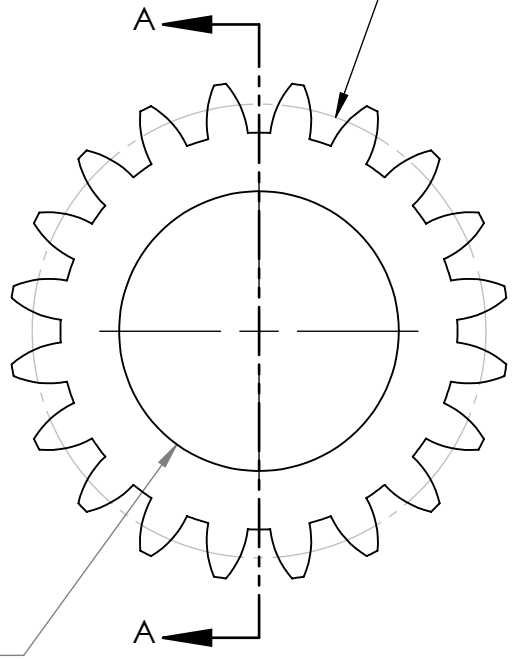
DWG NO. 2

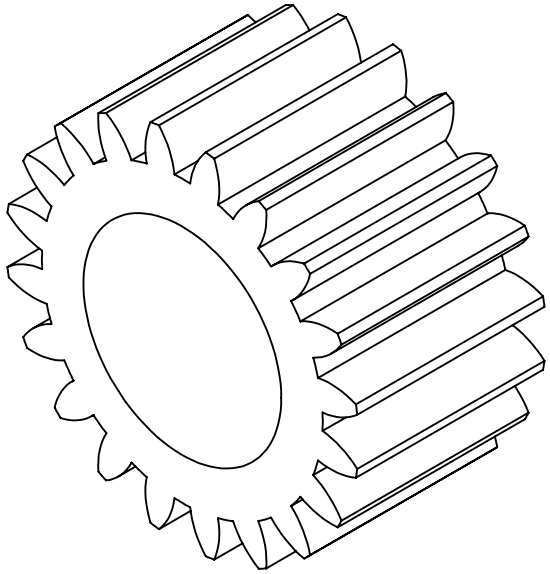
A4

SCALE:1:2 | SHEET 1 OF 1



SECTION A-A





Module: 3mm
20 teeth
20 deg pressure angle

	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.005
ANGULAR: +/- 0.25

QUANTITY: 1

MATERIAL: Steel A1-A5
2.5% Chrome
Nitrided

DO NOT SCALE DRAWING | REVISION 1

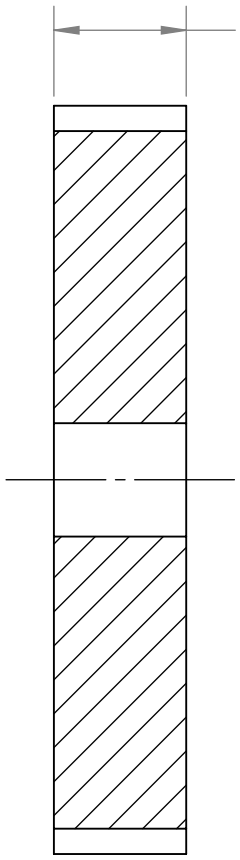
McGill University

TITLE: Gear 4

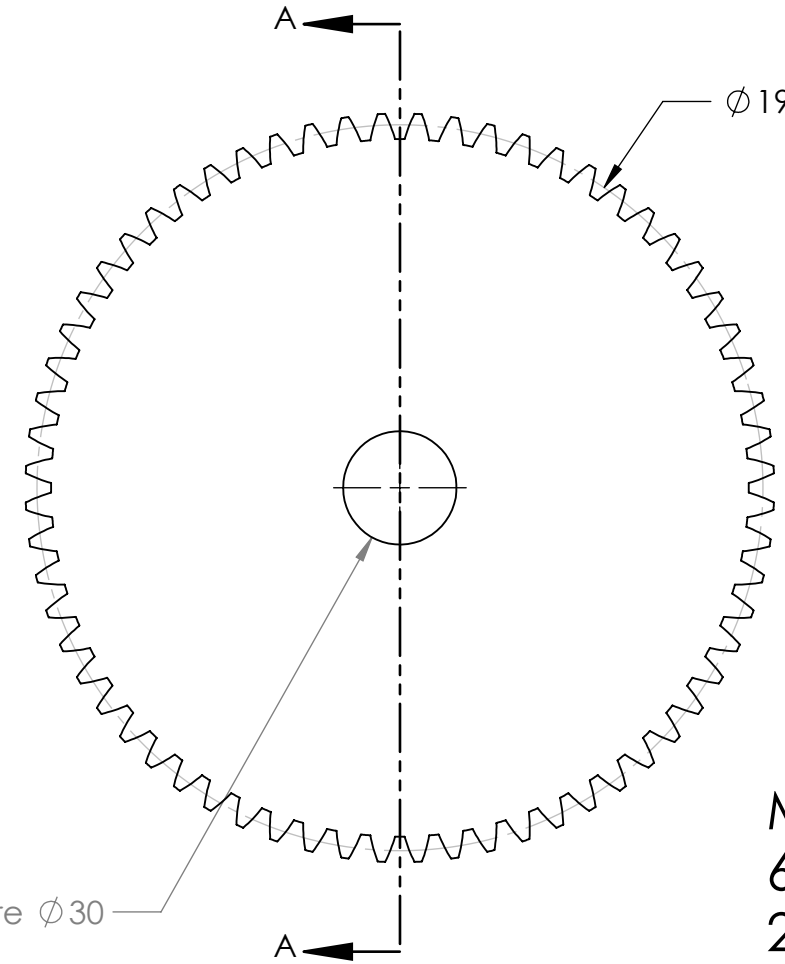
DWG NO. 3

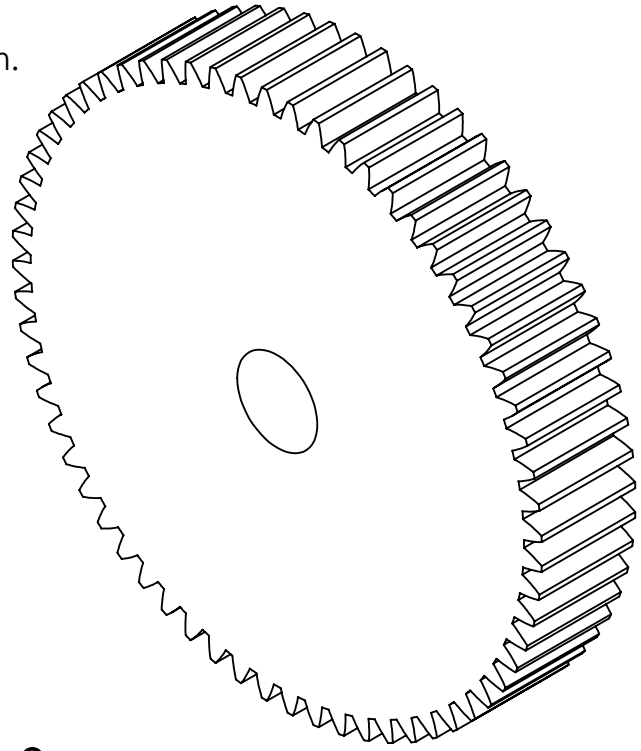
A4

SCALE:1:1 | SHEET 1 OF 1

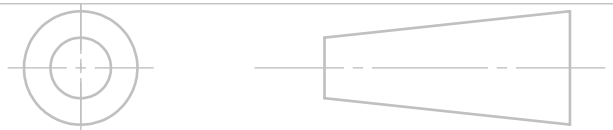


SECTION A-A





Module: 3mm
64 Teeth
20 deg pressure angle



	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.005
ANGULAR: +/- 0.25

QUANTITY: 1

MATERIAL: Steel A1-A5
2.5% Chrome
Nitrided

DO NOT SCALE DRAWING | REVISION 1

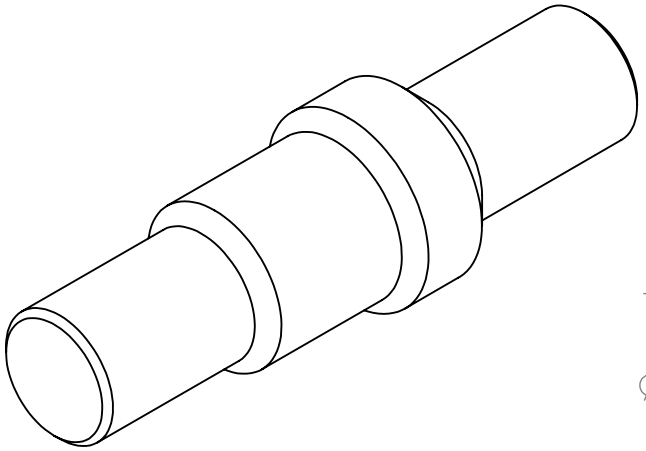
McGill University

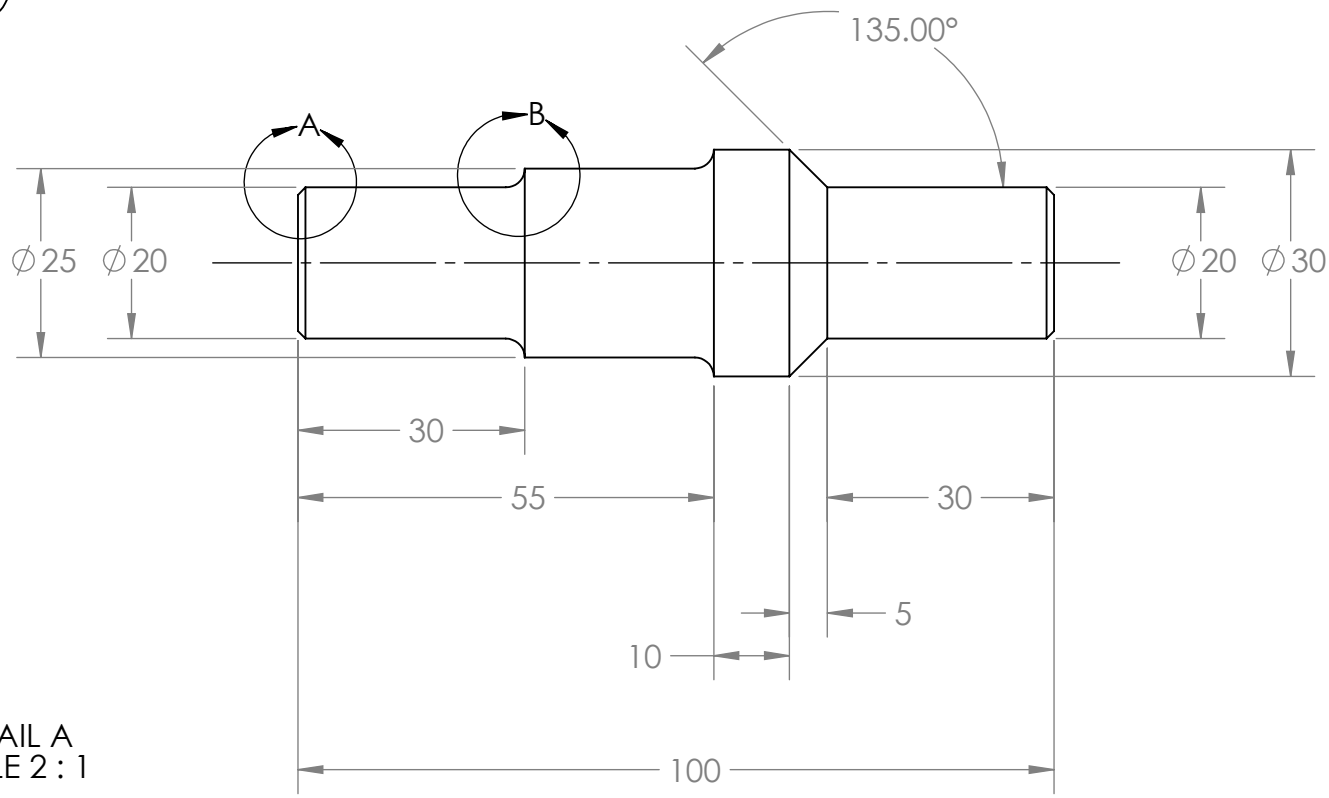
TITLE: Gear 5

DWG NO. 4

A4

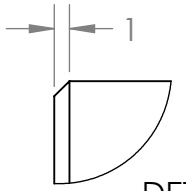
SCALE:1:2 | SHEET 1 OF 1



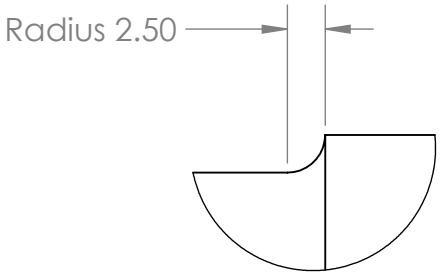


Ends of shaft have chamfer 1mm, 45 deg.

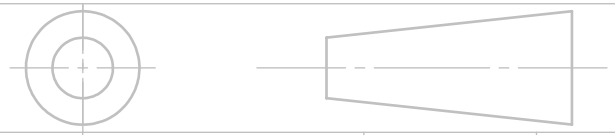
All steps have 2.5mm radius fillet.



DETAIL A
SCALE 2 : 1



DETAIL B
SCALE 2 : 1



	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.01
ANGULAR: +/- 0.5

QUANTITY: 1

MATERIAL:
AISI 1050 Steel
Quench & Temper @ 400F

DO NOT SCALE DRAWING | REVISION 1

McGill University

TITLE:

Input Shaft

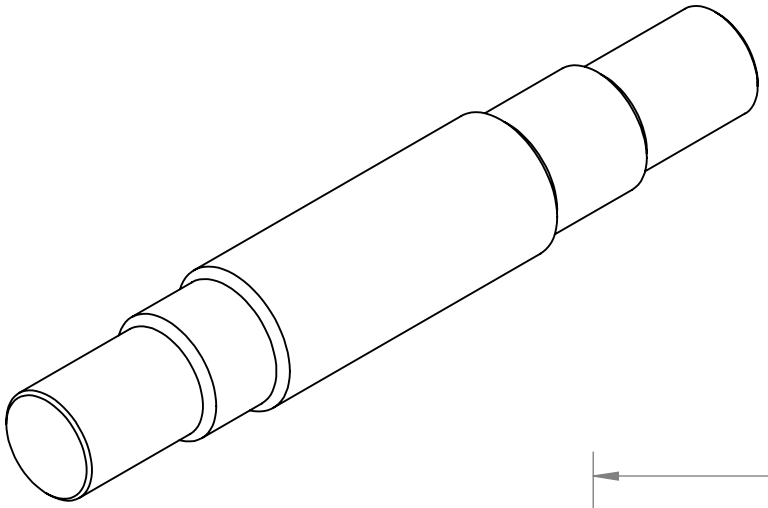
DWG NO. 5

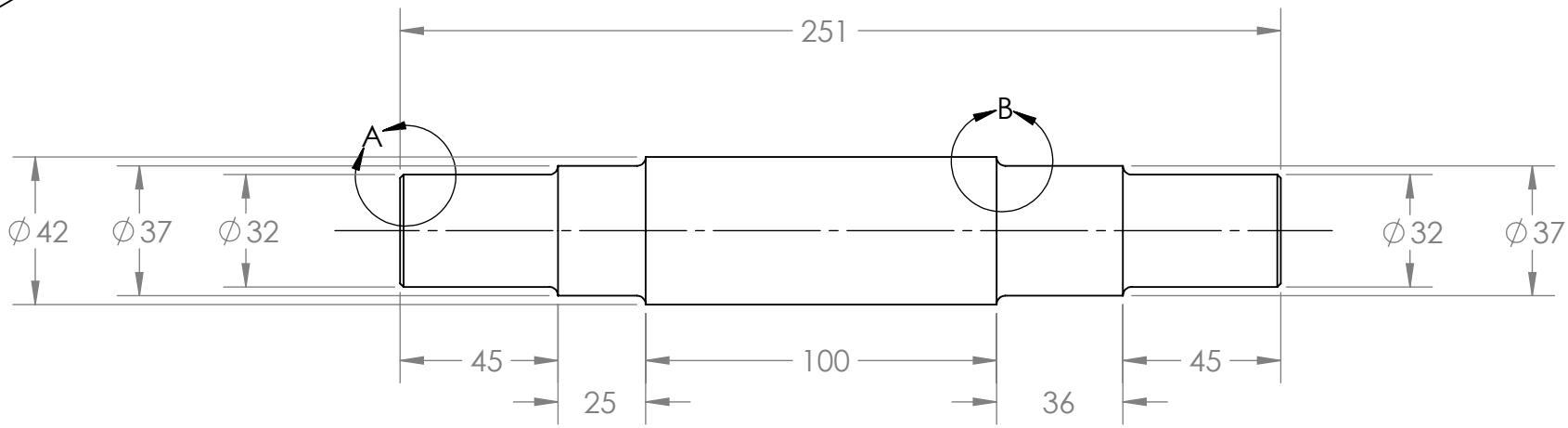
A4

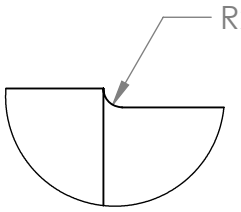
SCALE:1:1 | SHEET 1 OF 1

All shaft steps have fillet with radius 2.5mm

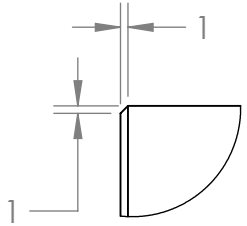
Ends of shaft are chamfered: 1mm, 45 deg







DETAIL B
SCALE 1 : 1



DETAIL A
SCALE 1 : 1

	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.01
ANGULAR: +/- 0.5

QUANTITY: 1

MATERIAL:
AISI 1050 Steel
Quench & Temper @ 400F

DO NOT SCALE DRAWING | REVISION 1

McGill University

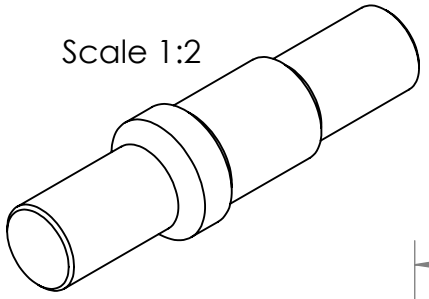
TITLE:

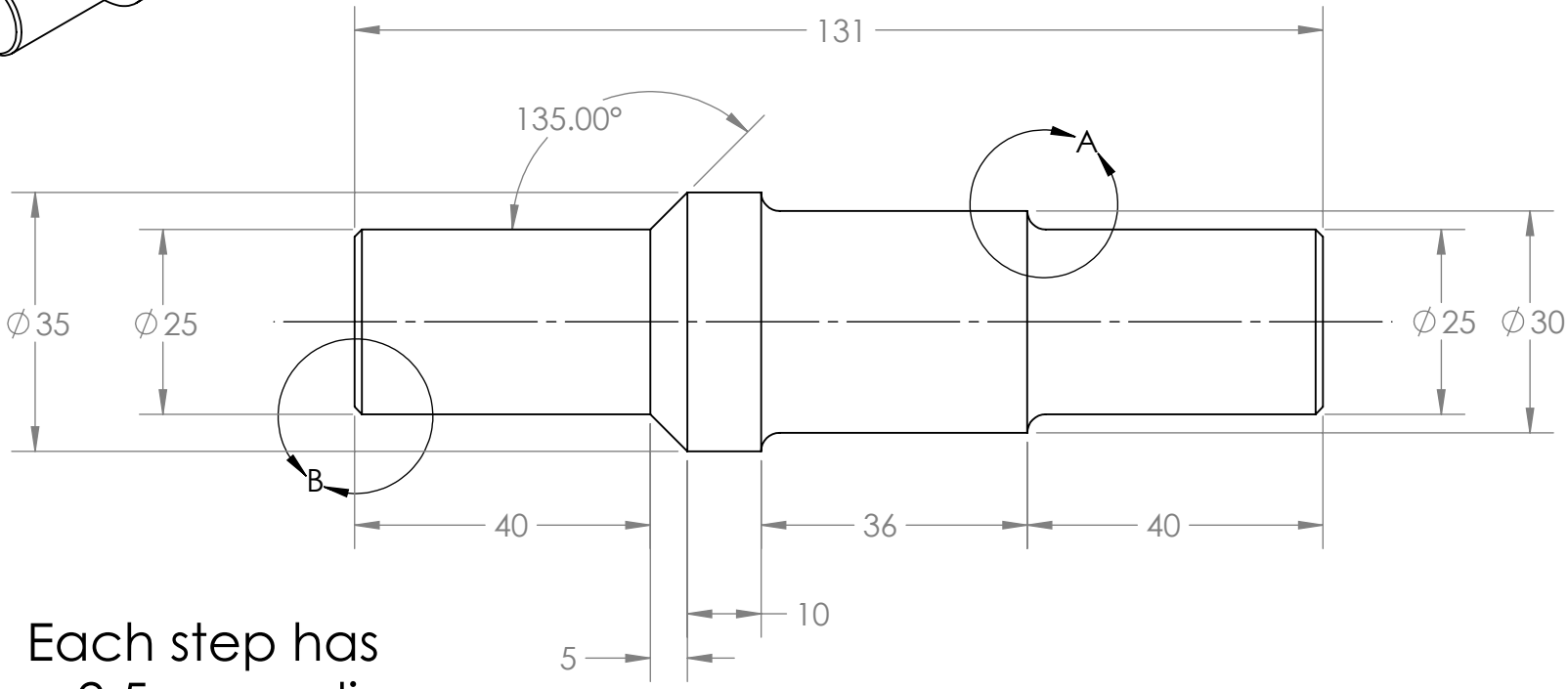
Mid Shaft

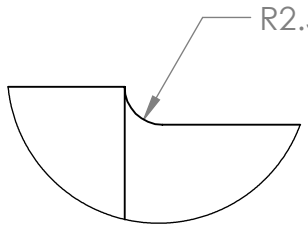
DWG NO. 6

A4

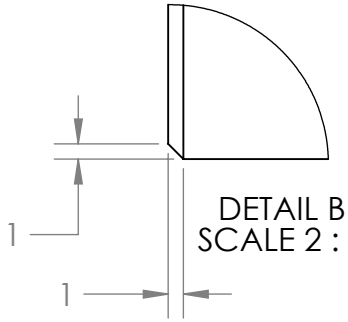
SCALE:1:2 | SHEET 1 OF 1







DETAIL A
SCALE 2 : 1



DETAIL B
SCALE 2 : 1

Each step has a 2.5mm radius fillet

Ends of shaft chamfered with 1mm, 45 deg

	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.01
ANGULAR: +/- 0.5

QUANTITY: 1

MATERIAL:
AISI 1050 Steel
Quench & Temper @ 400F

DO NOT SCALE DRAWING | REVISION 1

McGill University

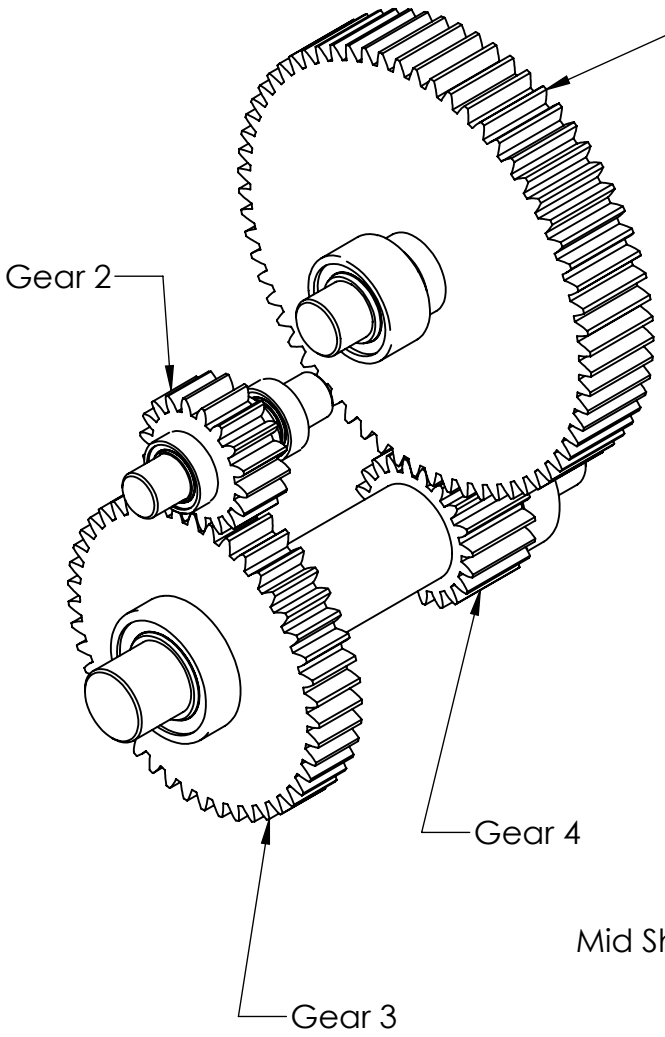
TITLE:

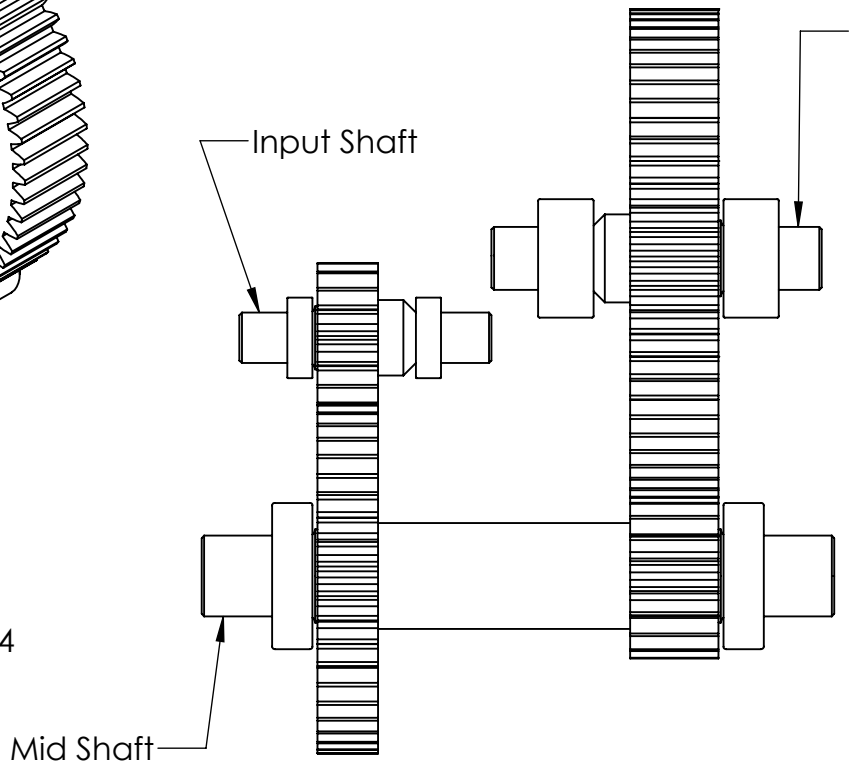
Output Shaft

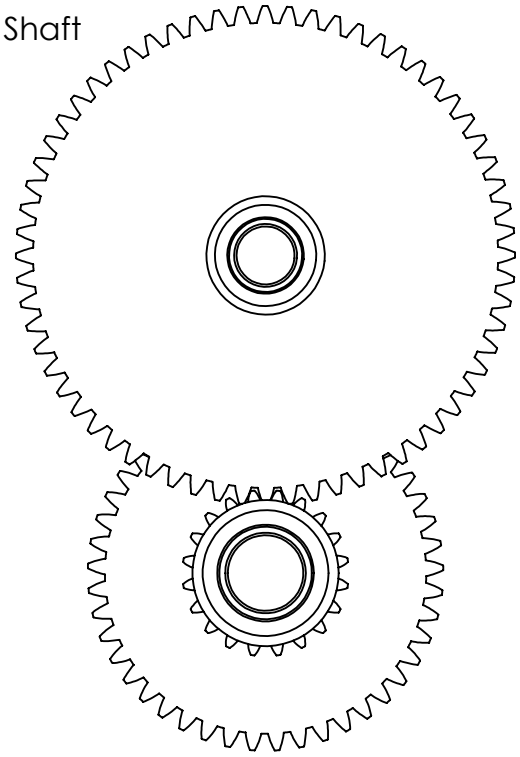
DWG NO. 7

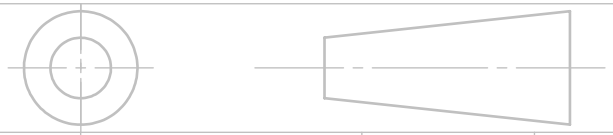
A4

SCALE:1:1 | SHEET 1 OF 1









DO NOT SCALE DRAWING | REVISION 1

McGill University

	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

TITLE:

Gearbox Assembly

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.01
ANGULAR: +/- 0.5

QUANTITY: 1

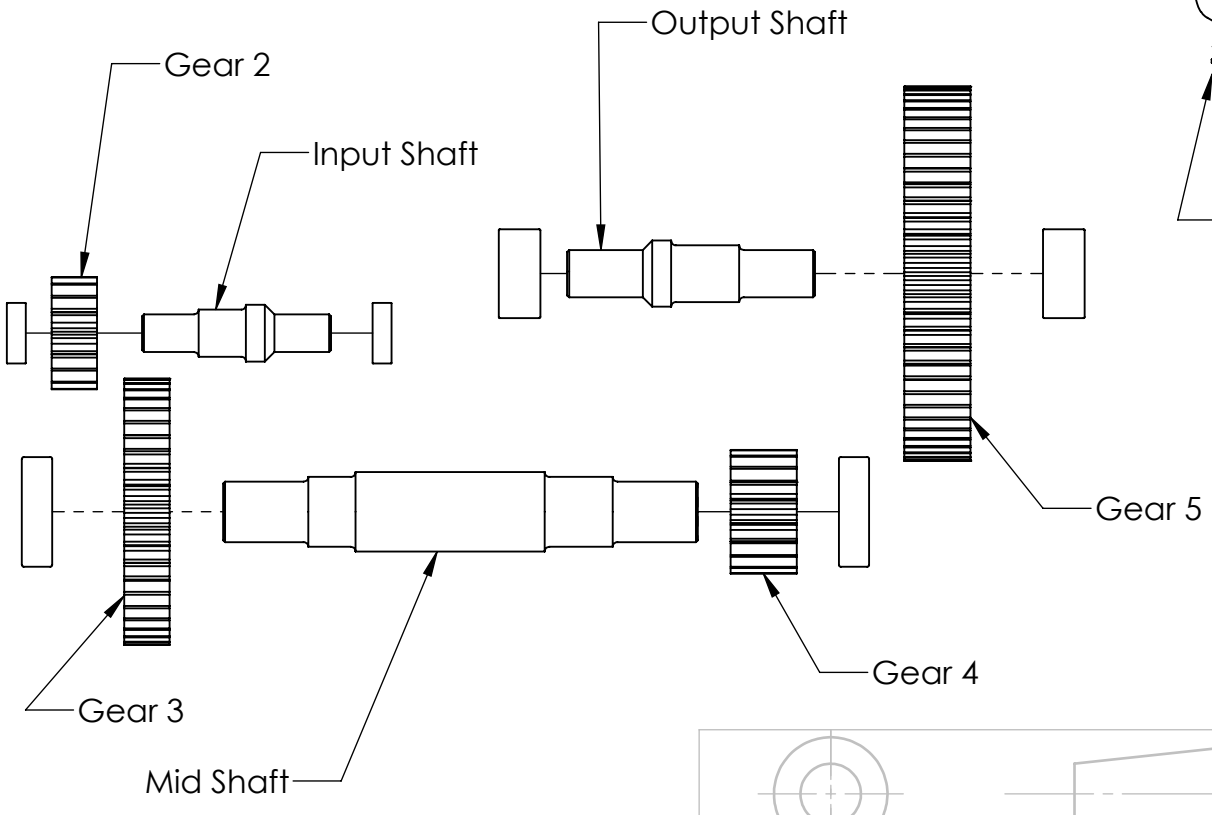
MATERIAL: Various

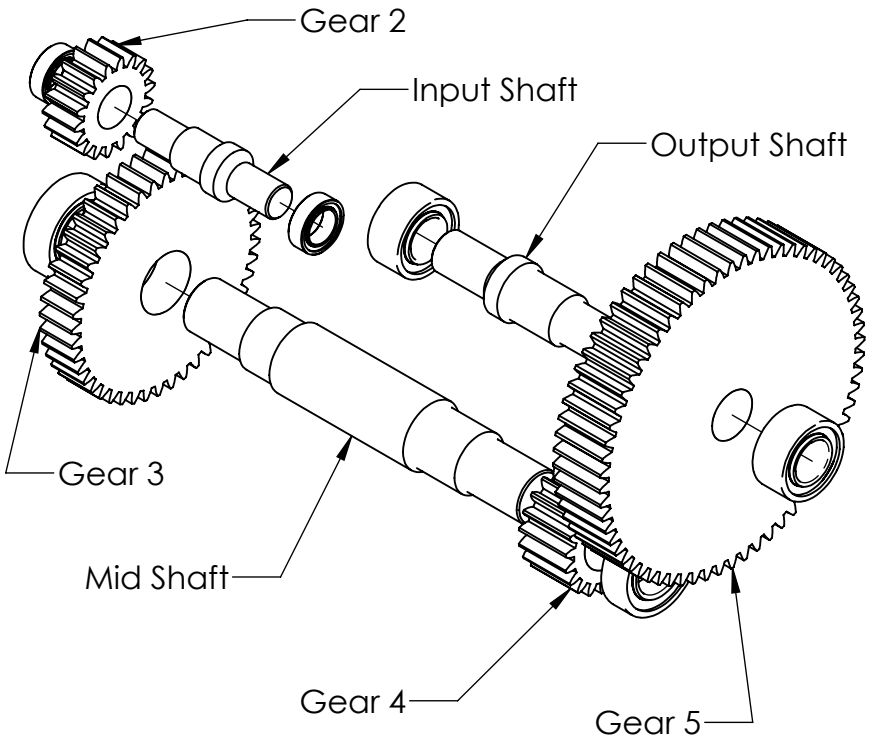
DWG NO. 8

A4

SCALE:1:3

SHEET 1 OF 2





	NAME	SIGNATURE	DATE
DRAWN	Matthew Phillips		
APPV'D			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
LINEAR: +/- 0.01
ANGULAR: +/- 0.5

QUANTITY: 1

MATERIAL: Various

DO NOT SCALE DRAWING | REVISION 1

McGill University

TITLE:

Gearbox Assembly

DWG NO. 8

A4

SCALE:1:4 | SHEET 2 OF 2