



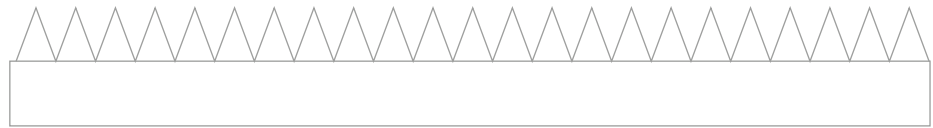
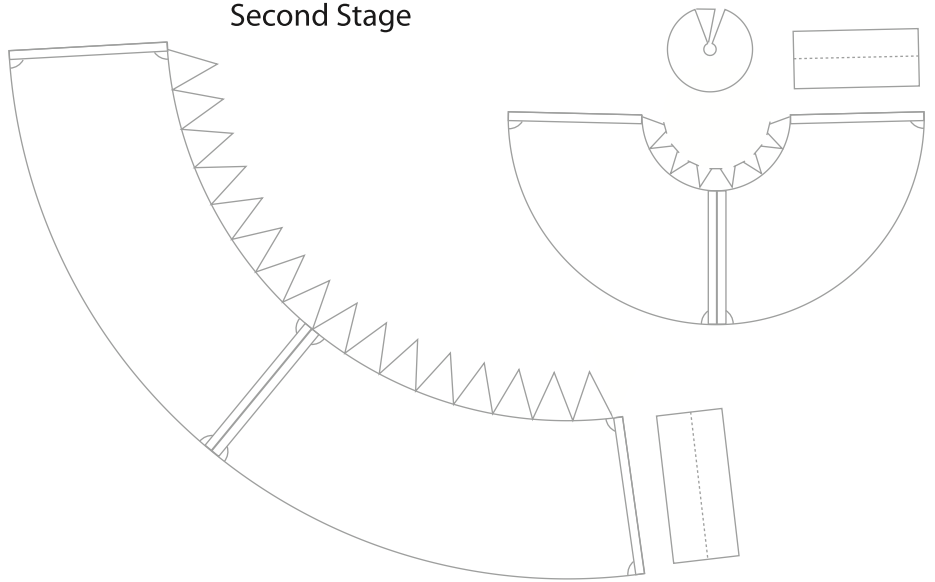
1:100 Scale



# Northrop Grumman "ANTARES" / Cygnus

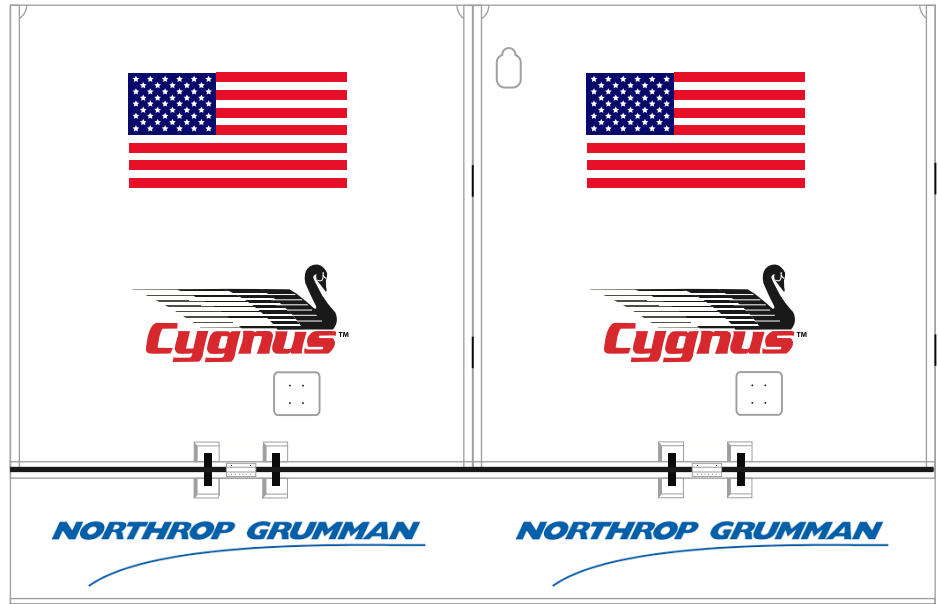
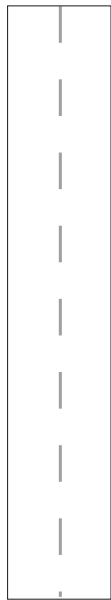
Print on Cardstock (110 lbs)

## New Payload Fairing for Extended Second Stage

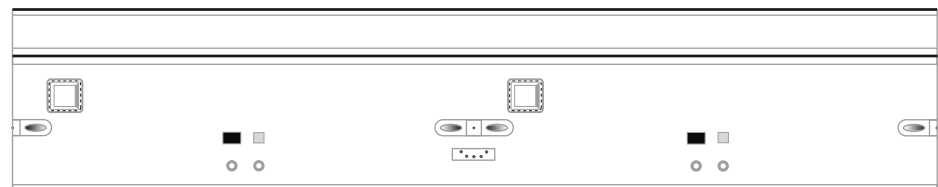
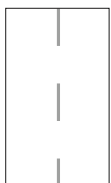


Payload Fairing / Extended Stage 2  
connector  
to Stage 1

Payload Fairing / Stage 2



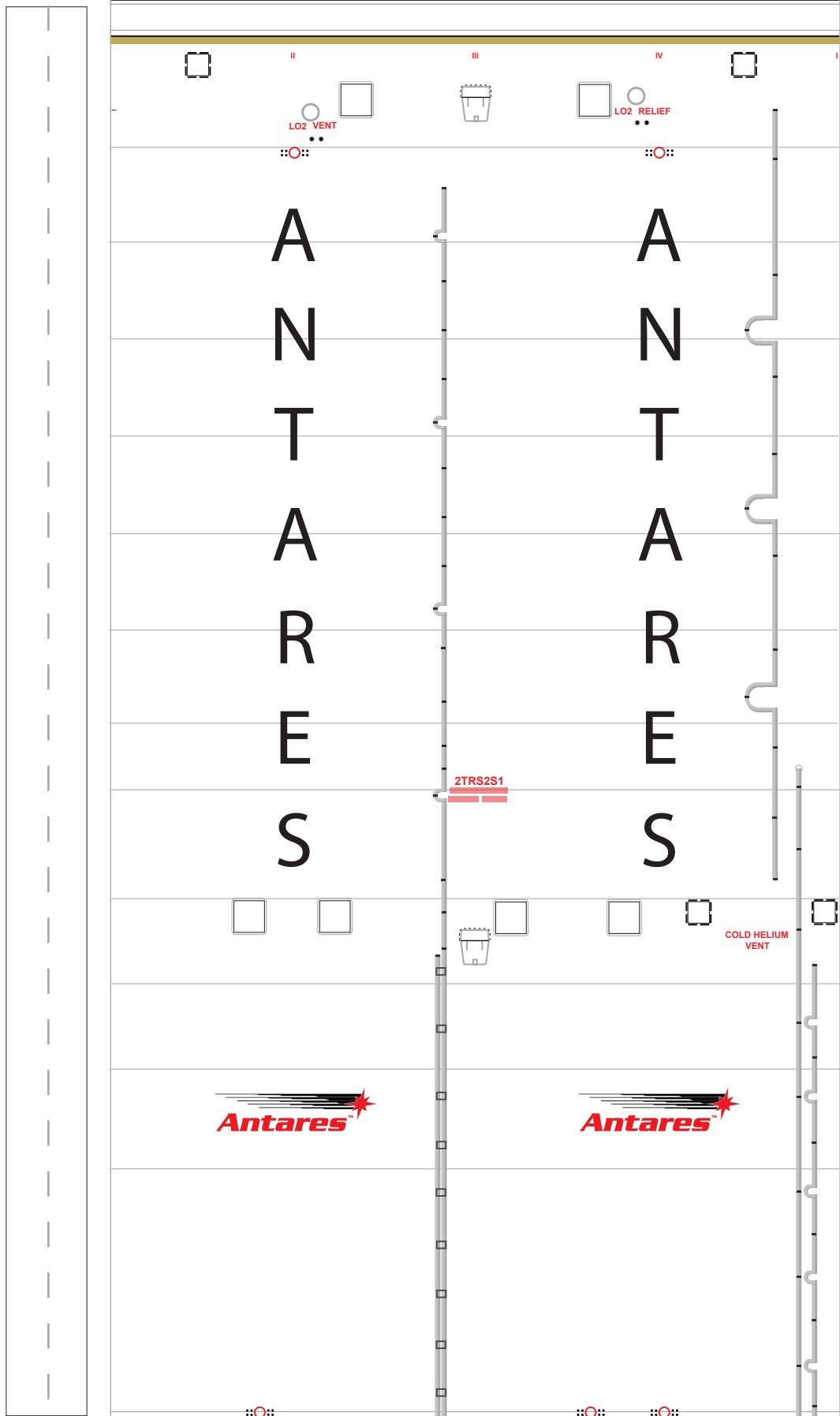
Optional

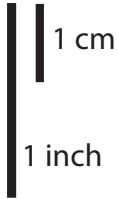




1:100 Scale

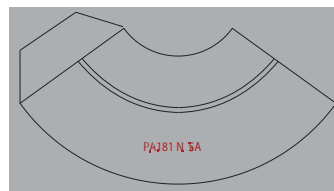
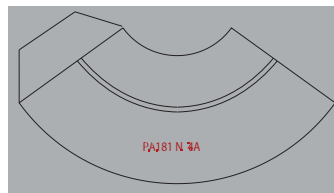
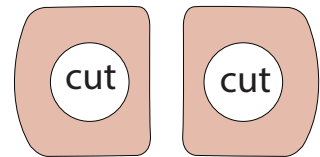
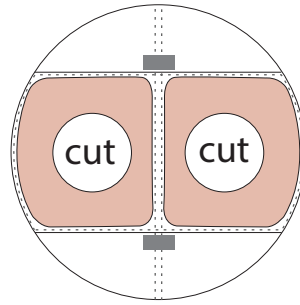
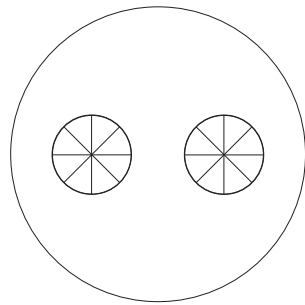
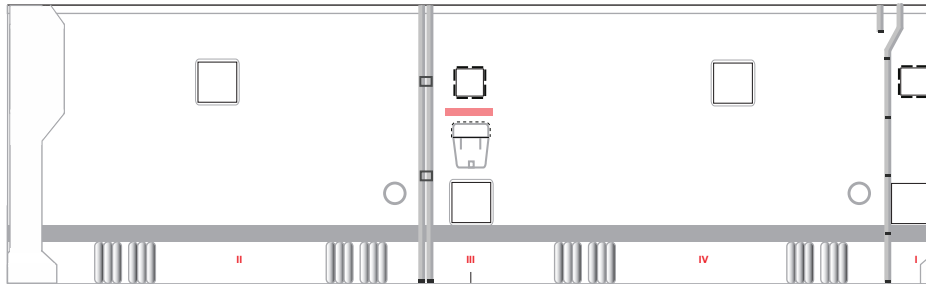
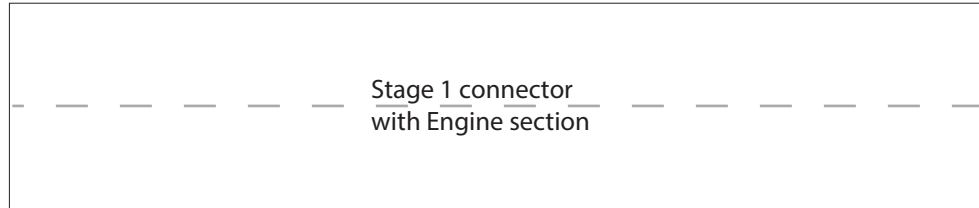
ANTARES New Stage 1



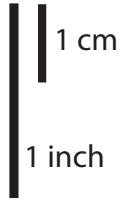


### Engine section

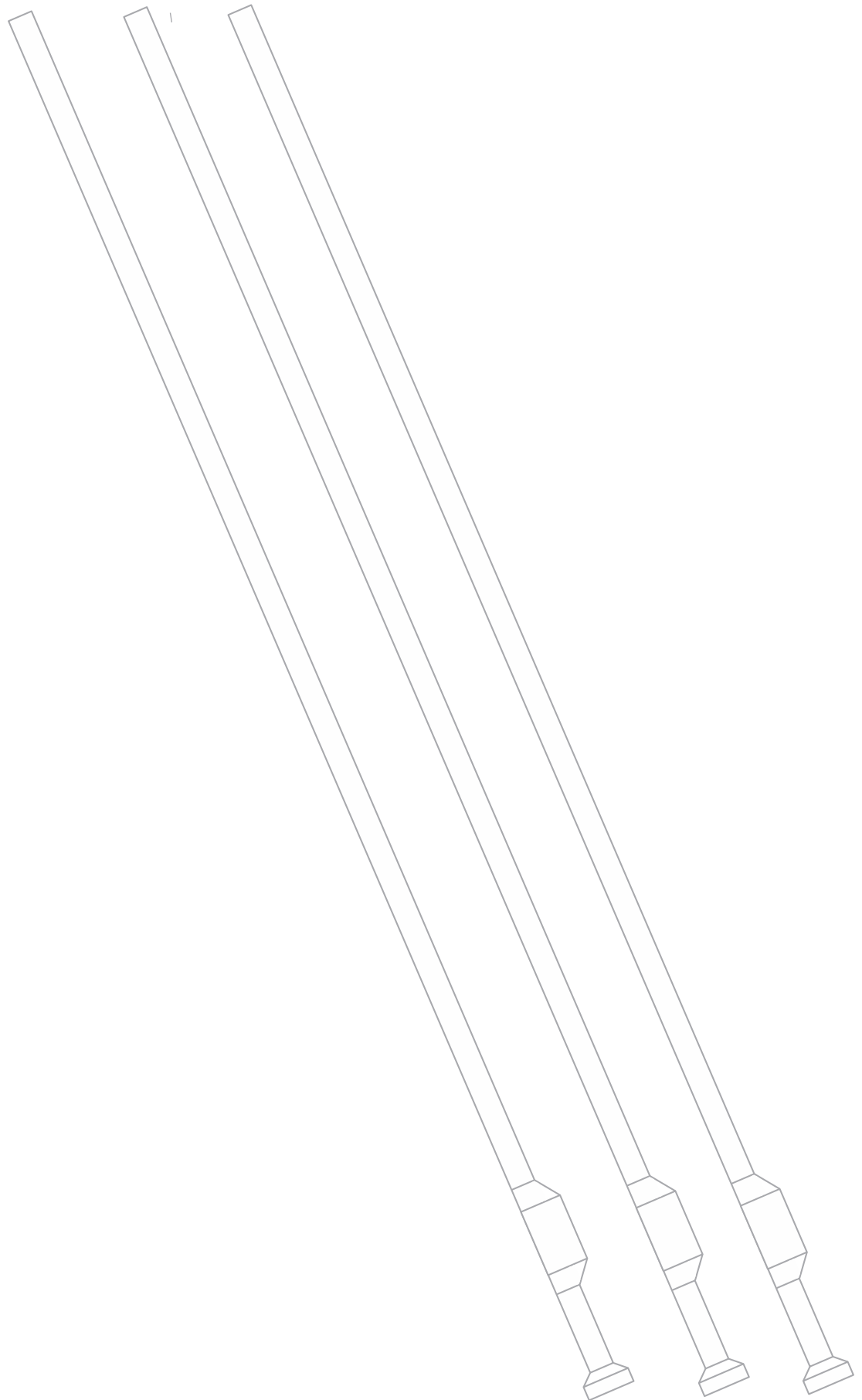
1:100 Scale



RD-181  
Engines



1:100 Scale





# CYGNUS Cargo Vessel Castor 30 XL

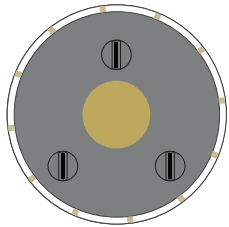
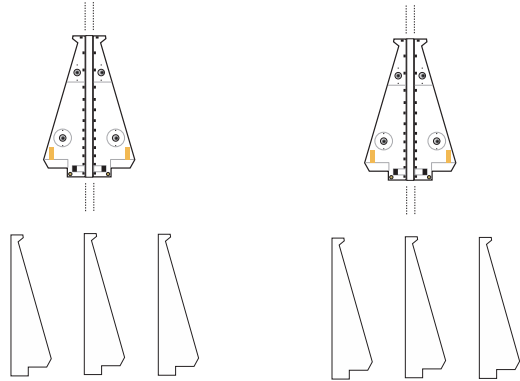
Print on Cardstock (90 lbs)

## Launch Configuration package

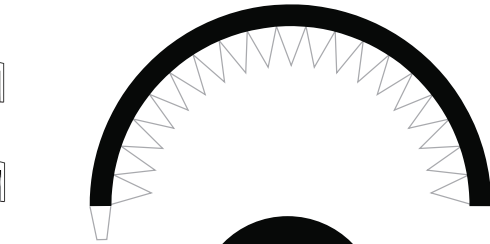
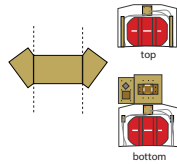


### 1:100 Scale

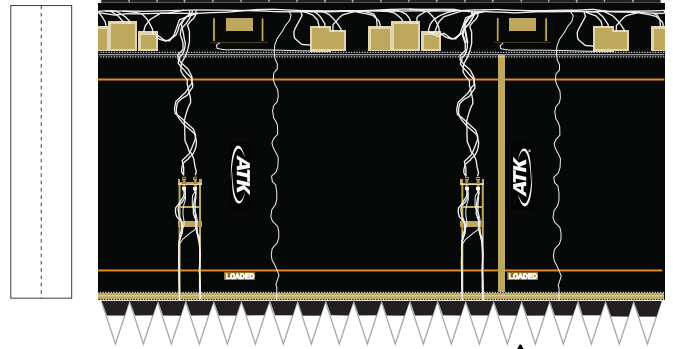
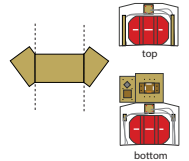
#### Solar Arrays Launch configuration



Launch Configuration only:  
Replace the bottom of the  
Cygnus model with this part  
and don't install engine  
nozzle and Grapple fixture.

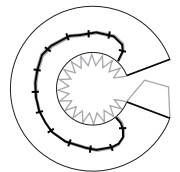
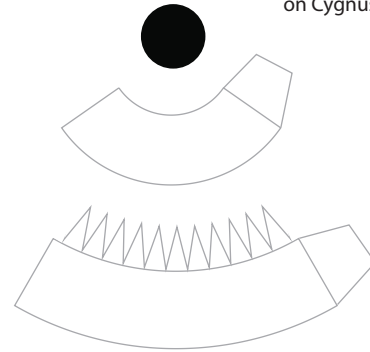
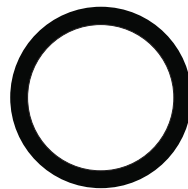
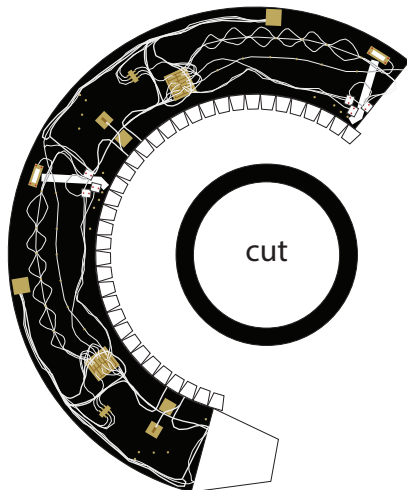


#### Castor 30 XL Solid Motor



↑  
This side needs to  
align with the logos  
on Cygnus

#### Motor Cone



inner ring to support Motor cone

inner ring to support Motor cone



1 cm

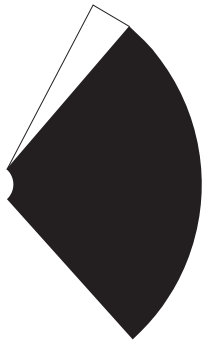
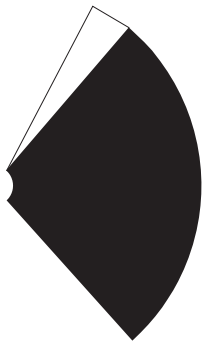
1 inch

Northrop Grumman "ANTARES" / Cygnus

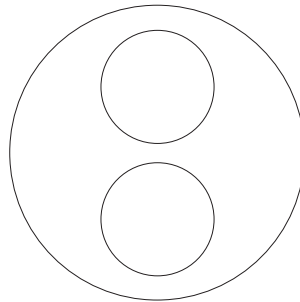
Print on Cardstock (110 lbs)

# Base Template

(use foam board and glue stand cones)



**NORTHROP GRUMMAN**



[www.axmpaperspacescalemodels.com](http://www.axmpaperspacescalemodels.com)

1:100 Scale