

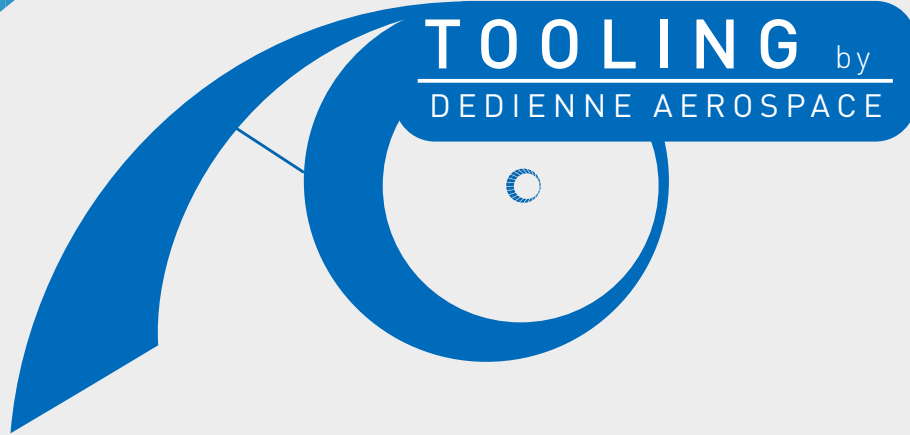
A320neo UTAS

NACELLE TOOLING CATALOG

NACELLE

TOOLING by

DEDIENNE AEROSPACE




A320neo GSE TOOLS

Entry into Service (EIS) recommended GSE quantities are based on a review of the Aircraft Maintenance Manual.

If you need help in order to define the tools to use and for quantity for your needs, contact us and our dedicated team will help you to do the good choice.

Dedienne will help you to choose the right tool for the right task.



	PART NUMBER	NAME	MINIMAL QUANTITIES FOR EIS
 INLET COWL	636-1100-16GE	Inlet Cowl Sling	1
	636-1100-26GE	Inlet Cowl Dolly	1
	636-1100-36GE	Inlet Cowl Protective Blanket	0
	636-1100-46GE	Inlet Cowl Lip Cover	2
 FAN COWLS	636-2000-17GE	Fan Cowl Handling Sling	1
	636-2000-18GE	Fan Cowl Dolly	1
	636-2000-19GE	Fan Cowl Hinge Bolt Thread Protectors	1
 THRUST REVERSER	636-3000-7GE	Thrust Reverser Handling Sling	1
	636-3000-8GE	Thrust Reverser Dolly	1
	636-3000-9GE	Thrust Reverser Hinge Bolt Thread Protectors	1
	636-3000-10GE	Thrust Reverser Hold Open Strut To Pylon	1
	636-3000-11GE	Thrust Reverser C-Duct Cover	2
	636-3000-12GE	Thrust Reverser Acoustic Panel Protective	0
	636-3000-13GE	Thrust Reverser Manual Hydraulic Opening System	1
	636-3000-25GE	Thrust Reverser DOS Installation Aid	1
	636-3000-26GE	Thrust Reverser Vapor Barrier Seal Protector	1
	636-3000-28GE	Thrust Reverser Actuator Primary Lock Pin	0
 NOZZLE & CENTER BODY	636-3501-34GE	Translating Sleeve	1
	636-4250-21GE	Exhaust Nozzle I/R Lifting Aid	1
	636-4000-22GE	Exhaust Dolly	0
	636-4000-23GE	Exhaust Exit Area Plug	2
 ENGINE MOUNT	636-1000-27GE	Pylon ECS Interface Duct Support	1
	636-1000-29GE	PW & CFM Hoisting Device - Engine Mount FWD	1
	636-1000-30GE	PW & CFM Hoisting Device - Engine Mount AFT	1
	636-1000-31GE	PW & CFM Support Beam Engine Mounts	1
	636-1000-32GE	PW & CFM Blocking Device - Engine Mount AFT	1
	636-1000-33GE	PW & CFM Pin Extractor - Engine Mount AFT	1

CONTENT



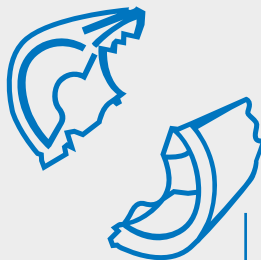
INLET COWL

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- > Inlet Cowl Protective Blanket.....p.6
- > Inlet Cowl Lip Cover.....p.7



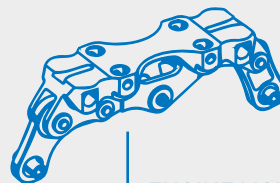
FAN COWLS

- > Fan Cowl Handling Sling.....p.19
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INLET COWL SLING



DESCRIPTION - USE

This tool is used to lift and rotate the A320neo Inlet Cowl from staging platform into aircraft orientation.



CAUTION

This tool is the only tool validated to lift the A320neo Inlet Cowl. If the Inlet Cowl is lifted with another tool, and there is damage, the insurance company may not cover the damage.



TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



3,20 x 0,60 x 0,50 m



150 KG



636-1100-1GSE



INLET COWL DOLLY



DESCRIPTION - USE

This tool is used to hold and transport the Inlet Assy for storage, local transportation and maintenance.



CAUTION

This tool has been validated for the maintenance of the A320neo Inlet Cowl. If the Inlet Cowl is moved or repaired on another tool and there is damage, the insurance company may not cover the damage.



3,30 x 2,10 x 3,00 m



950 KG

636-1100-2GSE



INLET COWL PROTECTIVE BLANKET



DESCRIPTION - USE

This tool is used as a protective rug on the Thrust Reverser acoustic surface during Thrust Reverser maintenance or removal - installation activity.



0,80 x 0,30 x 0,30 m



20 KG

636-1100-3GSE



INLET COWL LIP COVER



DESCRIPTION – USE

This tool is used to protect Inlet from foreign objects during parking and mooring.



CAUTION

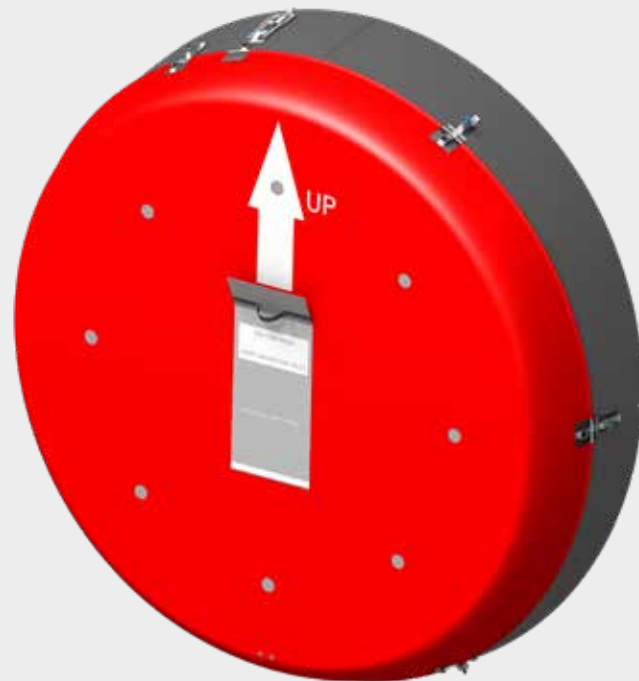
Without the Inlet Cowl Lip Cover, water, dust or wind can go inside the Engine.

> Water retention: Accelerates corrosion.

> Dust: The Engine could be damaged during the ignition.

> Wind: Allows blade rotation which can create damage.

The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.



0,50 x 0,40 x 0,40 m



3 KG

636-1100-4GSE



THRUST REVERSER HANDLING SLING



DESCRIPTION – USE

This tool is used to move Thrust Reverser halves (LH & RH) from aircraft wing to Dolly (636-3000-8-GSE «turtleback» orientation) and from Dolly to aircraft wing.



CAUTION

This tool is the only tool validated to lift the A320neo Thrust Reverser. If the Thrust Reverser is lifted using another tool, and there is damage, the insurance may not cover the damage.



TEST

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1,45 x 1,30 x 0,80 m



260 KG

636-3000-7GSE





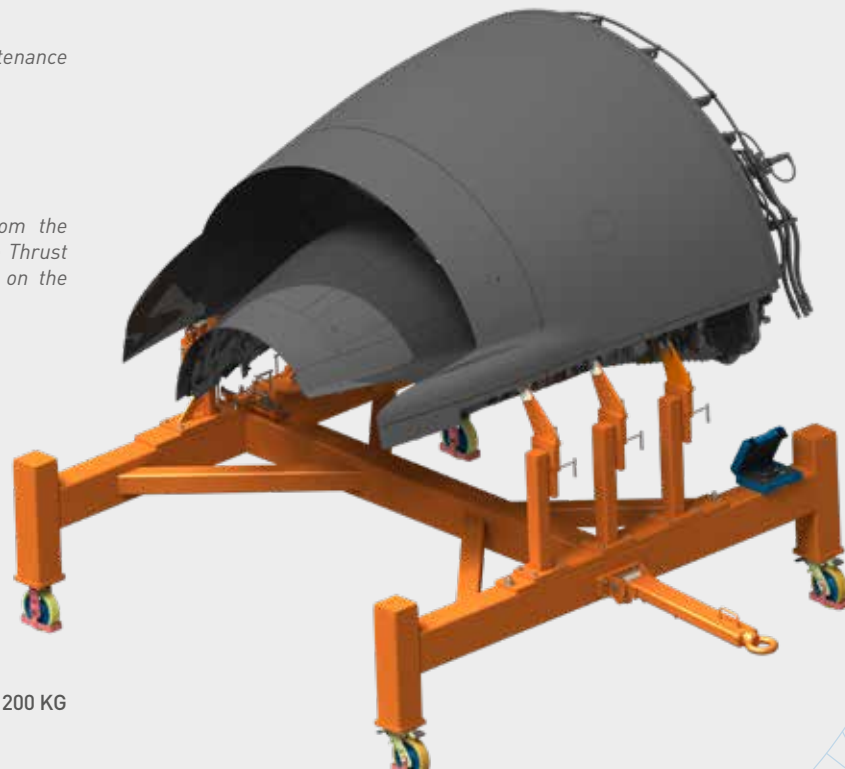
THRUST REVERSER DOLLY

DESCRIPTION - USE

This tool is used for transportation and maintenance of Thrust Reverser (LH & RH).

CAUTION

When the Thrust Reverser is removed from the aircraft using the Thrust Reverser Sling, the Thrust Reverser Dolly is needed to store or work on the Thrust Reverser.



 2,70 x 2,70 x 1,55 m

 1200 KG

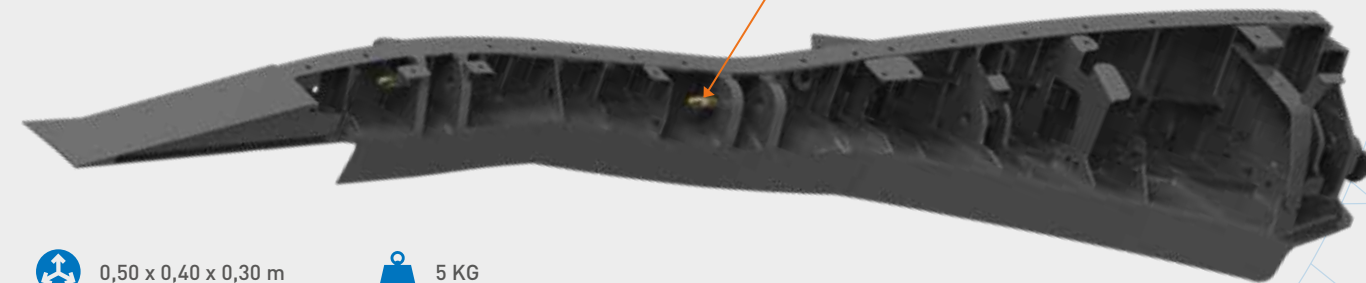
636-3000-8GSE





THRUST REVERSER HINGE BOLT THREAD PROTECTORS

DESCRIPTION - USE

This tool is used to protect threat of Thrust Reverser Hinge Beam Bolts during bolt installation and removal.



 0,50 x 0,40 x 0,30 m

 5 KG

636-3000-9GSE





THRUST REVERSER HOLD OPEN STRUT TO PYLON



DESCRIPTION – USE

- 1 - Hold open strut is adjustable and is used to hold the Thrust Reverser open at 45 degrees during Engine removal.
- 2 - To compress and protect Hinge Beam Seal during Engine removal.
- 3 - To keep hinge beam located axially at R3 hinge during Engine removal.
- 4 - To keep both Fan Cowl and Thrust Reverser open during Engine removal.



CAUTION

This tool is mandatory for this task. If not used the Thrust Reverser or the Pylon can be damaged.



TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



1,70 x 1 x 0,50 m



110 KG



636-3000-10GSE



THRUST REVERSER C-DUCT COVER



DESCRIPTION – USE

This tool is used to cover the bypass duct between the Translating Sleeve and Inner Fixed Structure (LH and RH).



CAUTION

Without the Thrust Reverser C-Duct Cover, water, dust or wind can go inside the Engine.

- > Water retention: Accelerates corrosion.
- > Dust: The Engine could be damaged during the ignition.
- > Wind: Allows blade rotation which can create damage.

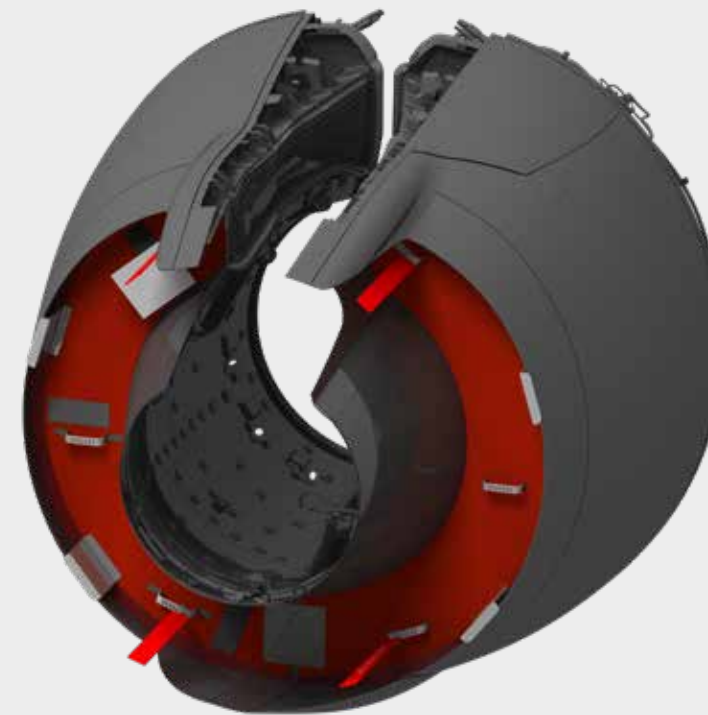
The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.



2,10 x 1,10 x 0,65 m



105 KG



636-3000-11GSE





THRUST REVERSER ACOUSTIC PANEL PROTECTIVE



DESCRIPTION - USE

This tool is used as a protective rug on the Thrust Reverser acoustic surface during Thrust Reverser maintenance or removal - installation activity.



1,20 x 0,80 x 0,65 m



20 KG

636-3000-12GSE



THRUST REVERSER MANUAL HYDRAULIC OPENING SYSTEM



DESCRIPTION - USE

This tool is a manual hydraulic system and is used in conjunction with the thrust reverser Door Opening System (DOS) actuator. The tool is used to open the Thrust Reverser half on A/C wing and hold open. The tool is also used to lower the Thrust Reverser half back to the closed position.



CAUTION

The Thrust Reverser Hydraulic Opening System or pump has been designed for use on the A320neo. If another pump is used to open the C-Ducts and there is damage, the damage may not be covered by the insurance.



TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.

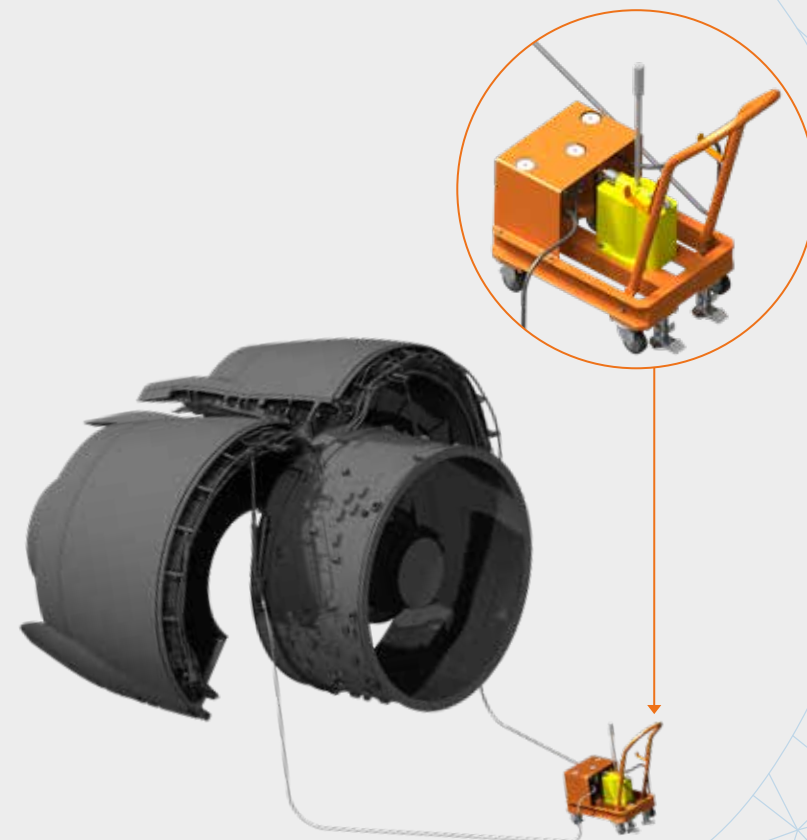


1 x 1 x 1,10 m



100 KG

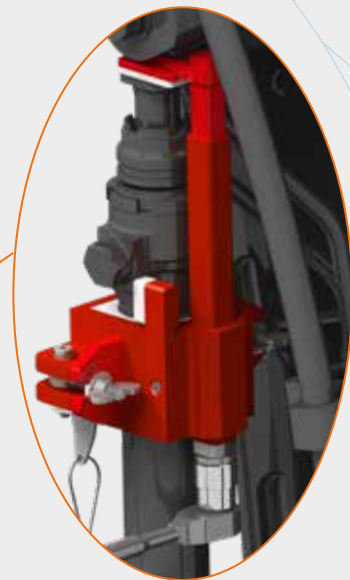
636-3000-13GSE



THRUST REVERSER DOS INSTALLATION AID

DESCRIPTION - USE

This tool is used to compress Thrust Reverser DOS upper ROD end to Thrust Reverser DOS actuator body to facilitate the installation of Thrust Reverser DOS on both LH and RH.



636-3000-25GSE



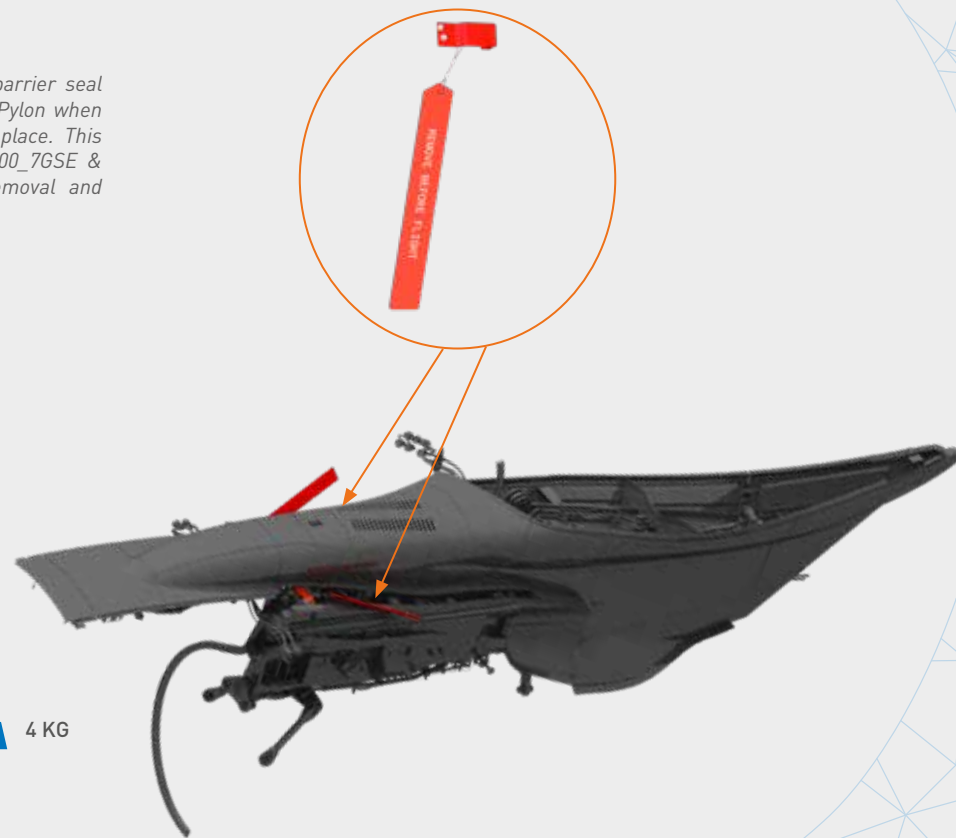
0,50 x 0,30 x 0,30 m

6 KG

THRUST REVERSER VAPOR BARRIER SEAL PROTECTOR

DESCRIPTION - USE

This tool is used to protect the vapor barrier seal (LH & RH) from being damaged by the Pylon when Hinge Access Panels (HAP) are not in place. This tool is used in conjunction with 636-3000_7GSE & 636-3000_10GSE for Engine drop / removal and Thrust Reverser installation / removal.



636-3000-26GSE



0,50 x 0,40 x 0,25 m

4 KG

THRUST REVERSER ACTUATOR PRIMARY LOCK PIN

DESCRIPTION - USE

This tool is used to pin the Track Lock Mechanism in the «locked» or the «unlocked» position.



0,60 x 0,40 x 0,20 m

3 KG

636-3000-28GSE

TRANSLATING SLEEVE

DESCRIPTION - USE

This tool is used to remove translating sleeve after Thrust Reverser is removed from wing.

CAUTION

This Sling is a lifting tool and it's the only tool validated to lift the A320neo Translating Sleeve. If the Translating Sleeve is lifted with another tool, and there is damage, insurance may not cover the damage.

TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



1,00 x 0,50 x 0,40 m

40 KG

636-3501-34GSE





FAN COWL HANDLING SLING



DESCRIPTION - USE

This tool is used to lift and rotate the A320neo Fan Cowl door from staging platform into aircraft orientation. The tool is suitable for LH and RH use.



CAUTION

This Sling is a lifting tool and it's the only tool validated to lift the A320neo Fan Cowl. If the Fan Cowl is lifted with another tool, and there is damage, insurance may not cover the damage.



TEST

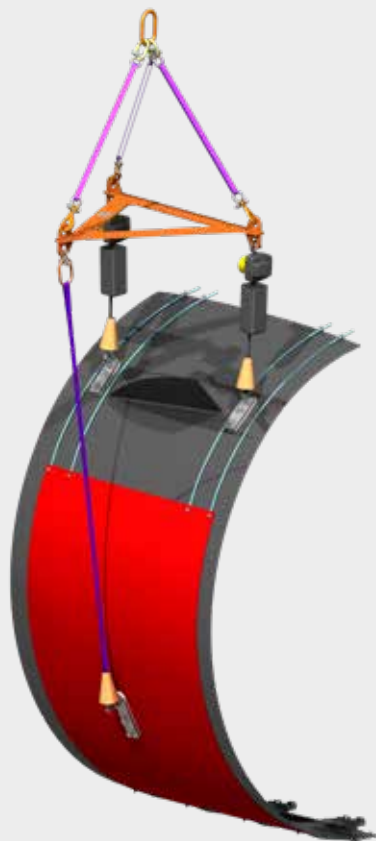
Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



1,50 x 1,40 x 0,60 m



115 KG



636-2000-17GSE



FAN COWL DOLLY



DESCRIPTION - USE

This tool is used to locate and hold the LH & RH, Fan Cowl assemblies on edge for storage or local transportation.



CAUTION

After using the Fan Cowl Sling [-17GSE] to remove a Fan Cowl from the Engine, the Fan Cowl Dolly [-18GSE] is needed to move, store or do maintenance on the Fan Cowl.



3,40 x 1,90 x 1,30 m



350 KG



636-2000-18GSE





FAN COWL HINGE BOLT THREAD PROTECTORS



DESCRIPTION - USE

This tool is used to protect thread of Fan Cowl hinge beam bolts and bushings during bolts installation and removal.



0,50 x 0,40 x 0,30 m



6 KG



EXHAUST NOZZLE I/R LIFTING AID



DESCRIPTION - USE

This tool is used to transport, hold and position the A320neo Exhaust Nozzle during installation. The tool is suitable for both right- and left-handed use.



CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Nozzle. If the Nozzle is lifted with another tool, and there is damage, the insurance may not cover that damage.



TEST

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1,60 x 1,10 x 1,30 m



200 KG



636-2000-19GSE



636-4250-21GSE



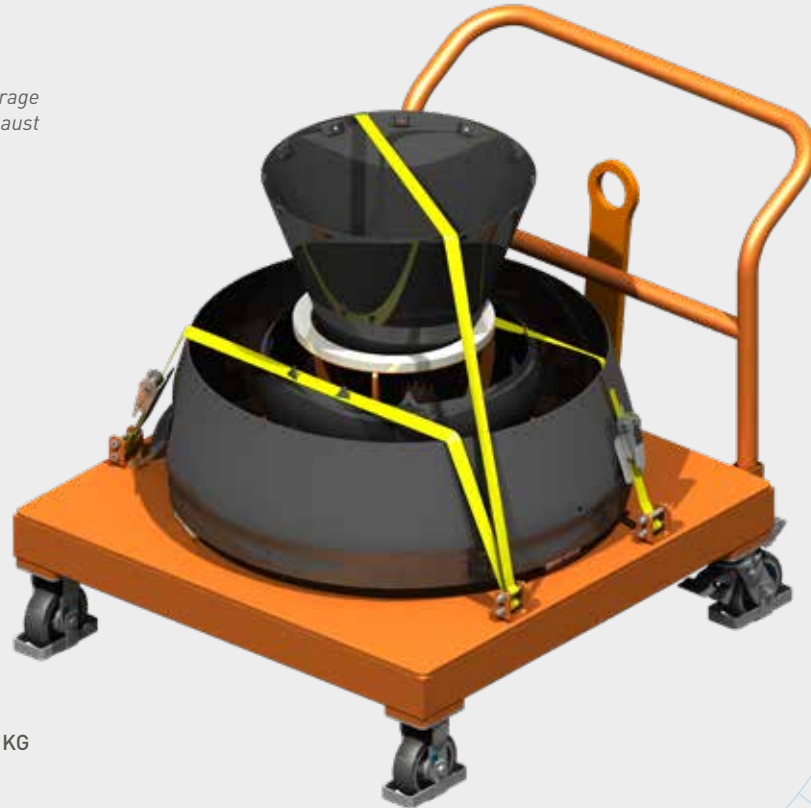


EXHAUST DOLLY



DESCRIPTION - USE

This tool is used for transportation and storage of FWD centerbody, AFT Center body and Exhaust Nozzle assy's.



1,20 x 1,10 x 1,00 m



225 KG

636-4000-22GSE



EXHAUST EXIT AREA PLUG



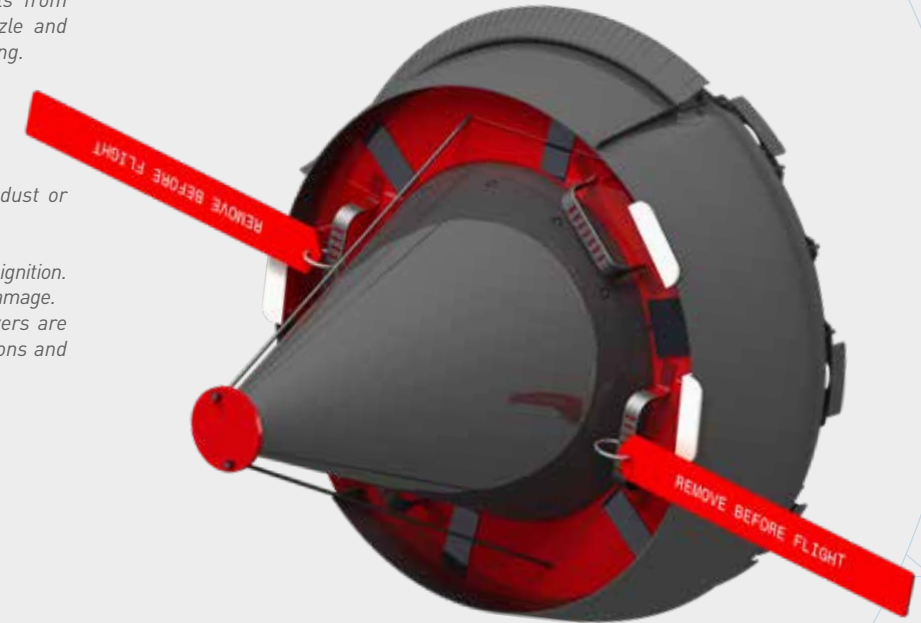
DESCRIPTION - USE

This tool is used to prevent foreign objects from entering open areas between Exhaust Nozzle and Exhaust Centre body during parking or mooring.



CAUTION

Without the Exhaust Exit Area Plug, water, dust or wind can go inside the Engine.
> Water retention: Accelerates corrosion.
> Dust: The Engine could be damaged during the ignition.
> Wind: Allows blade rotation which can create damage.
The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.



1 x 0,50 x 0,45 m



25 KG



636-4000-23GSE

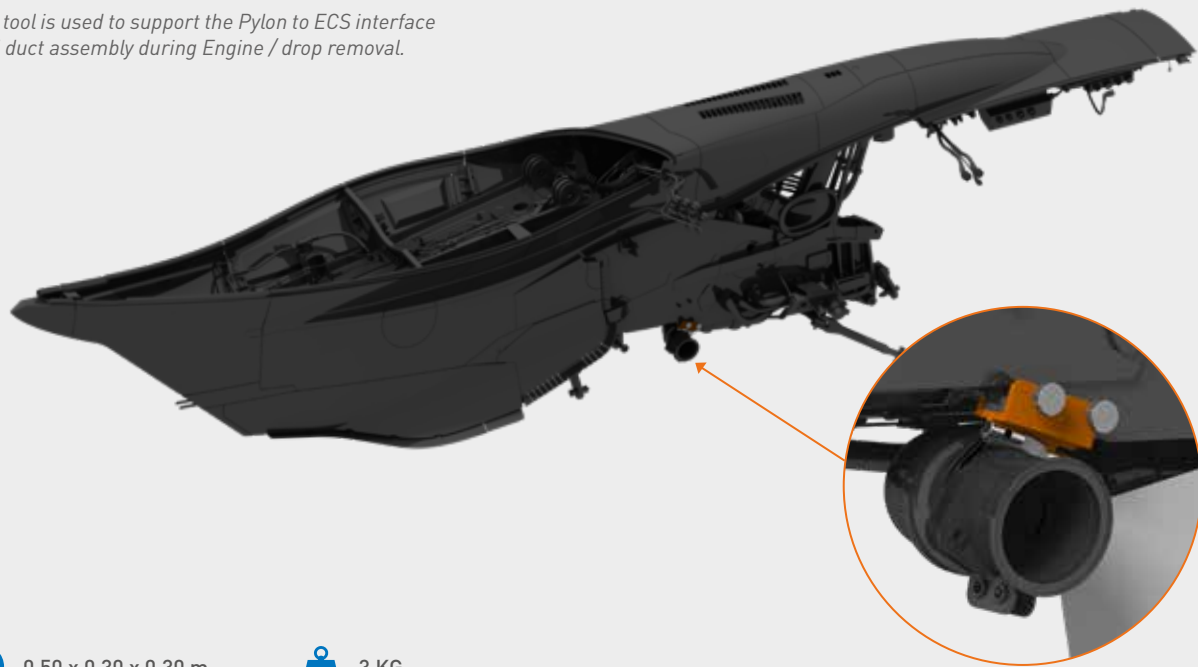


PYLON ECS INTERFACE DUCT SUPPORT



DESCRIPTION - USE

This tool is used to support the Pylon to ECS interface EBU duct assembly during Engine / drop removal.



0,50 x 0,30 x 0,30 m



3 KG

636-1000-27GSE



PW & CFM HOISTING DEVICE ENGINE MOUNT FWD



DESCRIPTION - USE

This tool is used to ensure the removal and the installation of the Engine Mount FWD.



CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Engine Mount. If the Engine Mount is lifted with another tool, and there is damage, the insurance may not cover the damage.



TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



0,60 x 0,50 x 0,25 m



16 KG

636-1000-29GSE





PW & CFM HOISTING DEVICE ENGINE MOUNT AFT

DESCRIPTION - USE

This tool is used to ensure the removal and the installation of the Engine Mount AFT.

CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Engine Mount. If the Engine Mount is lifted with another tool, and there is damage, the insurance may not cover the damage.

TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



0,80 x 0,60 x 0,40 m

20 KG

636-1000-30GSE




PW & CFM SUPPORT BEAM ENGINE MOUNTS

DESCRIPTION - USE

This tool is used to prevent the displacement or vibration of the Engine Mounts during its transport.



1,00 x 0,40 x 0,25 m

20 KG

636-1000-31GSE

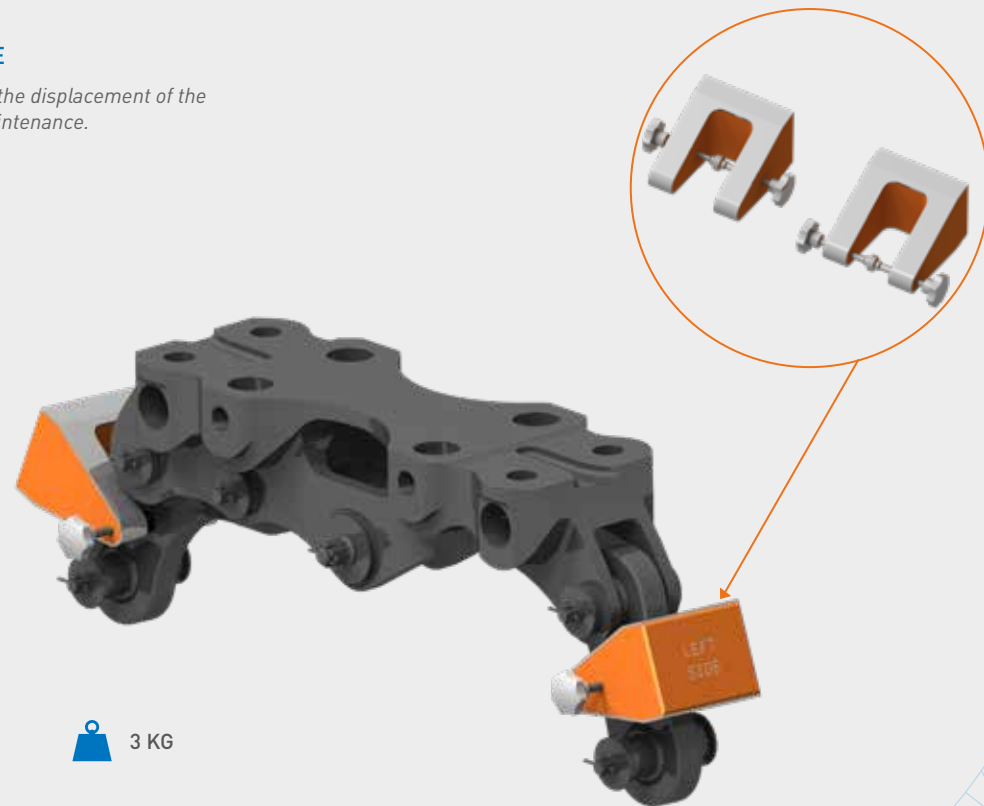




PW & CFM BLOCKING DEVICE ENGINE MOUNT AFT

DESCRIPTION - USE

These tools are used to block the displacement of the Engine Mounts during the maintenance.



0,50 x 0,50 x 0,50 m

3 KG

636-1000-32GSE




PW & CFM PIN EXTRACTOR ENGINE MOUNT AFT

DESCRIPTION - USE

This tool is used to extract AFT Engine Mount pin.



0,40 x 0,40 x 0,40 m

4 KG

636-1000-33GSE



CONTACT



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WEBSITES & SOCIAL MEDIA



PW 1100 LOW PROFILE



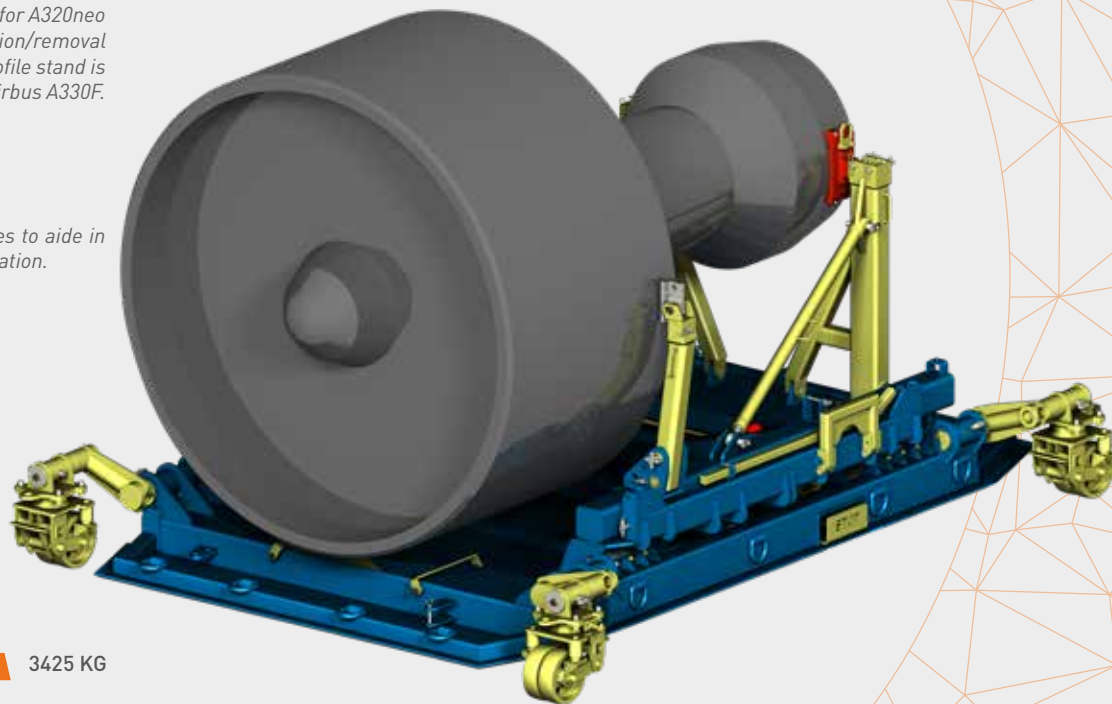
DESCRIPTION – USE

This tool is used to transport the PW1100 for A320neo family. The trolley is used for installation/removal tasks with Bootstrap. The PW1100 low profile stand is designed to do the transportation in the airbus A330F.



TEST

Dedienne Aerospace has regional facilities to aide in the required annual testing and recertification.



4,05 x 2,5 x 0,95 m



3425 KG



A320 FAMILY TR/ ENGINE ACCESS



DESCRIPTION – USE

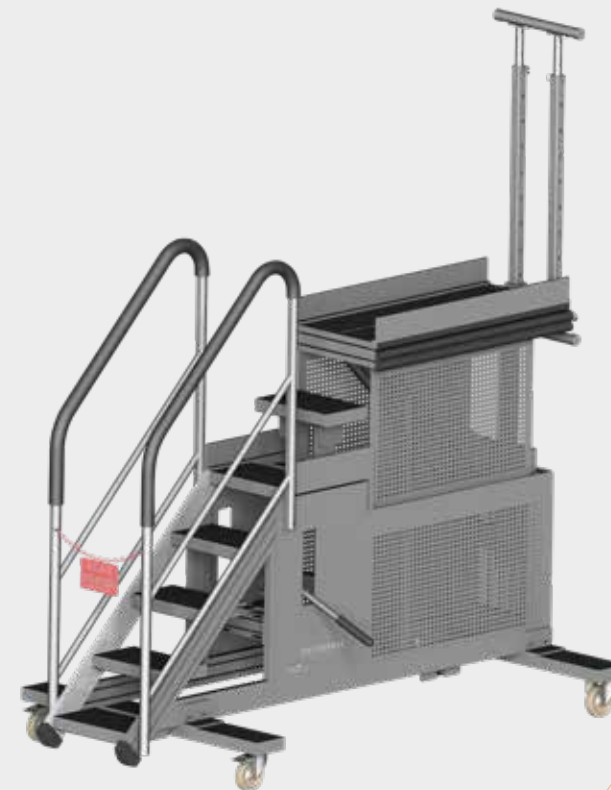
This platform is used to help operators to do maintenance task on A320 CEO and NEO engines, pylons and Thrust Reverser. Its adjustable height, from 1m to 1.5m, makes a wide range of uses and allows also an easy and safe utilization by the operators.

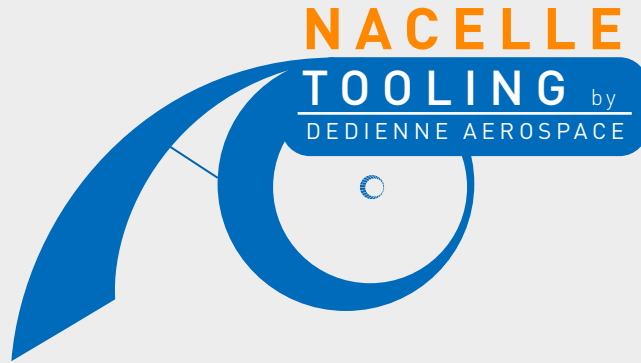


3 x 1,60 x 1,10 m



560 KG





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