



Business overview for **Defense Division**

Aerospace System

Pride in advanced technology



People-Oriented Human Mechatronics !

HYUNDAI WIA will open our living future along with nature

HYUNDAI WIA is now making a lot of exertions for improving our happiness through High Technology And HYUNDAI WIA is developing various Social Volunteer Activities in order to fulfill our obligation, contribution to our society Human Mechatronics World which HYUNDAI WIA is seeking after is affluent human society construction living with nature and giving priority to human.



Airplanes are the summation of the machine industry HYUNDAI WIA is leading the air-space era of the 21st century

Aircraft called as the group of advanced machine technology is the business figured by an essential element of the safety guaranteed with a drastic quality and a perfect technology. HYUNDAI WIA as only the landing gear manufacturing company in Korea is receiving a good fame from international famous aircraft manufacturing company and keep enlarging the business realms. As the landing gear manufacturing company, HYUNDAI WIA have produced and applied the landing gear that is mounted on training aircraft and next generation fighting plane, and are enlarging its realms to an airliner and middle size airline based on the accumulated technology. In addition, we are currently receiving the excellent technology after entering in the business of helicopter rotor, and the technology of various landing gears which is loaded in each air craft and other part businesses have been recognized.



T-50 Landing Gear

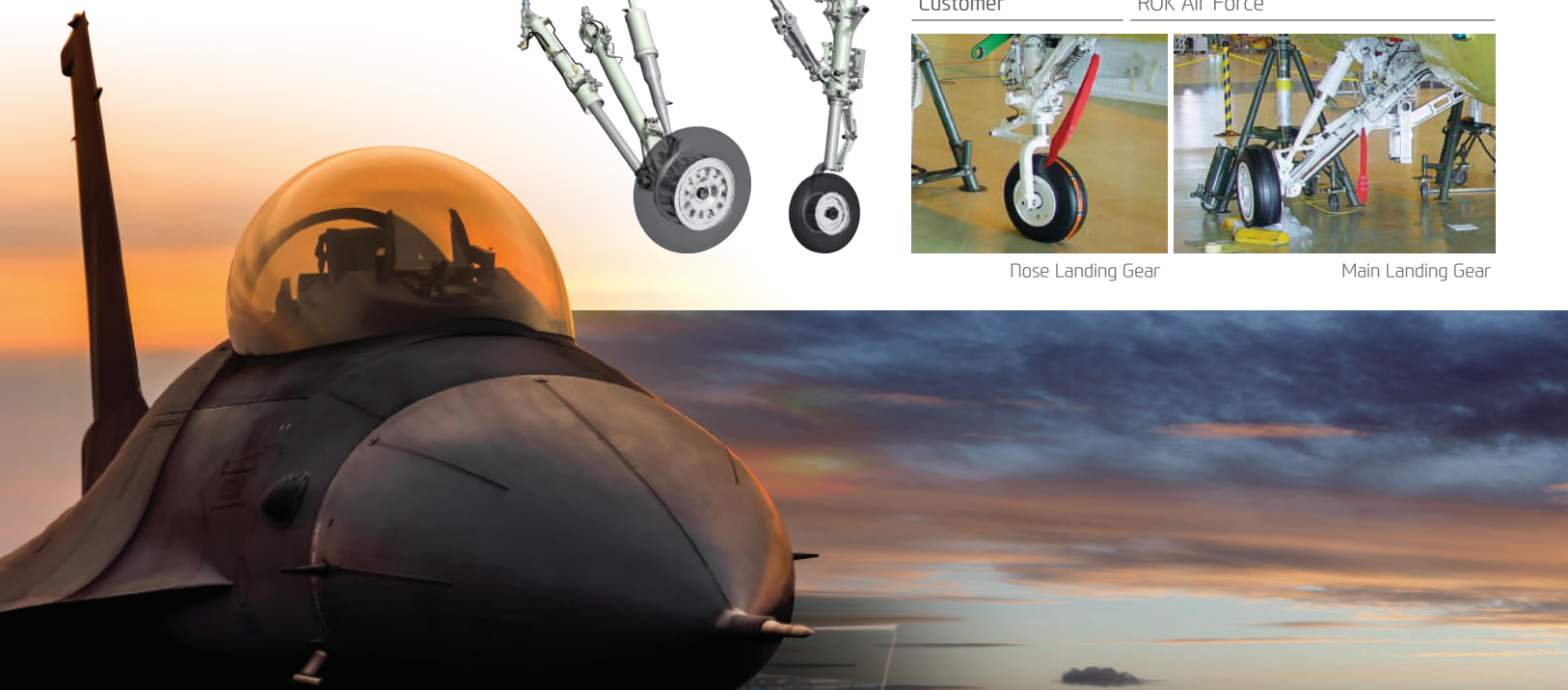
Specifications

Weight	Nose 54kg, Main 126kg (each)
Material	300M, 4340, A7075
Type	Retractable, Single Wheel
Stroke	Nose 330.2mm, Main 134.5mm
Co-developed by	Messier-Dowty
Customer	ROK Air Force



Nose Landing Gear

Main Landing Gear



02 Landing Gear Products

HYUNDAI WIA



• Nose/Main Landing Gear

KT-1 Landing Gear

Specifications

Weight	Nose 26.7kg, Main 36.0kg (each)
Material	4340, L168-T6S11, S154, S99
Type	Retractable, Single Wheel
Stroke	Nose 219mm, Main 248mm
Co-developed by	Claverham
Customer	ROK Air Force

KF-16 Landing Gear

Specifications

Weight	Nose 59 kg, Main 92 kg (each)
Material	300M Steel, A7049-T73, 4330V Steel
Type	Retractable, Single Wheel
Stroke	Nose 262.4mm, Main 106.4mm
Co-developed by	Goodrich
Customer	ROK Air Force



Nose Landing Gear



Main Landing Gear



F-15K Landing Gear



MLG Cylinder (L/H, R/H)

Material	300M Steel
Weight	45 kg
Licensors	GOODRICH
Customer	ROK Air Force



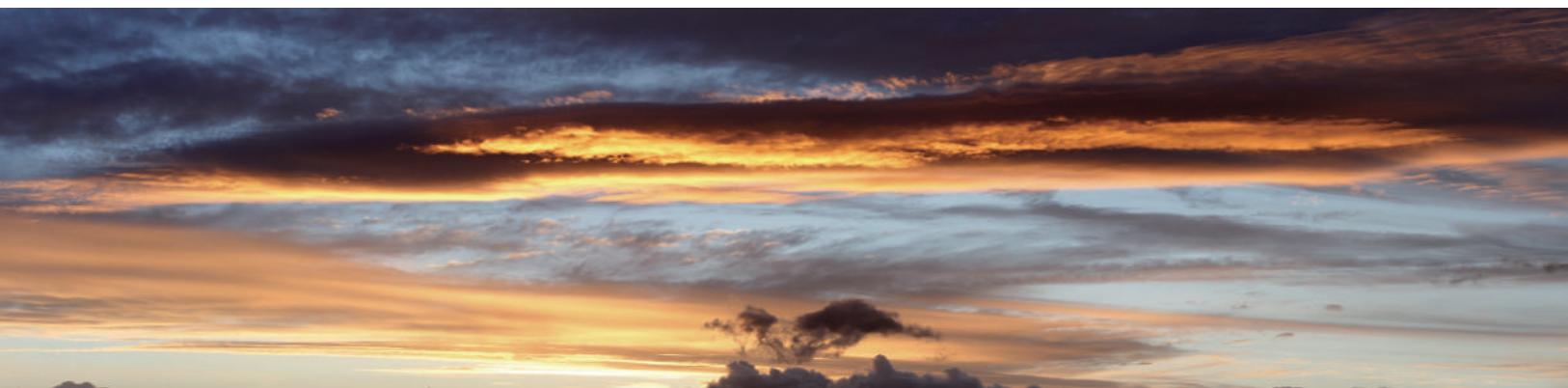
MLG Piston (L/H, R/H)

Material	300M Steel
Weight	43 kg
Licensors	GOODRICH
Customer	ROK Air Force



MLG Piston

Material	300M Steel
Weight	43 kg
Licensors	GOODRICH
Customer	ROK Air Force





KUH-Surion

Landing Gear

Weight	Nose 51.5kg, Main 54.2kg
Material	300M, 4340, A7175
Type	Oleo-Pneumatic, Fixed
Stroke	Nose 340mm, Main 507.5mm
Crash	10.5m/s
Customer	ROK Army



• Nose Landing Gear



• Main Landing Gear



• Pilot Seat



• Main Rotor Control



UH-60P Landing Gear

• Main Landing Gear

• Tail Landing Gear



Pilot Seat

Material	Nose 51.5kg, Main 54.2kg
Absorbing Type	300M, 4340, A7175
Safety Belt	Oleo-Pneumatic, Fixed

F-4/F-5 Landing Gear



F-4 Drag Brace

Aircraft	F-4 D/E Fighter-Bomber
Material	300M Steel
Weight	5 kg
Customer	ROK Air Force
Function	Component of Main L/G



F-4 NDB Cylinder

Aircraft	F-4 D/E Fighter-Bomber
Material	A7075
Weight	7 kg
Customer	ROK Air Force
Function	Component of Main L/G



F-4 MLG Cylinder

Aircraft	F-4 D/E Fighter-Bomber
Material	4330V Steel
Weight	41 kg
Customer	ROK Air Force
Function	Component of Main L/G



F-5 NLG Cylinder

Aircraft	F-5 E/F Fighter
Material	A7075
Weight	8 kg
Customer	ROK Air Force
Function	Component of Main L/G



Specifications

Weight	Tail 30.1kg, Main 65.7kg (each)
Material	300M Steel, A7175-T74, 4340 Steel
Type	Rigid, Single Wheel
Stroke	Tail 367mm, Main 743.8mm
Licensor	Sikorsky
Customer	ROK Army, Navy



Main Undercarriage

LYNX Landing Gear

Specifications

Weight	Nose 23.6kg, Main 22.7kg (each)
Material	L161-T6511, S154, DTD 5192
Type	Rigid, Single & Twin Wheel
Stroke	Nose 356.3mm, Main 356.3mm
Customer	Westland

Nose Undercarriage

A320/330/350/380 Landing Gear B787

A320 EV NLG Drag Stay

Type of Aircraft	A320 Commercial Airplane
Material	A7010
Weight	23 kg
Customer	Messier - Bugatti - Dowty
Function	Component of NLG Drag Stay



A340-300 NLG Kit

Type of Aircraft	A340-300 Commercial Airplane
Material	4340 Steel
Weight	14kg
Customer	Messier - Bugatti - Dowty
Function	Component of NLG Shock Absorber



A380 NLG Kit

Type of Aircraft	A380 Commercial Airplane
Material	A7075
Weight	6.4 kg
Customer	Messier - Bugatti - Dowty
Function	Component of NLG Shock Absorber



Axle, BPP, Cardan

Type of Aircraft	B787/A330/A350
Material	300M Custom 465
Weight	2000×190×600
Customer	Messier - Bugatti - Dowty
Function	Landing Gear Components





INTRODUCTION

HYUNDAI WIA Founded in 1976, a leading manufacturer in the industrial field of composite machinery in Korea, is producing high-tech precision products based on quality-first policy from Automobiles' Key Components, on the basis of our accumulated Technologies and Knowhows to various machine equipments such as Machine Tools, Robot, Press, etc. and Future-oriented Aircraft Components.

HYUNDAI WIA are developing Modern High-Tech Products to make human happiness realizable and are putting into practice Customer Satisfaction based on Perfect Quality as our a Top Priority and are showing dynamic growth as an Accredited Composite Machine Manufacturer all over the world as well as within the country.

"The 21st World High-Tech Precision Composite Machine Maker" is HYUNDAI WIA Hope and Aspiration and the Philosophy filled with Self-Confidence.

HYUNDAI WIA will promise we will be the Top Leader in Machine Tools and make affluent Technology Society and Pleasant Environment of Our Human Being through Constant Technology Development and Personnel Education in the pursuit of Creativity and Challenge

HYUNDAI WIA will hope for your constant Interests and Encouragements.

The Technology of the Future is in Our Customer's Dreams

HYUNDAI WIA – Making dreams Come true through innovation and challenge.



Land System

- 155mm/105mm Towed Howitzer
- 155mm SP-Howitzer Main Armament
- 120mm Tank Gun
- 60mm, 81mm, 120mm Mortar
- RCWS



Naval Armament System

- 5" Naval Gun
- 76mm Naval Gun
- 57mm Mk3 Naval Gun
- 40mm Mk3 Naval Gun
- 30mm Goalkeeper



Aerospace System

- Main & Nose Landing Gear
- Main Rotor Control
- Pilot Seat
- Commercial Airplane
- Landing Gear



www.hyundai-wia.com

Head Office	153, Jeongdong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do
Seoul Office	12F, 512, Yeongdong-daero, Gangnam-gu, Seoul
Defense Sales Team	• Head office : +82-55-280-9961 • Seoul office : +82-2-6902-6221