



PRODUCT INFORMATION BROCHURE

1.4B

Oil★Star



Oil★Star Detonators are specially designed electric detonators used in the oil and gas industry for wireline performed blasting operations (perforations, plug setting etc.). For this purpose they exhibit high temperature and for some types high-pressure resistance. They are resistorized to increase their electric energy immunity and all are provided with antistatic sleeve and spark gap for low electrostatic discharge sensitivity. Some versions are equipped with adapters to easily connect detonating cord and some exhibit fluid disabling feature.

PRODUCT OVERVIEW

ADVANTAGES

- Temperature rating: up to 350°F, 392°F(A-140H) 475°F (A-161) for 1 hour
- Pressure resistance: up to 14 500 psi (A-96L and A-105) for 4 hours
- High immunity against electrostatic energy: 25 kV / 2500 pF (resistorized: resistance $\geq 52 \Omega$)
- Fluid disabled function (A-85, A-140F/Block, A-140S, A-161)
- Detonating cord adapter (A-140F/Block, A-85, A-105), optional add-on (A-161)
- Packaging 1.4B: 500 parts per box (A-140F/Block 220 parts)
- High reliability
- Easy handling
- Broad range available:
 - Temperature resistant detonators (A-140, A-140H, A-161)
 - Temperature and pressure resistant detonators (A-96L, A-105)
 - Temperature resistant and fluid disabled detonators (A-85, A140F/Block, 140S, A-161)



PROPERTIES

Properties	A-96L	A-105	A-140	A - 140H	A-140S	A-140F/ BLOCK	A-85	A-161
Resistance (Ω)	52-59	52-59	52-59	52-59	52-59	52-59	52-59	52-59
No Fire Current (A)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Temp. ($^{\circ}$ F)	350	350	350	392	350	350	350	475
Pressure (psi)	14,500	14,500	100	100	N/A	N/A	N/A	N/A
Fluid disabled	N	N	N	N	Y	Y	Y	Y
Adapter	N	Y	N	N	N	Y	Y	N

PACKAGING

Type	Units / box (pcs.)	Brutto / Box (kg)
A-96L	500	14.9
A-105	500	15.6
A-105/100	500	16.4
A-2B	500	11.2
A-140	500	11.6
A-140H	500	12.5
A-140S	500	12.8
A-140F/Block	220	10.2
A-84	500	14.8
A-85	500	15.5
A-161	500	12.2

Box size: 22x13.5x11.5 in (560x340x295 mm)

HANDLING

Keep detonators away from children. For use by authorized personnel only. Always dispose of detonators using proper methods. Consult your supervisor or Austin Detonator representative.

ECO BENEFITS

A-140F, A-140S and A-140F/Block or Short are equipped with “green” lead-free Fuse heads.

SHELF LIFE, STORAGE & DISPOSAL

- Detonators must be stored in an approved magazine located to conform to state and local laws and regulations.
- The storage magazine should be well built, well ventilated, clean, dry, fire resistant and securely locked when not in use.
- Detonators should never be stored in the same magazine with other explosives.
- Shelf life (at temperature between -40° F and $+140^{\circ}$ F) is 5 years.

TRANSPORT – UN CLASSIFICATION

Class & Division: 1.4B
ID Number: UN0255

US DOT REFERENCE NUMBER

Disclaimer of Warranties and Limitations of Liabilities: Products described in this document are sold by Austin Powder without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder’s straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages. For more information and service locations please contact Austin Powder’s headquarters:

ADD QR
CODE IN
HERE



AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.