



Cobra Aero AS1946

- Stainless steel braided, carbon lined PTFE, high-pressure hose
- Use cases: Aero - hydraulic and pneumatic usage, fuel lines, lubricating oil
- Qualification according to the AS1946 standard

CoreDux base hose range										
Nominal Hose Size [mm. (in)]	Hose mat.	Braid mat.	Hose Inside dia. [mm.(in)]	Tol- erance +/-	Hose outside dia. [mm.(in)]	Tol- erance +/-	Minimum centre line bend radius	Working pressure at 20°C* (70°F) [bar (psig)]	Minimum Burst Pressure at 20°C (70°F) [bar (psig)]	Temp. Range [°C (°F)]
							Static [mm. (in)]			
DN6 1/4"	PTFE	Stainless steel	5,64 (0.222)	0,25 (0.010)	9,53 (0.375)	0,38 (0.015)	38 (1.5)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN8 3/8"	PTFE	Stainless steel	7,82	0,25 (0.010)	12,01 (0.473)	0,38 (0.015)	64 (2.5)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN10 1/2"	PTFE	Stainless steel	10,19 (0.401)	0,25 (0.010)	15,24 (0.6)	0,46 (0.018)	74 (2.9)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN12 5/8"	PTFE	Stainless steel	12,57 (0.495)	0,25 (0.010)	18,03 (0.71)	0,46 (0.018)	84 (3.3)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN15 3/4"	PTFE	Stainless steel	15,67 (0.617)	0,38 (0.015)	24,64 (0.97)	0,51 (0.02)	102 (4.0)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN20 1"	PTFE	Stainless steel	22,02 (0.867)	0,38 (0.015)	31,75 (1.25)	0,51 (0.02)	127 (5.0)	345 (5000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN25 1 1/4"	PTFE	Stainless steel	28,58 (1.125)	0,64 (0.025)	40,46 (1.6)	1,02 (0.04)	305 (12.0)	276 (4000)	1103 (16.000)	-55 to 232 (-67 to 450)
DN32 1 1/2"	PTFE	Stainless steel	34,93 (1.375)	0,64 (0.025)	48,77 (1.92)	1,02 (0.04)	356 (14.0)	276 (4000)	826 (12.000)	-55 to 232 (-67 to 450)

*Working pressures should be down-rated for impulse applications

COBRA AERO AS1946

End connections

- Connections are based on customer specifications

Compliance

- EN ISO 9001
- EN 9100
- AS1946, similar to ISO 10502:2012

Cleanliness

- In accordance with AS1946 standards

Product tests

- Pressure proof test
- Weight analysis

Packaging

- Each hose is bagged individually and boxed. Longer hoses are coiled, bagged and boxed

AS1946 Qualification

AS1946 is an Aerospace Standard that defines the design, materials, manufacturing, and performance requirements for PTFE-lined, metallic-reinforced hose assemblies intended for aerospace hydraulic, fuel, lubricating oil, and pneumatic systems.

Qualification tests performed during qualification include:

- Fire test
- Electrical conductivity
- Fluid compatibility according to MIL-DTL-5624

