

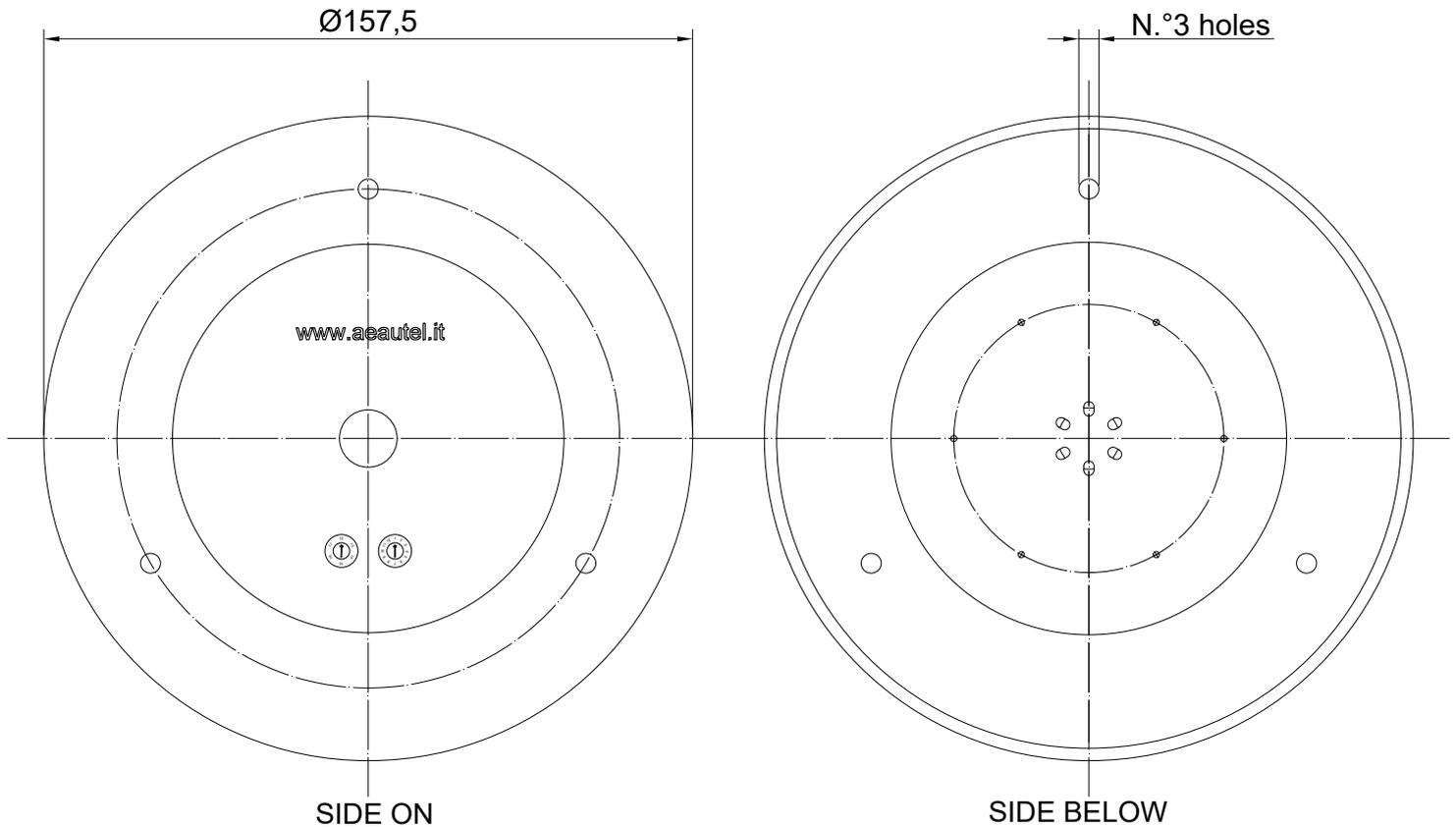
WORKING CONDITIONS

PARAMETERS	VALUES	NOTE
WORKING PRESSURE	Max 8 Bar	
ENVIRONMENT TEMPERATURE (T)	- 40°C + 100°C	-
AIR QUALITY CLASSES in according to ISO 8573-1	SOLID	2
		4
	WATER	3
	OIL	1
		For T > +3°C For -20°C < T < +3°C For -40°C < T < -20°C



DIAPHRAGM CHARACTERISTICS

CODE	VL00C300A	Autel SPRINGLESS diaphragm
COLOUR	WHITE NEUTRAL	
MATERIAL	TPE HYTREL G4774	
HOLES	3	



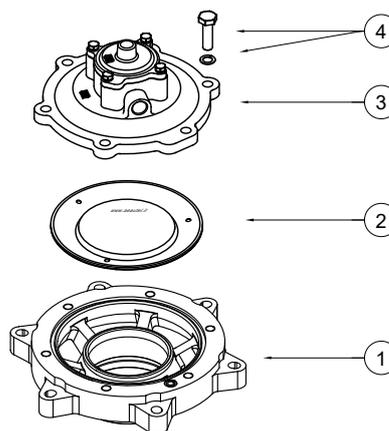
HOW TO REPLACE THE DIAPHRAGM :

Remove the cap (Pos.3) unscrewing the six (Pos.4) screws, remove the old diaphragm (Pos.2)

Before to replace the diaphragms, clean carefully the seats.

Place the new one and check that is placed in the right position.

Replace the cap and retighten all screws.(check the tightening torque tab)



Pos.N°	Screw	tightening torque	Max tightening torque
4	M10	20-22 Nm 2-2,2 Kgm	26



Hytrel®

polyester elastomer

Hytrel® G4774

Hytrel® G4774 is a medium modulus, 117 MPa, Hytrel® grade, with nominal durometer hardness of 47D. It contains a discoloring antioxidant. It can be processed by many conventional thermoplastic processing techniques like injection molding and extrusion.

Property	Test Method	Units	Value
Mechanical			
Tensile Strength at Break	ASTM D 638	MPa (kpsi)	20.7 (3.0)
Elongation at Break	ASTM D 638	%	275
Poisson's Ratio	ASTM E 132		0.45
Flexural Modulus	ASTM D 790 IB	MPa (kpsi)	117 (17)
Izod Impact 6.35mm (0.25in)	ASTM D 256 A	J/m (ft lb/in)	NB
Thermal			
Heat Deflection Temperature 0.45MPa (66psi) 1.8MPa (264psi)	ASTM D 648	°C (°F)	72 (162) 45 (113)
Melting Point	ASTM D 3418	°C (°F)	208 (406)
Vicat Softening Point	ASTM D 1525 B	°C (°F)	174 (345)
Melt Flow Rate 2.16kg at 230C	ASTM D 1238	g/10 min	11
Flammability			
UL94 Rating at Min. Thickness	UL94		HB
UL94 Min. Thickness Tested	UL94	mm (in)	1.57 (0.062)
Other			
Hardness, Durometer D	ASTM D 2240		47
Ross (pierced), 5X Cut Growth	ASTM D 1052	cycles	>1 E6
Initial Tear Resist., Die C	ASTM D 1004	kN/m (lb/in)	94 (535)
Taber Abrasion	ASTM D 1044	mg	13
CS-17 Wheel, 1kg, 1000 cycles			168
H-18 Wheel, 1kg, 1000 cycles			
Water Absorption	ASTM D 570	%	2.5
Immersion 24hr			1.20
Specific Gravity	ASTM D 792		
Mold Shrinkage	ASTM D 955	%	1.4
3.2mm (0.125in), Flow			

Mechanical properties measured at 23°C (73°F)

Contact DuPont for MSDS, general guides and/or additional information about ventilation, handling, purging, drying, etc.

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For other medical applications, see "DuPont Medical Caution Statement", H-50102.

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Hytrel® G4774

Property	Test Method	Units	Value
Processing			
Melt Temperature Range		°C (°F)	235-260 (455-500)
Mold Temperature Range		°C (°F)	<45 (<113)
Processing Moisture Content		%	<0.1

Mechanical properties measured at 23°C (73°F)

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