

Table 1: Technical data

Max. Pressure	Standard Rotation	Stroke Adjustment Screw	Ø Chamber (in)	Air volume (in³)		Approx. Stroking time (sec.) ¹⁾				Operating temperature range (°f) ²⁾		
						Double acting		Spring return				
116 Psi	0° - 90°	For 1° adj. 1/5 Turn needed	4,53	opening	closing	opening	closing	opening	closing	ST -40 to +176	HT +5to +302	LLT2 -76 to +176
				72.6	109.8	0.70	0.80	0.90	1.10			

¹⁾ The values refer to specific test conditions; please contact AIR TORQUE for detailed information.

²⁾ Every temperature range option requires proper components and lubricant. please contact AIR TORQUE for detailed information.

Table 2: Nominal output torque for Double acting actuators (Lb-In)

Pressure	40 Psi		50 Psi		60 Psi		70 Psi		80 Psi		90 Psi		100 Psi		110 Psi		116 Psi		Approx. weight (lb)	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		
D	1049		1312		1574		1836		2099		2361		2623		2886		3043		19,50	

Table 3: Nominal output torque for Single acting actuators (Lb-In)

Pressure	40 Psi		50 Psi		60 Psi		70 Psi		80 Psi		90 Psi		100 Psi		110 Psi		116 Psi		Spring Stroke		Approx. weight (lb)
Spring Set	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
S 05	687	470	949	732	1211	994	1474	1257	1736	1519	1998	1781	2260	2044					580	363	20,90
S 06	614	354	876	616	1139	878	1401	1141	1663	1403	1926	1665	2188	1928	2450	2190			696	435	
S 07	541	238	804	500	1066	762	1328	1025	1591	1287	1853	1549	2115	1812	2378	2074	2535	2231	812	508	21,40
S 08			731	384	993	646	1256	909	1518	1171	1780	1433	2043	1696	2305	1958	2463	2115	928	581	
S 09					921	530	1183	793	1446	1055	1708	1317	1970	1580	2233	1842	2390	1999	1044	653	21,90
S 10					848	414	1111	677	1373	939	1635	1201	1898	1464	2160	1726	2317	1883	1160	726	
S 11							1038	561	1300	823	1563	1085	1825	1348	2087	1610	2245	1767	1276	798	22,40
S 12									1228	707	1490	969	1753	1232	2015	1494	2172	1652	1392	871	

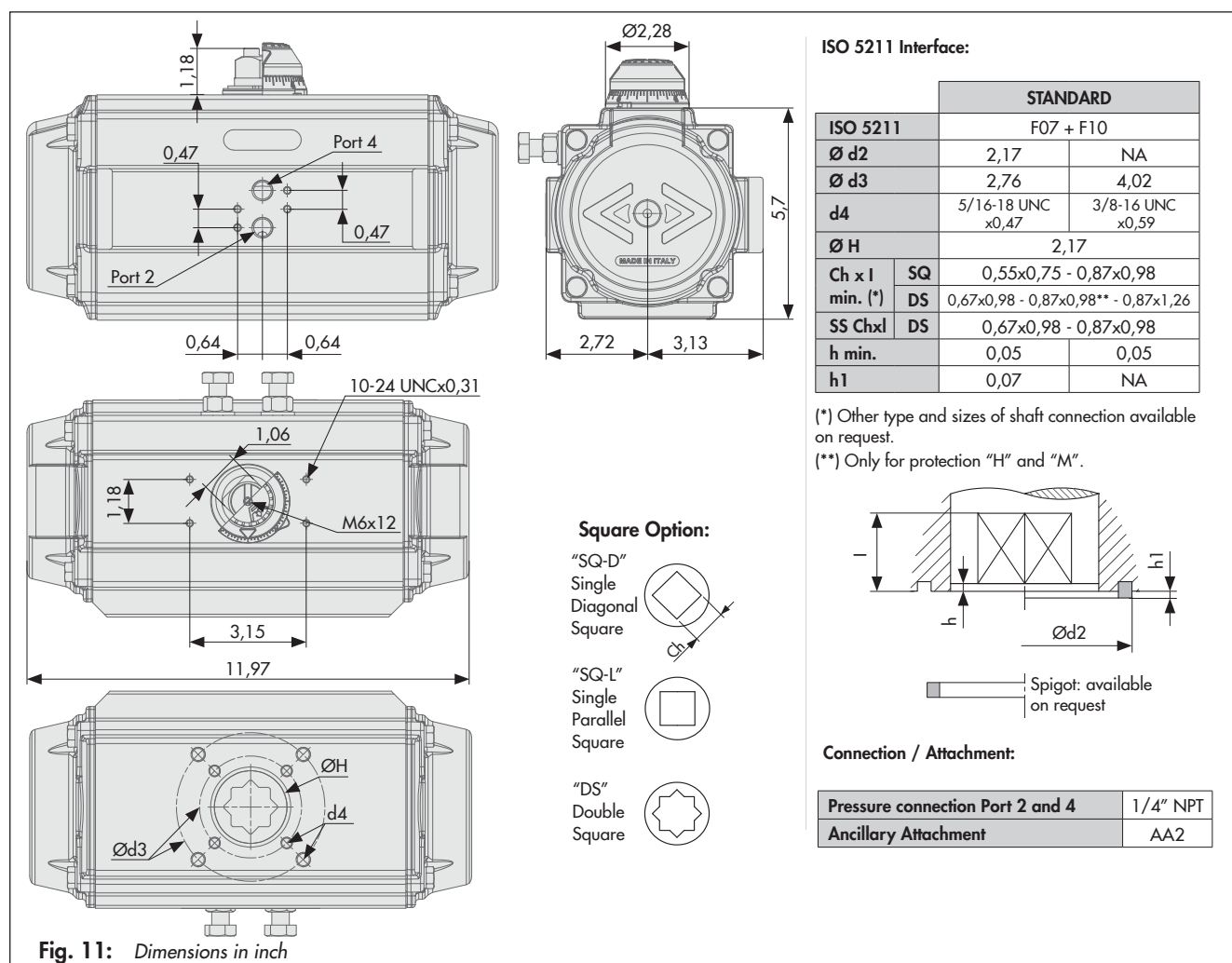


Fig. 11: Dimensions in inch