

ARL Table for shape parameter increase from the in-control state in $Wei(1.1, 1.6)$

Table 1: ARL of α increase from in-control state in $Wei(1, 1.6)$

α	μ_X	$n = 5$				$n = 10$				$n = 20$			
		\bar{X} chart		\tilde{X} chart		\bar{X} chart		\tilde{X} chart		\bar{X} chart		\tilde{X} chart	
		ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+
1.00	1.60	96.90	198.70	97.53	198.79	99.19	198.25	100.16	203.43	98.29	194.86	100.04	201.35
1.05	1.57	145.13	351.42	139.31	225.92	147.98	380.98	141.85	192.64	144.81	400.61	117.98	140.40
1.10	1.54	214.85	644.24	185.26	253.95	214.34	741.36	157.07	176.54	201.93	849.33	94.44	97.88
1.15	1.52	310.64	1210.17	238.39	287.26	307.02	1504.46	157.72	165.09	269.26	1894.68	70.10	69.17