

Tolerances for Class III L Scales - Table 6. T.N.3 Tolerance Values

Scale Division in Pounds

Test Load in d	Main. Tol in d	Accp.Tol in d	10	Test Load in Pounds	10	20	Test Load in Pounds	20	50	Test Load in Pounds	50	
			Accep.		Maint.	Accep.		Maint.	Accep.		Maint.	
N.1.9 Zero	0	1	0.5	5	0	10	10	0	20	25	0	50
0 to 500	1	0.5	5	5000	10	10	10000	20	25	25000	50	50
501 to 1000	2	1	10	10000	20	20	20000	40	50	50000	100	100
1001 to 1500	3	1.5	15	15000	30	30	30000	60	75	75000	150	150
1501 to 2000	4	2	20	20000	40	40	40000	80	100	100000	200	200
2001 to 2500	5	2.5	25	25000	50	50	50000	100	125	125000	250	250
2501 to 3000	6	3	30	30000	60	60	60000	120	150	150000	300	300
3001 to 3500	7	3.5	35	35000	70	70	70000	140	175	175000	350	350
3501 to 4000	8	4	40	40000	80	80	80000	160	200	200000	400	400
4001 to 4500	9	4.5	45	45000	90	90	90000	180	225	225000	450	450
4501 to 5000	10	5	50	50000	100	100	100000	200	250	250000	500	500
5001 to 5500	11	5.5	55	55000	110	110	110000	220	275	275000	550	550
5501 to 6000	12	6	60	60000	120	120	120000	240	300	300000	600	600
6001 to 6500	13	6.5	65	65000	130	130	130000	260	325	325000	650	650
6501 to 7000	14	7	70	70000	140	140	140000	280	350	350000	700	700
7001 to 7500	15	7.5	75	75000	150	150	150000	300	375	375000	750	750
7501 to 8000	16	8	80	80000	160	160	160000	320	400	400000	800	800
8001 to 8500	17	8.5	85	85000	170	170	170000	340	425	425000	850	850
8501 to 9000	18	9	90	90000	180	180	180000	360	450	450000	900	900
9001 to 9500	19	9.5	95	95000	190	190	190000	380	475	475000	950	950
9501 to 10000	20	10	100	100000	200	200	200000	400	500	500000	1000	1000

1. Tolerances

T.N.2.1. - Values are plus and minus unless otherwise specified.

T.N.3.1. - Maintenance Tolerances are based on Table 6

T.N.3.2. - Acceptance Tolerances are one-half the maintenance tolerances in Table 6

T.N.4.4. - Range of results from section tests shall not exceed the absolute value of maintenance tolerance (e.g., 20 lb not +/- 20)

T.N.5. - The range of results from several weighings of the same load under reasonably static test conditions must agree within the absolute value of the maintenance tolerance (e.g., 20 not +/- 20). Applies even when acceptance tolerances are used.

N.1.9. Zero Load Balance Change - the zero load shall not change by more than the minimum tolerance applicable to the scale.

S.5. Accuracy Class - III L devices must have: (1) d equal to or greater than 5 lb, (2) at least 2000 d but not more than 10000.

Table 6. Maintenance Tolerances in Scale Divisions

Tolerances	1	2	Add 1 d for each additional 500 d of test load or fraction thereof
III L	0 to 500	501 to 1000	For test loads greater than 1000 d