



Elevator Spring Buffer Selection Guide

We have developed the entire range of Spring Buffers from 6 Passengers to 26 Passengers for Speeds up to 0.70 MPS and 1.00 MPS with the options of using one Spring Buffer per set or two per set.

In compliance with latest Elevator Safety Standards IS 17900 / EN 81 mandates the specification of Buffers to incorporate the following:

Speed Of The Elevator	Minimum Deflection Of Spring Buffer
0.70 MPS	65 mm
1.00 MPS	135 mm

Number Of Passengers	Recommended Maximum Rated Load (kg) (Weight Of Passengers + Weight Of CAR)
6	750
8	1000
10	1250
13	1600
16	2000
20	2500
26	3300

All MESCO Spring Buffers are designed for maximum load capacity of 2.50 Times to 4.00 Times the Rated Load



MESCO ESB Series Elevator Spring Buffer For 0.70 MPS Speed					
Spring Buffer Item Code	Recommended For PASS / Max Rated Load, kg	Spring Buffer Dia, mm	Spring Buffer Height, mm	Load at Stroke, kg 65mm to 75mm	Max Load, kg
ESB-07-0750	6 PASS / 750 kg	102	171	1686	1875
ESB-07-1000	8 PASS / 1000 kg	110	182	2247	2500
ESB-07-1250	10 PASS / 1250 kg	105	203	2811	3125
ESB-07-1600	13 PASS / 1600 kg	114	214	3600	4000
ESB-07-2000	16 PASS / 2000 kg	118	227	4500	5000
ESB-07-2500	20 PASS / 2500 kg	124	242	5627	6250
ESB-07-3300	26 PASS / 3300 kg	134	255	7430	8250

MESCO ESB Series Elevator Spring Buffer For 0.70 MPS Speed						
Item Code	Wire Dia	Outside Dia, mm	Height, mm	Identification Color Code	Price Without Plate, Rs	Price With Plate, Rs
ESB-07-0750	16	102	171	Yellow	490	683
ESB-07-1000	18	110	182	Red	654	847
ESB-07-1250	19	105	203	Green	775	968
ESB-07-1600	21	112	214	White	988	1181
ESB-07-2000	23	118	227	Black	1255	1448
ESB-07-2500	25	123	242	Orange	1550	1743
ESB-07-3300	28	133	255	Pink	2027	2220
Bottom Plate: 250mm X 150mm X 6mm Thk -2 Holes 13mm each CTC 200mm						
Finish: High gloss Sapphire Blue (RAL 5003) - Epoxy Coating						



MESCO ESB Series Elevator Spring Buffer For 1.00 MPS Speed					
Spring Buffer Item Code	Recommended For PASS / Max Rated Load, kg	Spring Buffer Dia, mm	Spring Buffer Height, mm	Load at Stroke, kg 135mm to 150mm	Max Load, kg
ESB-10-0750	6 PASS / 750 kg	102	305	1686	1875
ESB-10-1000	8 PASS / 1000 kg	110	320	2247	2500
ESB-10-1250	10 PASS / 1250 kg	105	362	2811	3125
ESB-10-1600	13 PASS / 1600 kg	114	367	3600	4000
ESB-10-2000	16 PASS / 2000 kg	118	404	4500	5000
ESB-10-2500	20 PASS / 2500 kg	124	422	5627	6250
ESB-10-3300	26 PASS / 3300 kg	134	447	7430	8250

MESCO ESB Series Elevator Spring Buffer For 1.00 MPS Speed						
Item Code	Wire Dia	Outside Dia, mm	Height, mm	Identification Color Code	Price Without Plate, Rs	Price With Plate, Rs
ESB-10-0750	16	102	305	Yellow	798	991
ESB-10-1000	18	110	320	Red	1066	1259
ESB-10-1250	19	105	362	Green	1288	1481
ESB-10-1600	21	112	367	White	1652	1845
ESB-10-2000	23	118	404	Black	2085	2278
ESB-10-2500	25	123	422	Orange	2583	2776
ESB-10-3300	28	133	447	Pink	3388	3581
Bottom Plate: 250mm X 150mm X 6mm Thk -2 Holes 13mm each CTC 200mm						
Finish: High gloss Grey (RAL 7004) Epoxy Coating						

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