

General information about springs

Manufactured springs are subject to tolerances. To provide uniform installation conditions on vehicle, the tolerances showing up during production of the springs are compensated with regard to spring length or installation height. To identify the various spring lengths, the springs are marked with paint at the final, lower end of coil. (Color marks in center of spring are inspection marks of manufacturer, they are of no significance with regard to length of spring). The part number and the DB company symbol are punched into each spring at end of final coil.

a) Front springs

On front springs the different spring lengths (installation heights) are identified by the following colors:

- Model 123 red = short spring
- blue = long spring

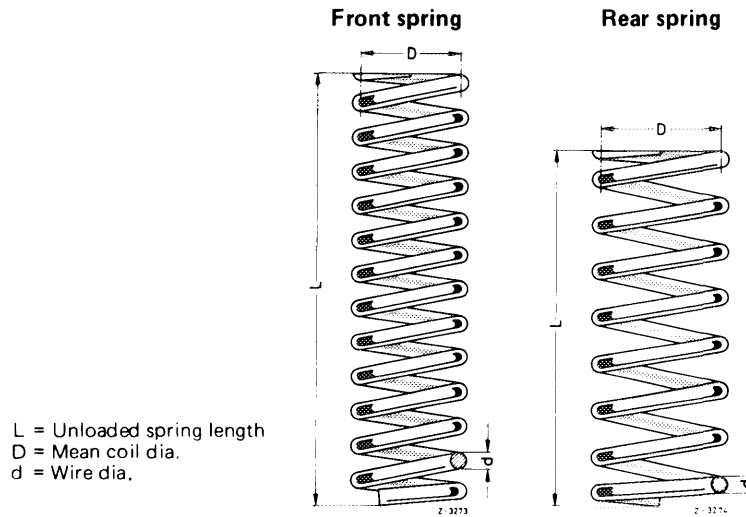
The various installation heights of the springs and the different axle loads resulting for the individual vehicle models and versions are compensated by the installation of rubber mounts of varying height (refer to tables „Adjustment of front springs“).

b) Rear springs

The color code on rear springs is the same as on front springs, therefore

- model 123 red = short spring
- blue = long spring

The various installation heights and rear axle loads are compensated by rubber mounts of varying height for the rear springs (refer to table „Adjustment of rear springs“).



Test values

Part no.	Spring travel per 1000 N load	Wire dia. „d“	Unloaded spring length „L“
Front springs			
123 321 21 04	23.3	14.75	447
123 321 26 04	17.45	16	442
123 321 27 04	23.3	15	463
123 321 36 04	20.4	15.41	453
123 321 37 04	27	14.3	460

Test values

Part no.	Spring travel per 1000 N load	Wire dia. „d“	Unloaded spring length „L“
123 321 39 04	25	14.7	460
123 321 41 04	18.4	15.8	450
123 321 45 04	17.1	16.2	450

Rear Springs

115 324 22 04	15.9	16.9	350
115 324 27 04	19.5	15.9	353
115 324 29 04	12.35	17.8	344
115 324 34 04 ¹⁾	18.8	15.2	369
115 324 36 04 ²⁾	15.5	16	357
115 324 37 04 ³⁾	22.2	14.25	366
115 324 38 04 ⁴⁾	18.7	15.1	361
116 324 08 04	16.6	16.9	373.5
116 324 09 04	15.2	17.2	372.5
123 324 06 04	18.45	15.95	359
123 324 14 04	18.45	15.95	355
123 324 15 04	21.5	14.95	337
123 324 27 04	17	16.45	356
123 324 29 04	18.2	15.65	336
123 324 30 04	19.2	15.2	345
123 324 31 04	16.6	14.4	348
123 324 33 04	20.9	15.8	360
123 324 34 04	15.9	16.6	339
123 324 35 04	17.9	15.2	369
123 324 36 04	19.1	16	371
123 324 38 04	12.59	17.8	339
123 324 41 04	18.8	15.5	347

¹⁾ Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 00 20.

²⁾ Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 01 20.

³⁾ Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 02 20.

⁴⁾ Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 03 20.