

CORRECT COIL SPRING SELECTION

It is important to understand that the Terrafirma Coil Springs that are intended to lift the vehicle provide approximately 2" (50mm) of lift while carrying light, medium or heavy loads.

Minimal mechanical changes are required when lifting by this amount, however the Terrafirma Suspension Hardware range of accessories does allow for greater lift and significantly increased wheel travel, further enhancing off road ability.

Selecting the most suitable springs for a Land Rover may be with some compromise. A heavy load spring needed when fully loaded may ride too high and too hard when unloaded.

Likewise a light load spring that is comfortable and flexible will not achieve the desired lift or carry the heavy loads associated with expedition vehicles.

Load carrying coil springs are often progressive or variable (V) this provides a combination of comfort and load carrying in one spring.

It is worth noting that Terrafirma coil springs are sold in pairs, in many cases one spring is 10mm longer than the other, the longer spring should always be fitted to the driver's side.

By considering the three Defender images and combining the Terrafirma Coil Spring application guide and specifications it should be possible to select suitable coil springs or a suspension kit for your vehicle. Use the detailed spring descriptions by part number to help accurately fine tune the spring requirements for your specific application.

LIGHT LOAD	MEDIUM LOAD	HEAVY LOAD
		
Vehicles with no additional equipment fitted	Vehicles fitted with some additional weight such as a roof rack and winch and bumper	Vehicles fitted with significant off road equipment such as a heavy winch and bumper, loaded roof rack, storage equipment and spare wheel carrier

APPLICATION	LIGHT LOAD	MEDIUM LOAD	HEAVY LOAD	LOWERED 1"	LOWERED 2"	STD HEIGHT HEAVY LOAD
Defender 90						
Front	TF014	TF018	TF015	TF032		TF036
Rear	TF015	TF023V	TF027V	TF033		TF037
Defender 110/130						
Front	TF014	TF018	TF015	TF032		TF036
Rear	TF010	TF019	TF011	TF034	TF035	TF038
Discovery 1/RRC						
Front	TF014	TF018	TF015			
Rear	TF015	TF023V	TF027V			
Discovery 2						
Front	N/A	TF042	TF052			
Rear	N/A	TF023V	TF027V			
P38 Air to Coil conversion						
Front	TF030	TF031				
Rear	TF031	TF018				

2" LIFT COIL SPRING SPECIFICATIONS

WIRE DIAMETER MM	SPRING ID MM +/- 1.5MM	LOADED HEIGHT KG	LOADED HEIGHT MM +/- 5MM	TESTED SPRING RATE	PART NO.
18	134	415	350	251 lb/in	TF010
21	135	415	385	447 lb/in	TF011
16	119	400	300	200 lb/in	TF014-DS
16	119	400	290	200 lb/in	TF014-PS
16	119	450	300	*240 lb/in	TF015-DS
16	119	450	290	*240 lb/in	TF015-PS
16	119	400	315	240 lb/in	TF018-DS
16	119	400	305	240 lb/in	TF018-PS
19	135	415	360	315 lb/in	TF019
18	120	400	345	297-435 lb	TF023V-DS
18	120	400	335	297-435 lb	TF023V-PS
18	120	450	355	297-447 lb	TF027V-DS
18	120	450	345	297-447 lb	TF027V-PS
16	120	400	295	220 lb/in	TF036-DS
16	120	400	275	220 lb/in	TF036-PS
16.6	120	400	290	225-308 lb/in	TF037V-DS
16.6	120	400	280	225-308 lb/in	TF037V-PS
19	135	415	330	319 lb/in	TF038-DS
19	135	415	320	319 lb/in	TF038-PS