Springs

To determine the correct IKON spring, first take the “S” measurement of the applicable shock absorber (see drawing). Add 10 to 30 mm to this length for the correct spring length (Lo).
The solid height of the spring (Lbl) should always be smaller than the smallest length between the spring seats when the shock absorber is in full bump position and with the lower spring seat on maximum adjustment.

So, as a guide: Lbl < S - damper stroke - 35.
Lbl = minimum spring length (solid height).
S = length in-between the spring seats.
Lo = free length of the spring.
C = spring rate in N/mm (=kg/cm) and lbs/inch.
Di = Inside diameter.
d = wire diameter.

NB: All IKON spring seats are of the heavy duty

Part Number	Lo	Di	D	TC In N/mm	C In lb/in	Lbl	Code No	Colour Code (no longer used)
LINEAR SPRINGS								
220-11	220	39	6	12	62	84	84	white-white
225-20	225	41	7	20	112	91	132	red-white
PROGRESSIVE SPRINGS								
190-9/13 ‡	190	42		9-13	50-72		612	
190-15/21	190	42	6.8	15-21	84-118	68	229	yellow-blue
190-28/56	190	42	8.3	28-56	156-313	105	605	-
205-15/22/28	205	42	7	15-28	84-157	81	214	blue-blue-yellow
205-17/24/31	205	42	7.3	17-31	95-174	84	231	green-green-yellow
205-17/24/31R(ed)	205	42	7.3	17-31	95-174	84	546	
220-15/21/26	220	42					624	
220-18/25/33	220	42	7.75	18-33	100-185	100	615	

Part Number	Lo	Di	D	TC In N/mm	C In lb/in	Lbl	Code No	Colour Code (no longer used)
220-22/30/39	220	42	8.25	22-39	123-217	110	617	
220-32/41/52	220	42	9	32-52	180-292	117	619	
220-41/47/62	220	42	9.5	41-62	229-345	122	621	
235-9/13/18 ‡	235	42		9-18	50-100		613	
235-11/16/22	235	42	6.8	11-22	62-123	87	249	white-yellow-blue
235-15/21/26	235	42	7.3	15-26	84-146	91	230	red-blue
235-15/21/26R(ed)	235	42	7.3	15-26	84-146	91	545	
235-18/25/33	235	42	7.5	18-33	100-185	94	204	blue-blue-red
235-18/25/33R(ed)	235	42	7.5	18-33	100-185	94	544	-
235-22/30/39	235	42	8	22-39	123-218	108	217	blue-blue-green
235-26/34/43	235	42		26-43	143-237		607	-
235-32/41/52 †	235	42	9	32-52	180-292	120	515	-
235-41/47/62 †	235	42	9.5	41-62	229-345		606	-
250-15/21/28	250	42	7.5	15-28	84-157	110	215	white-white-red
250-19/29/42	250	42	8	19-42	106-235	116	222	white-blue
250-19/29/42R	250	42	8	19-42	106-235	116	614	
255-18/25/33	255	42	7.8	18-34	100-185	110	213	blue-blue-white
255-18/25/33R(ed)	255	42	7.8	18-34	100-185	110	610	-
PROGRESSIVE CHROMED SPRINGS								
190-15/21CH	190	42	6.8	15-21	84-118		603	-

Part Number	Lo	Di	D	TC In N/mm	C In lb/in	Lbl	Code No	Colour Code (no longer used)
190-28/56CH †	190	42	8.3	28-56	156-313	105	524	-
205-15/22/28CH	205	42	7	15-28	95-174	84	604	-
205-17/24/31CH	205	42	7.3	17-31	95-174	84	466	-
220-15/21/26CH	220	42					625	
220-18/25/33CH	220	42	7.75	18-33	100-185	100	616	
220-22/30/39CH	220	42	8.25	22-39	123-217	110	618	
220-32/41/52CH	220	42	9	32-52	180-292	117	620	
220-41/47/62CH	220	42	9.5	41-62	229-345	122	622	
235-15/21/26CH	235	42	7.3	15-26	84-146		600	-
235-18/25/33CH	235	42	7.5	18-33	100-185	94	439	-
235-22/30/39CH	235	42	8	22-39	123-218	108	514	-
235-26/34/43CH †	235	42		26-43	143-237		608	
235-32/41/52CH †	235	42	9	32-52	180-292	120	489	-
235-41/47/62CH †	235	42		41-62	229-345		611	-
250-15/21/28CH	250	42	7.5	15-28	84-157	110	623	-
250-19/29/42CH	250	42		19-42	106-235		601	-
255-18/25/33CH	255	42		18-34	100-185		602	-
OFF ROAD PROGRESSIVE RATE SPRINGS (GREEN POWDER COATED)								
280-13/25	280	42	8.2	13-25	73-140		904	
280-15/28	280	42	8.2	15-28	95-174		905	

Part Number	Lo	Di	D	TC In N/mm	C In lb/in	Lbl	Code No	Colour Code (no longer used)
280-18/29	280	42	8.2	18-29	100-175		903	
280-20/33	280	42	8.2	20-33	112-185		902	
280-22/38	280	42	8.2	22-38	123-218		901	

† = use ONLY with heavy duty spring seat (part no. 70 29 01 242 0 or 70 29 01 241 0)

‡ = Not barrelled OD