



# BK

 Exceptional loads**BLACK SPRINGS**

$L_0$		D	d	R	s-max	F-max	Nr
Free length mm	Ctlg. No.	Housing ø mm	Rod ø mm	Rate N/mm	Stroke mm	Load N	Springs per box
<b>BK10</b>							
20	<b>BK10020</b>	10	5	580	2,2	1250	50
30	<b>BK10030</b>	10	5	360	3,5	1250	50
40	<b>BK10040</b>	10	5	260	4,8	1250	25
50	<b>BK10050</b>	10	5	200	6,0	1250	25
<b>BK13</b>							
20	<b>BK13020</b>	12,5	6,3	850	2,4	2000	50
30	<b>BK13030</b>	12,5	6,3	590	3,3	2000	50
40	<b>BK13040</b>	12,5	6,3	400	5,0	2000	25
50	<b>BK13050</b>	12,5	6,3	320	6,0	2000	25
<b>BK16</b>							
20	<b>BK16020</b>	16	8	1650	2,1	3500	32
35	<b>BK16035</b>	16	8	920	3,8	3500	32
50	<b>BK16050</b>	16	8	580	6,0	3500	24
75	<b>BK16075</b>	16	8	410	8,5	3500	16
100	<b>BK16100</b>	16	8	280	12,5	3500	16
<b>BK19</b>							
25	<b>BK19025</b>	19	10	2270	2,2	5000	32
40	<b>BK19040</b>	19	10	1160	4,3	5000	32
50	<b>BK19050</b>	19	10	830	6,0	5000	24
75	<b>BK19075</b>	19	10	500	10,0	5000	16
100	<b>BK19100</b>	19	10	360	14,0	5000	16
<b>BK25</b>							
30	<b>BK25030</b>	25	12,5	4550	2,2	10000	15
50	<b>BK25050</b>	25	12,5	2000	5,0	10000	12
60	<b>BK25060</b>	25	12,5	1500	6,5	10000	10
75	<b>BK25075</b>	25	12,5	1250	8,0	10000	10
100	<b>BK25100</b>	25	12,5	900	11,1	10000	6
125	<b>BK25125</b>	25	12,5	710	14,0	10000	6
<b>BK32</b>							
35	<b>BK32035</b>	32	16	5360	2,8	15000	16
50	<b>BK32050</b>	32	16	3000	5,0	15000	12
75	<b>BK32075</b>	32	16	1670	9,0	15000	8
100	<b>BK32100</b>	32	16	1200	12,5	15000	5
125	<b>BK32125</b>	32	16	940	16,0	15000	5
150	<b>BK32150</b>	32	16	810	18,5	15000	4

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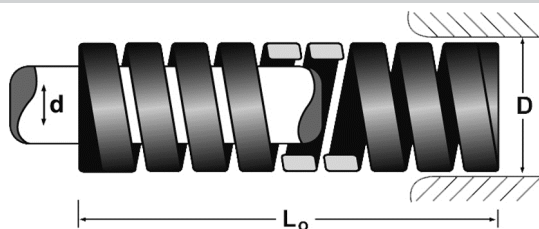
COMPANY WITH  
MANAGEMENT SYSTEM  
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**BK**

Exceptional loads

$L_0$		<b>D</b>	<b>d</b>	<b>R</b>	<b>s-max</b>	<b>F-max</b>	<b>Nr</b>
Free length mm	Ctlg. No.	Housing ø mm	Rod ø mm	Rate N/mm	Stroke mm	Load N	Springs per box
<b>BK38</b>							
40	<b>BK38040</b>	38	20	5710	3,5	20000	10
50	<b>BK38050</b>	38	20	4000	5,0	20000	6
75	<b>BK38075</b>	38	20	2220	9,0	20000	4
100	<b>BK38100</b>	38	20	1540	13,0	20000	4
150	<b>BK38150</b>	38	20	1050	19,0	20000	2
200	<b>BK38200</b>	38	20	740	27,0	20000	2
<b>BK50</b>							
60	<b>BK50060</b>	50	25	4605	7,6	35000	6
75	<b>BK50075</b>	50	25	3932	8,9	35000	4
100	<b>BK50100</b>	50	25	2650	13,2	35000	4
125	<b>BK50125</b>	50	25	2000	17,5	35000	2
150	<b>BK50150</b>	50	25	1605	21,8	35000	2
200	<b>BK50200</b>	50	25	1167	30,0	35000	2

**L<sub>0</sub>** Free length (mm)**D** Housing ø (mm)**d** Rod ø (mm)**R** Load, in Newton (N), necessary to deflect the spring by mm 1  
(1N = 0,102 Kg, 1 Kg = 9,81 N)**s-max** Maximum permitted deflection**F-max** Load obtained at the maximum deflection**Tolerances****Rate:** ± 10%**Free length:** ± 0,5%, with 0,2 mm minimum**Diameters:** the outside diameter of the spring is always lower than the **D** in the catalogue and the inside diameter is always greater than the **d** in the catalogue**CAUTION: NEVER EXCEED s-max (strokes above s-amx may cause serious damages)**Guide the springs, especially if  $L_0/D > 3$ **MOLLIFICIO BORDIGNON srl**Via Antonio Meucci, 27  
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