

Carbon-Carbon Springs

At CFC DESIGN, we specialize in providing high-quality, reliable springs engineered for superior performance. Whether you require the classic resilience of a coil spring or the unique profile of a Z-spring, our catalog is designed to meet the strictest technical demands. This guide will help you compare our available models to find the perfect fit for your project.



CFC Standard Springs

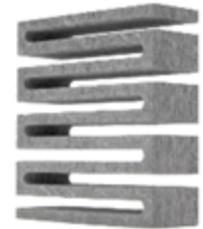
We offer four distinct models, each available as either a coil spring or a Z-spring to provide maximum flexibility for your design needs.

Material data of TYPE-A Spring

Spring Type	Coil - compression	
System of Units	mm	Inch
OD	31 mm	1.22"
ID	19 mm	.75"
Length	40 mm	1.58"
Spring Constant Rate	19.6 N/mm	112 lbf/inch
Max Compress Allowance	7 mm	.28"



Spring Type	Z - compression	
System of Units	mm	Inch
Width	36 mm	1.42"
Thickness	13 mm	.51"
Length	40 mm	1.57"
Spring Constant Rate	19.6 N/mm	112 lbf/inch
Max Compress Allowance	7 mm	.28"

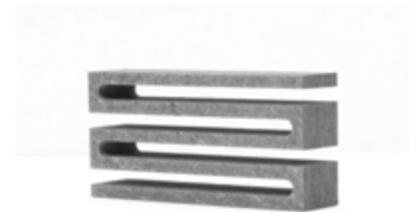


Material data of TYPE-B Spring

Spring Type	Coil - compression	
System of Units	mm	Inch
OD	50 mm	1.97"
ID	20 mm	.79"
Length	25 mm	.98"
Spring Cosntant Rate	19.6 N/mm	112 lbf/inch
Max Compress Allowance	5 mm	.20"



Spring Type	Z - compression	
System of Units	mm	Inch
Width	50 mm	1.97"
Thickness	12 mm	.47"
Length	25 mm	.98"
Spring Cosntant Rate	19.6 N/mm	112 lbf/inch
Max Compress Allowance	5 mm	.20"



Material data of TYPE-C Spring

Spring Type	Coil - compression	
System of Units	mm	Inch
OD	50 mm	1.97"
ID	30 mm	1.18"
Length	27.5 mm	1.08"
Spring Constant Rate	24.5 N/mm	140 lbf/inch
Max Compress Allowance	5 mm	.28"



Spring Type	Z - compression	
System of Units	mm	Inch
Width	50 mm	1.97"
Thickness	13.5 mm	.53"
Length	27.5 mm	1.08"
Spring Constant Rate	24.5 N/mm	140 lbf/inch
Max Compress Allowance	5 mm	.20"



Material data of TYPE-D Spring

Spring Type	Coil - compression	
System of Units	mm	Inch
OD	50 mm	1.97"
ID	20 mm	.79"
Length	40 mm	1.57"
Spring Cosntant Rate	34.4 N/mm	196 lbf/inch
Max Compress Allowance	7 mm	.28"



Spring Type	Z - compression	
System of Units	mm	Inch
Width	50 mm	1.97"
Thickness	20 mm	.79"
Length	40 mm	1.57"
Spring Cosntant Rate	34.4 N/mm	196 lbf/inch
Max Compress Allowance	7 mm	.28"



Usage and Performance Guidelines

To ensure optimum performance and longevity of your CFC DESIGN springs, please adhere to the following:

- **Initial Use:** Please be aware that the spring's natural length may be slightly shorter after its first compression cycle.
- **Maximum Load:** To prevent permanent deformation, do not use the spring beyond its maximum shrinkage allowance.

Custom Spring Type & Design

We offer a variety of custom-designed springs, such as Z-springs, leaf springs, and C/C clip springs. For further design details, please contact us.



Have Questions or Ready to Order?

Our engineering team is ready to help you select the perfect spring for your needs.

- **Visit our Website:** www.acrosscc.com
- **Call Us Today:** (310) 635 3555
- **Email for a Quote:** info@acrosscc.com