

Compression Spring ▶ Stainless Steel Type with Inner Diameter as Reference



Please order according to the diagram

①~③ Select the type and parameters in the order of for ordering.

Model (●Code)

BYNUF

— ●D

D5

— ●L

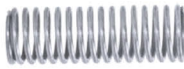
L30



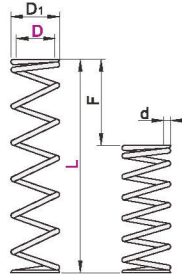
Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/mm)



CAD 2D 3D



Code	Type	Material		Allowable Displacement	Tolerance of Spring Constant
		International	Equivalent		
BYNUF	Stainless Steel Type with Inner Diameter as Reference	Standard Type	0Cr18Ni9 SUS304-WPB	L×45% L×60%	±10%

■ D Dimension Tolerance ■ L Dimension Tolerance

D	L
8 or higher	50 or higher
10 Below	60 Below
+0.6 +0.1 +0.8 +0.1	±1 ±2

■ Features: Round wire coil spring with inner diameter as the reference.

When the inner diameters are the same, the load remains constant.

① The compressed length is a reference value and may vary due to different production batches.

② Usage Life: 1 million cycles.

③ BYNUF For L specifications with (), both ends are not ground or polished.

④ BYWUR Both ends are not ground or polished.

■ Allowable Displacement Fmax=L x 45%

Code	Model	D1	d	Compressed Length	Fmax	Allowable Load Nmax	Spring Constant N/mm
BYNUF	5	(15)*	6.0	0.50	4.3	6.8	3.33
		(20)*	9.0		4.41	9.0	4.41
		25*	11.3	5.49		11.3	5.49
		30	13.5	6.57		13.5	6.57
		35	15.8	7.64		15.8	7.64
		40	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
		50	22.5	10.98		22.5	10.98
		15*	6.8	3.33		6.8	3.33
		20*	9.0	4.41		9.0	4.41
		25*	11.3	5.49		11.3	5.49
		30*	13.5	6.57		13.5	6.57
	6	35	15.8	7.64		15.8	7.64
		40	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
		50	22.5	10.98		22.5	10.98
		55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
		20*	9.0	4.41		9.0	4.41
		25*	11.3	5.49		11.3	5.49
		30*	13.5	6.57		13.5	6.57
		35	15.8	7.64		15.8	7.64
		40	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
	8	50	22.5	10.98		22.5	10.98
		55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
		65	29.3	14.31		29.3	14.31
		70	31.5	15.39		31.5	15.39
		80	36.0	17.64		36.0	17.64
		20*	9.0	4.41		9.0	4.41
		25*	11.3	5.49		11.3	5.49
		30*	13.5	6.57		13.5	6.57
		35	15.8	7.64		15.8	7.64
		40*	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
	10	50	22.5	10.98		22.5	10.98
		55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
		65	29.3	14.31		29.3	14.31
		70	31.5	15.39		31.5	15.39
		80	36.0	17.64		36.0	17.64
		25*	11.3	5.49		11.3	5.49
		30*	13.5	6.57		13.5	6.57
		35	15.8	7.64		15.8	7.64
		40*	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
		50	22.5	10.98		22.5	10.98
	12	55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
		65	29.3	14.31		29.3	14.31
		70	31.5	15.39		31.5	15.39
		80	36.0	17.64		36.0	17.64
		90	40.5	19.80		40.5	19.80
		35	15.8	7.64		15.8	7.64
		40	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
		50	22.5	10.98		22.5	10.98
		55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
	16	65	29.3	14.31		29.3	14.31
		70	31.5	15.39		31.5	15.39
		80	36.0	17.64		36.0	17.64
		90	40.5	19.80		40.5	19.80
		100	45.0	22.05		45.0	22.05
		40	18.0	8.82		18.0	8.82
		45	20.3	9.90		20.3	9.90
		50	22.5	10.98		22.5	10.98
		55	24.8	12.05		24.8	12.05
		60	27.0	13.23		27.0	13.23
		65	29.3	14.31		29.3	14.31
		70	31.5	15.39		31.5	15.39

■ Allowable Displacement Fmax=L x 60%

Code	Model	D1	d	Compressed Length	Fmax	Allowable Load Nmax	Spring Constant N/mm
BYWUR	5	15*	5.9	0.45	5.0	9	2.65
		20*	12		3.53	12	3.53
		25*	15	4.41		15	4.41
		30*	18	5.29		18	5.29
		35	21	6.17		21	6.17
		40	24	7.06		24	7.06
		45	27	7.94		27	7.94
		50	30	8.82		30	8.82
		15*	7.0	0.50	5.0	9	2.65
		20*	12		3.53	12	3.53
		25*	15	4.41		15	4.41
		30*	18	5.29		18	5.29
	6	35*	21	6.17		21	6.17
		40*	24	7.06		24	7.06
		45	27	7.94		27	7.94
		50	30	8.82		30	8.82
		55	33	9.70		33	9.70
		60	36	10.58		36	10.58
		20*	9.3	0.65	6.8	12	3.53
		25*	15	4.41		15	4.41
		30*	18	5.29		18	5.29
		35*	21	6.17		21	6.17
		40*	24	7.06		24	7.06
		45	27	7.94		27	7.94
	8	50	30	8.82		30	8.82
		55	33	9.70		33	9.70
		60	36	10.58		36	10.58
		65	39	11.47		39	11.47
		70	42	12.36		42	12.36
		80	48	14.12		48	14.12
		20*	11.4	0.70	5.6	12	3.53
		25*	11.5	0.75	7.5	15	4.41
		30*	18	5.29		18	5.29
		35*	21	6.17		21	6.17
		40*	24	7.06		24	7.06
		45	27	7.94		27	7.94
	10	50	30	8.82		30	8.82
		55	33	9.70		33	9.70
		60	36	10.58		36	10.58
		65	39	11.47		39	11.47
		70	42	12.36		42	12.36
		80	48	14.12		48	14.12
		20*	11.4	0.70	5.6	12	3.53
		25*	11.5	0.75	7.5	15	4.41
		30*	18	5.29		18	5.29
		35*	21	6.17		21	6.17
		40*	24	7.06		24	7.06
		45	27	7.94		27	7.94
	12	50	30	8.82		30	8.82
		55	33	9.70		33	9.70
		60	36	10.58		36	10.58
		65	39	11.47		39	11.47
		70	42	12.36		42	12.36
		80	48	14.12		48	14.12
		25*	13.6	0.80	7.2	15	4.41
		30	18	5.29		18	5.29
		35*	21	6.17		21	6.17
		40	24	7.06		24	7.06
		45	27	7.94		27	7.94
		50	30	8.82		30	8.82
	16	55	33	9.70		33	9.70
		60	36	10.58		36	10.58
		65	39	11.47		39	11.47
		70	42	12.36		42	12.36
		80	48	14.12		48	14.12
		90	54	15.88		54	15.88
		35*	21	6.17		21	6.17
		40*	24	7.06		24	7.06
		45	27	7.94		27	7.94
		50	30	8.82		30	8.82
		55	33	9.70		33	9.70
		60	36	10.58		36	10.58

① Allowable Displacement Fmax: Indicates the maximum length the spring is allowed to compress. Using the spring beyond this compression limit will result in shortened spring life.

② Allowable Load Nmax: Denotes the load in Newtons (N) that corresponds to compressing the spring to Fmax.

③ Spring Constant N/mm=(Nmax)/(Fmax).