Round Wire Springs — Outer Diameter Selectable, Stainless Steel

Code	Type	Material		Maximum Allowable Deflection	Spring Constant Tolerance
		GB	Equiv.		
YUM	Outer Diameter Selectable	0Cr18Ni9	SUS304-WPB	L×(28~35)%	±10%
YUH				L×(20~30)%	

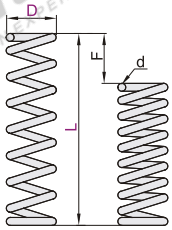
D Tol.

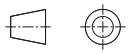
D	Tol.
10 or Less	$^{0}_{-0.5}$
12 or More	$^{0}_{-0.8}$

L Tol.

L	Tol.
50 or Less	±1.5
55 or More	±2.5

- The solid height values are for reference only. There may be some variation between lots.
- Usage Count:1 Million Times.
- ( ) Both ends of the size are not grounded.
- Due to the structural upgrade and improvement of this series of products,the product size has changed slightly.During the alternation of new and old models,there may be different models of products at the time of shipment,which will not affect the use.
- This series is an outer diameter reference spring,which is produced to ensure the outer diameter tolerance.The outer diameter is a negative tolerance and suitable for use with holes.The inner diameter is only for reference (according to the negative tolerance).Please pay attention to it when selecting.





The first perspective

YUM Fmax.(Maximum Allowable Deflection)=L×(28~35)%

Part Number			d	Solid Height	Fmax	Load N max.	Spring Constant N/mm
Code	D	L					
YUM	4	(5)	0.4	2.2	1.75	3.4	1.94
		(10)	0.5	4.9	3.5	6.8	
		15	0.55	7.5	5.25	10.3	1.96
		20	0.6	11.1	7	13.7	
		25			8.75	17.2	1.97
		30	0.65	16.3	10.5	20.6	1.96
	5	(5)	0.45	2.25	1.75	3.4	1.94
		(10)	0.5	3.13	3.5	6.8	
		15	0.65	8.45	5.25	10.3	1.96
		20			7	13.7	
		25	0.7	11.9	8.75	17.2	1.97
		30	0.75	17.83	10.5	20.6	
		35	0.75	16.5	12.25	24	
		40	0.8	23.2	14	27.5	1.96
		45			15.75	30.9	
		50	0.85	31.45	17.5	34.3	
	6	(5)	0.55	2.7	1.7	4.9	2.88
		10	0.7	5.6	3.5	10.8	3.09
		15	0.75	7.4	5.2	15.7	3.02
		20	0.8	9.6	7	20.6	2.94
		25	0.85	12.8	8.7	25.5	2.93
		30			10.5	31.4	2.99
		35	0.9	16.7	12.2	36.3	2.98
		40		16.8	14	41.2	2.94
		45		27.8	15.8	46.1	2.92
		50	1.0	28.0	17.5	52	2.97
		60			18	53	2.94
		70	1.1	46.2	20	58.8	
	8	10	0.85	6.4	3.5	10.8	3.09
		15	0.9	7.9	5.2	15.7	3.02
		20			7	20.6	2.94
		25	1.0	12.0	8.7	25.5	2.93
		30	1.1	18.25	10.5	31.4	2.99
		35	1.1	18.3	12.2	36.3	2.98
		40			14	41.2	2.94
		45	1.1	18.7	15.8	46.7	2.96
		50			17.5	52	2.97
		60	1.2	28.2	21	61.8	2.94
		70	1.3	42.0	24.5	72.6	2.96

YUM Fmax.(Maximum Allowable Deflection)=L×(28~35)%

Part Number			d	Solid Height	Fmax	Load N max.	Spring Constant N/mm
Code	D	L					
YUM	10	10	0.9	5.2	3.5	10.8	3.09
		15	1.0	7.3	5.2	15.7	3.02
		20			7	20.6	2.94
		25	1.1	10.5	8.7	25.5	2.93
		30			10.5	31.4	2.99
		35	1.2	15	12.2	36.3	2.98
		40	1.3	21.03	14	41.2	2.94
		45	1.3	21.8	15.8	46.1	2.92
		50			17.5	52	2.97
		60	1.4	30.8	21	61.8	2.94
		70			24.5	72.6	2.96
	13	15	1.2	8.4	5.2	15.7	3.02
		20	1.3	11.1	7	20.6	2.94
		25			8.7	25.5	2.93
		30			10.5	31.4	2.99
		35	1.4	15.1	12.2	36.3	2.98
		40			14	41.2	2.94
		45			15.8	46.1	2.92
		50		26.4	17.5	52	2.97
		60	1.6	27.2	21	61.8	2.94
		70			24.5	72.6	2.96
		80	1.7	36.2	28	82.4	2.94
	16	15	1.4	9.6	5.2	15.7	3.02
		20			7	20.6	2.94
		25	1.5	12.4	8.7	25.5	2.93
		30			10.5	31.4	2.99
		35	1.6	15.6	12.2	36.3	2.98
		40			14	41.2	2.94
		45	1.7	20.4	15.8	46.1	2.92
		50			17.5	52	2.97
		60			21	61.8	2.94
		70	1.8	26.1	24.5	72.6	2.96
		80			28	82.4	2.94
	20	20	1.8	11.3	7	34.3	4.90
		25	1.9	13.3	8.8	43.1	
		30			10.5	52	4.95
		35	2	16	12.3	59.8	4.86
		40			14	68.6	4.90
		45	2.2	23.7	15.8	77.5	4.91
		50			17.5	86.3	4.93
		60	2.3	27.6	21	103	4.90
		70	2.4	34.8	24.5	120.6	4.92
		80			28	137.3	4.90

YUH Fmax.(Maximum Allowable Deflection)= L×(20~30)%

Part Number Code	D	L	d	Solid Height	Fmax	Load N max.	Spring Constant N/mm
YUH	4	(5)	0.45	2.7	1.5	4.4	2.93
		(10)	0.5	3.8	3	8.8	
		15	0.6	8.1	4.5	13.2	
		20	0.65	11.7	6	17.6	
		25	0.7	16.8	7.5	22.1	2.95
		30			9	26.5	2.94
	5	(5)	0.55	3.3	1.5	4.4	2.93
		10	0.6	4.65	3	8.8	
		15	0.65	6.5	4.5	13.2	
		20	0.75	11.81	6	17.6	
		25			7.5	22.1	2.95
		30	0.8	16	9	26.5	
		35	0.85	21.68	10.5	30.9	2.94
		40			12	35.3	
		45	0.9	28.8	13.5	39.7	
	6	(5)	0.65	3.2	1.5	8.8	5.87
		10	0.75	4.3	3	17.7	5.90
		15	0.85	7.7	4.5	26.5	5.89
		20	0.9	9.7	6	35.3	5.88
		25	1.0	15.5	7.5	44.1	
		30			9	53	5.89
		35			9.8	57.9	5.91
		40	1.1	24.8	10	58.8	5.88
		45			11.3	66.7	5.90
		50			10	58.8	5.88
		60	1.2	39.0	14	82.4	5.89
		70			15	88.3	
	8	10	0.9	5.3	3	17.7	5.90
		15	1	7	4.5	26.5	5.89
		20	1.1	11	6	35.3	5.88
		25		15	7.5	44.1	
		30	1.2	16.8	9	53	5.89
		35		15.9	10.5	61.8	
		40	1.3	23.1	12	70.6	5.88
		45			13.5	79.4	
		50	1.4	33.3	15	88.3	5.89
		60			18	105.9	5.88
		70	1.5	48.0	19	111.8	
	10	10	1.1	6.9	3	17.7	5.90
		15			4.5	26.5	5.89
		20	1.2	9.3	6	35.3	5.88
		25		17.29	7.5	44.1	
		30	1.4	16.8	9	53	5.89
		35		17.5	10.5	61.8	
		40	1.5	23.24	12	70.6	5.88
		45	1.5	23.8	13.5	79.4	
		50			15	88.3	5.89
		60	1.6	32.4	18	105.9	5.88
		70	1.7	44.2	21	123.6	5.89
	13	15	1.5	9.2	4.5	44.1	
		20	1.6	10.03	6	58.8	9.80
		25		16. 2	7.5	73.5	
		30			9	88.3	
		35	1.8	18	10.5	103	
		40			12	117.7	9.81
		45			13.5	132.4	
		50	2.0	28.5	15	147.1	
		60	2.1	36	18	176.5	
		70	2.2	45.1	21	205.9	9.80
		80			20	196.1	9.81

! ( ) Both ends of the size are not grounded.

YUH Fmax.(Maximum Allowable Deflection)= L×(20~30)%

Part Number Code	D	L	d	Solid Height	Fmax	Load N max.	Spring Constant N/mm
YUH	16	15	1.7	9.6	4.6	44.1	9.59
		20	1.9	14	6	58.8	9.80
		25			7.5	73.5	
		30			9	88.3	
		35	2	15	10.5	103	9.81
		40	2.2	25.1	12	117.7	
		45			13.5	132.4	
		50			15	147.1	
		60	2.3	30.5	18	176.5	
	20	70	2.5	44.7	21	205.9	9.80
		80			24	235.4	9.81
		25	2.3	13.8	7.5	110.8	14.77
		30	2.6	19.5	9	132.4	14.71
		35	2.5	18.8	10.5	154.9	14.75
		40	2.6	19.5	12	176.5	14.71
		45	2.8	29.4	13.5	199.1	14.75
		50			15	220.6	
		60	3	40.5	18	264.8	14.71
		70			21	308.9	
		80	3.2	54.4	24	353	

! Allowable deflection Fmax: It indicates the maximum length of the Allowable Deflection of the spring. If the Allowable Deflection is exceeded, the spring will shorten.

! Max. load (Nmax) : allowable load of deflection Fmax, unit : N.

! Spring Constant N/mm=(Nmax)/(Fmax).

Please order as shown

YUH

Part Number Code	D	L	d
YUH	4	5	0.45
		10	0.5
		15	0.6

YUH—D4—L5

Discount price

Per	1~3	4~
Price	100%	Additional quotation

Delivery 2