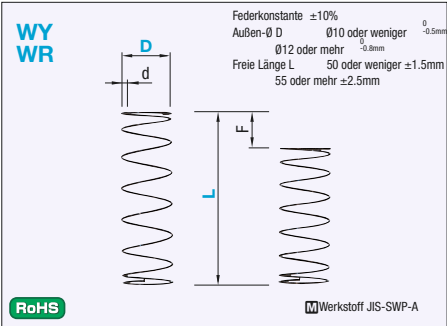


Runde Schraubenfedern

WY, WR: Außen-Ø referenziert



Ordering
Example
Teilenummer
WY13-60

Federkonstante D12 und 14 für Ausführung WY und D12, 14 und 20 für Ausführung WT nicht möglich.

Ausführung	WY	WR	WF	WL	WT	WM	WH	WB
D				0.5{0.05}				
2								3.9{0.4}
3								4.9{0.5}
4								
5								
6								
8								
10								
12								
13								
14								
16								
18								
20								
22								
27								
Fmax.	F=L×75%	F=L×60%	F=L×45%	F=L×40%	F=L×40%	F=L×35%	F=L×30%	F=L×25%

WR: Fmax. (Zulässige Auslenkung) = Lx60%

d	Feste Länge	F max.	Max. Last N (kgf)	Teilenummer Ausführung D-L	Stückpreis 10 - 19 Stk.
0.23	1.8	3	0.9{0.09}	WR3- 5	
0.25	2.3	6	1.8{0.18}	10	
0.3	4.8	9	2.6{0.27}	15	
0.3	4.8	12	3.5{0.36}	20	
0.32	6.8	15	4.4{0.45}	25	
0.32	6.8	18	5.3{0.54}	30	
0.35	11.5	21	6.2{0.63}	35	
0.35	11.5	24	7.1{0.72}	40	
0.26	1.6	3	0.9{0.09}	WR4- 5	
0.29	2.2	6	1.8{0.18}	10	
0.32	3.2	9	2.6{0.27}	15	
0.38	6.5	12	3.5{0.36}	20	
0.38	6.5	15	4.4{0.45}	25	
0.4	8.4	18	5.3{0.54}	30	
0.4	8.4	21	6.2{0.63}	35	
0.45	15	24	7.1{0.72}	40	
0.45	15	27	7.9{0.81}	45	
0.45	15	30	8.8{0.9}	50	
0.45	15	33	9.7{0.99}	55	
0.5	23.5	36	10.6{1.08}	60	
0.5	25	39	11.5{1.17}	65	
0.5	25	42	12.4{1.26}	70	
0.3	1.6	3	0.9{0.09}	WR5- 5	
0.35	2.8	6	1.8{0.18}	10	
0.35	2.8	9	2.6{0.27}	15	
0.4	4.8	12	3.5{0.36}	20	
0.45	8	15	4.4{0.45}	25	
0.45	8	18	5.3{0.54}	30	
0.5	12.5	21	6.2{0.63}	35	
0.5	12.5	24	7.1{0.72}	40	
0.55	17.6	27	7.9{0.81}	45	
0.55	18	30	8.8{0.9}	50	
0.55	20	33	9.7{0.99}	55	
0.55	20	36	10.6{1.08}	60	
0.55	20.9	39	11.5{1.2}	65	
0.55	20.9	42	12.4{1.3}	70	
0.32	1.6	3	0.9{0.09}	WR6- 5	
0.4	3.2	6	1.8{0.18}	10	
0.4	3.2	9	2.6{0.27}	15	
0.5	7.5	12	3.5{0.36}	20	
0.5	7.5	15	4.4{0.45}	25	
0.5	7.5	18	5.3{0.54}	30	
0.55	11.5	21	6.2{0.63}	35	
0.55	11.5	24	7.1{0.72}	40	
0.6	17.4	27	7.9{0.81}	45	
0.6	17.4	30	8.8{0.9}	50	
0.6	17.4	33	9.7{0.99}	55	
0.6	17.4	36	10.6{1.08}	60	
0.6	17.4	39	11.5{1.17}	65	
0.6	17.4	42	12.4{1.26}	70	
0.65	27.3	48	14.1{1.4}	80	
0.45	2.7	6	1.8{0.18}	WR8- 10	
0.5	4	9	2.6{0.27}	15	
0.5	4	12	3.5{0.36}	20	
0.55	5.8	15	4.4{0.45}	25	
0.6	8.4	18	5.3{0.54}	30	
0.6	8.4	21	6.2{0.63}	35	
0.6	8.4	24	7.1{0.72}	40	
0.7	16	27	7.9{0.81}	45	
0.7	16	30	8.8{0.9}	50	
0.7	16	33	9.7{0.99}	55	
0.7	16	36	10.6{1.08}	60	
0.7	16	39	11.5{1.17}	65	
0.7	16	42	12.4{1.26}	70	
0.75	22.9	48	14.1{1.4}	80	

d	Feste Länge	F max.	Max. Last N (kgf)	Teilenummer Ausführung D-L	Stückpreis 10 - 19 Stk.
0.55	3.6	6	1.8{0.18}	WR10- 10	
0.6	4.8	9	2.6{0.27}	15	
0.65	6.5	12	3.5{0.36}	20	
0.65	6.5	15	4.4{0.45}	25	
0.7	8.8	18	5.3{0.54}	30	
0.7	8.8	21	6.2{0.63}	35	
0.7	8.8	24	7.1{0.72}	40	
0.8	16	27	7.9{0.81}	45	
0.8	16	30	8.8{0.9}	50	
0.8	16	33	9.7{0.99}	55	
0.85	21	36	10.6{1.08}	60	
0.85	21	39	11.5{1.17}	65	
0.85	21	42	12.4{1.26}	70	
0.9	28.8	48	14.1{1.4}	80	
0.6	3.6	6	1.8{0.18}	WR12- 10	
0.65	4.6	9	2.6{0.27}	15	
0.65	4.6	12	3.5{0.36}	20	
0.7	6	15	4.4{0.45}	25	
0.7	6	18	5.3{0.54}	30	
0.7	6	21	6.2{0.63}	35	
0.8	10.4	24	7.1{0.72}	40	
0.8	10.4	27	7.9{0.81}	45	
0.9	17.1	30	8.8{0.9}	50	
0.9	17.1	33	9.7{0.99}	55	
0.9	17.1	36	10.6{1.08}	60	
0.9	17.1	39	11.5{1.17}	65	
0.9	17.1	42	12.4{1.26}	70	
1.0	28	48	14.1{1.4}	80	
0.6	3.2	6	1.8{0.18}	WR13- 10	
0.7	4.9	9	2.6{0.27}	15	
0.7	4.9	12	3.5{0.36}	20	
0.8	8.4	15	4.4{0.45}	25	
0.8	8.4	18	5.3{0.54}	30	
0.8	8.4	21	6.2{0.63}	35	
0.9	13.5	24	7.1{0.72}	40	
0.9	13.5	27	7.9{0.81}	45	
0.9	13.5	30	8.8{0.9}	50	
0.9	13.5	33	9.7{0.99}	55	
1.0	22	36	10.6{1.08}	60	
1.0	22	39	11.5{1.17}	65	
1.0	22	42	12.4{1.26}	70	
1.0	22	48	14.1{1.4}	80	
1.0	22	54	15.9{1.62}	90	
0.7	4.6	9	2.6{0.27}	WR14- 15	
0.75	5.6	12	3.5{0.36}	20	
0.8	7.2	15	4.4{0.45}	25	
0.8	7.2	18	5.3{0.54}	30	
0.8	7.2	21	6.2{0.63}	35	
0.9	11.3	24	7.1{0.72}	40	
0.9	11.3	27	7.9{0.81}	45	
0.9	11.3	30	8.8{0.9}	50	
1.0	18	33	9.7{0.99}	55	
1.0	18	36	10.6{1.08}	60	
1.0	18	39	11.5{1.17}	65	
1.0	18	42	12.4{1.26}	70	
1.1	28.6	48	14.1{1.4}	80	
1.1	28.6	54	15.9{1.62}	90	

• Methode der Traglastberechnung = Federkonstante x Auslenkung
(Intern. Einheit) N=N/mmxFmm
kgf = kgf/mm × Fmm
(kgf = N × 0.101972)

• Beide Enden der Ausführung WR sind nicht geschliffen.
• Die Werte für feste Länge sind nur Referenzwerte. Je nach Charge können diese leicht variieren.
• Gebrauchshäufigkeit: 1 Million Mal
• Artikelübersicht S.327
• Verwendung von Schraubenfedern und Vorsichtsmaßnahmen S.328

WY: Fmax. (Zulässige Auslenkung) = Lx75%

d	Feste Länge	F max.	Max. Last N (kgf)	Teilenummer Ausführung D-L	Stückpreis 10 - 19 Stk.
0.16	1.0	3.75	0.38{0.04}	WY3- 5	
0.2	2.0	7.5	0.75{0.08}	10	
0.23	3.6	11.2	1.12{0.11}	15	
0.23	3.6	15	1.5{0.15}	20	
0.25	5.5	18.7	1.87{0.19}	25	
0.26	6.5	22.5	2.25{0.23}	30	
0.2	1.1	3.75	0.38{0.04}	WY4- 5	
0.23	1.9	7.5	0.7{0.08}	10	
0.23	1.9	11.2	1.1{0.11}	15	
0.25	2.7	15	1.5{0.15}	20	
0.29	5	18.7	1.8{0.19}	25	
0.29	5	22.5	2.2{0.23}	30	
0.32	7.7	26.2	2.6{0.26}	35	
0.32	7.7	30	2.9{0.3}	40	
0.25	1.7	7.5	0.7{0.08}	WY5- 10	
0.25	1.7	11.2	1.1{0.11}	15	
0.3	3.2	15	1.5{0.15}	20	
0.3	3.2	18.7	1.8{0.19}	25	
0.35	6.3	22.5	2.2{0.23}	30	
0.35	6.3	26.2	2.6{0.26}	35	
0.38	9.2	30	2.9{0.3}	40	
0.38	9.2	33.7	3.3{0.34}	45	
0.38	9.2	37.5	3.7{0.38}	50	
0.3	2.1	7.5	0.75{0.08}	WY6- 10	
0.32	2.8	11.2	1.1{0.11}	15	
0.32	2.8	15	1.5{0.15}	20	
0.35	4.1	18.7	1.8{0.19}	25	
0.38	5.6	22.5	2.2{0.23}	30	
0.38	5.6	26.2	2.6{0.26}	35	
0.4	7.2	30	2.9{0.3}	40	
0.4	7.2	33.7	3.3{0.34}	45	
0.4	7.2	37.5	3.7{0.38}	50	
0.45	12.2	41.2	4.0{0.41}	55	
0.45	12.2	45	4.4{0.45}	60	
0.45	12.2	48.7	4.8{0.49}	65	
0.45	12.2	52.5	5.1{0.53}	70	

d	Feste Länge	F max.	Max. Last N (kgf)	Teilenummer Ausführung D-L	Stückpreis 10 - 19 Stk.
0.35	2.1	7.5	0.75{0.08}	WY8- 10	
0.38	3	11.2	1.1{0.11}	15	
0.4	3.5	15	1.5{0.15}	20	
0.4	3.5	18.7	1.8{0.19}	25	
0.45	5.7	22.5	2.2{0.23}	30	
0.45	5.7	26.2	2.6{0.26}	35	
0.45	5.7	30	2.9{0.3}	40	
0.45	5.7	33.7	3.3{0.34}	45	
0.5	9	37.5	3.7{0.38}	50	
0.5	9	41.2	4.0{0.41}	55	
0.5	9	45	4.4{0.45}	60	
0.5	9	48.7	4.8{0.49}	65	
0.5	9	52.5	5.1{0.53}	70	
0.5	3	11.2	2.26{0.23}	WY10- 15	
0.55	4.6	15	2.9{0.3}	20	
0.55	4.6	18.7	3.7{0.37}	25	
0.6	6.6	22.5	4.4{0.45}	30	
0.6	6.6	26.2	5.1{0.52}	35	
0.65	9.1	30	5.9{0.6}	40	
0.65	9.1	33.7	6.6{0.67}	45	
0.65	9.1	37.5	7.4{0.75}	50	
0.7	12.6	41.2	8.1{0.82}	55	
0.7	12.6	45	8.8{0.9}	60	
0.7	12.6	48.7	9.6{0.97}	65	
0.7	12.6	52.5	10.3{1.05}	70	

d	Feste Länge	F max.	Max. Last N (kgf)	Teilenummer Ausführung D-L	Stückpreis 10 - 19 Stk.
0.6	3.9	15	2.9{0.3}	WY13- 20	
0.65	5.1	18.7	3.7{0.37}		
0.65	5.1	22.5	4.4{0.45}		
0.7	6.7	26.2	5.1{0.52}		
0.75	8.7	30	5.9{0.6}		
0.75	8.7	33.7	6.6{0.67}		
0.8	11.6	37.5	7.4{0.75}		
0.8	11.6	41.2	8.1{0.82}		
0.8	11.6	45	8.8{0.9}		
0.85	15.3	48.7	9.6{0.97}		
0.85	15.3	52.5	10.3{1.05}	70	
0.65	3.6	15	2.9{0.3}	WY16- 20	
0.7	4.6	18.7	3.7{0.37}		
0.75	5.7	22.5	4.4{0.45}		
0.8	7	26.2	5.1{0.52}		
0.85	9	30	5.9{0.6}		
0.85	9	33.7	6.6{0.67}		
0.9	11.3	37.5	7.4{0.75}		
0.9	11.3	41.2	8.1{0.82}		
0.9	11.3	45	8.8{0.9}		
0.9	11.3	48.7	9.6{0.97}		
0.9	11.3	52.5	10.3{1.05}	70	