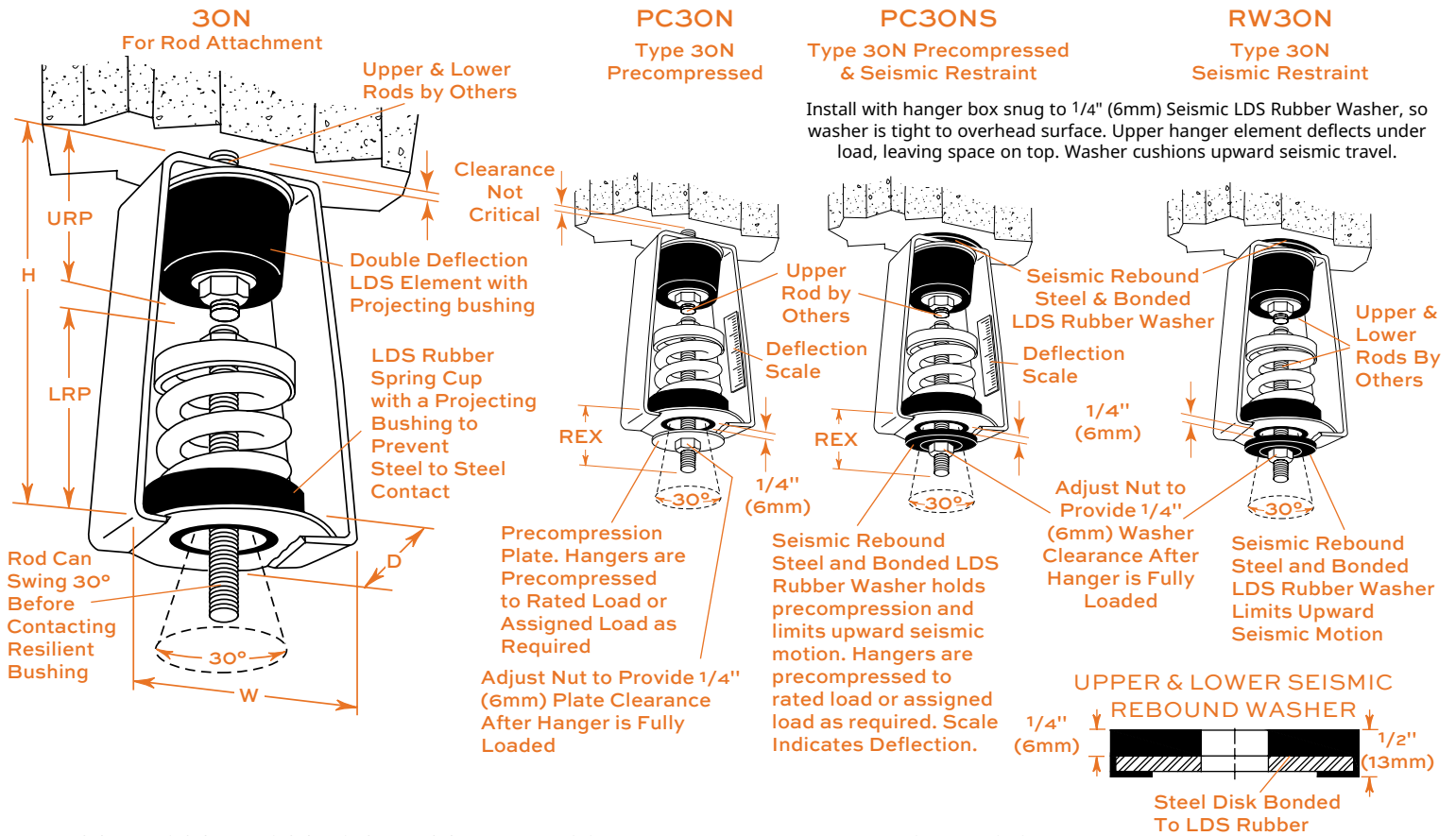


### 30N, PC30N, PC30NS & RW30N

#### 1" (25mm) DEFLECTION 30° SWING – X, A, B, C, D & F SPRING & DOUBLE DEFLECTION LDS HANGERS



#### TYPE 30N, PC30N, PC30NS & RW30N RATINGS

Type	Size	Rated Capacity (lb) (kg)	Rated Defl.* (in) (mm)	Spring Constant †† (lb/in) (kg/mm)	Average Defl. LDS Rubber	Spring Color	Vertical G Ratings Tens. Comp.	
30N-	X-12	12 5	1.45 37	10 0.18	0.20 5	Orange	10.0+ 10.0+	
	X-23	23 10	1.50 38	18 0.30	0.20 5	Brown	10.0+ 10.0+	
	X-33	33 15	1.30 33	30 0.54	0.20 5	Red	10.0+ 10.0+	
	X-54	54 24	1.40 36	45 0.80	0.20 5	White	10.0+ 10.0+	
	X-76	76 34	1.22 31	73 1.36	0.20 5	Black	10.0+ 10.0+	
	X-113	113 51	1.20 30	113 2.04	0.20 5	Yellow	10.0+ 6.7	
	X-130	130 59	1.20 30	130 2.36	0.20 5	Purple	10.0+ 5.8	
	X-175	175 79	1.20 30	175 3.16	0.20 5	Silver	10.0+ 4.3	
	X-210	210 95	1.20 30	210 3.80	0.20 5	Blue	10.0+ 3.6	
	PC30N-	A-12	12 5	1.35 34	12 0.20	0.35 9	Red	10.0+ 10.0+
		A-18	18 8	1.35 34	18 0.32	0.35 9	Gray	10.0+ 10.0+
		A-25	25 11	1.35 34	25 0.44	0.35 9	Orange	10.0+ 10.0+
PC30NS-	A-41	41 19	1.53 39	35 0.63	0.35 9	Pink	10.0+ 10.0+	
	A-56	56 25	1.49 38	49 0.83	0.35 9	Black	10.0+ 10.0+	
RW30N-	A-73	73 33	1.41 36	69 1.22	0.35 9	Tan	10.0+ 10.0+	
	A-95	95 43	1.36 35	94 1.65	0.35 9	Green	10.0+ 10.0+	
	B-138	138 63	1.67 42	105 1.85	0.35 9	White	10.0+ 10.0+	
	B-222	222 101	1.51 38	191 3.48	0.35 9	Blue	10.0+ 7.3	
	B-278	278 126	1.44 37	255 4.50	0.35 9	Purple	10.0+ 5.8	
	B-336	336 152	1.35 34	336 6.08	0.35 9	Silver	10.0+ 4.8	
	B-410	410 186	1.42 36	385 6.89	0.35 9	Black	10.0+ 4.0	
	B-540	540 245	1.35 34	540 9.80	0.35 9	Yellow	10.0+ 3.0	
	C-630	630 286	1.53 39	558 9.86	0.40 10	Gray	10.0+ 3.2	
	C-800	800 363	1.40 36	800 14.5	0.40 10	Orange	10.0+ 2.5	
C-1010	1010 458	1.50 38	920 16.4	0.40 10	Green	10.0+ 2.0		
C-1265	1265 574	1.40 36	1265 23.0	0.40 10	Red	10.0+ 1.6		
D-1575	1575 714	1.63 41	1280 23.0	0.40 10	Pink	10.0+ 6.0		
D-2150	2150 975	1.43 36	2095 37.5	0.40 10	Purple	9.0 4.4		
F-2760	2760 1252	1.40 36	2760 50.1	0.40 10	Silver	5.0 4.3		

#### SPRING ONLY

Size	Spring OD (in) (mm)	Free Height (in) (mm)
X	11/2 38	21/2 64
A-12 - 25	13/4 44	17/8 48
A-41 - 95	13/4 44	21/4 57
B	23/8 60	27/8 73
C	27/8 73	35/8 92
D	33/4 95	47/8 124
F	41/2 114	51/8 130

#### TYPE 30N, PC30N, PC30NS & RW30N DIMENSIONS

Type	Size	D (in) (mm)	H (in) (mm)	W (in) (mm)
30N-	X	21/2 64	51/2 140	27/8 73
	A-12 - 25	23/4 70	63/4 171	31/4 82
C30N-	A-41 - 95	23/4 70	63/4 171	31/4 82
	B	4 102	63/4 171	43/4 121
PC30NS-	C	43/4 121	9 229	51/4 133
	D	43/4 121	121/2 318	53/4 146
RW30N-	F	6 152	141/2 368	61/4 159

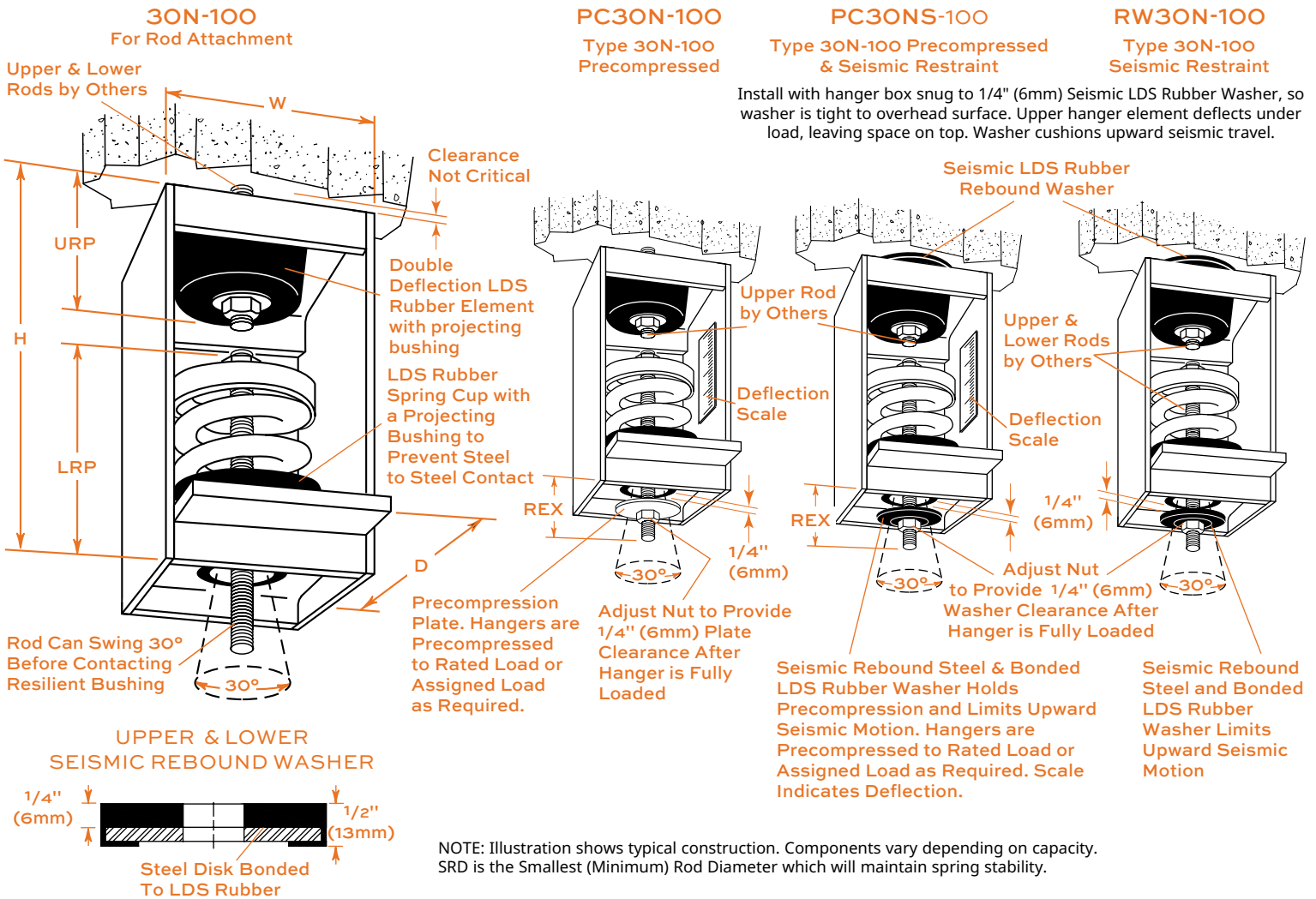
Size	Lower Rod Penetration LRP (in) (mm)	Max. Rod Dia. MRD (in) (mm)	Rod Extension REX (in) (mm)	Upper Rod Penetration URP (in) (mm)
X	31/4 83	3/8 10	21/4 57	13/4 44
A-12 - 25	31/4 83	5/8 16	21/4 57	21/4 57
A-41 - 95	35/8 92	5/8 16	21/4 57	21/4 57
B	33/4 95	5/8 16	21/4 57	23/4 70
C	5 127	3/4 19	21/2 64	3 76
D	7 178	7/8 22	21/2 64	41/4 108
F	7 178	7/8 22	21/2 64	5 127

All springs have additional travel to solid equal to 50% of Rated Deflection. Hanger elements have straight line deflection curves.

\*Includes double deflection LDS element. ††Applies to spring only. \*10.0 indicates a rating of 10 Gs or greater.

**30N-100, PC30N-100, PC30NS-100 & RW30N-100**

2" (51mm) DEFLECTION 30° SWING - 100 SERIES SPRING & DOUBLE DEFLECTION LDS HANGERS



**TYPE 30N, PC30N, PC30NS & RW30N DIMENSIONS**

Type	Size	D		H		W		Lower Rod Penetration LRP		Max. Rod Dia. MRD		Min. Rod Dia. SRD		Rod Extension REX		Upper Rod Penetration URP	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
30N-	101 - 107	5	127	131/2	343	6	152	71/2	191	7/8	22	5/8	16	41/2	114	31/4	83
PC30N-	108 - 109	6	152	153/8	391	71/4	184	11	279	7/8	22	5/8	16	5	127	31/4	83
PC30NS-	110 - 111	6	152	16	406	71/4	184	111/2	292	7/8	22	3/4	19	5	127	31/4	83
PC30NS-	112 - 113	7	178	17	432	91/4	235	121/4	311	11/8	29	7/8	22	51/2	140	31/4	83
RW30N-	114 - 115	8	203	22	559	10	254	151/2	394	11/8	29	1	25	51/2	140	61/2	165

Size	Average Deflection LDS Rubber	
	(in)	(mm)
All	0.40	10

**TYPE 30N, PC30N, PC30NS & RW30N RATINGS**

Type	Size	Rated Capacity		Rated Defl. <sup>†</sup>		Spring Constant <sup>††</sup>		Spring Color/Stripe	Vertical G Ratings	
		(lb)	(kg)	(in)	(mm)	(lb/in)	(kg/mm)		Tens.	Comp.
30N-	101	125	57	2.90	74	50	0.77	Purple	10.0 <sup>+</sup>	10.0 <sup>+</sup>
	102	200	91	2.90	74	80	1.23	Brown	10.0 <sup>+</sup>	10.0 <sup>+</sup>
	103	310	141	2.90	74	125	1.91	Pink	10.0 <sup>+</sup>	10.0 <sup>+</sup>
	104	500	227	2.90	74	200	3.07	Green	10.0 <sup>+</sup>	10.0 <sup>+</sup>
	105	740	336	2.80	71	310	4.73	Red	10.0 <sup>+</sup>	7.2
PC30N-	106	1050	476	2.50	64	500	7.44	White	8.0	5.1
	107	1400	635	2.40	61	700	10.40	Blue	6.0	3.8
PC30NS-	108	1660	753	2.45	62	810	12.20	Silver	6.8	5.3
	109	2250	1021	2.40	61	1125	16.70	Orange	5.0	3.9
RW30N-	110	3000	1361	2.40	61	1500	22.30	Gray	4.0	2.9
	111	4000	1814	2.40	61	2000	29.70	Tan	3.0	2.2
	112	5300	2404	2.40	61	2665	39.40	Black	2.7	2.4
	113	7100	3221	2.40	61	3550	52.80	Yellow	2.0	1.8
	114	9300	4218	2.40	61	4650	69.20	Blue/Or	4.1	1.3
	115	12600	5715	2.40	61	6300	93.70	Blue/Rd	3.0	0.95

**SPRING ONLY**

Size	Spring OD		Free Height	
	(in)	(mm)	(in)	(mm)
101 - 105	33/4	95	53/4	146
106 - 107	33/4	95	57/8	149
108	41/2	114	63/4	171
109	41/2	114	71/2	191
110 - 111	5	127	71/2	191
112	51/2	140	81/2	216
113	6	152	83/4	222
114 - 115	63/4	171	10	254

All springs have additional travel to solid equal to 50% of Rated Deflection. LDS elements have straight line deflection curves.

<sup>†</sup>Includes double deflection LDS element.

<sup>††</sup>Applies to spring only.

<sup>†††</sup>10.0 indicates a rating of 10 Gs or greater.



3" (76mm) DEFLECTION 30° SWING - 100 SERIES SPRING & DOUBLE DEFLECTION LDS HANGERS

TYPE 30N, PC30N, PC30NS & RW30N DIMENSIONS

Type	Size	D		H		W		Lower Rod Penetration LRP		Max. Rod Dia. MRD		Min. Rod Dia. SRD		Rod Extension REX		Upper Rod Penetration URP		Average Deflection LDS Rubber		
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	Size	(in)	(mm)
30N-	126 - 128	5	127	131/2	343	6	152	8	203	7/8	22	5/8	16	41/2	114	31/4	83	All	0.40	10
	129	5	127	131/2	343	6	152	8 1/2	216	7/8	22	5/8	16	41/2	114	31/4	83			
	130	6	152	153/8	391	7 1/4	184	10 1/4	260	7/8	22	5/8	16	41/2	114	31/4	83			
PC30N-	131	6	152	153/8	391	7 1/4	184	11	279	7/8	22	5/8	16	41/2	114	31/4	83			
	132	6	152	153/8	391	7 1/4	184	11 1/4	286	7/8	22	5/8	16	41/2	114	31/4	83			
PC30NS-	133 - 135	7 1/2	191	171/2	445	8 1/4	210	12 1/4	311	7/8	22	3/4	19	41/2	114	31/4	83			
RW30N-	136	8	203	20	508	9	229	14	356	7/8	22	7/8	22	5	127	31/2	89			
	137 - 138	9	229	24	610	11	279	16	406	11/8	29	1	25	5 1/2	140	6 1/2	165			
	139	9	229	25 1/2	648	11	279	17 1/2	445	11/8	29	1	25	5 1/2	140	6 1/2	165			

TYPE 30N, PC30N, PC30NS & RW30N RATINGS

Type	Size	Rated Capacity		Rated Defl. <sup>†</sup>		Spring Constant <sup>††</sup>		Spring Color/Stripe	Vertical G Ratings Tens. Comp.	
		(lb)	(kg)	(in)	(mm)	(lb/in)	(kg/mm)			
30N-	126	195	88	3.65	93	60	0.95	Purple	10.0*	10.0*
	127	280	127	3.65	93	85	1.37	Brown	10.0*	10.0*
	128	390	177	3.65	93	120	1.90	Orange	10.0*	10.0*
30N-	129	520	236	3.65	93	160	2.54	Green	10.0*	10.0*
	130	710	322	3.65	93	220	3.46	Red	10.0*	10.0*
	131	940	426	3.65	93	290	4.58	White	10.0*	9.3
PC30N-	132	1280	581	3.65	93	395	6.25	Blue	8.0	6.8
	133	1770	803	3.65	93	545	8.63	Black	5.6	5.6
PC30NS-	134	2490	1129	3.65	93	765	12.10	Yellow	4.0	4.0
	135	3300	1497	3.65	93	1000	16.10	Gray	3.0	3.0
RW30N-	136	4500	2041	3.65	93	1370	22.00	Blue/Br	7.0	2.1
	137	6200	2818	3.65	93	1900	30.20	Blue/Or	2.7	1.5
	138	8300	3765	3.65	93	2560	40.50	Blue/Rd	2.0	1.1
	139	11400	5171	3.65	93	3500	55.60	Blue/Wt	3.0	0.65

SPRING ONLY

Size	Spring OD		Free Height	
	(in)	(mm)	(in)	(mm)
126	33/4	95	63/8	162
127	33/4	95	61/2	165
128	4	102	61/2	165
129	4	102	7	178
130	4 1/2	114	7 1/4	184
131	4 1/2	114	7 1/2	191
132	5	127	7 7/8	200
133	5 1/2	140	9 1/4	235
134	5 1/2	140	9 1/4	235
135	6	152	9 1/2	241
136	6 3/4	171	9 3/4	235
137	7 3/4	197	10 7/8	276
138	7 3/4	197	11	279
139	7 3/4	197	12 1/4	311

All springs have additional travel to solid equal to 50% of Rated Deflection. LDS elements have straight line deflection curves.  
<sup>†</sup>Includes double deflection LDS element.  
<sup>††</sup>Applies to spring only.  
<sup>\*</sup>10.0 indicates a rating of 10 Gs or greater.

4" (102mm) DEFLECTION 30° SWING - 100 SERIES SPRING & DOUBLE DEFLECTION LDS HANGERS

TYPE 30N, PC30N, PC30NS & RW30N DIMENSIONS

Type	Size	D		H		W		Lower Rod Penetration LRP		Max. Rod Dia. MRD		Min. Rod Dia. SRD		Rod Extension REX		Upper Rod Penetration URP		Average Deflection LDS Rubber		
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	Size	(in)	(mm)		
30N-	150 - 153	6	152	153/8	391	7 1/4	184	11	279	7/8	22	5/8	16	5	127	31/4	83	All	0.40	10
	154 - 157	7 1/2	181	171/2	445	8 1/4	210	13 1/4	337	7/8	22	5/8	16	5	127	31/4	83			
PC30N-	158 - 159	8	203	20	508	9	229	14 1/4	362	7/8	22	5/8	16	5	127	31/4	83			
	160	9	229	24	610	11	279	17	432	11/8	29	3/4	19	5 1/2	140	6 1/2	165			
PC30NS-	161	9	229	24	610	11	279	17	432	11/8	29	3/4	19	6 1/2	165	6 1/2	165			
	162 - 164	10	254	26 1/2	673	12 1/2	318	19	483	11/8	29	1	25	6 1/2	165	6 1/2	165			
RW30N-	165	10	254	28	711	12 1/4	311	21	533	11/8	29	1	25	6 1/2	165	6 1/2	165			

TYPE 30N, PC30N, PC30NS & RW30N RATINGS

Type	Size	Rated Capacity		Rated Defl. <sup>†</sup>		Spring Constant <sup>††</sup>		Spring Color/Stripe	Vertical G Ratings Tens. Comp.	
		(lb)	(kg)	(in)	(mm)	(lb/in)	(kg/mm)			
30N-	150	240	109	4.78	121	55	0.98	Purple	10.0*	10.0*
	151	330	150	4.78	121	75	1.35	Brown	10.0*	10.0*
	152	420	191	4.78	121	95	1.72	Orange	10.0*	10.0*
	153	530	240	4.78	121	120	2.16	Green	10.0*	10.0*
30N-	154	680	308	4.78	121	155	2.77	Red	10.0*	10.0*
	155	880	399	4.78	121	200	3.59	White	10.0*	10.0*
	156	1120	508	4.78	121	255	4.58	Blue	8.9	8.9
PC30N-	157	1420	644	4.78	121	325	5.80	Black	7.0	7.0
	158	1840	835	4.78	121	420	7.52	Yellow	10.0*	5.2
PC30NS-	159	2370	1075	4.78	121	540	9.68	Gray	10.0*	4.0
	160	3000	1361	4.78	121	695	12.26	Blue/Br	6.5	3.0
RW30N-	161	3900	1769	4.78	121	895	15.94	Blue/Rd	5.0	2.3
	162	5100	2313	4.78	121	1155	20.80	Blue/Or	6.6	1.3
	163	6500	2948	4.78	121	1485	26.60	Blue/Wh	5.2	1.1
	164	8400	3810	4.78	121	1910	34.30	Blue/Sil	4.0	0.81
	165	10800	4899	4.78	121	2455	44.40	Blue/Gry	4.0	0.6

SPRING ONLY

Size	Spring OD		Free Height	
	(in)	(mm)	(in)	(mm)
150	5	127	83/8	213
151	5	127	83/8	213
152	5	127	83/8	213
153	5	127	83/8	213
154	6	152	87/8	225
155	6	152	91/8	232
156	6	152	97/8	251
157	6	152	10	254
158	6 3/4	171	103/8	264
159	6 3/4	171	111/8	283
160	7 3/4	197	107/8	276
161	7 3/4	197	113/8	289
162	8 3/4	222	111/2	292
163	8 3/4	222	131/4	337
164	8 3/4	222	133/8	340
165	9 3/8	238	141/8	359

All springs have additional travel to solid equal to 50% of Rated Deflection. LDS elements have straight line deflection curves.  
<sup>†</sup>Includes double deflection LDS element.  
<sup>††</sup>Applies to spring only.  
<sup>\*</sup>10.0 indicates a rating of 10 Gs or greater.



5" (127mm) DEFLECTION 30° SWING - 100 SERIES SPRING & DOUBLE DEFLECTION LDS HANGERS

TYPE 30N, PC30N, PC30NS & RW30N DIMENSIONS

Type	Size	D		H		W		Lower Rod Penetration LRP		Max. Rod Dia. MRD		Min. Rod Dia. SRD		Rod Extension REX		Upper Rod Penetration URP	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
30N-	174 - 178	7	178	16	406	9 1/4	235	12 1/2	318	3/4	19	5/8	16	5	127	3 1/4	83
	179 - 182	8	203	19	483	10	254	15	381	3/4	19	5/8	16	5 1/2	140	3 1/2	89
PC30N-	183 - 186	9	229	21	533	11 1/4	286	17	432	7/8	22	3/4	19	6	152	3 1/2	89
PC30NS-	187 - 189	9 1/2	241	26 1/2	673	12 1/4	311	19	483	7/8	22	7/8	22	6	152	6 1/2	165
RW30N-	190 - 191	10	254	28	711	12 1/4	311	21	533	1 1/8	29	1	25	6 1/2	165	6 1/2	165
	192 - 193	10 1/2	267	30	762	13 1/4	337	23	584	1 1/8	29	1	25	6 1/2	165	6 1/2	165

Size	Average Deflection LDS Rubber	
	(in)	(mm)
All	0.40	10

TYPE 30N, PC30N, PC30NS & RW30N RATINGS

Type	Size	Rated Capacity		Rated Defl. <sup>†</sup>		Spring Constant <sup>††</sup>		Spring Color/Stripe	Vertical G Ratings		
		(lb)	(kg)	(in)	(mm)	(lb/in)	(kg/mm)		Tens.	Comp.	
30N-	174	270	122	5.71	145	50	0.89	Purple	10.0*	10.0*	
	175	320	145	5.71	145	60	1.70	Brown	10.0*	10.0*	
	176	370	168	5.71	145	70	1.25	Orange	10.0*	9.4	
	177	460	209	5.78	147	85	1.50	Green	10.0*	7.6	
	178	560	254	5.78	147	105	1.90	Red	10.0*	6.2	
	179	670	304	5.78	147	125	2.20	White	10.0*	10.0*	
	180	830	376	5.78	147	155	2.80	Blue	10.0*	10.0*	
	181	1000	454	5.78	147	185	3.30	Black	10.0*	9.1	
	182	1240	562	5.77	147	230	4.10	Yellow	10.0*	7.3	
	PC30N-	183	1500	680	5.77	147	280	5.00	Gray	10.0*	6.0
	PC30NS-	184	1830	830	5.77	147	340	6.10	Pink	10.0*	4.9
	185	2230	1012	5.77	147	415	7.40	Silver	10.0*	4.0	
RW30N-	186	2710	1229	5.77	147	505	9.00	Tan	9.0	3.3	
	187	3300	1497	5.77	147	615	11.00	Blue/Or	10.0;	2.1	
	188	4100	1860	5.77	147	755	13.60	Blue/Rd	9.6	1.7	
	189	4900	2223	5.77	147	915	16.30	Blue/Wt	8.0	1.4	
	190	6000	2722	5.77	147	1120	20.00	Blue/Yel	7.3	1.1	
	191	7300	3311	5.77	147	1365	24.30	Blue/Sil	6.0	0.85	
	192	9000	4082	5.77	147	1670	29.90	Blue/Gry	3.7	0.6	
	193	11000	4990	5.77	147	2040	36.60	Blue/Tn	3.0	0.5	

SPRING ONLY

Size	Spring OD		Free Height	
	(in)	(mm)	(in)	(mm)
174	6	152	9 7/8	251
175	6	152	10 1/16	256
176	6	152	10	254
177	6	152	10 1/2	267
178	6	152	10 3/4	273
179	6 3/4	171	11 1/16	281
180	6 3/4	171	11 3/8	289
181	6 3/4	171	11 1/8	283
182	6 3/4	171	11 3/8	289
183	7 3/4	197	12 7/16	316
184	7 3/4	197	11 7/8	302
185	7 3/4	197	12	305
186	7 3/4	197	12 3/4	324
187	8 3/4	222	12 3/4	324
188	8 3/4	222	13 3/8	340
189	9 1/16	230	13 7/16	341
190	9 1/2	241	14 5/8	371
191	9 1/2	241	15 3/16	386
192	10 1/4	260	15 5/8	397
193	10 1/4	260	16	406

All springs have additional travel to solid equal to 50% of Rated Deflection.  
LDS elements have straight line deflection curves.

<sup>†</sup>Includes double deflection LDS element.

<sup>††</sup>Applies to spring only.

\*10.0 indicates a rating of 10 Gs or greater.

