

XHP Series DIE Springs – GREEN (Extra High Pressure)

Hole Dia. (O.D)	Part Number	Rod Dia. (I.D.)	Free Length		Load at 25% Deflection		Load at 1/10" Deflection		
			in.	mm.	lb.	kg.	lb.	kg.	
3/8" 9.5mm	XHP-02	3/16" 4.8 mm	1	25.4	55.	24.95	22.	9.98	
	XHP02A		1 ¼	31.78	53.2	24.14	17.	7	
	XHP-03		1 ½	38.1	54.84	24.67	14.5	6.58	
	XHP-03A		1 ¾	44.45	50.3	22.85	11.5	5.22	
	XHP-04		2	50.8	50.	22.68	10.	4.54	
	XHP-05		2 ½	63.5	50.	22.68	8.	3.63	
	Wire .059 x .080		XHP-06	3	76.2	48.8	22.11	6.5	2.95
	XHP-024		12	304.8	45.	20.41	1.5	.68	
1/2" 12.7 mm	XHP-12	9/32" 7.1 mm	1	25.4	80.	36.29	32.	14.52	
	XHP-12A		1 ¼	31.78	75.12	34.07	24.	10.89	
	XHP-13		1 ½	38.1	75.	34.02	20.	9.07	
	XHP-13A		1 ¾	44.45	74.5	33.77	17.	17.71	
	XHP-14		2	50.8	70.	31.75	14.	6.35	
	XHP-15		2 ½	63.5	71.8	32.6	11.5	5.22	
	Wire .084 x .097		XHP-16	3	76.2	67.7	30.62	9.	4.08
	XHP-17		3 ½	88.9	70.	31.75	8.	3.63	
	MP-124		12	304.8	75.	34.02	2.5	1.13	
5/8" 15.9 mm	XHP-22	11/32" 8.7 mm	1	25.4	157.5	71.44	63.	28.58	
	XHP-22A		1 ¼	31.78	146.9	66.73	47.	21.32	
	XHP-23		1 ½	38.1	142.5	64.64	38.	17.24	
	XHP-23A		1 ¾	44.5	140.16	63.58	32.	14.52	
	XHP-24		2	50.8	145.	65.77	29.	13.15	
	XHP-25		2 ½	63.5	137.5	62.37	22.	9.98	
	XHP-26		3	76.2	135.	61.24	18.	8.16	
	Wire .110 x .126		XHP-27	3 ½	88.9	140.	63.5	16.	7.26
	XHP-28		4	101.6	134.9	61.24	13.5	6.12	
	XHP-224		12	304.8	135.3	61.24	4.5	2.04	
	3/4" 19.1 mm		XHP-32	3/8" 9.5 mm	1	25.4	350.	158.76	140.
XHP-32A		1 ¼	31.78		343.8	156.17	110.	49.9	
XHP-33		1 ½	38.1		333.8	151.39	89.	40.37	
XHP-33A		1 ¾	44.5		328.3	149.01	75.	34.02	
XHP-34		2	50.8		317.7	144.02	63.5	28.8	
XHP-35		2 ½	63.5		312.9	141.75	50.	22.68	
XHP-36		3	76.2		303.8	137.78	40.5	18.37	
XHP-37		3 ½	88.9		302.	136.93	34.5	15.65	

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Wire .135 x .165	XHP-38		4	101.6	300.	136.08	30.	13.61
	XHP-39		4 ½	114.3	298.2	135.23	26.5	12.02
	XHP-310		5	127.	294.3	133.25	23.5	10.66
	XHP-311		5 ½	139.7	296.2	134.1	21.5	9.75
	XHP-312		6	152.4	292.5	132.68	19.5	8.85
	XHP-324		12	304.8	285.	129.28	9.5	4.31
	1" 25.4 mm	Wire .188 x .221	½" 12.7 mm	1 ½	38.1	600.	314.34	160.
			2	50.8	580.	263.09	116.	52.62
			2 ½	63.5	560.	254.02	89.6	40.64
			3	76.2	552.	250.39	73.6	33.38
			3 ½	88.9	546.	247.67	62.4	28.3
			4	101.6	552.	250.39	55.2	25.04
			4 ½	114.3	549.	249.03	48.8	22.14
			5	127.	540.	244.94	43.2	19.6
			6	152.4	540.	244.94	36.	16.33
			12	304.8	528.	239.5	17.6	7.98
1 ¼" 31.8 mm	Wire .225 x .284	5/8" 15.9 mm	2	50.8	960.	435.46	192.	87.09
			2 ½	63.5	900.	408.24	144.	65.32
			3	76.2	888.	402.8	118.4	53.71
			3 ½	88.9	882.	400.08	100.8	45.72
			4	101.6	840.	381.02	84.	38.1
			4 ½	114.3	882.	400.08	78.4	35.56
			5	127.	850.	385.56	68.	30.84
			6	152.4	840.	381.02	56.	25.4
			8	203.2	832.	377.40	41.6	18.87
			10	254.	840.	381.02	33.6	15.24
	12	304.8	792.	359.25	26.4	11.98		
1 ½" 38.1 mm	Wire .300 x .346	¾" 19.1 mm	2	50.8	1880.	852.77	376.	170.55
			2 ½	63.5	1840.	834.62	294.4	133.54
			3	76.2	1734.	786.54	231.2	104.87
			3 ½	88.9	1715.	777.92	196.	88.91
			4	101.6	1712.	776.56	171.2	77.66
			4 ½	114.3	1665.	755.24	148.	67.13
			5	127.	1700.	711.12	136.	61.69
			6	152.4	1656.	751.16	110.4	50.08
			8	203.2	1616.	733.02	80.8	36.65
			10	254.	1680.	762.05	67.2	30.48
	12	304.8	1632.	740.28	54.4	24.68		
2" 5.8 mm	Wire .365 x .460	1" 25.4 mm	2 ½	63.5	2385.	1081.84	381.6	173.09
			3	76.2	2340.	1061.42	312.	141.52
			3 ½	88.9	2226.	1009.71	254.4	115.4
			4	101.6	2200.	997.92	220.	99.79
			4 ½	114.3	2124.	963.45	188.8	85.64
			5	127.	2160.	979.78	172.8	78.38
			6	152.4	2124.	963.45	141.6	64.23
			8	203.2	2000.	907.2	100.	45.36
			10	254.	2100.	952.56	84.	38.1
			12	304.8	2136.	968.89	71.2	32.2