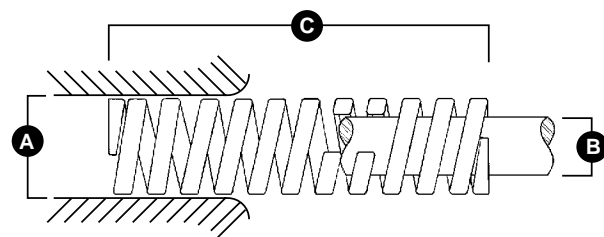


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LIGHT DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS GREEN											
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE						
					For Optimum Life (25% of free length)		For Long Life (30% of free length)		Maximum Operating Def. (35% of free length)		*Maximum Deflection
A	B	C					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
10	5	25	203-104	10.0	62.5	6.3	75.0	7.5	87.5	8.8	10.3
		32	203-105	8.5	68.0	8.0	81.6	9.6	95.2	11.2	13.1
		38	203-106	6.8	64.6	9.5	77.5	11.4	90.4	13.3	15.6
		44	203-107	6.0	66.0	11.0	79.2	13.2	92.4	15.4	18.0
		51	203-108	5.0	63.8	12.8	76.5	15.3	89.3	17.9	20.9
		64	203-110	4.3	68.8	16.0	82.6	19.2	96.3	22.4	26.0
		76	203-112	3.2	60.8	19.0	73.0	22.8	85.1	26.6	31.2
		305	203-148	1.1	83.9	76.3	100.7	91.5	117.4	106.8	125.0
12.5	6.3	25	203-204	17.9	111.9	6.3	134.3	7.5	156.6	8.8	10.3
		32	203-205	16.4	131.2	8.0	157.4	9.6	183.7	11.2	13.1
		38	203-206	13.6	129.2	9.5	155.0	11.4	180.9	13.3	15.6
		44	203-207	12.1	133.1	11.0	159.7	13.2	186.3	15.4	18.0
		51	203-208	11.4	145.4	12.8	174.4	15.3	203.5	17.9	20.9
		64	203-210	9.3	148.8	16.0	178.6	19.2	208.3	22.4	26.3
		76	203-212	7.1	134.9	19.0	161.9	22.8	188.9	26.6	31.2
		89	203-214	5.4	120.2	22.3	144.2	26.7	168.2	31.2	36.5
305	203-248	1.4	106.8	76.3	128.1	91.5	149.5	106.8	125.0		
16	8	25	203-304	23.4	146.3	6.3	175.5	7.5	204.8	8.8	10.3
		32	203-305	22.9	183.2	8.0	219.8	9.6	256.5	11.2	13.1
		38	203-306	19.3	183.4	9.5	220.0	11.4	256.7	13.3	15.6
		44	203-307	17.1	188.1	11.0	225.7	13.2	263.3	15.4	18.0
		51	203-308	15.7	200.2	12.8	240.2	15.3	280.2	17.9	20.9
		64	203-310	10.7	171.2	16.0	205.4	19.2	239.7	22.4	26.3
		76	203-312	10.0	190.0	19.0	228.0	22.8	266.0	26.6	31.2
		89	203-314	8.6	191.4	22.3	229.6	26.7	267.9	31.2	36.5
102	203-316	7.8	198.9	25.5	238.7	30.6	278.5	35.7	41.8		
305	203-348	2.5	190.6	76.3	228.8	91.5	266.9	106.8	125.0		
20	10	25	203-404	55.8	348.8	6.3	418.5	7.5	488.3	8.8	10.2
		32	203-405	45.0	360.0	8.0	432.0	9.6	504.0	11.2	12.5
		38	203-406	33.3	316.4	9.5	379.6	11.4	442.9	13.3	15.0
		44	203-407	30.0	330.0	11.0	396.0	13.2	462.0	15.4	18.0
		51	203-408	24.5	312.4	12.8	374.9	15.3	437.3	17.9	20.0
		64	203-410	20.0	320.0	16.0	384.0	19.2	448.0	22.4	25.0
		76	203-412	16.0	304.0	19.0	364.8	22.8	425.6	26.6	30.0
		89	203-414	14.0	311.5	22.3	373.8	26.7	436.1	31.2	35.0
		102	203-416	12.0	306.0	25.5	367.2	30.6	428.4	35.7	41.0
		115	203-418	10.9	313.4	28.8	376.1	34.5	438.7	40.3	46.0
		127	203-420	9.5	301.6	31.8	362.0	38.1	422.3	44.5	51.0
		139	203-422	8.4	291.9	34.8	350.3	41.7	408.7	48.7	56.0
		152	203-424	7.5	285.0	38.0	342.0	45.6	399.0	53.2	61.0
305	203-448	4.0	305.0	76.3	366.0	91.5	427.0	106.8	122.0		
25	12.5	25	203-504	100.0	625.0	6.3	750.0	7.5	875.0	8.8	10.2
		32	203-505	80.3	642.4	8.0	770.9	9.6	899.4	11.2	12.5
		38	203-506	62.0	589.0	9.5	706.8	11.4	824.6	13.3	15.0
		44	203-507	52.9	581.9	11.0	698.3	13.2	814.7	15.4	18.0
		51	203-508	44.0	561.0	12.8	673.2	15.3	785.4	17.9	20.0
		64	203-510	35.2	563.2	16.0	675.8	19.2	788.5	22.4	25.0
76	203-512	28.0	532.0	19.0	638.4	22.8	744.8	26.6	30.0		

LIGHT DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS GREEN

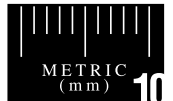
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE							
					For Optimum Life (25% of free length)		For Long Life (30% of free length)		Maximum Operating Def. (35% of free length)		*Maximum Deflection	
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)	
A	B	C										
25	12.5	89	203-514	24.0	534.0	22.3	640.8	26.7	747.6	31.2	35.0	
		102	203-516	21.1	538.1	25.5	645.7	30.6	753.3	35.7	41.0	
		115	203-518	18.7	537.6	28.8	645.2	34.5	752.7	40.3	46.0	
		127	203-520	16.7	530.2	31.8	636.3	38.1	742.3	44.5	51.0	
		139	203-522	15.3	531.7	34.8	638.0	41.7	744.3	48.7	56.0	
		152	203-524	14.0	532.0	38.0	638.4	45.6	744.8	53.2	61.0	
		178	203-528	12.5	556.3	44.5	667.5	53.4	778.8	62.3	71.0	
		203	203-532	10.4	527.8	50.8	633.4	60.9	738.9	71.1	81.0	
		305	203-548	7.0	533.8	76.3	640.5	91.5	747.3	106.8	122.0	
32	16	38	203-606	94.0	893.0	9.5	1071.6	11.4	1250.2	13.3	15.0	
		44	203-607	79.5	874.5	11.0	1049.4	13.2	1224.3	15.4	18.0	
		51	203-608	67.0	854.3	12.8	1025.1	15.3	1196.0	17.9	20.0	
		64	203-610	53.0	848.0	16.0	1017.6	19.2	1187.2	22.4	25.0	
		76	203-612	44.0	836.0	19.0	1003.2	22.8	1170.4	26.6	30.0	
		89	203-614	37.2	827.7	22.3	993.2	26.7	1158.8	31.2	35.0	
		102	203-616	32.0	816.0	25.5	979.2	30.6	1142.4	35.7	41.0	
		115	203-618	29.0	833.8	28.8	1000.5	34.5	1167.3	40.3	46.0	
		127	203-620	25.0	793.8	31.8	952.5	38.1	1111.3	44.5	51.0	
		139	203-622	23.0	799.3	34.8	959.1	41.7	1119.0	48.7	56.0	
		152	203-624	21.5	817.0	38.0	980.4	45.6	1143.8	53.2	61.0	
		178	203-628	18.2	809.9	44.5	971.9	53.4	1133.9	62.3	71.0	
		203	203-632	15.8	801.9	50.8	962.2	60.9	1122.6	71.1	81.0	
		254	203-640	12.5	793.8	63.5	952.5	76.2	1111.3	88.9	102.0	
305	203-648	10.3	785.4	76.3	942.5	91.5	1099.5	106.8	122.0			
40	20	51	203-708	92.0	1173.0	12.8	1407.6	15.3	1642.2	17.9	20.0	
		64	203-710	73.0	1168.0	16.0	1401.6	19.2	1635.2	22.4	25.0	
		76	203-712	63.0	1197.0	19.0	1436.4	22.8	1675.8	26.6	30.0	
		89	203-714	51.0	1134.8	22.3	1361.7	26.7	1588.7	31.2	35.0	
		102	203-716	43.0	1096.5	25.5	1315.8	30.6	1535.1	35.7	41.0	
		115	203-718	39.6	1138.5	28.8	1366.2	34.5	1593.9	40.3	46.0	
		127	203-720	37.0	1174.8	31.8	1409.7	38.1	1644.7	44.5	51.0	
		139	203-722	32.0	1112.0	34.8	1334.4	41.7	1556.8	48.7	56.0	
		152	203-724	28.0	1064.0	38.0	1276.8	45.6	1489.6	53.2	61.0	
		178	203-728	25.2	1121.4	44.5	1345.7	53.4	1570.0	62.3	71.0	
		203	203-732	22.7	1152.0	50.8	1382.4	60.9	1612.8	71.1	81.0	
		254	203-740	17.0	1079.5	63.5	1295.4	76.2	1511.3	88.9	102.0	
		305	203-748	14.8	1128.5	76.3	1354.2	91.5	1579.9	106.8	122.0	
		50	25	64	203-810	156.0	2496.0	16.0	2995.2	19.2	3494.4	22.4
76	203-812			125.0	2375.0	19.0	2850.0	22.8	3325.0	26.6	30.0	
89	203-814			109.0	2425.3	22.3	2910.3	26.7	3395.4	31.2	35.0	
102	203-816			94.0	2397.0	25.5	2876.4	30.6	3355.8	35.7	41.0	
115	203-818			81.0	2328.8	28.8	2794.5	34.5	3260.3	40.3	46.0	
127	203-820			71.0	2254.3	31.8	2705.1	38.1	3156.0	44.5	51.0	
139	203-822			66.5	2310.9	34.8	2773.1	41.7	3235.2	48.7	56.0	
152	203-824			60.0	2280.0	38.0	2736.0	45.6	3192.0	53.2	61.0	
178	203-828			52.0	2314.0	44.5	2776.8	53.4	3239.6	62.3	71.0	
203	203-832			44.0	2233.0	50.8	2679.6	60.9	3126.2	71.1	81.0	
254	203-840			35.0	2222.5	63.5	2667.0	76.2	3111.5	88.9	102.0	
305	203-848			28.5	2173.1	76.3	2607.8	91.5	3042.4	106.8	122.0	
63	38	76	203-912	189.0	3591.0	19.0	4309.2	22.8	5027.4	26.6	30.0	
		89	203-914	158.0	3515.5	22.3	4218.6	26.7	4921.7	31.2	35.0	
		102	203-916	131.0	3340.5	25.5	4008.6	30.6	4676.7	35.7	41.0	
		115	203-918	116.0	3335.0	28.8	4002.0	34.5	4669.0	40.3	46.0	
		127	203-920	103.0	3270.3	31.8	3924.3	38.1	4578.4	44.5	51.0	
		152	203-924	84.3	3203.4	38.0	3844.1	45.6	4484.8	53.2	61.0	
		178	203-928	71.5	3181.8	44.5	3818.1	53.4	4454.5	62.3	71.0	
		203	203-932	61.7	3131.3	50.8	3757.5	60.9	4383.8	71.1	81.0	
		254	203-940	47.0	2984.5	63.5	3581.4	76.2	4178.3	88.9	102.0	
		305	203-948	38.2	2912.8	76.3	3495.3	91.5	4077.9	106.8	122.0	



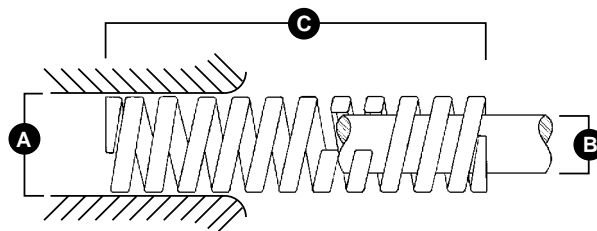
GuangZhou MouldSpring Co.,Ltd.

MEDIUM DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS BLUE											
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE						
					For Optimum Life (20% of free length)		For Long Life (25% of free length)		Maximum Operating Def. (30% of free length)		*Maximum Deflection
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
A	B	C									
10	5	25	204-104	16.0	80.0	5.0	100.0	6.3	120.0	7.5	9.5
		32	204-105	13.0	83.2	6.4	104.0	8.0	124.8	9.6	12.2
		38	204-106	11.9	90.4	7.6	113.1	9.5	135.7	11.4	14.4
		44	204-107	10.3	90.6	8.8	113.3	11.0	136.0	13.2	16.7
		51	204-108	8.9	90.8	10.2	113.5	12.8	136.2	15.3	19.4
		64	204-110	7.5	96.0	12.8	120.0	16.0	144.0	19.2	24.3
		76	204-112	5.3	80.6	15.2	100.7	19.0	120.8	22.8	28.9
		305	204-148	1.6	97.6	61.0	122.0	76.3	146.4	91.5	116.0
12.5	6.3	25	204-204	30.0	150.0	5.0	187.5	6.3	225.0	7.5	9.5
		32	204-205	24.8	158.7	6.4	198.4	8.0	238.1	9.6	12.2
		38	204-206	21.4	162.6	7.6	203.3	9.5	244.0	11.4	14.4
		44	204-207	18.5	162.8	8.8	203.5	11.0	244.2	13.2	16.7
		51	204-208	15.5	158.1	10.2	197.6	12.8	237.2	15.3	19.4
		64	204-210	12.1	154.9	12.8	193.6	16.0	232.3	19.2	24.3
		76	204-212	10.2	155.0	15.2	193.8	19.0	232.6	22.8	28.9
		89	204-214	8.4	149.5	17.8	186.9	22.3	224.3	26.7	33.8
305	204-248	2.1	128.1	61.0	160.1	76.3	192.2	91.5	116.0		
16	8	25	204-304	49.4	247.0	5.0	308.8	6.3	370.5	7.5	9.5
		32	204-305	37.1	237.4	6.4	296.8	8.0	356.2	9.6	12.2
		38	204-306	33.9	257.6	7.6	322.1	9.5	386.5	11.4	14.4
		44	204-307	30.0	264.0	8.8	330.0	11.0	396.0	13.2	16.7
		51	204-308	26.4	269.3	10.2	336.6	12.8	403.9	15.3	19.4
		64	204-310	20.5	262.4	12.8	328.0	16.0	393.6	19.2	24.3
		76	204-312	17.8	270.6	15.2	338.2	19.0	405.8	22.8	28.9
		89	204-314	15.2	270.6	17.8	338.2	22.3	405.8	26.7	33.8
102	204-316	13.5	275.4	20.4	344.3	25.5	413.1	30.6	38.8		
305	204-348	4.8	292.8	61.0	366.0	76.3	439.2	91.5	116.0		
20	10	25	204-404	98.0	490.0	5.0	612.5	6.3	735.0	7.5	9.4
		32	204-405	72.6	464.6	6.4	580.8	8.0	697.0	9.6	12.0
		38	204-406	56.0	425.6	7.6	532.0	9.5	638.4	11.4	14.0
		44	204-407	47.5	418.0	8.8	522.5	11.0	627.0	13.2	16.5
		51	204-408	41.7	425.3	10.2	531.7	12.8	638.0	15.3	19.0
		64	204-410	32.3	413.4	12.8	516.8	16.0	620.2	19.2	24.0
		76	204-412	25.1	381.5	15.2	476.9	19.0	572.3	22.8	28.0
		89	204-414	22.0	391.6	17.8	489.5	22.3	587.4	26.7	33.0
		102	204-416	19.8	403.9	20.4	504.9	25.5	605.9	30.6	38.0
		115	204-418	18.1	416.3	23.0	520.4	28.8	624.5	34.5	43.0
		127	204-420	16.6	421.6	25.4	527.1	31.8	632.5	38.1	48.0
		139	204-422	15.1	419.8	27.8	524.7	34.8	629.7	41.7	52.0
		152	204-424	13.2	401.3	30.4	501.6	38.0	601.9	45.6	57.0
		305	204-448	6.1	372.1	61.0	465.1	76.3	558.2	91.5	114.0
25	12.5	25	204-504	147.0	735.0	5.0	918.8	6.3	1102.5	7.5	9.4
		32	204-505	118.0	755.2	6.4	944.0	8.0	1132.8	9.6	12.0
		38	204-506	93.0	706.8	7.6	883.5	9.5	1060.2	11.4	14.0
		44	204-507	80.8	711.0	8.8	888.8	11.0	1066.6	13.2	16.5
		51	204-508	68.6	699.7	10.2	874.7	12.8	1049.6	15.3	19.0
		64	204-510	53.0	678.4	12.8	848.0	16.0	1017.6	19.2	24.0
76	204-512	43.2	656.6	15.2	820.8	19.0	985.0	22.8	28.0		

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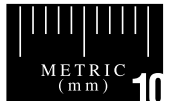
MEDIUM DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS BLUE											
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE						
					For Optimum Life (20% of free length)		For Long Life (25% of free length)		Maximum Operating Def. (30% of free length)		*Maximum Deflection
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
A	B	C									
25	12.5	89	204-514	38.2	680.0	17.8	850.0	22.3	1019.9	26.7	33.0
		102	204-516	33.0	673.2	20.4	841.5	25.5	1009.8	30.6	38.0
		115	204-518	28.0	644.0	23.0	805.0	28.8	966.0	34.5	43.0
		127	204-520	25.9	657.9	25.4	822.3	31.8	986.8	38.1	48.0
		139	204-522	23.2	645.0	27.8	806.2	34.8	967.4	41.7	52.0
		152	204-524	20.8	632.3	30.4	790.4	38.0	948.5	45.6	57.0
		178	204-528	17.8	633.7	35.6	792.1	44.5	950.5	53.4	67.0
		203	204-532	15.8	641.5	40.6	801.9	50.8	962.2	60.9	76.0
305	204-548	10.2	622.2	61.0	777.8	76.3	933.3	91.5	114.0		
32	16	38	204-606	185.0	1406.0	7.6	1757.5	9.5	2109.0	11.4	14.0
		44	204-607	158.0	1390.4	8.8	1738.0	11.0	2085.6	13.2	16.5
		51	204-608	134.0	1366.8	10.2	1708.5	12.8	2050.2	15.3	19.0
		64	204-610	99.0	1267.2	12.8	1584.0	16.0	1900.8	19.2	24.0
		76	204-612	80.5	1223.6	15.2	1529.5	19.0	1835.4	22.8	28.0
		89	204-614	69.1	1230.0	17.8	1537.5	22.3	1845.0	26.7	33.0
		102	204-616	58.8	1199.5	20.4	1499.4	25.5	1799.3	30.6	38.0
		115	204-618	51.5	1184.5	23.0	1480.6	28.8	1776.8	34.5	43.0
		127	204-620	44.8	1137.9	25.4	1422.4	31.8	1706.9	38.1	48.0
		139	204-622	42.3	1175.9	27.8	1469.9	34.8	1763.9	41.7	52.0
		152	204-624	37.8	1149.1	30.4	1436.4	38.0	1723.7	45.6	57.0
		178	204-628	32.5	1157.0	35.6	1446.3	44.5	1735.5	53.4	67.0
		203	204-632	28.9	1173.3	40.6	1466.7	50.8	1760.0	60.9	76.0
		254	204-640	21.4	1087.1	50.8	1358.9	63.5	1630.7	76.2	95.0
305	204-648	18.3	1116.3	61.0	1395.4	76.3	1674.5	91.5	114.0		
40	20	51	204-708	181.6	1852.3	10.2	2315.4	12.8	2778.5	15.3	19.0
		64	204-710	140.0	1792.0	12.8	2240.0	16.0	2688.0	19.2	24.0
		76	204-712	108.0	1641.6	15.2	2052.0	19.0	2462.4	22.8	28.0
		89	204-714	90.7	1614.5	17.8	2018.1	22.3	2421.7	26.7	33.0
		102	204-716	81.0	1652.4	20.4	2065.5	25.5	2478.6	30.6	38.0
		115	204-718	71.8	1651.4	23.0	2064.3	28.8	2477.1	34.5	43.0
		127	204-720	62.7	1592.6	25.4	1990.7	31.8	2388.9	38.1	48.0
		139	204-722	57.5	1598.5	27.8	1998.1	34.8	2397.8	41.7	52.0
		152	204-724	51.6	1568.6	30.4	1960.8	38.0	2353.0	45.6	57.0
		178	204-728	44.1	1570.0	35.6	1962.5	44.5	2354.9	53.4	67.0
		203	204-732	36.7	1490.0	40.6	1862.5	50.8	2235.0	60.9	76.0
		254	204-740	30.1	1529.1	50.8	1911.4	63.5	2293.6	76.2	95.0
305	204-748	24.6	1500.6	61.0	1875.8	76.3	2250.9	91.5	114.0		
50	25	64	204-810	209.0	2675.2	12.8	3344.0	16.0	4012.8	19.2	24.0
		76	204-812	168.0	2553.6	15.2	3192.0	19.0	3830.4	22.8	28.0
		89	204-814	140.0	2492.0	17.8	3115.0	22.3	3738.0	26.7	33.0
		102	204-816	119.0	2427.6	20.4	3034.5	25.5	3641.4	30.6	38.0
		115	204-818	106.0	2438.0	23.0	3047.5	28.8	3657.0	34.5	43.0
		127	204-820	97.0	2463.8	25.4	3079.8	31.8	3695.7	38.1	48.0
		139	204-822	87.0	2418.6	27.8	3023.3	34.8	3627.9	41.7	52.0
		152	204-824	80.0	2432.0	30.4	3040.0	38.0	3648.0	45.6	57.0
		178	204-828	69.5	2474.2	35.6	3092.8	44.5	3711.3	53.4	67.0
		203	204-832	59.8	2427.9	40.6	3034.9	50.8	3641.8	60.9	76.0
		229	204-836	50.9	2331.2	45.8	2914.0	57.3	3496.8	68.7	86.0
		254	204-840	43.9	2230.1	50.8	2787.7	63.5	3345.2	76.2	95.0
305	204-848	38.6	2354.6	61.0	2943.3	76.3	3531.9	91.5	114.0		
63	38	76	204-912	312.0	4742.4	15.2	5928.0	19.0	7113.6	22.8	28.0
		89	204-914	260.0	4628.0	17.8	5785.0	22.3	6942.0	26.7	33.0
		102	204-916	221.0	4508.4	20.4	5635.5	25.5	6762.6	30.6	38.0
		115	204-918	187.0	4301.0	23.0	5376.3	28.8	6451.5	34.5	43.0
		127	204-920	168.0	4267.2	25.4	5334.0	31.8	6400.8	38.1	48.0
		152	204-924	136.0	4134.4	30.4	5168.0	38.0	6201.6	45.6	57.0
		178	204-928	114.0	4058.4	35.6	5073.0	44.5	6087.6	53.4	67.0
		203	204-932	100.0	4060.0	40.6	5075.0	50.8	6090.0	60.9	76.0
		229	204-936	89.2	4085.4	45.8	5106.7	57.3	6128.0	68.7	86.0
		254	204-940	78.4	3982.7	50.8	4978.4	63.5	5974.1	76.2	95.0
305	204-948	64.7	3946.7	61.0	4933.4	76.3	5920.1	91.5	114.0		



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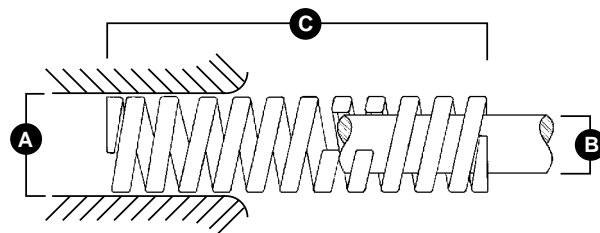
HEAVY DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS RED												
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE							
					For Optimum Life (15% of free length)		For Long Life (20% of free length)		Maximum Operating Def. (25% of free length)		*Maximum Deflection	
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)	
A	B	C										
10	5	25	205-104	22.1	82.9	3.8	110.5	5.0	138.1	6.3	7.5	
		32	205-105	17.5	84.0	4.8	112.0	6.4	140.0	8.0	9.6	
		38	205-106	17.1	97.5	5.7	130.0	7.6	162.5	9.5	11.4	
		44	205-107	15.0	99.0	6.6	132.0	8.8	165.0	11.0	13.2	
		51	205-108	12.8	97.9	7.7	130.6	10.2	163.2	12.8	15.3	
		64	205-110	10.7	102.7	9.6	137.0	12.8	171.2	16.0	19.2	
		76	205-112	7.5	85.5	11.4	114.0	15.2	142.5	19.0	22.8	
		305	205-148	2.1	96.1	45.8	128.1	61.0	160.1	76.3	91.5	
12.5	6.3	25	205-204	42.1	157.9	3.8	210.5	5.0	263.1	6.3	7.5	
		32	205-205	33.2	159.4	4.8	212.5	6.4	265.6	8.0	9.6	
		38	205-206	29.3	167.0	5.7	222.7	7.6	278.4	9.5	11.4	
		44	205-207	24.6	162.4	6.6	216.5	8.8	270.6	11.0	13.2	
		51	205-208	19.6	149.9	7.7	199.9	10.2	249.9	12.8	15.3	
		64	205-210	15.0	144.0	9.6	192.0	12.8	240.0	16.0	19.2	
		76	205-212	13.2	150.5	11.4	200.6	15.2	250.8	19.0	22.8	
		89	205-214	11.4	152.2	13.4	202.9	17.8	253.7	22.3	26.7	
305	205-248	2.8	128.1	45.8	170.8	61.0	213.5	76.3	91.5			
16	8	25	205-304	75.7	283.9	3.8	378.5	5.0	473.1	6.3	7.5	
		32	205-305	52.8	253.4	4.8	337.9	6.4	422.4	8.0	9.6	
		38	205-306	48.5	276.5	5.7	368.6	7.6	460.8	9.5	11.4	
		44	205-307	42.8	282.5	6.6	376.6	8.8	470.8	11.0	13.2	
		51	205-308	37.1	283.8	7.7	378.4	10.2	473.0	12.8	15.3	
		64	205-310	30.3	290.9	9.6	387.8	12.8	484.8	16.0	19.2	
		76	205-312	25.7	293.0	11.4	390.6	15.2	488.3	19.0	22.8	
		89	205-314	21.7	289.7	13.4	386.3	17.8	482.8	22.3	26.7	
102	205-316	19.3	295.3	15.3	393.7	20.4	492.2	25.5	30.6			
305	205-348	7.1	324.8	45.8	433.1	61.0	541.4	76.3	91.5			
20	10	25	205-404	216.0	810.0	3.8	1080.0	5.0	1350.0	6.3	7.5	
		32	205-405	168.0	806.4	4.8	1075.2	6.4	1344.0	8.0	9.6	
		38	205-406	129.0	735.3	5.7	980.4	7.6	1225.5	9.5	11.0	
		44	205-407	112.0	739.2	6.6	985.6	8.8	1232.0	11.0	13.0	
		51	205-408	94.0	719.1	7.7	958.8	10.2	1198.5	12.8	15.0	
		64	205-410	72.1	692.2	9.6	922.9	12.8	1153.6	16.0	19.0	
		76	205-412	59.7	680.6	11.4	907.4	15.2	1134.3	19.0	23.0	
		89	205-414	50.5	674.2	13.4	898.9	17.8	1123.6	22.3	27.0	
		102	205-416	44.2	676.3	15.3	901.7	20.4	1127.1	25.5	31.0	
		115	205-418	38.4	662.4	17.3	883.2	23.0	1104.0	28.8	35.0	
		127	205-420	34.1	649.6	19.1	866.1	25.4	1082.7	31.8	38.0	
		139	205-422	31.0	646.4	20.9	861.8	27.8	1077.3	34.8	42.0	
		152	205-424	28.2	643.0	22.8	857.3	30.4	1071.6	38.0	46.0	
		305	205-448	15.0	686.3	45.8	915.0	61.0	1143.8	76.3	91.0	
25	12.5	25	205-504	375.0	1406.3	3.8	1875.0	5.0	2343.8	6.3	7.5	
		32	205-505	297.0	1425.6	4.8	1900.8	6.4	2376.0	8.0	9.6	
		38	205-506	219.0	1248.3	5.7	1664.4	7.6	2080.5	9.5	11.0	
		44	205-507	187.0	1234.2	6.6	1645.6	8.8	2057.0	11.0	13.0	
		51	205-508	156.0	1193.4	7.7	1591.2	10.2	1989.0	12.8	15.0	
64	205-510	123.0	1180.8	9.6	1574.4	12.8	1968.0	16.0	19.0			

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HEAVY DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS RED

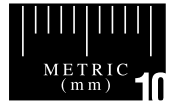
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE						
					For Optimum Life (15% of free length)		For Long Life (20% of free length)		Maximum Operating Def. (25% of free length)		*Maximum Deflection
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
A	B	C									
25	12.5	76	205-512	99.0	1128.6	11.4	1504.8	15.2	1881.0	19.0	23.0
		89	205-514	84.0	1121.4	13.4	1495.2	17.8	1869.0	22.3	27.0
		102	205-516	73.0	1116.9	15.3	1489.2	20.4	1861.5	25.5	31.0
		115	205-518	65.0	1121.3	17.3	1495.0	23.0	1868.8	28.8	35.0
		127	205-520	57.7	1099.2	19.1	1465.6	25.4	1832.0	31.8	38.0
		139	205-522	52.7	1098.8	20.9	1465.1	27.8	1831.3	34.8	42.0
		152	205-524	47.8	1089.8	22.8	1453.1	30.4	1816.4	38.0	46.0
		178	205-528	41.0	1094.7	26.7	1459.6	35.6	1824.5	44.5	53.0
		203	205-532	35.8	1090.1	30.5	1453.5	40.6	1816.9	50.8	61.0
		305	205-548	22.9	1047.7	45.8	1396.9	61.0	1746.1	76.3	91.0
32	16	38	205-606	388.0	2211.6	5.7	2948.8	7.6	3686.0	9.5	11.0
		44	205-607	324.0	2138.4	6.6	2851.2	8.8	3564.0	11.0	13.0
		51	205-608	272.0	2080.8	7.7	2774.4	10.2	3468.0	12.8	15.0
		64	205-610	212.0	2035.2	9.6	2713.6	12.8	3392.0	16.0	19.0
		76	205-612	172.0	1960.8	11.4	2614.4	15.2	3268.0	19.0	23.0
		89	205-614	141.0	1882.4	13.4	2509.8	17.8	3137.3	22.3	27.0
		102	205-616	122.0	1866.6	15.3	2488.8	20.4	3111.0	25.5	31.0
		115	205-618	107.0	1845.8	17.3	2461.0	23.0	3076.3	28.8	35.0
		127	205-620	93.0	1771.7	19.1	2362.2	25.4	2952.8	31.8	38.0
		139	205-622	86.0	1793.1	20.9	2390.8	27.8	2988.5	34.8	42.0
		152	205-624	78.0	1778.4	22.8	2371.2	30.4	2964.0	38.0	46.0
		178	205-628	67.2	1794.2	26.7	2392.3	35.6	2990.4	44.5	53.0
		203	205-632	59.1	1799.6	30.5	2399.5	40.6	2999.3	50.8	61.0
		254	205-640	46.4	1767.8	38.1	2357.1	50.8	2946.4	63.5	76.0
305	205-648	38.0	1738.5	45.8	2318.0	61.0	2897.5	76.3	91.0		
40	20	51	205-708	350.0	2677.5	7.7	3570.0	10.2	4462.5	12.8	15.0
		64	205-710	269.0	2582.4	9.6	3443.2	12.8	4304.0	16.0	19.0
		76	205-712	219.0	2496.6	11.4	3328.8	15.2	4161.0	19.0	23.0
		89	205-714	190.0	2536.5	13.4	3382.0	17.8	4227.5	22.3	27.0
		102	205-716	163.0	2493.9	15.3	3325.2	20.4	4156.5	25.5	31.0
		115	205-718	142.0	2449.5	17.3	3266.0	23.0	4082.5	28.8	35.0
		127	205-720	128.0	2438.4	19.1	3251.2	25.4	4064.0	31.8	38.0
		139	205-722	115.0	2397.8	20.9	3197.0	27.8	3996.3	34.8	42.0
		152	205-724	105.0	2394.0	22.8	3192.0	30.4	3990.0	38.0	46.0
		178	205-728	89.0	2376.3	26.7	3168.4	35.6	3960.5	44.5	53.0
		203	205-732	77.0	2344.7	30.5	3126.2	40.6	3907.8	50.8	61.0
		254	205-740	61.0	2324.1	38.1	3098.8	50.8	3873.5	63.5	76.0
		305	205-748	51.0	2333.3	45.8	3111.0	61.0	3888.8	76.3	91.0
		50	25	64	205-810	413.0	3964.8	9.6	5286.4	12.8	6608.0
76	205-812			339.0	3864.6	11.4	5152.8	15.2	6441.0	19.0	23.0
89	205-814			288.0	3844.8	13.4	5126.4	17.8	6408.0	22.3	27.0
102	205-816			245.0	3748.5	15.3	4998.0	20.4	6247.5	25.5	31.0
115	205-818			215.0	3708.8	17.3	4945.0	23.0	6181.3	28.8	35.0
127	205-820			192.0	3657.6	19.1	4876.8	25.4	6096.0	31.8	38.0
139	205-822			168.0	3502.8	20.9	4670.4	27.8	5838.0	34.8	42.0
152	205-824			154.0	3511.2	22.8	4681.6	30.4	5852.0	38.0	46.0
178	205-828			134.0	3577.8	26.7	4770.4	35.6	5963.0	44.5	53.0
203	205-832			117.0	3562.7	30.5	4750.2	40.6	5937.8	50.8	61.0
254	205-840			89.0	3390.9	38.1	4521.2	50.8	5651.5	63.5	76.0
305	205-848			73.0	3339.8	45.8	4453.0	61.0	5566.3	76.3	91.0



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EXTRA HEAVY DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS YELLOW											
Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE						
					For Optimum Life (15% of free length)		For Long Life (17% of free length)		Maximum Operating Def. (20% of free length)		*Maximum Deflection
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
A	B	C									
10	5	25	206-104	36.8	138.0	3.8	156.4	4.3	184.0	5.0	6.2
		32	206-105	27.9	133.9	4.8	151.8	5.4	178.6	6.4	8.0
		38	206-106	23.7	135.1	5.7	153.1	6.5	180.1	7.6	9.5
		44	206-107	19.2	126.7	6.6	143.6	7.5	169.0	8.8	11.0
		51	206-108	16.5	126.2	7.7	143.1	8.7	168.3	10.2	13.0
		64	206-110	13.2	126.7	9.6	143.6	10.9	169.0	12.8	16.0
		76	206-112	10.9	124.3	11.4	140.8	12.9	165.7	15.2	19.0
		305	206-148	2.6	119.0	45.8	134.8	51.9	158.6	61.0	76.0
12.5	6.3	25	206-204	58.5	219.4	3.8	248.6	4.3	292.5	5.0	6.2
		32	206-205	43.9	210.7	4.8	238.8	5.4	281.0	6.4	8.0
		38	206-206	36.0	205.2	5.7	232.6	6.5	273.6	7.6	9.5
		44	206-207	30.3	200.0	6.6	226.6	7.5	266.6	8.8	11.0
		51	206-208	26.2	200.4	7.7	227.2	8.7	267.2	10.2	13.0
		64	206-210	21.2	203.5	9.6	230.7	10.9	271.4	12.8	16.0
		76	206-212	17.1	194.9	11.4	220.9	12.9	259.9	15.2	19.0
		89	206-214	14.5	193.6	13.4	219.4	15.1	258.1	17.8	22.0
305	206-248	4.3	196.7	45.8	223.0	51.9	262.3	61.0	76.0		
16	8	25	206-304	118.0	442.5	3.8	501.5	4.3	590.0	5.0	6.2
		32	206-305	89.0	427.2	4.8	484.2	5.4	569.6	6.4	8.0
		38	206-306	72.1	411.0	5.7	465.8	6.5	548.0	7.6	9.5
		44	206-307	60.9	401.9	6.6	455.5	7.5	535.9	8.8	11.0
		51	206-308	52.3	400.1	7.7	453.4	8.7	533.5	10.2	13.0
		64	206-310	41.2	395.5	9.6	448.3	10.9	527.4	12.8	16.0
		76	206-312	34.1	388.7	11.4	440.6	12.9	518.3	15.2	19.0
		89	206-314	29.5	393.8	13.4	446.3	15.1	525.1	17.8	22.0
102	206-316	25.6	391.7	15.3	443.9	17.3	522.2	20.4	26.0		
305	206-348	8.4	384.3	45.8	435.5	51.9	512.4	61.0	76.0		
20	10	25	206-404	293.0	1098.8	3.8	1245.3	4.3	1465.0	5.0	6.2
		32	206-405	224.0	1075.2	4.8	1218.6	5.4	1433.6	6.4	8.0
		38	206-406	177.0	1008.9	5.7	1143.4	6.5	1345.2	7.6	9.5
		44	206-407	149.0	983.4	6.6	1114.5	7.5	1311.2	8.8	11.0
		51	206-408	128.0	979.2	7.7	1109.8	8.7	1305.6	10.2	13.0
		64	206-410	99.0	950.4	9.6	1077.1	10.9	1267.2	12.8	16.0
		76	206-412	81.7	931.4	11.4	1055.6	12.9	1241.8	15.2	19.0
		89	206-414	69.5	927.8	13.4	1051.5	15.1	1237.1	17.8	22.0
		102	206-416	60.6	927.2	15.3	1050.8	17.3	1236.2	20.4	26.0
		115	206-418	53.0	914.3	17.3	1036.2	19.6	1219.0	23.0	29.0
		127	206-420	47.5	904.9	19.1	1025.5	21.6	1206.5	25.4	32.0
		139	206-422	43.0	896.6	20.9	1016.1	23.6	1195.4	27.8	35.0
		152	206-424	39.0	889.2	22.8	1007.8	25.8	1185.6	30.4	40.0
		305	206-448	21.2	969.9	45.8	1099.2	51.9	1293.2	61.0	76.0
25	12.5	32	206-505	374.4	1797.1	4.8	2036.7	5.4	2396.2	6.4	8.0
		38	206-506	346.0	1972.2	5.7	2235.2	6.5	2629.6	7.6	9.5
		44	206-507	244.0	1610.4	6.6	1825.1	7.5	2147.2	8.8	11.0
		51	206-508	207.5	1587.4	7.7	1799.0	8.7	2116.5	10.2	13.0
		64	206-510	161.0	1545.6	9.6	1751.7	10.9	2060.8	12.8	16.0
		76	206-512	130.8	1491.1	11.4	1689.9	12.9	1988.2	15.2	19.0
89	206-514	110.5	1475.2	13.4	1671.9	15.1	1966.9	17.8	22.0		

GuangZhou MouldSpring Co.,Ltd.



EXTRA HEAVY DUTY DIE SPRINGS ISO SPECIFICATION SERIES METRIC DIMENSIONS YELLOW

Hole Dia. (mm)	Rod Dia. (mm)	Free Length (mm)	CATALOG NUMBER	Load at 1 mm Def. (N)	LOAD DEFLECTION TABLE							
					For Optimum Life (15% of free length)		For Long Life (17% of free length)		Maximum Operating Def. (20% of free length)		*Maximum Deflection	
					Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)	
A	B	C										
25	12.5	102	206-516	96.3	1473.4	15.3	1669.8	17.3	1964.5	20.4	26.0	
		115	206-518	85.7	1478.3	17.3	1675.4	19.6	1971.1	23.0	29.0	
		127	206-520	76.3	1453.5	19.1	1647.3	21.6	1938.0	25.4	32.0	
		152	206-524	63.5	1447.8	22.8	1640.8	25.8	1930.4	30.4	38.0	
		178	206-528	53.9	1439.1	26.7	1631.0	30.3	1918.8	35.6	44.0	
		203	206-532	47.0	1431.2	30.5	1622.0	34.5	1908.2	40.6	51.0	
		305	206-548	30.9	1413.7	45.8	1602.2	51.9	1884.9	61.0	76.0	
32	16	38	206-606	528.2	3010.7	5.7	3412.2	6.5	4014.3	7.6	9.5	
		44	206-607	424.4	2801.0	6.6	3174.5	7.5	3734.7	8.8	11.0	
		51	206-608	353.0	2700.5	7.7	3060.5	8.7	3600.6	10.2	13.0	
		64	206-610	269.2	2584.3	9.6	2928.9	10.9	3445.8	12.8	16.0	
		76	206-612	218.5	2490.9	11.4	2823.0	12.9	3321.2	15.2	19.0	
		89	206-614	180.3	2407.0	13.4	2727.9	15.1	3209.3	17.8	22.0	
		102	206-616	155.0	2371.5	15.3	2687.7	17.3	3162.0	20.4	26.0	
		115	206-618	140.0	2415.0	17.3	2737.0	19.6	3220.0	23.0	29.0	
		127	206-620	124.0	2362.2	19.1	2677.2	21.6	3149.6	25.4	32.0	
		152	206-624	102.0	2325.6	22.8	2635.7	25.8	3100.8	30.4	38.0	
		178	206-628	88.2	2354.9	26.7	2668.9	30.3	3139.9	35.6	44.0	
		203	206-632	76.0	2314.2	30.5	2622.8	34.5	3085.6	40.6	51.0	
		254	206-640	60.8	2316.5	38.1	2625.3	43.2	3088.6	50.8	64.0	
305	206-648	49.0	2241.8	45.8	2540.7	51.9	2989.0	61.0	76.0			
40	20	51	206-708	628.0	4804.2	7.7	5444.8	8.7	6405.6	10.2	13.0	
		64	206-710	487.0	4675.2	9.6	5298.6	10.9	6233.6	12.8	16.0	
		76	206-712	379.0	4320.6	11.4	4896.7	12.9	5760.8	15.2	19.0	
		89	206-714	321.0	4285.4	13.4	4856.7	15.1	5713.8	17.8	22.0	
		102	206-716	281.0	4299.3	15.3	4872.5	17.3	5732.4	20.4	26.0	
		115	206-718	245.0	4226.3	17.3	4789.8	19.6	5635.0	23.0	29.0	
		127	206-720	221.0	4210.1	19.1	4771.4	21.6	5613.4	25.4	32.0	
		152	206-724	168.0	3830.4	22.8	4341.1	25.8	5107.2	30.4	38.0	
		203	206-732	132.0	4019.4	30.5	4555.3	34.5	5359.2	40.6	51.0	
		254	206-740	107.0	4076.7	38.1	4620.3	43.2	5435.6	50.8	64.0	
305	206-748	87.8	4016.9	45.8	4552.4	51.9	5355.8	61.0	76.0			
50	25	64	206-810	709.0	6806.4	9.6	7713.9	10.9	9075.2	12.8	16.0	
		76	206-812	572.0	6520.8	11.4	7390.2	12.9	8694.4	15.2	19.0	
		89	206-814	475.0	6341.3	13.4	7186.8	15.1	8455.0	17.8	22.0	
		102	206-816	405.0	6196.5	15.3	7022.7	17.3	8262.0	20.4	26.0	
		115	206-818	352.0	6072.0	17.3	6881.6	19.6	8096.0	23.0	29.0	
		127	206-820	316.0	6019.8	19.1	6822.4	21.6	8026.4	25.4	32.0	
		152	206-824	239.0	5449.2	22.8	6175.8	25.8	7265.6	30.4	38.0	
		203	206-832	187.0	5694.2	30.5	6453.4	34.5	7592.2	40.6	51.0	
		254	206-840	153.0	5829.3	38.1	6606.5	43.2	7772.4	50.8	64.0	
		305	206-848	127.0	5810.3	45.8	6585.0	51.9	7747.0	61.0	76.0	