



Specifications & Technical Information



Specifications and Technical Information

Fork Springs

Order No.	Free Length	Outside Diameter	Rates lbs/in	kg/mm	Spacer
11-1100	21.00" (533mm)	1.10" (28mm)	45/70	.80/1.25	n/a
11-1101	20.50" (520mm)	1.08" (27mm)	30/40	.54/.71	1.75"
11-1102	20.75" (527mm)	1.19" (30mm)	45/70	.80/1.25	n/a
11-1103	19.12" (486mm)	.99" (25mm)	35/50	.63/.89	.62"
11-1104	19.12" (486mm)	.99" (25mm)	35/50	.63/.89	1.30"
11-1106	19.12" (486mm)	.99" (25mm)	35/50	.63/.89	n/a
11-1107	18.00" (457mm)	1.05" (27mm)	35/50	.63/.89	n/a
11-1108	20.75" (527mm)	.99" (25mm)	35/50	.63/.89	n/a
11-1109	19.75" (502mm)	.86" (22mm)	35/45	.63/.80	.62"
11-1110	20.50" (520mm)	1.08" (27mm)	30/40	.54/.71	n/a
11-1111	20.75" (527mm)	.99" (25mm)	35/50	.63/.89	1.30"
11-1112	20.75" (527mm)	1.19" (30mm)	45/70	.80/1.25	1.25"
11-1114	19.75" (502mm)	1.05" (27mm)	25/35	.45/.63	n/a
11-1115	19.75" (502mm)	.86" (22mm)	30/40	.54/.71	n/a
11-1116	20.75" (527mm)	.99" (25mm)	30/40	.54/.71	n/a
11-1117	22.00" (559mm)	1.07" (27mm)	30/40	.54/.71	n/a
11-1119	19.00" (484mm)	.95" (24mm)	25/35	.45/.63	n/a
11-1120	19.75" (502mm)	.90" (23mm)	35/50	.63/.89	2.12"
11-1120S	18.75" (476mm)	.90" (23mm)	35/50	.63/.89	n/a
11-1122	20.00" (508mm)	1.34" (34mm)	45/70	.80/1.25	n/a
11-1124	18.50" (470mm)	1.20" (30mm)	35/50	.63/.89	3.50"
11-1125	19.00" (483mm)	.99" (25mm)	35/50	.63/.89	.56"
11-1126	18.00" (457mm)	1.35" (34mm)	35/50	.63/.89	n/a
11-1127	22.75" (578mm)	1.28" (33mm)	30/45	.54/.80	n/a
11-1128	19.75" (502mm)	1.14" (29mm)	30/45	.54/.80	n/a
11-1129	18.50" (470mm)	1.20" (30mm)	35/50	.63/.89	n/a
11-1129S	17.50" (445mm)	1.20" (30mm)	35/50	.63/.89	n/a
11-1130	18.50" (470mm)	1.20" (30mm)	35/50	.63/.89	1.00"
11-1131	15.75" (400mm)	1.26" (32mm)	50/80	.89/1.42	5.00"
11-1132	18.50" (470mm)	1.20" (30mm)	35/50	.63/.89	2.40"
11-1133	15.75" (400mm)	1.26" (32mm)	50/80	.89/1.42	3.00"
11-1134	15.00" (381mm)	.75" (19mm)	30/40	.54/.71	n/a
11-1135	20.00" (508mm)	1.07" (27mm)	16/28	.29/.50	10.00"
11-1136	22.50" (572mm)	1.14" (29mm)	16/29	.29/.52	10.00"
11-1138	21.00" (533mm)	1.21" (31mm)	18/28	.32/.50	10.00"
11-1140	21.00" (533mm)	1.30" (33mm)	18/26	.32/.46	12.00"
11-1140UD	21.00" (533mm)	1.30" (33mm)	18/26	.32/.46	n/a
11-1141	22.50" (572mm)	1.37" (35mm)	20/30	.36/.54	10.00"
11-1143	22.50" (572mm)	1.45" (37mm)	20/30	.36/.54	10.00"
11-1143LT	22.50" (572mm)	1.45" (37mm)	18/26	.32/.46	10.00"
11-1143MX	21.87" (556mm)	1.45" (37mm)	19/23	.34/.41	10.00"
11-1144	15.50" (394mm)	1.45" (37mm)	40/65	.71/1.16	n/a
11-1145	18.00" (457mm)	1.35" (34mm)	40/65	.71/1.16	1.00"
11-1146UD	20.12" (511mm)	1.41" (36mm)	19/23	.34/.41	1.00 & .50"
11-1147UD	20.20" (513mm)	1.60" (40.6mm)	19/23	.34/.41	n/a
11-1148	14.50" (368mm)	1.45" (37mm)	40/65	.71/1.16	n/a
11-1149	20.75" (527mm)	1.37" (35mm)	20/30	.36/.54	n/a
11-1150	22.75" (578mm)	1.28" (33mm)	30/45	.54/.80	n/a
11-1151	22.50" (572mm)	1.21" (31mm)	25/40	.45/.71	n/a
11-1152	20.50" (521mm)	1.35" (34mm)	35/80	.63/1.42	n/a
11-1153	17.50" (445mm)	1.20" (30mm)	35/50	.63/.89	.56"
11-1501UD	21.00" (533mm)	1.37" (35mm)	20/24	.36/.43	n/a
11-1502UD	18.50" (470mm)	1.41" (36mm)	19/23	.34/.41	n/a
11-1503UD	20.20" (513mm)	1.60" (40.6mm)	19/23	.34/.41	n/a
11-1504UD	19.12" (486mm)	1.50" (38mm)	19/23	.34/.41	1.00"
11-1505UD	18.50" (470mm)	1.50" (38mm)	19/23	.34/.41	n/a
11-1506	22.50" (572mm)	1.35" (34mm)	30/40	.59/.71	10.00"
11-1507	14.50" (368mm)	1.57" (40mm)	45/65	.80/1.16	n/a
11-1509	18.00" (457mm)	1.28" (32.5mm)	35/60	.63/1.07	4.25"
11-1510	22.50" (572mm)	1.45" (37mm)	25/35	.45/.63	10.00"
11-1511	16.50" (419mm)	1.40" (35.5mm)	40/65	.71/1.16	n/a
11-1512	20.00" (508mm)	1.45" (37mm)	20/30	.36/.54	10.00"
11-1513	12.50" (318mm)	1.60" (40.6mm)	40/70	.71/1.25	n/a
11-1515	18.20" (462mm)	1.50" (38mm)	20/26	.36/.46	n/a
11-1517	18.10" (460mm)	1.62" (41mm)	24/26	.43/.46	n/a
11-1518	20.13" (511mm)	1.71" (43.4mm)	25/27	.45/.48	2.62"



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Fork Springs <i>(continued)</i>							
11-1519	20.00"	(508mm)	1.53"	(38.9mm)	26/28	.46/.50	n/a
11-1520	12.50"	(318mm)	1.60"	(40.6mm)	35/50	.63/.89	n/a
11-1521	13.37"	(340mm)	1.45"	(37mm)	40/65	.71/1.16	n/a
11-1523	18.50"	(470mm)	1.20"	(30mm)	35/50	.63/.89	2.00"
11-1525	18.00"	(457mm)	1.71"	(43.4mm)	35/50	.63/.89	4.63
11-1526	14.50"	(368mm)	1.45"	(37mm)	40/65	.71/1.16	n/a

*Inside Diameter

12 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts
12-1200B	12.00"(305mm)	9.00" (229mm)	3.00" (76mm)	E/E
12-1201B	12.50"(317mm)	9.00" (229mm)	3.50" (89mm)	E/E
12-1202B	13.00"(330mm)	9.10" (231mm)	3.90" (99mm)	E/E
12-1203B	13.50"(343mm)	9.30" (236mm)	4.20" (107mm)	E/E
12-1204B	13.00"(330mm)	9.40" (239mm)	3.60" (91mm)	E/C
12-1205B	14.00"(356mm)	10.20" (259mm)	3.80" (97mm)	E/C
12-1206B	14.25"(362mm)	10.40" (264mm)	3.80" (97mm)	E/E
12-1206BH	14.25"(362mm)	10.40" (264mm)	3.80" (97mm)	E/E
12-1207B	13.50"(343mm)	10.70" (272mm)	2.80" (71mm)	E/E
12-1209B	12.50"(317mm)	9.00" (229mm)	3.50" (89mm)	E/E
12-1210B	13.00"(330mm)	9.10" (231mm)	3.90" (99mm)	E/E
12-1214B	13.50"(343mm)	9.30" (236mm)	4.20" (107mm)	E/E
12-1215B	11.50"(292mm)	9.00" (229mm)	2.50" (63mm)	E/E
12-1215BH	11.50"(292mm)	9.00" (229mm)	2.50" (63mm)	E/E

Progressive Rate Springs For 12/412 Series Street Shocks

Order No.	Rate lbs/in	kg/mm	Length	Inside Dia***	Notes
03-1300B	65/100	1.16/1.79	9.37" (238mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1310B/C	90/130	1.61/2.32	7.12" (181mm)	1.85" (47mm)	Fits 11.00"
03-1312B/C	75/120	1.34/2.14	8.50" (216mm)	1.85" (47mm)	Fits 11.50" & 12.00"
03-1313B/C	115/155	2.05/2.77	7.12" (181mm)	1.85" (47mm)	Fits 11.00"
03-1318B/C	140/200	2.50/3.57	9.75" (248mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1364B/C	140/190	2.50/3.39	10.20" (259mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1365B/C	120/170	2.14/3.04	9.87" (251mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1367B/C	95/140	1.70/2.50	9.37" (238mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1368B/C	105/150	1.88/2.68	9.37" (238mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"
03-1370B/C	90/130	1.61/2.32	8.50" (216mm)	1.85" (47mm)	Fits 11.50" & 12.00"
03-1375C	115/155	2.05/2.77	8.50" (216mm)	1.85" (47mm)	Fits 11.50" & 12.00"
03-1394B/C	75/120	1.34/2.14	9.75" (248mm)	1.85" (47mm)	Fits 12.50", 13.00", 13.50" & 14.25"

Springs below are single springs

03-1314-20B/30	270/315	4.82/5.63	8.37" (213mm)	1.85" (47mm)	Fits 12.62"
03-1315-20B/30	125/170	2.23/3.04	8.75" (222mm)	1.85" (47mm)	Fits 11.50" & 12.00"
03-1317-20B/30	270/315	4.82/5.63	7.75" (197mm)	1.85" (47mm)	Fits 12.00"
1362-20B/30	300/350	5.36/6.25	7.62" (194mm)	1.80" (46mm)	Fits 12.00"
1369-20B/30	300/350	5.36/6.25	6.62" (168mm)	1.80" (46mm)	Fits 11.00"

Straight Rate Springs for 12/412 Series Shocks

Order No.	Rate	kg/mm	Length	Inside Dia.***
03-1385B	55 lb/in	0.98	9.00" (229mm)	1.85" (47mm)
03-1386B	65 lb/in	1.16	9.00" (229mm)	1.85" (47mm)
03-1387B	75 lb/in	1.34	9.00" (229mm)	1.85" (47mm)
03-1389B	90 lb/in	1.61	9.00" (229mm)	1.85" (47mm)
03-1391B	110 lb/in	1.96	9.00" (229mm)	1.85" (47mm)
03-1392B	120 lb/in	2.14	9.00" (229mm)	1.85" (47mm)



Specifications and Technical Information

412 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
412-4001B/C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
412-4002B/C	13.00" (330mm)	9.37" (238mm)	3.63" (92mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
412-4003B/C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
412-4004B/C	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
412-4005B/C	11.00" (279mm)	9.20" (234mm)	1.80" (45mm)	E/E	03-1310B/C	90/130 lb/in	1.61/2.32
412-4006B/C	11.50" (292mm)	9.20" (234mm)	2.30" (58mm)	E/E	03-1370B/C	90/130 lb/in	1.61/2.32
412-4007B/C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1394B/C	70/120 lb/in	1.25/2.14
412-4008B/C	13.00" (330mm)	9.37" (238mm)	3.62" (92mm)	E/E	03-1394B/C	70/120 lb/in	1.25/2.14
412-4009B/C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1394B/C	70/120 lb/in	1.25/2.14
412-4010B	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1368B	105/150 lb/in	1.88/2.68
412-4011C	11.50" (292mm)	9.00" (229mm)	2.50" (63mm)	E/E	03-1375C	115/155 lb/in	2.05/2.77
412-4012C	14.25" (362mm)	12.25" (311mm)	2.00" (51mm)	E/E	03-1311-30	160/190 lb/in	2.86/3.39
412-4013C	12.00" (305mm)	10.30" (262mm)	1.70" (43mm)	E/E	1362-30	300/350 lb/in	5.36/6.25
412-4014B	14.25" (362mm)	10.30" (262mm)	3.90" (99mm)	E/E	1396-20B	200/350 lb/in	3.57/6.25
412-4015B	14.00" (355mm)	10.00" (254mm)	4.00" (101mm)	E/E	1363-20B	270/345 lb/in	4.82/6.16
412-4016B	13.25" (336mm)	10.00" (254mm)	3.20" (82mm)	E/E	1371-20B	245/340 lb/in	4.38/6.07
412-4016L	13.25" (336mm)	10.00" (254mm)	3.20" (82mm)	E/E	1396-20B	200/350 lb/in	3.57/6.25
412-4018C	13.60" (345mm)	11.60" (295mm)	2.00" (51mm)	E/E	03-1311-30	160/190 lb/in	2.86/3.39
412-4019B/C	12.50" (317mm)	9.00" (229mm)	3.50" (89mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
412-4020B/C	13.00" (330mm)	9.10" (231mm)	3.90" (99mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
412-4021B/C	13.50" (343mm)	9.30" (236mm)	4.20" (107mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
412-4022B/C	11.00" (279mm)	8.70" (221mm)	2.30" (58mm)	E/E	03-1313-20B/30	115/155 lb/in	2.05/2.77
412-4023B	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1365B	120/170 lb/in	2.14/3.04
412-4024B/C	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1394B/C	70/120 lb/in	1.25/2.14
412-4026B	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	1396-20B	200/350 lb/in	3.57/6.25
412-4027B	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1365B	120/170 lb/in	2.14/3.04
412-4029C	13.60" (345mm)	11.60" (295mm)	2.00" (51mm)	E/E	1371-20B	245/340 lb/in	4.38/6.07
412-4030C	11.00" (279mm)	9.40" (239mm)	1.60" (40mm)	E/E	1369-30	300/350 lb/in	5.36/6.25
412-4035C	12.00" (305mm)	10.30" (262mm)	1.70" (43mm)	E/E	1362-20B	300/350 lb/in	5.36/6.25
412-4036C	12.00" (305mm)	9.84" (250mm)	2.16" (55mm)	E/E	1436-30	210/250 lb/in	3.75/4.46
412-4037C	11.00" (279mm)	9.70" (246mm)	1.30" (33mm)	E/E	1437-30	230/275 lb/in	4.11/4.91
412-4038C	12.63" (321mm)	10.24" (260mm)	2.40" (61mm)	E/E	1442-30	210/250 lb/in	3.75/4.46
412-4041C	11.00" (279mm)	9.70" (246mm)	1.30" (33mm)	E/E	1437-30	230/275 lb/in	4.11/4.91
412-4042C	12.00" (305mm)	9.84" (250mm)	2.16" (55mm)	E/E	1436-30	210/250 lb/in	3.75/4.46
412-4043C	11.00" (279mm)	9.40" (239mm)	1.60" (40mm)	E/E	1369-30	300/350 lb/in	5.36/6.25
412-4044C	12.00" (305mm)	10.20" (259mm)	1.80" (46mm)	E/E	1362-30	300/350 lb/in	5.36/6.25
412-4045C	11.00" (279mm)	9.90" (251mm)	1.10" (28mm)	E/E	1369-30	300/350 lb/in	5.36/6.25
412-4046C	12.00" (305mm)	10.20" (259mm)	1.80" (46mm)	E/E	1362-30	300/350 lb/in	5.36/6.25
412-4047C	11.00" (279mm)	9.90" (251mm)	1.10" (28mm)	E/E	1369-30	300/350 lb/in	5.36/6.25
412-4048B/C	12.63" (321mm)	10.20" (259mm)	2.40" (61mm)	E/E	03-1314-20B/30	270/315 lb/in	4.82/5.63
412-4049B/C	12.00" (305mm)	9.00" (229mm)	3.00" (76mm)	E/E	03-1370B/C	90/130 lb/in	1.61/2.32
412-4050C	12.00" (305mm)	9.00" (229mm)	3.00" (76mm)	E/E	03-1375C	115/155 lb/in	2.05/2.77
412-4051B/C	12.00" (305mm)	10.32" (262mm)	1.68" (43mm)	E/E	03-1315-20B/30	125/170 lb/in	2.23/3.04
412-4052B/C	12.50" (317mm)	10.32" (262mm)	2.18" (55mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
412-4053B/C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
412-4054B/C	12.50" (317mm)	10.32" (262mm)	2.18" (55mm)	E/E	03-1318B/C	140/200 lb/in	2.50/3.57
412-4055B/C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	03-1318B/C	140/200 lb/in	2.50/3.57
412-4200C	11.50" (292mm)	9.20" (234mm)	2.30" (58mm)	E/E	03-1370C	90/130 lb/in	1.61/2.32
412-4201C	11.50" (292mm)	9.20" (234mm)	2.30" (58mm)	E/E	03-1375C	115/155 lb/in	2.05/2.77
412-4202C	11.50" (292mm)	9.45" (240mm)	2.05" (52mm)	E/E	1442-30	210/250 lb/in	3.75/4.46
412-4203C	11.50" (292mm)	9.20" (234mm)	2.30" (58mm)	E/E	03-1375C	115/155 lb/in	2.05/2.77
412-4204C	11.00" (279mm)	9.70" (246mm)	1.30" (33mm)	E/E	1437-30	230/275 lb/in	4.11/4.91
412-4205C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1394C	70/120 lb/in	1.25/2.14
412-4206C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1367C	95/140 lb/in	1.70/2.50
412-4207C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1368C	105/150 lb/in	1.88/2.68
412-4208C	12.50" (317mm)	9.20" (234mm)	3.30" (84mm)	E/E	03-1368C	105/150 lb/in	1.88/2.68
412-4209C	12.50" (317mm)	9.45" (240mm)	3.05" (77mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4210C	13.00" (330mm)	9.37" (238mm)	3.63" (92mm)	E/E	03-1394C	70/120 lb/in	1.25/2.14
412-4211C	13.00" (330mm)	9.37" (238mm)	3.63" (92mm)	E/E	03-1367C	95/140 lb/in	1.70/2.50
412-4212C	13.00" (330mm)	9.37" (238mm)	3.63" (92mm)	E/E	03-1368C	105/150 lb/in	1.88/2.68
412-4213C	13.00" (330mm)	9.62" (244mm)	3.38" (86mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4214C	12.50" (317mm)	9.00" (229mm)	3.50" (89mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4215C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1368C	105/150 lb/in	1.88/2.68
412-4216C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1394C	70/120 lb/in	1.25/2.14
412-4217C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1367C	95/140 lb/in	1.70/2.50



Specifications and Technical Information

412 Series Shocks (continued)

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
412-4218C	13.00" (330mm)	9.10" (231mm)	3.90" (99mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4219C	12.50" (317mm)	9.55" (243mm)	2.95" (75mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4220C	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1367C	95/140 lb/in	1.70/2.50
412-4221C	13.00" (330mm)	9.65" (245mm)	3.35" (85mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4222C	13.00" (330mm)	9.37" (238mm)	3.63" (92mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4223C	13.50" (343mm)	9.58" (243mm)	3.92" (100mm)	E/E	03-1364B	140/190 lb/in	2.50/3.39
412-4224C	13.00" (330mm)	9.50" (241mm)	3.50" (89mm)	E/C	03-1365B	120/170 lb/in	2.14/3.04
412-4226C	14.25" (362mm)	10.30" (262mm)	3.95" (100mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4227C	12.00" (305mm)	9.00" (229mm)	3.00" (76mm)	E/E	03-1370C	90/130 lb/in	1.61/2.32
412-4228C	12.00" (305mm)	9.00" (229mm)	3.00" (76mm)	E/E	03-1375C	115/155 lb/in	2.05/2.75
412-4229C	12.00" (305mm)	9.50" (241mm)	2.50" (63mm)	E/E	1442-30	210/250 lb/in	3.75/4.46
412-4230C	11.50" (292mm)	9.50" (241mm)	2.00" (51mm)	E/E	03-1314-30	270/315 lb/in	4.82/5.63
412-4231C	11.00" (279mm)	9.70" (246mm)	1.30" (33mm)	E/E	1369-30	300/350 lb/in	5.36/6.25
412-4232C	11.00" (279mm)	9.20" (234mm)	1.80" (45mm)	E/E	03-1310-30	90/130 lb/in	1.61/2.32
412-4233C	11.00" (279mm)	9.20" (234mm)	1.80" (45mm)	E/E	03-1313-30	115/155 lb/in	2.05/2.77
412-4234C	12.00" (305mm)	9.50" (241mm)	2.50" (63mm)	E/E	03-1314-30	270/315 lb/in	4.82/5.63
412-4235C	11.50" (292mm)	9.00" (229mm)	2.50" (63mm)	E/E	03-1312C	75/120 lb/in	1.34/2.14
412-4236C	11.50" (292mm)	9.00" (229mm)	2.50" (63mm)	E/E	03-1315C	125/170 lb/in	2.23/3.04
412-4237C	12.00" (305mm)	9.00" (229mm)	2.50" (63mm)	E/E	03-1312C	75/120 lb/in	1.34/2.14
412-4238C	12.00" (305mm)	9.00" (229mm)	2.50" (63mm)	E/E	03-1315C	125/170 lb/in	2.23/3.04
412-4239C	12.00" (305mm)	10.32" (262mm)	1.68" (43mm)	E/E	1442-30	210/250 lb/in	3.75/4.46
412-4240C	12.50" (317mm)	10.32" (262mm)	2.18" (55mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4241C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4242C	13.50" (343mm)	10.20" (259mm)	3.30" (84mm)	E/E	03-1365C	120/170 lb/in	2.14/3.04
412-4243C	12.00" (305mm)	10.32" (262mm)	1.68" (43mm)	E/E	03-1314-30	270/315 lb/in	4.82/5.63
412-4244C	12.50" (317mm)	10.32" (262mm)	2.18" (55mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4245C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
412-4246C	13.50" (343mm)	10.20" (259mm)	3.30" (84mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57

* Metal to Metal

13 Series Shocks

Order No.	E/E Length	Compressed Length*	Travel*
13-1240B	15.00" (381mm)	9.80" (249mm)	5.2" (132mm)
13-1241B	16.50" (419mm)	10.60" (269mm)	5.9" (150mm)
13-1242B	17.50" (445mm)	11.10" (282mm)	6.4" (163mm)
13-1243B	15.75" (400mm)	10.70" (272mm)	5.1" (130mm)

Progressive Rate Dual Springs for 13 Series Shocks

Order No.	Spring Rate	kg/mm	Length
03-1321B	65/130 lb/in	1.16/2.32	12.00" (305mm)
03-1322B	75/155 lb/in	1.34/2.77	12.00" (305mm)
03-1323B	80/175 lb/in	1.43/3.13	12.00" (305mm)
03-1324B	90/195 lb/in	1.61/3.48	12.00" (305mm)
03-1325B	140/290 lb/in	2.50/5.18	11.75" (298mm)

Note: Springs listed above will only fit 13-1240B (15"), 13-1241B (16.5") & 13-1243B (15.75") shocks.

03-1331B	70/130 lb/in	1.25/2.32	13.00" (330mm)
03-1333B	85/170 lb/in	1.52/3.04	13.00" (330mm)

Note: Springs listed above will only fit 13-1242B (17.5")

* Metal to Metal

*** Note: All springs have a reduced coil I.D. of 1.55" on one end to fit our retaining clip.



Specifications and Technical Information

413 Series Shocks

Order No.	Free Length In. (mm)	Compressed Length In. (mm)	Travel In. (mm)	Mnts	Springs Installed	Rate lbs/in	kg/mm
413-4011B	14.12" (359)	10.72" (272)	3.40" (86)	—	1361-20B	250	4.46
413-4019B	15.00" (381)	10.55" (268)	4.45" (113)	E/E	03-1364B	90/195	1.61/3.48
413-4025B	15.75" (400)	10.70" (272)	5.10" (130)	E/E	03-1325B	140/290	2.50/5.18
413-4028B	15.00" (381)	9.80" (249)	5.20" (132)	E/E	1397-20B & 1402-20B	120/175	2.14/3.13
413-4039B	15.00" (381)	9.80" (249)	5.20" (132)	E/E	03-1321B	60/130	1.07/2.32
413-4040B	15.75" (400)	10.70" (272)	5.10" (130)	E/E	03-1321B	60/130	1.07/2.32

14 Series Shocks

Order No.	Free Length	Compressed Length	Travel	Mounts
14-1282B	12.50" (317mm)	8.98" (228mm)	3.52" (89mm)	E/E
14-1283B	13.00" (330mm)	9.25" (235mm)	3.75" (95mm)	E/E
14-1284B	13.50" (343mm)	9.92" (252mm)	3.58" (91mm)	E/E
14-1285B	13.23" (336mm)	9.52" (242mm)	3.71" (94mm)	E/C

Progressive Rate Springs for 14 Series Shocks

Order No.	Rate lbs/in	kg/mm	Length	Inside Dia
02-1351B/C	70/100 lb/in	1.25/1.79	9.00" (229mm)	1.55" (39mm)
02-1352B/C	80/120 lb/in	1.43/2.14	9.00" (229mm)	1.55" (39mm)
02-1353B/C	90/130 lb/in	1.61/2.32	9.00" (229mm)	1.55" (39mm)
02-1354B/C	100/140 lb/in	1.79/2.50	9.00" (229mm)	1.55" (39mm)

416 Series Airshocks

Sport Tuned (Light Spgs.) Order No.	Tour Tuned (Heavy Spgs.) Order No.	Tour Tuned (Super H/D Spgs.) Order No.	Free Length	Mounts	Sport Tuned (Light Spgs.) Order No.	Tour Tuned (Heavy Spgs.) Order No.	Tour Tuned (Super H/D Spgs.) Order No.	Free Length	Mounts
416-1601A	416-1621A		12.66" (322mm)	E/E	416-1607A (Harley)			12.66" (322mm)	E/E
		416-1631A	12.92" (328mm)	E/E	416-1608A (Harley)			12.92" (328mm)	E/E
416-1602A		416-1622A	12.92" (328mm)	E/E	416-1609A (Harley)			13.42" (341mm)	E/E
416-1603A	416-1623A		13.42" (341mm)	E/E	416-1627A			12.92" (328mm)	E/E
416-1604A	416-1624A	416-1634A	13.00" (330mm)	E/C	416-1640A (Harley)			12.16" (309mm)	E/E
416-1605A	416-1625A		14.23" (361mm)	E/C					
416-1606A		416-1626A	13.90" (353mm)	E/E					
		416-1633A	13.42" (341mm)	E/E					

18 Series Shocks

Order No.	Free Length	Compressed Length	Travel	Mounts
18-1003	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E
18-1004	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E*
18-1005	12.50" (317mm)	9.47" (241mm)	3.00" (76mm)	E/E
18-1006	12.50" (317mm)	9.47" (241mm)	3.00" (76mm)	E/E*
18-1007	13.50" (343mm)	9.97" (253mm)	3.50" (89mm)	E/E
18-1010	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E

18 Series Shocks (top eye centered)

Order No.	Free Length	Compressed Length	Travel	Mounts
18-2003	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E
18-2004	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E*
18-2005	12.50" (317mm)	9.47" (241mm)	3.00" (76mm)	E/E
18-2006	12.50" (317mm)	9.47" (241mm)	3.00" (76mm)	E/E*
18-2007	13.50" (343mm)	9.97" (253mm)	3.50" (89mm)	E/E
18-2010	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E

* Heavy Damping



Specifications and Technical Information

Progressive Rate Springs for 18/418 Series Shocks

Order No.	Rate lbs/in	kg/mm	Length	Inside Diameter	Notes
04-1450B/C	75/120	1.33/2.14	9.25" (235mm)	1.94" (49mm)	Fits 12.50" & 13.50"
04-1451B/C	90/130	1.61/2.32	9.25" (235mm)	1.94" (49mm)	Fits 12.50" & 13.50"
04-1452B/C	105/150	1.88/2.68	9.25" (235mm)	1.94" (49mm)	Fits 12.50" & 13.50"
04-1453B/C	90/130	1.61/2.32	8.13" (207mm)	1.94" (49mm)	Fits 11.50" & 12.00"
04-1454B/C	115/155	2.05/2.77	8.13" (207mm)	1.94" (49mm)	Fits 11.50" & 12.00"
04-1455B/C	230/275	4.11/4.91	8.13" (207mm)	1.94" (49mm)	Fits 11.50" & 12.00"
04-1456B/C	210/250	3.75/4.46	9.00" (229mm)	1.94" (49mm)	Fits 12.50" & 13.50"
04-1457B	65/75	1.16/1.34	8.62" (219mm)	1.94" (49mm)	Fits 12.50" & 13.50"
04-1458B/C	300/350	5.36/6.25	7.75" (197mm)	1.94" (49mm)	Fits 11.50" & 12.00"
04-1459B/C	120/170	2.14/3.04	9.25" (235mm)	1.94" (49mm)	Fits 12.50", 13.00" & 13.50"
04-1460B/C	145/180	2.59/3.21	9.50" (241mm)	1.94" (49mm)	Fits 12.50", 13.00" & 13.50"
04-1461B	75/90	1.33/1.61	8.50" (216mm)	1.94" (49mm)	Fits 12.50", 13.00" & 13.50"

418 Series Shocks

Order No.	Free Length	Compressed Length	Travel	Mounts	Springs Installed	Rate lbs/in	kg/mm
418-1001B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	04-1453B/C	90/130 lb/in	1.61/2.32
418-1002B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	04-1454B/C	115/155 lb/in	2.05/2.77
418-1003B/C	11.50" (292mm)	9.60" (244mm)	1.90" (48mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-1004B/C	12.00" (305mm)	9.95" (253mm)	2.05" (52mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-1005B/C	12.50" (317mm)	9.47" (240mm)	3.03" (77mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-1006B/C	12.50" (317mm)	9.47" (240mm)	3.03" (77mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-1007B/C	12.50" (317mm)	9.47" (240mm)	3.03" (77mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-1009B/C	13.50" (343mm)	9.97" (253mm)	3.53" (90mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-1010B/C	13.50" (343mm)	9.97" (253mm)	3.53" (90mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-1011B/C	13.50" (343mm)	9.97" (253mm)	3.53" (90mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-1012B/C	12.50" (317mm)	9.97" (253mm)	2.53" (64mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1013B/C	13.00" (330mm)	9.95" (253mm)	3.05" (77mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1015B/C	11.50" (292mm)	9.60" (244mm)	1.90" (48mm)	E/E	04-1458B/C	300/350 lb/in	5.36/6.25
418-1016B/C	12.50" (317mm)	9.47" (241mm)	3.00" (76mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1017B/C	13.50" (343mm)	9.97" (253mm)	3.50" (89mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1018B/C	13.50" (343mm)	9.97" (253mm)	3.50" (89mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-1019B/C	12.50" (317mm)	9.97" (253mm)	2.53" (64mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-1020B/C	13.00" (330mm)	9.95" (253mm)	3.05" (77mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-1021B/C	12.00" (305mm)	9.20" (234mm)	2.80" (71mm)	E/E	04-1453B/C	90/130 lb/in	1.61/2.32
418-1022B/C	12.00" (305mm)	9.20" (234mm)	2.80" (71mm)	E/E	04-1454B/C	115/155 lb/in	2.05/2.77
418-1023B/C	12.00" (305mm)	9.70" (246mm)	2.30" (58mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-1024B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-1025B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-1026B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-1027B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1028B/C	12.50" (317mm)	9.97" (253mm)	2.53" (64mm)	E/E	04-1456B/C	210/250 lb/in	3.75/4.46
418-1029B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-1030B/C	12.00" (305mm)	10.18" (259mm)	1.82" (46mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-1031B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1032B/C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1033B/C	13.50" (343mm)	10.22" (260mm)	3.28" (83mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-1034B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-1035B/C	13.00" (330mm)	10.20" (259mm)	2.80" (71mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-1036B/C	13.50" (343mm)	10.22" (260mm)	3.28" (83mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-4801B/C	12.50" (317mm)	9.47" (241mm)	3.03" (76mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-4802B/C	12.50" (317mm)	9.47" (241mm)	3.03" (76mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-4803B/C	13.50" (343mm)	9.97" (253mm)	3.53" (89mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-4804B/C	13.50" (343mm)	9.97" (253mm)	3.50" (89mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68
418-4806B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	04-1453B/C	90/130 lb/in	1.61/2.32
418-4807B/C	12.50" (317mm)	9.47" (240mm)	3.03" (77mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-4809B/C	13.50" (343mm)	9.97" (253mm)	3.53" (90mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-4811B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	04-1454B/C	115/155 lb/in	2.05/2.77
418-4812B/C	12.00" (305mm)	9.20" (234mm)	2.80" (71mm)	E/E	04-1453B/C	90/130 lb/in	1.61/2.32
418-4813B/C	12.00" (305mm)	9.70" (246mm)	2.30" (58mm)	E/E	04-1458B/C	300/350 lb/in	5.36/6.25
418-4814B/C	12.00" (305mm)	9.20" (234mm)	2.80" (71mm)	E/E	04-1454B/C	115/155 lb/in	2.05/2.77
418-4815B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1450B/C	75/120 lb/in	1.33/2.14
418-4816B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1451B/C	90/130 lb/in	1.61/2.32
418-4817B/C	13.00" (330mm)	9.70" (246mm)	3.30" (84mm)	E/E	04-1452B/C	105/150 lb/in	1.88/2.68



Specifications and Technical Information

418 Series Shocks (continued)

418-4819B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	04-1459B/C	120/170 lb/in	2.14/3.04
418-4821B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	04-1460B/C	145/180 lb/in	2.59/3.21
418-4836B/C	12.00" (305mm)	9.95" (253mm)	2.05" (52mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-4837B/C	11.50" (292mm)	9.85" (250mm)	1.65" (42mm)	E/E	04-1455B/C	230/275 lb/in	4.11/4.91
418-4838B/C	12.50" (317mm)	9.97" (253mm)	2.53" (64mm)	E/E	04-1456B/C	210/250 lb/in	3.75/4.46
418-4839B/C	11.50" (292mm)	9.60" (244mm)	1.90" (48mm)	E/E	04-1458B/C	300/350 lb/in	5.36/6.25
418-4844B/C	12.00" (305mm)	9.95" (253mm)	2.05" (52mm)	E/E	04-1458B/C	300/350 lb/in	5.36/6.25
418-4845B/C	11.50" (292mm)	9.85" (250mm)	1.65" (42mm)	E/E	04-1458B/C	300/350 lb/in	5.36/6.25

20/420 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
20-1012	12.00" (305mm)	10.47" (266mm)	1.53" (39mm)	E/E	n/a		
420-1001	14.00" (356mm)	10.45" (265mm)	3.55" (90mm)	E/E	1155-20B	250/310	4.46/5.54
420-1002	11.90" (277mm)	9.90" (251mm)	2.00" (51mm)	E/C	1191-20R	500	8.93
420-1003	11.50" (292mm)	9.50" (241mm)	2.00" (51mm)	E/E	1154-20R	800/900	14.29/16.07
420-1004	11.50" (292mm)	9.50" (241mm)	2.00" (51mm)	E/E	1181-20B	850/1200	15.18/21.43
420-1005	11.00" (279mm)	9.00" (229mm)	2.00" (51mm)	E/E	1154-20R	800/900	14.29/16.07
420-1006	15.20" (386mm)	11.93" (303mm)	3.27" (83mm)	E/C	1160-20GT	600/700	10.71/12.50
420-1007	14.60" (371mm)	11.96" (304mm)	2.64" (67mm)	E/C	1163-20GT	850	15.18
420-1008	17.20" (437mm)	12.55" (319mm)	4.65" (118mm)	E/C	1193-20GT	350/390	6.25/6.96
420-1009	15.20" (386mm)	11.93" (303mm)	3.27" (83mm)	E/C	1182-20GT	480/520	8.57/9.29
420-1010	14.90" (378mm)	11.63" (295mm)	3.27" (83mm)	E/C	1160-20GT	600/700	10.71/12.50
420-1011	15.00" (381mm)	11.73" (300mm)	3.27" (83mm)	E/C	1160-20GT	600/700	10.71/12.50
420-1013	11.90" (302mm)	9.90" (251mm)	2.00" (51mm)	E/C	1165-20R	500/600	8.93/10.71
420-1014	11.30" (287mm)	9.30" (236mm)	2.00" (51mm)	E/E	1154-20R	800/900	14.29/16.07
420-1015	11.20" (284mm)	9.20" (234mm)	2.00" (51mm)	E/E	1198-20B	700	12.50
420-1016	13.20" (335mm)	10.56" (268mm)	2.64" (67mm)	E/C	1198-20B	700	12.50
420-1017	12.40" (315mm)	9.85" (250mm)	2.55" (65mm)	E/C	1152-20R	360	6.43
420-1018	16.30" (414mm)	13.85" (352mm)	2.45" (62mm)	E/E	1191-20R	500	8.93
420-1019	15.00" (381mm)	11.20" (284mm)	3.80" (97mm)	E/E	1155-20B	250/310	4.46/5.54
420-1020	17.90" (455mm)	13.25" (337mm)	4.65" (118mm)	E/C	1193-20GT	350/390	6.25/6.96
420-1021	10.70" (272mm)	8.80" (224mm)	1.90" (48mm)	E/E	1154-20R	800/900	14.29/16.07
420-1023	14.90" (378mm)	11.95" (304mm)	2.95" (75mm)	E/E	1157-20GT	560	10.00
420-1025	13.20" (335mm)	10.25" (260mm)	2.95" (75mm)	E/E	1155-20B	250/310	4.46/5.54
420-1026	15.00" (381mm)	11.73" (298mm)	3.27" (83mm)	E/C	1160-20GT	600/700	10.71/12.50
420-1027	11.30" (287mm)	9.30" (236mm)	2.00" (51mm)	E/C	1154-20R	800/900	14.29/16.07
420-1028	13.40" (340mm)	10.45" (265mm)	2.95" (75mm)	E/E	1156-20B	375/465	6.70/8.30
420-1029	16.50" (419mm)	12.95" (329mm)	3.55" (90mm)	E/C	1186-20GT	350/450	6.25/8.04
420-1030	16.00" (406mm)	12.20" (310mm)	3.80" (97mm)	E/C	1159-20GT	500/560	8.93/10.00
420-1031	19.50" (495mm)	16.55" (420mm)	2.95" (75mm)	E/E	1157-20B	560	10.00
420-1032	12.40" (315mm)	10.50" (267mm)	1.90" (48mm)	E/C	1181-20B	850/1200	15.18/21.43
420-1033	14.20" (361mm)	10.65" (271mm)	3.55" (90mm)	E/E	1156-20B	375/465	6.70/8.30
420-1034	10.90" (277mm)	8.90" (226mm)	2.00" (51mm)	E/E	1154-20R	800/900	14.29/16.07
420-1035	10.40" (264mm)	8.87" (225mm)	1.53" (39mm)	E/E	1154-20R	800/900	14.29/16.07
420-1036	12.70" (323mm)	10.70" (272mm)	2.00" (51mm)	E/E	1181-20B	850/1200	15.18/21.43
420-1037	11.80" (300mm)	9.58" (243mm)	2.22" (56mm)	E/C	1158-20B	400/500	7.14/8.04
420-1038	12.90" (328mm)	10.45" (265mm)	2.45" (62mm)	E/E	1156-20B	375/465	6.70/8.30
420-1039	12.10" (307mm)	9.88" (251mm)	2.22" (56mm)	E/C	1154-20R	800/900	14.29/16.07
420-1040	11.60" (295mm)	9.85" (250mm)	1.75" (44mm)	E/C	1154-20R	800/900	14.29/16.07
420-1041	13.50" (343mm)	11.28" (287mm)	2.22" (56mm)	E/C	1165-20R	500/600	8.93/10.71
420-1042	14.20" (361mm)	11.25" (286mm)	2.95" (75mm)	E/E	1155-20B	250/310	4.46/5.54
420-1043	11.80" (300mm)	9.58" (243mm)	2.22" (56mm)	E/C	1191-20R	500	8.93
420-1044	15.60" (396mm)	12.20" (310mm)	3.40" (86mm)	E/C	1159-20GT	500/560	8.93/10.00
420-1045	13.20" (335mm)	10.75" (273mm)	2.45" (62mm)	E/C	1177-20GT	650/700	11.61/12.50
420-1046	12.00" (305mm)	9.78" (248mm)	2.22" (56mm)	E/C	1158-20B	400/450	7.14/8.04
420-1047	11.60" (295mm)	9.60" (244mm)	2.00" (51mm)	E/C	1158-20B	400/450	7.14/8.04
420-1048	12.20" (310mm)	10.30" (262mm)	1.90" (48mm)	E/C	1158-20B	400/450	7.14/8.04
420-1049	11.50" (292mm)	9.97" (253mm)	1.53" (39mm)	E/C	1158-20B	400/450	7.14/8.04
420-1050	12.80" (325mm)	10.80" (274mm)	2.00" (51mm)	E/C	1165-20R	500/600	8.93/10.71
420-1051	11.70" (297mm)	9.70" (246mm)	2.00" (51mm)	E/C	1198-20B	700	12.50
420-1052	11.10" (282mm)	9.57" (243mm)	1.53" (39mm)	E/C	1198-20B	700	12.50



Specifications and Technical Information

440 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
440-4001B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1370B/C	90/130 lb/in	1.61/2.32
440-4002B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
440-4003B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
440-4005B/C	11.00" (279mm)	8.87" (225mm)	2.13" (54mm)	E/E	03-1310B/C	90/130 lb/in	1.61/2.32
440-4006B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	03-1310B/C	90/130 lb/in	1.61/2.32
440-4007B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1312-20B/30	75/120 lb/in	1.34/2.14
440-4008B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1394B/C	75/120 lb/in	1.34/2.14
440-4009B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1394B/C	75/120 lb/in	1.34/2.14
440-4011B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	03-1313-20B/C	115/155 lb/in	2.05/2.77
440-4019B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1375B/C	115/155 lb/in	2.05/2.77
440-4020B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
440-4021B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
440-4022B/C	11.00" (279mm)	8.87" (225mm)	2.13" (54mm)	E/E	03-1313-20B/C	115/155 lb/in	2.05/2.77
440-4036B/C	12.00" (305mm)	10.22" (260mm)	1.78" (45mm)	E/E	1436-20B/C	210/250 lb/in	3.75/4.46
440-4037B/C	11.00" (279mm)	10.00" (254mm)	1.00" (25mm)	E/E	1437-20B/C	230/275 lb/in	4.11/4.91
440-4038B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	1442-20B/C	210/250 lb/in	3.75/4.46
440-4039B/C	13.00" (330mm)	10.22" (260mm)	2.78" (71mm)	E/E	1442-20B/C	210/250 lb/in	3.75/4.46
440-4040B/C	13.50" (343mm)	10.11" (257mm)	3.39" (86mm)	E/E	1442-20B/30	210/250 lb/in	3.75/4.46
440-4041B/C	13.50" (343mm)	10.11" (257mm)	3.39" (86mm)	E/E	03-1314-20B/30	270/315 lb/in	4.82/5.63
440-4044B/C	12.00" (305mm)	10.22" (260mm)	1.78" (45mm)	E/E	1362-20B/C	300/350 lb/in	5.36/6.25
440-4045B/C	11.00" (279mm)	10.00" (254mm)	1.00" (25mm)	E/E	1369-20B/C	300/350 lb/in	5.36/6.25
440-4048B/C	12.50" (317mm)	10.22" (260mm)	2.28" (58mm)	E/E	03-1314-20B/30	270/315 lb/in	4.82/5.63
440-4049B/C	12.00" (305mm)	9.37" (238mm)	2.63" (67mm)	E/E	03-1370B/C	90/130 lb/in	1.61/2.32
440-4050B/C	12.00" (305mm)	9.37" (238mm)	2.63" (67mm)	E/E	03-1375B/C	115/155 lb/in	2.05/2.77
440-4051B/C	13.00" (330mm)	10.22" (260mm)	2.78" (71mm)	E/E	03-1314-20B/30	270/315 lb/in	4.82/5.63
440-4052B/C	11.50" (292mm)	10.02" (255mm)	1.48" (38mm)	E/E	1437-20B/30C	230/275 lb/in	4.11/4.91
440-4053B/C	11.50" (292mm)	10.02" (255mm)	1.48" (38mm)	E/E	1369-20B/30C	300/350 lb/in	5.36/6.25
440-4054B/C	12.00" (305mm)	10.38" (264mm)	1.62" (41mm)	E/E	03-1315-20B/30	125/170 lb/in	2.23/3.04
440-4055B/C	12.50" (317mm)	10.38" (264mm)	2.12" (54mm)	E/E	03-1315-20B/30	125/170 lb/in	2.23/3.04
440-4056B/C	13.00" (330mm)	10.40" (264mm)	2.60" (66mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
440-4057B/C	13.00" (330mm)	10.40" (264mm)	2.60" (66mm)	E/E	03-1318B/C	140/200 lb/in	2.50/3.57
440-4200B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	03-1310-20B/30	90/130 lb/in	1.61/2.32
440-4201B/C	11.50" (292mm)	9.10" (231mm)	2.40" (61mm)	E/E	03-1313-20B/30	115/155 lb/in	2.05/2.77
440-4202B/C	11.50" (292mm)	10.02" (255mm)	1.48" (38mm)	E/E	1436-20B/30	210/250 lb/in	3.75/4.46
440-4204B/C	11.00" (279mm)	9.75" (248mm)	1.25" (32mm)	E/E	1437-20B/30	230/275 lb/in	4.11/4.91
440-4205B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1312-20B/30	75/120 lb/in	1.34/2.14
440-4206B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1370B/C	90/130 lb/in	1.61/2.32
440-4207B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1375B/C	115/155 lb/in	2.05/2.77
440-4209B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1315-20B/30	120/170 lb/in	2.14/3.04
440-4210B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1394B/C	75/120 lb/in	1.34/2.14
440-4211B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
440-4212B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
440-4213B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
440-4214B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	03-1315-20B/30	120/170 lb/in	2.14/3.04
440-4215B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1368B/C	105/150 lb/in	1.88/2.68
440-4216B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1394B/C	75/120 lb/in	1.34/2.14
440-4217B/C	13.50" (343mm)	10.13" (257mm)	3.37" (86mm)	E/E	03-1367B/C	95/140 lb/in	1.70/2.50
440-4218B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
440-4221B/C	13.00" (330mm)	9.87" (251mm)	3.13" (80mm)	E/E	03-1318C	140/200 lb/in	2.50/3.57
440-4227B/C	12.00" (305mm)	9.37" (238mm)	2.63" (67mm)	E/E	03-1370B/C	95/140 lb/in	1.70/2.50
440-4228B/C	12.00" (305mm)	9.37" (238mm)	2.63" (67mm)	E/E	03-1375B/C	115/155 lb/in	2.05/2.77
440-4229B/C	12.00" (305mm)	10.22" (260mm)	1.78" (45mm)	E/E	1436-20B/30	210/250 lb/in	3.75/4.46
440-4230B/C	11.50" (292mm)	10.02" (255mm)	1.48" (38mm)	E/E	03-1317-20B/30	270/315 lb/in	4.82/5.63
440-4231B/C	11.00" (279mm)	9.75" (248mm)	1.25" (32mm)	E/E	1369-20B/30	300/350 lb/in	5.36/6.25
440-4232B/C	12.00" (305mm)	9.38" (238mm)	2.62" (67mm)	E/E	03-1317-20B/30	270/315 lb/in	4.82/5.63
440-4233B/C	12.50" (317mm)	9.63" (245mm)	2.87" (73mm)	E/E	1442-20B/30	210/250 lb/in	3.75/4.46
440-4234B/C	11.00" (279mm)	8.87" (225mm)	2.13" (54mm)	E/E	03-1310B/C	90/130 lb/in	1.61/2.32
440-4235B/C	11.00" (279mm)	8.87" (225mm)	2.13" (54mm)	E/E	03-1313B/C	115/155 lb/in	2.05/2.77
440-4236B/C	12.00" (305mm)	10.38" (264mm)	1.62" (41mm)	E/E	1436-20B/30	210/250 lb/in	3.75/4.46
440-4237B/C	12.50" (317mm)	10.38" (264mm)	1.62" (41mm)	E/E	03-1315-20B/30	125/170 lb/in	2.23/3.04
440-4238B/C	13.00" (330mm)	10.15" (258mm)	2.85" (72mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
440-4239B/C	13.50" (343mm)	10.17" (258mm)	3.33" (85mm)	E/E	03-1365B/C	120/170 lb/in	2.14/3.04
440-4240B/C	12.00" (305mm)	10.38" (264mm)	1.62" (41mm)	E/E	03-1317-20B/30	270/315 lb/in	4.82/5.63
440-4241B/C	12.50" (317mm)	10.38" (264mm)	1.62" (41mm)	E/E	1442-20B/30	210/250 lb/in	3.75/4.46
440-4242B/C	13.00" (330mm)	10.15" (258mm)	2.85" (72mm)	E/E	03-1318B/C	140/200 lb/in	2.50/3.57
440-4243B/C	13.50" (343mm)	10.17" (258mm)	3.33" (85mm)	E/E	03-1318B/C	140/200 lb/in	2.50/3.57



Specifications and Technical Information

450 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
450-1001B	13.50" (343mm)	10.48" (266mm)	3.02" (76mm)	E/E	1175-20B	230/320 lb/in	4.11/5.72

512 Series Shocks

Order No.	Free Length	Compressed Length*	Travel*	Mounts	Springs Installed	Rate Lbs/in	kg/mm
512-1001B	12.25" (311mm)	9.13" (232mm)	3.12" (79mm)	E/E	03-1396B	200/350 lb/in	3.57/6.25
512-1002B	14.50" (368mm)	10.88" (276mm)	3.62" (92mm)	E/E	03-1396B	200/350 lb/in	3.57/6.25
512-1003B	13.75" (349mm)	9.88" (251mm)	3.87" (98mm)	E/E	03-1365B	125/170 lb/in	2.23/3.04
512-1004B	13.00" (330mm)	9.63" (245mm)	3.37" (86mm)	E/E	03-1365B	125/170 lb/in	2.23/3.04
512-1005B	13.75" (349mm)	10.13" (257mm)	3.62" (92mm)	E/E	03-1365B	125/170 lb/in	2.23/3.04
512-1008B	12.50" (317mm)	9.08" (231mm)	3.42" (87mm)	E/E	03-1368B	105/150 lb/in	1.88/2.68
512-1009B	14.50" (368mm)	10.50" (267mm)	4.00" (102mm)	E/E	03-1365B	125/170 lb/in	2.23/3.04
512-1010B	14.60" (371mm)	10.81" (275mm)	3.79" (96mm)	E/E	03-1368B	105/150 lb/in	1.88/2.68
512-1011B	15.50" (394mm)	11.15" (283mm)	4.35" (110mm)	E/E	03-1316-20B	120/170 lb/in	2.14/3.04
512-1012B	12.75" (324mm)	9.30" (236mm)	3.45" (88mm)	E/E	1396-20B	200/350 lb/in	3.57/6.25
512-1013B	15.50" (394mm)	11.15" (283mm)	4.35" (110mm)	E/E	03-1316-20B	120/170 lb/in	2.14/3.04
512-1014B	10.37" (263mm)	8.40" (213mm)	1.97" (50mm)	E/E	1437-20B	230/275 lb/in	4.11/4.91
512-1015B	11.50" (292mm)	8.83" (224mm)	2.67" (68mm)	E/E	1442-20B	210/250 lb/in	3.75/4.46
512-1016B	17.50" (445mm)	12.60" (320mm)	4.90" (124mm)	E/E	03-1316-20B	120/170 lb/in	2.14/3.04
512-1017B	14.50" (368mm)	10.50" (267mm)	4.00" (102mm)	E/E	1397-20B	175 lb/in	3.13
512-1018B	16.00" (406mm)	11.10" (282mm)	4.90" (124mm)	E/E	PENDING		
512-1019B	17.00" (432mm)	11.10" (282mm)	5.90" (150mm)	E/E	PENDING		
512-1020B	12.25" (311mm)	9.13" (232mm)	3.12" (79mm)	E/E	1367-20B	95/140 lb/in	1.70/2.50
512-1021B	14.50" (368mm)	10.88" (276mm)	3.62" (92mm)	E/E	03-1318-20B	140/200 lb/in	2.50/3.57
512-1022B	14.50" (368mm)	11.00" (279mm)	3.50" (89mm)	E/E	03-1396B	200/350 lb/in	3.57/6.25

Shock Springs for Specific Applications

(sold individually)

Order No.	Free Length	Inside Diameter	Rate Lbs/in	kg/mm
03-1311-30	10.25" (260mm)	1.85" (47mm)*	160/190	2.86/3.39
03-1316-20B	12.00" (305mm)	1.85" (47mm)*	120/170	2.14/3.04
1361-20B	10.62" (270mm)	1.76" (45mm)	250	4.46
1363-20B	10.20" (259mm)	1.85" (47mm)*	270/345	4.82/6.16
1371-20B	9.40" (239mm)	1.82" (46mm)*	245/340	4.38/6.07
1373-20B	4.00" (102mm)	1.80" (46mm)	925	16.52
1374-20B	4.75" (121mm)	1.70" (43mm)	1100	19.65
1395-30	10.50" (267mm)	1.78" (45mm)*	100/200	1.79/3.57
1396-20B	9.37" (238mm)	1.85" (47mm)*	200/350	3.57/6.25
1397-20B	9.75" (248mm)	1.85" (47mm)*	175	3.13
1402-20B/OR	2.25" (57mm)	1.85" (47mm)	400	7.14
1406-20B	3.25" (83mm)	2.05" (52mm)	200	3.57
1407-20B	2.75" (70mm)	1.90" (48mm)	400	7.14
1431-20B	8.75" (222mm)	1.85" (47mm)*	130	2.32
1432-20B	8.75" (222mm)	1.85" (47mm)*	155	2.77
1433-20B	8.75" (222mm)	1.85" (47mm)*	175	3.13
1434-20B	8.75" (222mm)	1.85" (47mm)*	195	3.48
1435-20B	9.00" (229mm)	1.90" (48mm)*	290	5.18
1436-20B/30	7.75" (197mm)	1.85" (47mm)*	210/250	3.75/4.46
1437-20B/30	6.87" (174mm)	1.85" (47mm)*	230/275	4.11/4.91
1442-20B/30	8.37" (213mm)	1.85" (47mm)*	210/250	3.75/4.46

* Note: These springs have a reduced coil on one end with a 1.53" inside diameter.



Specifications and Technical Information

ATV Front Spring Kits

Order No.	Rate lbs/in	kg/mm	Length	Inside Dia***	Notes
31-2001	90/115	1.61/2.05	10.00" (254mm)	2.35" (60mm)	Reduced coil I.D. one end
31-2002	70/95	1.25/1.70	10.00" (254mm)	2.35" (60mm)	Reduced coil I.D. one end
31-2003	50/70	0.89/1.25	15.00" (381mm)	2.35" (60mm)	Reduced coil I.D. one end
31-2004	90/115	1.61/2.05	11.37" (289mm)	2.35" (60mm)	Reduced coil I.D. one end
31-2005	50/70	0.89/1.25	14.25" (362mm)	2.35" (60mm)	Reduced coil I.D. one end
31-2006	60	1.07	9.75" (248mm)	2.35" (60mm)	Reduced coil I.D. one end

01 Series Single Shock Rear Spring

Order No.	Free Length	Inside Diameter	Rates lbs/in	kg/mm
01-1150PK	11.00" (279mm)	2.49" (63mm)	320	5.71
01-1151PK	11.00" (279mm)	2.49" (63mm)	335	5.98
01-1152R	7.25" (184mm)	2.49" (63mm)	360	6.43
01-1153R	7.00" (178mm)	2.49" (63mm)	435	7.77
1154-20R	6.30" (160mm)	2.35" (60mm)	800/900	14.29/16.07
1155-20B	8.50" (216mm)	2.35" (60mm)	250/310	4.46/5.54
1156-20B	8.00" (203mm)	2.35" (60mm)	375/465	6.70/8.30
1157-20B/GT	8.75" (222mm)	2.35" (60mm)	560	10.00
1158-20B	6.75" (171mm)	2.35" (60mm)	400/450	7.14/8.04
1159-20FB/GT	9.00" (229mm)	2.35" (60mm)	500/560	8.93/10.00
01-1160GT	8.62" (219mm)	2.30" (58mm)	600/700	10.71/12.50
01-1161BL	7.75" (197mm)	2.20" (56mm)	1200/1500	21.43/26.79
01-1162BL	9.50" (241mm)	2.00" (51mm)	300/400	5.36/7.14
01-1163PK/GT	9.25" (235mm)	2.30" (58mm)	850	15.18
1163S-20PK	8.62" (219mm)	2.30" (58mm)	850	15.18
01-1165R	7.00" (178mm)	2.30" (58mm)	500/600	8.93/10.71
01-1168	5.25" (133mm)	1.90" (48mm)	900	16.07
01-1169PK	10.25" (260mm)	2.20" (56mm)	300/350	5.36/6.25
1175-20B**	10.00" (254mm)	2.25" (57mm)	230/320	4.11/5.72
1177-20GT**	7.50" (191mm)	2.35" (60mm)	650/700	11.61/12.50
1178-20B	6.00" (152mm)	2.30" (58mm)	1700	30.36
1179-20B**	7.50" (191mm)	2.22" (56mm)	1000/1200	17.86/21.43
01-1180PK	9.75" (248mm)	2.50" (63mm)	350	6.25
01-1181R	7.00" (178mm)	2.40" (61mm)	850/1200	15.18/21.43
01-1182PK/GT	8.50" (216mm)	2.30" (58mm)	480/520	8.57/9.29
01-1183GT	9.25" (235mm)	2.30" (58mm)	600/700	10.71/12.50
01-1185R	6.44" (163mm)	2.80" (71mm)	500/600	8.93/10.71
01-1186GT	9.75" (248mm)	2.35" (60mm)	350/450	6.25/8.04
01-1187PK/GT	9.75" (248mm)	2.00" (51mm)	600/700	10.71/12.50
1188-20B	8.00" (203mm)	2.49" (63mm)	250/310	4.46/5.54
01-1189R	6.80" (173mm)	2.49" (63mm)	800/900	14.29/16.07
1190-20R	9.12" (232mm)	2.37" (60mm)	560	10.00
1191-20R	7.00" (178mm)	2.35" (60mm)	500	8.93
01-1193PK/GT**	11.00" (279mm)	2.30" (58mm)	350/390	6.25/6.96
01-1194PK	11.00" (279mm)	2.49" (63mm)	250	4.46
01-1195PK	11.00" (279mm)	2.49" (63mm)	270	4.82
01-1196PK	11.00" (279mm)	2.49" (63mm)	285	5.09
01-1197GT	11.00" (279mm)	2.20" (56mm)	350/390	6.25/6.96
1198-20B	6.50" (165mm)	2.35" (60mm)	700	12.50

** This Spring has a reduced I.D. on one end.