		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 170 1130		–	–	–	LD = 2	–	–	30.1 1.84	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	8 6	28 20.5	50 37	7.3 (+/-2.0) 0.25 (+/-0.07)
MS 171 1139	C1Q-S123B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	30.1 1.84	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	CMR 6 H	0.5 0.02	2,800	13,500	11 8	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
MS 180 1130		–	–	–	LD = 2	–	–	31.8 1.94	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F	0.5 0.02	2,800	14,000	8 6	28 20.5	50 37	7.3 (+/-2.0) 0.25 (+/-0.07)
MS 181 1139	C1Q-S121B C1Q-S122B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	31.8 1.94	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	CMR 6 H	0.5 0.02	2,800	13,500	11 8	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
MS 192 1137	C1Q-S124		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	30.1 1.84	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	CMR 6 H	0.5 0.02	3,000	13,500	8 6	25 18.5	25 18.5	7.5 (+/-1.5) 0.26 (+/-0.05)
MS 192 T 1137	C1Q-S103 C1Q-S104		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	30.1 1.84	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,000	13,500	8 6	25 18.5	25 18.5	7.5 (+/-1.5) 0.26 (+/-0.05)
MS 200 1129	C1Q-S96		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F	0.5 0.02	2,800	14,000	10 7.5	25 18.5	33 24.5	min 3.5 (+/-1.0) max 9.5 (+/-2.0) min 0.12 (+/-0.03) max 0.32 (+/-0.07)
	C1Q-S96 B C1Q-S127								0.25 (+0.15/-0.10) 0.01 (+0.006/-0.004)	WSR 6 F BPMR 7 A				10 7.5	23 17	33 24.5	

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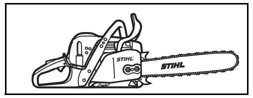

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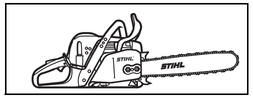
STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 200 T 1129	C1Q-S61 C1Q-S126		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0.25 (+0.15/-0.10) 0.01 (+0.006/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	23 17	33 24.5	min 3.5 (+/-1.0) max 9.5 (+/-2.0) min 0.12 (+/-0.03) max 0.32 (+/-0.07)
MS 201 1145	C1Q-S188 C1Q-S189		–	2 (32/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0.25 (+0.15/-0.10) 0.01 (+0.006/-0.004)	CMR 6 H	0.5 0.02	3,000	14,000	10 7.5	23 17	25 18.5	min 3.5 (+/-1.0) max 9.5 (+/-2.0) min 0.12 (+/-0.03) max 0.32 (+/-0.07)
MS 201 T 1145	C1Q-S188 C1Q-S189		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0,25 (+0,15/-0,10) 0.01 (+0.006/-0.004)	CMR 6 H	0.5 0.02	3,000	14,000	10 7.5	23 17	25 18.5	min 3.5 (+/-1.0) max 9.5 (+/-2.0)min min 0.12 (+/-0.03) max 0.32 (+/-0.07)
MS 211 1139	C1Q-S119B C1Q-S120B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	CMR 6 H	0.5 0.02	2,800	13,500	11 8	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
MS 230 1123	C1Q-S76 A C1Q-S92		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	40.2 2.45	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	11.5 8.5	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
MS 250 1123	C1Q-S75 C1Q-S76 C1Q-S92		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	45.4 2.76	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	11.5 8.5	28 20.5	50 37	7.0 0.24
	C1Q-S75A																8.0 (+/-2.0) 0.27 (+/-0.07)
	C1Q-S76A C1Q-S92																
MS 250 C 1123	C1Q-S75			1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 1/2 (24/16)	45.4 2.76	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	11.5 8.5	28 20.5	50 37	7.0 0.24



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 260 1121	WT-403	–	–	–	1 (16/16)	–	–	48.7 2.96	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	30 22	50 37	min 4.5 (+/-2.0) max 11.5 (+/-3.0) min 0.16 (+/-0.07) max 0.4 (+/-0.10)
	WTE-1 WTE-2		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	50.2 3.06	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)					11 8	33 24.5	50 37	
MS 261 1141	C1Q-S178		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	50.2 3.06	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	28 20.5	50 37	min 4.5 (+/-2.0) max 11.5 (+/-3.0) min 0.16 (+/-0.07) max 0.4 (+/-0.10)
MS 270 1133	HD-33A			1 (16/16)	1 1/4 (20/16)	3/4 (12/16)	1/4 (4/16)	50 3.0	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,500	9 6.5	28 20.5	50 37	10.0 0.34
MS 271 1141	C1Q-S178		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	50.2 3.06	0.30 (+0.20/-0.05) 0.012 (+0.008/-0.002)	BPMR 7 A	0.5 0.02	2,800	13,000	11 8	28 20.5	50 37	8.0 (+/-2.0) 0.27 (+/-0.07)
MS 280 1133	HD-32A			1 (16/16)	1 1/4 (20/16)	3/4 (12/16)	1/4 (4/16)	54.7 3.34	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,500	9 6.5	28 20.5	50 37	10 0.34
MS 280 I 1133	HD-39	–		–	1 1/4 (20/16)	–	1/4 (4/16)	54.7 3.34	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,500	9 6.5	28 20.5	50 37	10 0.34

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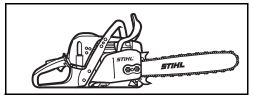

2011 - 07 USA

STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 290 1127	HD-18B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	56.5 3.43	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	12,500	11 8	28 20.5	50 37	6-15 0.21-0.51
	HD-18C								0.30 (+0.20/-0.15) 0.012 (+0.008/-0.006)				13,500				min 6.0 (+/-2.0) max 17.5 (+3.0/-4.5) min 0.21 (+/-0.07) max 0.60 (+0.10/-0.16)
MS 291 1141	C1Q-S178 C1Q-S179		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	55.5 3.39	0.30 (+0.20/-0.05) 0.012 (+0.008/-0.006)	BPMR 7 A	0.5 0.02	2,800	13,000	11 8	28 20.5	50 37	8,0 (+/-2,0) 0.27 (+/-0.07)
MS 310 1127	HD-21B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	59.0 3.60	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,000	11 8	28 20.5	50 37	min 6.0 (+/-2.0) max 17.5 (+3.0/-4.5) min 0.21 (+/-0.07) max 0.60 (+0.10/-0.16)
	HD-21C								0.30 (+0.20/-0.05) 0.012 (+0.008/-0.002)								
MS 311 1140	WTE-9		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	59.0 3.60	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,000	12 8	33 24.5	50 37	min 6.0 (+/-2.0) max 17.5 (+3.0/-4.5) min 0.21 (+/-0.07) max 0.60 (+0.10/-0.16)
MS 361 1135	HD-34A			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	59.0 3.60	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	28 20.5	50 37	min 5.5 (+/-2.5) max 15.0 (+/-3.0) min 0.19 (+/-0.08) max 0.51 (+/-0.10)
	HD-34B								0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)								

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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 362 1140	WTE-8		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	59.0 3.60	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	33 24.5	50 37	min 5.5 (+/-2.5) max 15.0 (+/-3.0) min 0.19 (+/-0.08) max 0.51 (+/-0.10)
MS 391 1140	WTE-9		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	64.1 3.91	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	BPMR 7 A	0.5 0.02	2,800	13,000	12 9	33 24.5	50 37	min 6.0 (+/-2.0) max 17.5 (+3.0/-4.5) min 0.21 (+/-0.07) max 0.60 (+0.10/-0.16)
MS 440 1128	HD-17A			1	1	3/4	1/4	70.7 4.31	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,500	11.5 8.5	33 24.5	50 37	min 6.0 (+/-2.0) max 17.0 (+/-3.0) min 0.21 (+/-0.07) max 0.58 (+/-0.10)
	HD-17B								0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)								
MS 441 1138	HD-41 HD-41B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	70,7 4.31	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0,5	2,800	13,500	15 11	33 24.5	50 37	min 6.0 (+2.0/-2.5) max 16.5 (+/- 3.5) min 0.21 (+0.07/-0.08) max 0.56 (+/-0.12)
MS 460 1128	HD-16			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	76.5 4.67	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,500	15 11	33 24.5	50 37	min 6.0 (+/-2.0) max 17.0 (+/-3.0) min 0.21 (+/-0.07) max 0.58 (+/-0.10)
	HD-16A HD-16B								0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)								

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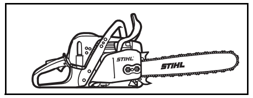

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STIHL®

		H L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
MS 660 1122	WJ-69		1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	91,6 5.59	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,000	15 11	45 33	70 51.5	10-21 0.34-0.72
	WJ-69B							0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)				13,500				min 10.0 (+/-4.0) max 20.5 (+/-3.5) min 0.34 (+/-0.14) max 0.69 (+/-0.12)
MS 880 1124	HT-12D		1 (16/16)	1 (16/16)	1/2 (8/16)	1/4 (4/16)	121.6 7.42	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,700	11,500	15 11	45 33	80 59	min 14.0 (+/-5.0) max 36.0 (+/-5.0) min 0.48 (+/-0.17) max 1.23 (+/-0.17)
	WG-12		1 1/2 (24/16)	1 (16/16)	1/2 (8/16)	1/4 (4/16)		0.30 (+0.10/-0.10) 0.012 (+0.004/-0.004)				11,000				

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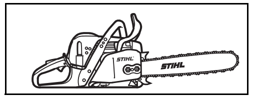

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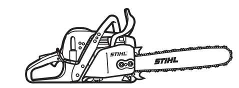
		H L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
009 L 1120		–	–	1 (16/16)	1 (16/16)	–	–	40.8 2.49	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9 6.5	25 18.5	28 20.5	8.5 (+/-2.5) 0.29 (+/-0.08)
012 1120	C1S-S1B	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	45.2 2.76	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F	0.5 0.02	2,700	10,500	9 6.5	25 18.5	25 18.5	8.5 (+/-2.5) 0.29 (+/-0.08)
017 1130	WT-325	–	–	–	LD = 1	–	–	30.1 1.84	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,200	–	9.5 7	28 20.5	50 37	7.3 (+/-2.0) 0.25 (+/-0.07)
	C1Q-S43 C1Q-S57	–	–	–	LD = 2	–	–										
018 1130	C1Q-S43 C1Q-S57	–	–	–	LD = 2	–	–	31.8 1.94	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	–	9.5 7	28 20.5	50 37	7.3 (+/-2.0) 0.25 (+/-0.07)
019 T 1132		–	–	–	1 (16/16)	–	–	35.2 2.15	0.20 (+0.05/-0.10) 0.008 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	–	8 6	28 20.5	50 37	5-9 0.17-0.31
	C1Q-S46A	–	–	–	1 (16/16)	–	1 (16/16)		0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)				12,500				7.0 (+/-2.0) 0.24 (+/-0.07)
MS 191 T 1132	C1Q-S59		–	1 (16/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	46.5 2.84	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,000	12,500	8 6	28 20.5	50 37	7.0 (+/-2.0) 0.24 (+/-0.07)
020 1114	WT-15A			–	–	1 1/4 (20/16)	1 1/4 (20/16)	35.2 2.15	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,400	12,000	11.5 8.5	25 18.5	32.5 24	10.0 (+/-2.0) 0.34 (+/-0.07)

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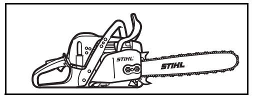

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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
020, 020 T 1129	C1Q-S32	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	35.2 2.15	0.25 (+0.15/-0.10) 0.01 (+0.006/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	11.5 8.5	25 18.5	33 24.5	min 3.5 (+/-1.0) max 9.5 (+/-2.0) min 0.12 (+/-0.03) max 0.32 (+/-0.07)
021 1123		–	–	–	1 (16/16)	–	–	35.2 2.14	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,500	11.5 8.5	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
MS 210 1123	C1Q-S77A C1Q-S90A		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	35.2 2.14	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	12,500	11.5 8.5	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
023 1123	WT-215	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	40.2 2.45	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	12,500	11.5 8.5	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
024 1121	WT-194	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	44.3 2.70	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,000	10 7.5	30 22	50 37	9.5 (+/-2.5) 0.32 (+/-0.08)
025 1123		–	–	1 (16/16)	1 (16/16)	–	–	45.4 2.76	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,000	11.5 8.5	28 20.5	50 37	7.0 (+/-2.5) 0.24 (+/-0.08)
	WT-215	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)										
026 1121		–	–	1 (16/16)	1 (16/16)	–	–	48.7 2.96	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	14,000	10 7.5	33 24.5	50 37	4.5-11.5 0.16-0.4
028 1118	WT-16B	–	–	–	–	1 (16/16)	1 (16/16)	51.5 3.14	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,600	12,500	7 5	30 22	50 37	10.0 (+/-2.0) 0.34 (+/-0.07)

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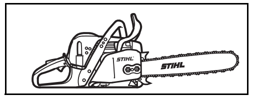

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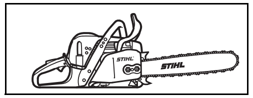
STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
029 S 1127	HD-18B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	56.5 3.43	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	12,500	11 8	28 20.5	50 37	6-15 0.21-0.51
036 1125		–	–	1 (16/16)	1 (16/16)	–	–	61.5 3.75	0.25 (+0.05/-0.05) 0.008 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,500	11.5 8.5	32.5 24	50 37	5-14.5 0.17-0.50
	C3A-S39			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)										
MS 360 1125	C3A-S39			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	61.5 3.75	0.25 (+0.05/-0.05) 0.008 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	13,500	11 8	33 24,5	50 37	5-14.5 0.17-0.50
038 1119	48A-101A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	66.8 4.07	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	12,500	10.5 8	33 24.5	50 37	min 9.0 (+/-2.0) max 19.0 (+/-3.0) min 0.31 (+/-0.07) max 0.64 (+/-0.10)
039 1127	HD-21B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	64.1 3.91	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0,5	2,800	13,000	11 8	27.5 20	50 37	6-17.5 0.21-0.60
MS 390 1127	HD-21B			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	64.1 3.91	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0,5	2,800	13,000	11 8	28 20.5	50 37	min 6.0 (+/-2.0) max 17.5 (+3.0/-4.5) min 0.21 (+/-0.07) max 0.60 (+0.10/-0.16)
	HD-21C								0.30 (+0.20/-0.15) 0.012 (+0.008/-0.006)								



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STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
044 1128	HD-17A			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	70.7 4.31	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,500	11.5 8.5	32.5 24	50 37	6-17 0.21-0.58
	HD-15B	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)		0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)								min 6.0 (+/-2.0) max 17.0 (+/-3.0) min 0.21 (+/-0.07) max 0.58 (+/-0.10)
046 1128	HD-8A HD-14A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)		0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,500	15 11	32.5 24	50 37	min 6.0 (+/-2.0) max 17.0 (+/-3.0) min 0.21 (+/-0.07) max 0.58 (+/-0.10)
	HD-16			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	76.5 4.67						15 11	33 24.5	50 37	
056 1115	HS-118B			–	–	1 1/4 (20/16)	1/4 (4/16)	93.6 5.71	0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)	WSR 6 F	0.5 0.02	2,200	12,000	10 7.5	30 22	45 33	21.0 (+/-4.0) 0.72 (+/-0.14)
MS 650 1122	WJ-69			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	84.9 5.18	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,500	15 11	45 33	70 51.5	10-21 0.34-0.72
	WJ-69B WJ-69A								0.20 (+0.10/-0.05) 0.008 (+0.004/-0.002)								min 10.0 (+/-4.0) max 20.5 (+/-3.5) min 0.34 (+/-0.14) max 0.69 (+/-0.12)
066 1122	WJ-69			1 (16/16)	1 (16/16)	3/4 (12/16)	1/4 (4/16)	91,6 5.59	0.25 (+0.05/-0.05) 0.008 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	13,000	15 11	33 24.5	70 51.5	10-21 0.34-0.72
084 1124	HT-7A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	121.6 7.42	0.25 (+0.05/-0.05) 0.01 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,000	12,500	15 11	45 33	70 51.5	min 17.0 (+/-7.0) max 25.0 (+/-4.0) min 0.58 (+/-0.24) max 0.85 (+/-0.14)

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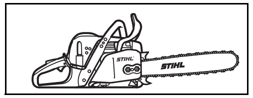

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STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	cc/min oz/min @ 10,000 r.p.m
088 1124	HT-12D			1 (16/16)	1 (16/16)	1/2 (8/16)	1/4 (4/16)	121.6 7.42	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,700	12,000	15 11	45 33	80 59	min 14.0 (+/-5.0) max 36.0 (+/-5.0) min 0.48 (+/-0.17) max 1.23 (+/-0.17)
090 1106	LB-S9	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	136.8 8.35	0.25 (+0.05/-0.05) 0.01 (+0.002/-0.002)	WSR 6 F	0.5 0.02	2.000	7.500	10 7.5	45 33	40 29.5	30.0 (+/-5.0) 1.01 (+/-0.17)

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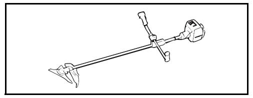

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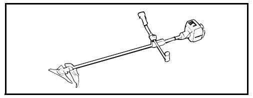
STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 36, 40, 44 **FC 44** 4130	WT-160B	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	30.2 1.84	0.30 (+0.20/-0.20) 0.012 (+0.008/-0.008)	BMR 6 A	0.7-0.8 0.028- 0.032	3,100	9,300	13 9.5		17 12.5				
	WT-327 WT-492A			4 (64/16)	1 1/2 (24/16)	1/4 (4/16)	1/4 (4/16)		0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)				8,600- 10,000							
FS 45, 46, 55 **FC 55** 4140	C1Q-S66 C1Q-S97		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	8,700- 10,300	9 6.5		17 12.5	17 12.5			
	C1Q-S97A												9,500							
	C1Q-S153												8,600- 10,400							
	C1Q-S71		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						8,700- 10,300							
FS 40, 50, 56, 70 4144 **FC 56, 70** 4144	C1M-S145B C1M-S146B			1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	3/4 (12/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	CMR 6 H	0.5 0.02	2,800	9,000- 10,600	9 6.5		20 14.5		17 12.5		



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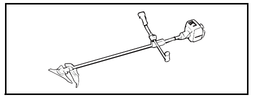
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 75, 80, 85 **FC 75, 85** 4137 **KW 85** 4602	WT-447	–	–	1 (16/16)	1 (16/16)	–	–	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9,700- 11,300	9 6.5		26 19		14 10.5		
	C1Q-S28 C1Q-S41	–	–		1 (16/16)	–	–													
	C1Q-S45 C1Q-S56	–	–		LD = 2	–	–													
	C1Q-S63 C1Q-S69		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
	C1Q-S69A												10,500							
	C1Q-S78		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						9,700- 11,300							
	C1Q-S80		–	2 (32/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
FS 73, 83 **FC 73, 83** 4141		–	–	–	–	–	–	25.4 1.55	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	CMR 7 A	0.5 0.02	3,000	10,000- 11,000	10 7.5		21 15.5		20 14.5		
FS 90 **FC 90, 95** 4180	C1Q-S110			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)	28.4 1.73	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
	C1Q-S131B												9,800- 11,000							



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	n_L 1/min @ r.p.m.	n_R 1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 110 **FC 100, 110** 4180	C1Q-S72 C1Q-S81 C1Q-S88			2 (32/16)	3 (48/16)	3/4 (12/16)	3/4 (12/16)	31.4 1.92	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
	C1Q-S110			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)													
	C1Q-S131B												9,800- 11,000							
FS 120 4134	C1Q-S35	–	–	1 (16/16)	1 (16/16)	–	–	30.8 1.88	0.20 (+0.10/-0.05) 0.00812 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,300- 13,300	10 7.5	32 23.5	24 17.5			12 9	
	C1Q-S36 C1Q-S51	–	–	–	LD = 2	–	–													
	C1Q-S82		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	36.3 2.21	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)											
FS 130 4180	C1Q-S98			4 (64/16)	2 1/2 (40/16)	3/4 (12/16)	3/4 (12/16)	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	CMR 6 H	0.5 0.02	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
	C1Q-S131B			4 1/2 (72/16)	2 1/2 (40/16)	3/4 (12/16)	3/4 (12/16)						9,800- 11,000							
FS 200 4134	C1Q-S35	–	–	1 (16/16)	1 (16/16)	–	–	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,300- 13,300	10 7.5	32 23.5	24 18			12 9	
	C1Q-S36 C1Q-S51	–	–	–	LD = 2	–	–													
	C1Q-S83		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
	C1Q-S162		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						11,100- 12,800	10 7.5	28 20.5	24 18			12 9	

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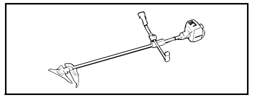

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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 250 4134	C1Q-S51	–	–	–	LD = 2	–	–	40.2 2.45	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,300-13,300	10 7.5	32 23.5	24 18			12 9	
	C1Q-S83		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
	C1Q-S162		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						11,100-12,800	10 7.5	28 20.5	24 18			12 9	
FS 310 4180	C1Q-S133A							36.3 2.22		CMR 6 H		2,800	9,800-11,000	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
FS 350 4134	C1Q-S35	–	–	1 (16/16)	1 (16/16)	–	–	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,300-13,300	10 7.5	32 23.5	24 18			12 9	
	C1Q-S36 C1Q-S51	–	–	–	LD = 2	–	–													
	C1Q-S83		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
	C1Q-S83		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	40.2 2.45												
	C1Q-S162		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						11,100-12,800	10 7.5	28 20.5	24 18			12 9	
FS 360 4147	WTF-5	–	–	1 1/2 (24/16)	1 1/4 (20/16)	–	–	37.7 2.3	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	CMR 6 H	0.5 0.02	2,800	9,900 - 13,100	9 6.5	28 20.5		17 12.5			
FS 360, 420 4116	HD-3A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	51.7 3.15 / 56.5 3.45	0.20 (+0.10/-0.05) 0.00812 (+0.004/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	12,700	9.5 7	30 22		24 18	14 10.5	20 14.5	

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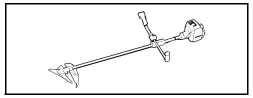

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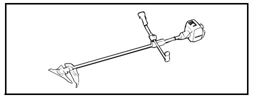
STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 450, 480 4128	C1Q-S94		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	44.3 2.70	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,700- 13,300	10 7.5	32 23.5	24 17.5			12 9	
	C1Q-S154		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)						11,400- 12,800	10 7.5	28 20.5	24 18			12 9	
	C1Q-S156			1 1/2 (24/16)	1 (16/16)	1 (16/16)	3/4 (12/16)													
FS 460 C-EM 4147	WTF-7	–	–	–	–	–	–	45.6 2.80	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	CMR 6 H	0.5 0.02	2,700	11,700 - 12,900	9 6.5	28 20.5		17 12.5			
FS 550 4116	HD-22 HD-31A			1 1/4 (20/16)	1 1/4 (20/16)	1/4 (4/16)	1/4 (4/16)	56.5 3.45	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500	11,600- 12,800	12 9	30 22		24 17.5	14 10.5	20 14.5	
FS 560 C-EM 4148	HDA-302	–	–	–	–	–	–	57.1 3.48	0.30 (+0.05/-0.10) 0.012 (+0.002/-0.004)	BPMR 7 A	0.5 0.02	2,500	11,700 - 12,900	9 6.5	28 20.5		17 12.5			

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 25-4 4170	WYL-131	–	–	–	–	–	–	22.2 1.35	0.40 (+0.10/-0.05) 0.016 (+0.004/-0.002)	CR5 HSB	0.65 0.025	3,100	11,500			15 11			8 6	
FS 56 4125	WT-45A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	19.6 1.20	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800								
FS 65-4 4170	WYL-135	–	–	–	–	–	–	31.0 1.89	0.40 (+0.10/-0.05) 0.016 (+0.004/-0.002)	CR5 HSB	0.65 0.025	3,100	11,500			15 11			8 6	
FS 66 4123	WT-45A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	19.6 1.20	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,700								
FS 72, 74, 76 4133	WT-227F	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	23.9 1.46	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9.5 7		20 14.5				
FS 81 4124	WT-45A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	22.5 1.37	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,700			8 6	17 12.5		17 12.5		
FS 86 4126	WT-45A	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	25.4 1.55	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800				15 11	14 10.5	7 5		



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
FS 106 4129, 4132	C1Q-SK5	–	–	1 (16/16)	1 (16/16)	1 (16/16)	1 (16/16)	34.4 2.10	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800			15 11	17 12.5			17 12.5	

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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
BG 56, SH 56 4241	C1M-S142A C1M-S142C C1M-S142D		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	CMR 6 H	0.5 0.02	2,500	9 6.5	17 12.5	21 15.5		
BG 66 4241	C1M-S144 C1M-S144A C1M-S144B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	CMR 6 H	0.5 0.02	2,500	9 6.5	17 12.5	21 15.5		
BG 86, SH 86 4241	C1M-S141A C1M-S141C C1M-S141D		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	CMR 6 H	0.5 0.02	2,500	9 6.5	17 12.5	21 15.5		
BR 200 4241	C1M-X1978		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	CMR 6 H	0.5 0.02	2,500	9 6.5	17 12.5	21 15.5		
BR 350 4244	C1Q-S199		–	1 1/2 (24/16)	1 1/2 (24/16)	3/4 (12/16)	1 1/2 (24/16)	63.3 3.86	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	BPMR 7 A	0.5 0.02	3,000	12 8.9	20 18.5	35 25.8		
BR 420, SR 420 4203	HD-28A HD-45			1 (16/16)	2 1/4 (36/16)	1/4 (4/16)	1/4 (4/16	56.5 3.44	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	10 7.5	25 18.5		25 18.5	
BR 430 4244	C1Q-S165		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	63.3 3.86	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	BPMR 7 A	0.5 0.02	3,000	12 8.9	20 18.5	35 25.8		

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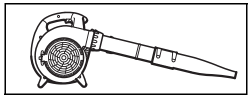

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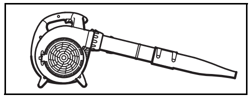
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
SR 430, 450 4244	C1Q-S165		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	63.3 3.86	0.25 (0.10/-0.10) 0.01 (0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,000	12 8.9	20 18.5	25 18.5		
BR 500 4282	C1Q-S99			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)	64.8 3.95	0.25 (0.10/-0.10) 0.01 (0.004/-0.004)	USR 4 AC CMR 6 H	0.7 0.028	2,500	12 8.9	20 15	30 22		0.1 0.004
	C1Q-S99A			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)				0.5 0.02						
	C1Q-S183	–	–	3 1/2 (56/16)	2 (32/16)	–	–										
BR 550 4282	C1Q-S101			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)	64.8 3.95	0.25 (0.10/-0.10) 0.01 (0.004/-0.004)	USR 4 AC CMR 6 H	0.7 0.028	2,500	12 8.9	20 15	30 22		0.1 0.004
	C1Q-S101A			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)				0.5 0.02						
	C1Q-S185	–	–	3 1/2 (56/16)	2 (32/16)	–	–										
BR 600 4282	C1Q-S100			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)	64.8 3.95	0.25 (0.10/-0.10) 0.01 (0.004/-0.004)	USR 4 AC CMR 6 H	0.7 0.028	2,500	12 8.9	20 15	30 22		0.1 0.004
	C1Q-S100A			3 1/2 (56/16)	2 (32/16)	3/4 (12/16)	3/4 (12/16)				0.5 0.02						
	C1Q-S184	–	–	3 1/2 (56/16)	2 (32/16)	–	–										



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
BG 45, BG 46, BR 45, BR 46 4229	C1Q-S73 C1Q-S112		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.30 (0.15/-0.15) 0.012 (0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9 6.5	17 12.5	21 15.5		
BG 55, SH 55 BG 65 4229	C1Q-S55	–	–	–	–	–	–	27.2 1.66	0.30 (0.15/-0.15) 0.012 (0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9 6.5	17 12.5	21 15.5		
	C1Q-S64 C1Q-S68 C1Q-S68E		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)										
BG 85, SH 85 4229	–	–	–	–	–	–	–	27.2 1.66	0.30 (0.15/-0.15) 0.012 (0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9 6.5	17 12.5	21 15.5		
	C1Q-S64 C1Q-S68		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)										
BR 200 4241	C1M-X1978		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	CMR 6 H	0.5 0.02	2,500	9 6.5	17 12.5	21 15.5		
BR 320, SR 320 4203	HD-7			2 (32/16)	2 1/2 (40/16)	1/4 (4/16)	1/4 (4/16	44.9 2.73	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	8 6	25 18.5		25 18.5	
	HD-13B			2 1/2 (40/16)	2 (32/16)	1/4 (4/16)	1/4 (4/16										
BR 320 L 4203	WT-331 WT-489			4 (64/16)	1 1/2 (24/16)	1/4 (4/16)	1/4 (4/16	44.9 2.73	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	8 6	25 18.5		25 18.5	
BR 340, SR 340 4203	HD28A			1 (16/16)	2 1/4 (36/16)	1/4 (4/16)	1/4 (4/16	44.9 2.73	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	10 7.5	25 18.5		25 18.5	

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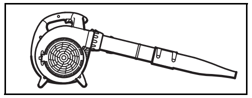

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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
BR 340 L 4203	WT-580			1 1/8 (18/16)	2 (32/16)	1/4 (4/16)	1/4 (4/16	44.9 2.73	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	10 7.5	25 18.5		25 18.5	
BR 380 4203	HD-45			1 (16/16)	2 1/4 (36/16)	1/4 (4/16)	1/4 (4/16	56.5 3.45	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	10 7.5	25 18.5		25 18.5	
BR 400, SR 400 4203	HD-7			2 (32/16)	2 1/2 (40/16)	1/4 (4/16)	1/4 (4/16	56.5 3.44	0.25 (0.05/-0.10) 0.01 (0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	3,100	8 6	25 18.5		25 18.5	
	HD-13B			2 1/2 (40/16)	2 (32/16)	1/4 (4/16)	1/4 (4/16										

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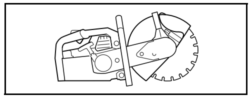

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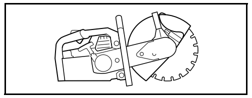
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.
TS 410 4238	C1Q-S118B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	66.7 4.07	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	WSR 6 F	0.5 0.02	2,500	10,100	9,700- 10,400	9 6.5	33 24.5	40 29.5		
	C1Q-S118A		–	2 1/2 (40/16)	1 (16/16)	3/4 (12/16)	1 (16/16)												
TS 420 4238	C1Q-S118B		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	66.7 4.07	0.25 (+0.10/-0.10) 0.01 (+0.004/-0.004)	WSR 6 F	0.5 0.02	2,500	10,100	9,700- 10,400	9 6.5	33 24.5	40 29.5		
	C1Q-S118A		–	2 1/2 (40/16)	1 (16/16)	3/4 (12/16)	1 (16/16)												
TS 700 4224	HS-314A WJ-114A		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	98.5 6.1	0.30 (+0.10/-0.10) 0.012 (+0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,200		9,400- 10,100	12 8.8	40 29.5	50 37		
TS 800 4224	HS-314A WJ-114A		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	98.5 6.1	0.30 (+0.10/-0.10) 0.012 (+0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,200		9,400- 10,100	12 8.8	40 29.5	50 37		



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.
TS 350 4201	HL-366 HL-371A			1 1/4 (20/16)	1 5/8 (26/16)	1/4 (4/16)	1/4 (4/16)	60.3 3.67	0.25 (+0.05/-0.05) 0.01 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	2,500		9,500	10.5 8	27.5 20.5		30 22	
TS 400 4223	HS-279D WJ-108A	–	–	–	1 (16/16)	–	–	64.1 3.91	0.30 (+0.10/-0.10) 0.012 (+0.004/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500		9,700	10 7.5	30 22	40 29.5		
	HS-274E	–	–	1 (16/16)	1 (16/16)	–	–												
TS 460 4221	HS-275B	–	–	–	1 (16/16)	–	–	72.4 4.41	0.30 (+0.20/-0.10) 0.012 (+0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,500		9,700	10 7.5	25 18.5	40 29.5	40 29.5	
	HS-276D	–	–	1 (16/16)	1 (16/16)	–	–												
TS 510 4205	HS-280D			1 (16/16)	1 (16/16)	1/2 (8/16)	1/4 (4/16)	89.2 5.43	0.20 (+0.00/-0.05) 0.00812 (+0.000/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	1,800		9,000	7.5 5.5	33 24.5	78 58	40 29.5	
TS 760 4205	HS-281D			1 (16/16)	1 (16/16)	1/2 (8/16)	1/4 (4/16)	111 6.76	0.25 (+0.05/-0.05) 0.01 (+0.002/-0.002)	WSR 6 F BPMR 7 A	0.5 0.02	1,800		9,000 8,200 1)	9.5 7	33 24.5	78 58	50 37	

1) @ 400 mm/16 in

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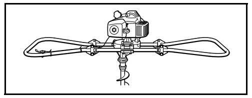
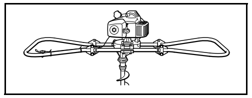


		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m. (n_L)	1/min @ r.p.m. (n_H)	1/min @ r.p.m. (n_R)	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.
BT 45 4314	C1Q-S74		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.67	0.30 (+0.15/-0.15) 0.012 (+0.0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800		9,500	9 6.5	17 12.5	17 12.5		
BT 121 4313	C1Q-S82		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	30.8 1.88	0.30 (+0.20/-0.10) 0.012 (+0.0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800		12 300	10.0 7.5	32 24		24 17.5	12 9



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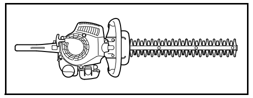
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.
BT 120 C 4313	C1Q-S82		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	30.8 1.88	0.30 (+0.20/-0.10) 0.012 (+0.0.008/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800		12,300	10.0 7.5	32 24		24 17.5	12 9



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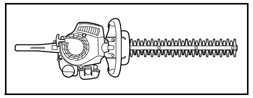
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
HS 45 4228	C1Q-S70 C1Q-S169		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9,500	9 6.5	17 12.5	17 12.5			
HL 45 4232	C1Q-S44 C1Q-S53 C1Q-S58	–	–	–	LD = 2	–	–	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9,500	9 6.5	17 12.5	17 12.5			
	C1Q-S71 C1Q-S66 C1Q-S97 C1Q-S153		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)												
HS 46, 56 C 4242	C1T-S195C			2 (32/16)	1 (16/16)	3/4 (12/16)	3/4 (12/16)	21.4 1.31	0,25 (+0,15/-0,10) 0.01 (+0.006/-0.004)	CMR 6 H	0.5 0.02	2,900	9,300	8 6	25 18.4	17 12.5			
HS 81, 86 4237	C1Q-S105 C1Q-S115B C1Q-S140		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	22,7 1.39	0.25 (+0.15/-0.10) 0.01 (+0.006/-0.004)	USR 7 AC	0,5 0.02	2,800	9,100	9 6.5	25 18.4				
HL 90 4280	C1Q-S131B			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)	28.4 1.73	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC CMR 6 H	0.5 0.02	2,800	10,500	9 6.5	17 12.5		17 12.5		0.1 0.004
HL 100 4280	C1Q-S72 C1Q-S81 C1Q-S88			2 (32/16)	3 (48/16)	3/4 (12/16)	3/4 (12/16)	31.4 1.92	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		0.1 0.004
	C1Q-S110			3 1/2 (56/16)	1 3/16 (19/16)	3/4 (12/16)	3/4 (12/16)												
	C1Q-S131B			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)			USR 7 AC CMR 5 H		2,800	10,500						



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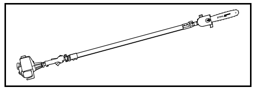
		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
HS 75, 80, 85 4226	C1Q-S29 C1Q-S42	–	–	–	1 (16/16)	–	–	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9.5 7		21 15.5			
	WT 412 A	–	–	1 (16/16)	1 (16/16)	–	–												
HL 73 4235		–	–	–	–	–	–	25.4 1.55	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	CMR 7 A	0.6 0.024	2,800	10,500	10 7.5		21 15.5			
HL 75, FH 75 4230	C1Q-S28 C1Q-S41	–	–	–	1 (16/16)	–	–	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9.5 7		21 15.5			
	C1Q-S45 C1Q-S56	–	–	–	LD = 2	–	–												
	C1Q-S63 C1Q-S69		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)												



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
HT 56 4139	C1M-S145B			1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	3/4 (12/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	CMR 6 H	0.5 0.02	2,800	10,000	9 6.5		20 14.5			
HT 70, 75 4137	C1Q-S28 C1Q-S41	–	–	–	1 (16/16)	–	–	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9 6.5		26 19		14 10	
	C1Q-S45 C1Q-S56	–	–	–	LD = 2	–	–												
	C1Q-S63 C1Q-S69		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)												
HT 100, 101 4182	C1Q-S72 C1Q-S81 C1Q-S88			2 (32/16)	3 (48/16)	3/4 (12/16)	3/4 (12/16)	31.4 1.92	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		0.1 0.004
	C1Q-S110			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)												
	C1Q-S131B			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)			USR 7 AC USR 5 AC			10,500						
HT 130, 131 4182	C1Q-S98			4 (64/16)	2 1/2 (40/16)	3/4 (12/16)	3/4 (12/16)	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	CMR 6 H	0.7 0.03	2,800	10,300- 10,700	9 6.5	17 12.5		17 12.5		0.1 0.004
	C1Q-S130B			4 1/2 (72/16)	2 1/2 (40/16)	3/4 (12/16)	3/4 (12/16)				0.5 0.02		10,500						
HT 250 4134	C1Q-S83		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	40.2 2.45	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	BPMR 7 A	0.5 0.02	2,800	12,300	10 7.5	28 18.5	24 17.5			

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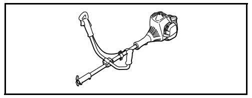
		H L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
HT 73 4142		– –	–	–	–	–	25.4 1.55	0.35 (+0.15/-0.15) 0.014 (+0.006/-0.006)	CMR 7 A	0.5 0.02	3,000	10,000- 11,000	9 6.5	19 14		19 14		



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	n_L 1/min @ r.p.m.	n_R 1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
KM 55 4140	C1M-S145A C1Q-S66 C1Q-S97		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	9,500	9 6.5		17 12.5	17 12.5			
	C1Q-S71		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													
	C1Q-S143 C1Q-S160			2 1/8 (34/16)	1 3/8 (22/16)	3/4 (12/16)	3/4 (12/16)													
KM 56 4144	C1M-S146B C1M-S145A			1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	3/4 (12/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	CMR 6 H	0.5 0.02	2,800	10,000	9 6.5		20 14.5		17 12.5		
KM 85 4137	C1Q-S63 C1Q-S69		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9 6.5		26 19		14 10		
KM 90 4180	C1Q-S110			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)	28.4 1.73	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,500	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
KM 110 4180	C1Q-S72 C1Q-S81 C1Q-S88			2 (32/16)	3 (48/16)	3/4 (12/16)	3/4 (12/16)	31.4 1.92	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	USR 7 AC	0.5 0.02	2,800	10,500	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004
	C1Q-S110 C1Q-S131B			3 1/2 (56/16)	1 1/4 (20/16)	3/4 (12/16)	3/4 (12/16)													
KM 130 4180	C1Q-S98			4 (64/16)	2 1/2 (40/16)	3/4 (12/16)	3/4 (12/16)	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	CMR 6 H	0.7 0.03	2,800	10,500	9 6.5	17 12.5		17 12.5		12 9	0.1 0.004

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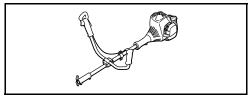

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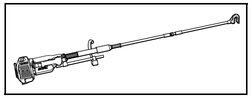
STIHL®

		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
MM 55 4601	C1Q-S79		–	2 (32/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	27.2 1.66	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	8,900	9 6.5		17 12.5	17 12.5			
	C1Q-S93		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)													



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		H	L	H	L	H	L	cc cu.in.	mm in.	BOSCH NGK	mm in.	1/min @ r.p.m.	1/min @ r.p.m.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	Nm lbf.ft.	mm in.
SP 80 4231	C1Q-S80			2 (32/16)	1 1/2 (24/16)	-	-	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9 6.5		26 19		14 10.5		
SP 85 4231	C1Q-S69A		–	1 1/2 (24/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	25.4 1.55	0.30 (+0.15/-0.15) 0.012 (+0.006/-0.006)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	10,500	9 6.5		26 19		14 10.5		
SP 200 4233	C1Q-S83		–	1 3/4 (28/16)	1 (16/16)	3/4 (12/16)	1 (16/16)	36.3 2.22	0.25 (+0.05/-0.10) 0.01 (+0.002/-0.004)	WSR 6 F BPMR 7 A	0.5 0.02	2,800	11,300- 13,300	10 7.5	32 24	24 17.5			12 9	

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