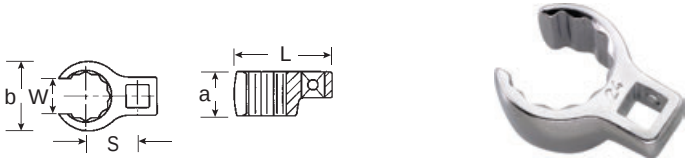


440

CROW-RING spanners



- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench (refer to note on p. 201)



Code	mm	"	L mm	b mm	a mm	S mm	W mm	Δg	
01 190008	8	1/4	23.8	12.7	8	12.3	6.3	11	1
01 190009	9	1/4	28.5	18.2	13.5	14	6.7	21	1
01 190010	10 ¹⁾	1/4	28.4	18.2	13.5	14	7.1	16	1
01 190011	11	1/4	28	18.2	13.5	14	8.6	17	1
01 190012	12 ¹⁾	1/4	30.8	20.6	14	15.7	9	20	1
01 190013	13	1/4	32	22.2	14	16.4	10	30	1
01 190014	14 ¹⁾	1/4	31.7	22.2	14	16.4	11.1	20	1
02 190015	15	3/8	36.5	24.6	17.5	19.1	11.9	34	1
02 190016	16	3/8	36.1	24.6	17.5	19.1	13	27	1
02 190017	17 ²⁾	3/8	39.2	27.3	17.5	20.5	14	40	1
02 190018	18	3/8	40.8	29	18.5	21.3	14.8	45	1
02 190019	19 ²⁾	3/8	40.5	29	18.5	21.3	15.8	40	1
02 190020	20	3/8	42.9	31.3	18.5	22.5	15.8	54	1
02 190021	21	3/8	42.8	31.3	18.5	22.5	16.2	45	1
02 190022	22 ²⁾	3/8	45.3	33.5	19	23.6	17	57	1
02 190023	23	3/8	47.5	35.7	19.5	24.6	17.5	71	1
02 190024	24 ²⁾	3/8	47.3	35.7	19.5	24.6	18	57	1
02 190025	25	3/8	49.3	37.7	20	25.7	19	80	1
02 190026	26	3/8	49.3	37.7	20	25.7	19	63	1
02 190027	27	3/8	52.8	40	21.4	28.2	20	100	1
02 191027	27MB ³⁾	3/8	57.1	42.1	15	29.3	20	92	1
03 190028	28	1/2	56.8	42.1	22.5	29.3	21	120	1
03 190030	30	1/2	63	48	22.5	32.5	22	155	1
03 190032	32	1/2	62.5	48	22.5	32.5	24	145	1
03 190034	34	1/2	64.2	50	24	33.5	27	146	1
03 190036	36	1/2	66.5	51.9	24	34.6	27	150	1
03 190038	38	1/2	68.1	53.9	24	35.6	28.6	147	1
03 190040	40	1/2	71.8	57.9	24.5	37.7	31	160	1
03 190041	41	1/2	71.8	57.9	24.5	37.7	31	169	1
03 190042	42	1/2	71	57.9	24.5	37.7	33.2	189	1
03 190046	46	1/2	77.7	64.2	26	40.9	34.1	215	1
03 190050	50	1/2	83.2	70.5	27.5	44.1	39.7	295	1

¹⁾ for union nuts on fuel injection leads on 4-cylinder Mercedes-Benz diesel engines

²⁾ for use on suction or pressure lines within expansion valve of air conditioning unit (Mercedes-Benz)

³⁾ slim-line version for setting of electronic injection on 440-HP engines Mercedes-Benz series OM 442

440a

CROW-RING spanners



- Chrome Alloy Steel, chrome plated
- Caution! Modified settings on torque wrench

Code	mm	"	L mm	b mm	a mm	S mm	W mm	Δg	
01 490024	3/8 ¹⁾	1/4	28.4	18.2	13.5	14	7.1	16	1
01 490028	7/16	1/4	28	18.2	13.5	14	8.6	14	1
01 490032	1/2	1/4	30.5	20.6	14	15.7	10	19	1
01 490034	9/16	1/4	31.7	22.2	14	16.4	11.1	23	1
02 490036	5/8	3/8	36.5	24.6	17.5	19.1	11.9	33	1
02 490038	11/16	3/8	39.2	27.3	17.5	20.5	14	36	1
02 490040	3/4	3/8	40.9	29	18.5	21.3	14.2	44	1
02 490042	13/16	3/8	42.9	31.3	18.5	22.5	15.8	51	1
02 490044	7/8	3/8	45.2	33.5	19	23.6	17.5	62	1
02 490046	15/16	3/8	47.2	35.7	19.5	24.6	18.3	63	1
02 490048	1	3/8	49.3	37.7	20	25.7	19	71	1
02 490050	1 1/16	3/8	52.8	40	21.4	28.2	20	84	1
03 490052	1 1/8	1/2	56.8	42.1	22.5	29.3	21	110	1
03 490056	1 1/4	1/2	62.5	48	22.5	32.5	23.8	137	1
03 490058	1 5/16	1/2	62.3	48	22.5	32.5	24.6	130	1
03 490060	1 3/8	1/2	64.2	50	24	33.5	27	138	1
03 490062	1 7/16	1/2	66.5	51.9	24	34.6	27	143	1
03 490064	1 1/2	1/2	68.1	53.9	24	35.6	28.6	152	1
03 490065	1 9/16	1/2	70.1	55.9	24	36.7	29.4	172	1
03 490066	1 5/8	1/2	71.8	57.9	24.5	37.7	31	169	1
03 490068	1 3/4	1/2	75.6	62	25.5	39.8	33.2	199	1
03 490069	1 13/16	1/2	77.7	64.2	26	40.9	34.1	229	1
03 490072	2	1/2	83.2	70.5	27.5	44.1	39.7	277	1
03 490076	2 1/4	1/2	91.2	78.7	29.5	48.2	42.8	337	1
03 490077	2 5/16	1/2	93.3	80.9	30	49.2	43.6	309	1
03 490078	2 3/8	1/2	95.2	83	30.5	50.2	46	385	1

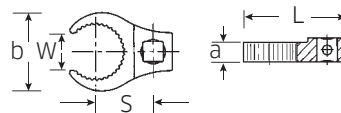
¹⁾ for Volvo aero-engines, types "JAS"

440S MJ

CROW-RING spanners



- HPQ® high performance steel, chrome plated
- supersedes No 440 MJ
- EN 4108
- for pipe unions with straight cylindrical involute toothing
- Caution! Modified settings on torque wrench (refer to note on p. 201)



Code	Threaded nut	mm	"	L mm	b mm	a mm	S mm	W mm	Δg	
01 21 10 10	MJ10	DN04	1/4	31.9	22	8	17	6.5	54	1
01 21 10 14	MJ14	DN06	1/4	36.5	27	8	19.5	8.5	29	1
02 21 10 16	MJ16	DN08	3/8	43.8	31	8	24	10.5	46	1
02 21 10 18	MJ18	DN10	3/8	45.2	33	8	25	13	47	1
02 21 10 20	MJ20	DN12	3/8	46.2	35	8	26	15	49	1
02 21 10 22	MJ22	DN14	3/8	48.4	37	9	27	17.5	54	1
02 21 10 24	MJ24	DN16	3/8	49.5	39	9	28	19.7	56	1
02 21 10 27	MJ27	DN18	3/8	54.4	44	10	31	21.5	70	1
02 21 10 30	MJ30	DN20	3/8	60.8	50	10	36	23.7	93	1