

NON SPARKING TOOLS SERIES

(material: AL-CU or BE-CU)

(1) Al:0.15% Fe:0.15% Si:0.15% Ni:0.2-0.4% Ti:0.1-0.25% Be:1.8-2.0% Cu:0.6%

(2) Al:9-10% Mn:3-5% Fe:3-4% Ni:5% Cu

(3) Al:9% Co:8% Ni:2-3% Cu

NON SPARKING DOUBLE BOX WRENCH

2001



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	5.5*7	110	30	33	101A	1/4*5/16
102	6*7	120	30	34	102A	5/16*3/18
103	7*9	125	30	35	103A	3/8*7/16
104	8*9	130	50	55	104A	7/16*1/2
105	8*10	130	50	56	105A	1/2*9/16
106	9*11	150	70	78	106A	1/2*19/32
107	10*11	152	70	78	107A	9/16*5/8
108	10*12	160	70	78	108A	5/8*3/4
109	10*13	165	70	78	109A	11/16*25/32
110	11*12	170	70	78	110A	3/4*7/8
111	12*13	175	90	100	111A	13/16*7/8
112	10*14	180	80	88.5	112A	15/16*1
113	11*14	180	80	88.5	113A	15/16*1-1/16
114	12*14	180	90	99.6	114A	1*1-1/8
115	13*15	200	90	99.6	115A	1-1/16*1-1/8
116	14*15	215	170	188.1	116A	1-1/16*1-1/4
117	14*17	220	170	188.1	117A	1-1/8*1-5/16
118	16*17	240	220	243.4	118A	1-1/8*1-1/2
119	16*18	240	220	243.4	119A	1-1/4*1-7/16
120	17*19	240	210	232.4	120A	1-7/16*1-5/8
121	18*19	165	220	243.4	121A	1-7/8*1-13/16
122	17*22	270	220	243.4	122A	1-13/16*2
123	19*22	270	310	343	123A	2*2-3/16
124	19*24	270	310	343	124A	2-2-3/8
125	20*22	290	320	354	125A	2-3/16*2-3/8
126	21*23	295	350	387.4	126A	2-9/16*2-3/4
127	22*24	300	370	409.4	127A	2-3/4*2-15/16
128	24*26	320	470	520		
129	24*27	350	470	520		
130	24*30	358	470	520		
131	25*28	360	490	542		
132	27*30	360	660	730		
133	27*32	380	660	730		
134	30*32	390	750	830		
135	30*34	395	750	830		
136	30*36	395	740	819		
137	32*34	399	1040	1151		
138	32*36	415	1000	1106		
139	34*36	415	1000	1106		
140	36*38	395	1150	1273		
141	36*41	395	1160	1283		
142	38*41	395	1155	1278		
143	41*46	410	1420	1572		
144	46*50	440	2000	2329		
145	50*55	460	2330	2579		
146	50*60	500	2480	2745		
147	55*60	500	2450	2712		
148	65*70	540	4140	4582		
149	70*75	540	3860	4272		

NON SPARKING DOUBLE BOX WRENCH SET

2002



NO.	Size(mm)	Detail	Al-Cu(g)	Be-Cu(g)
101	6pcs	5.5*7,8*10,12*14,14*17,17*19,22*24	920	1019
102	8pcs	5.5*7,8*10,10*12,12*14,14*17,17*19,22*24,24*27	1460	1616
103	11pcs	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32	3220	3564
104	13pcs	5.5*7,6*7,8*10,10*12,9*11,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32	3280	3630

NON SPARKING ADJUSTABLE WRENCH

2003



NO.	L(mm)	Smax(mm)	Al-Cu(g)	Be-Cu(g)
101	100	13	30	33.2
102	150	18	120	133
103	200	24	200	227
104	250	30	400	455
105	300	36	700	775
106	375	46	1210	1339
107	450	55	1440	1594
108	600	65	3320	3674

NON SPARKING DOUBLE OPEN END WRENCH

2004



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No	Size(mm)
101	5.5*7	90	20	23	101A	1/4*5/16
102	6*7	90	20	26	102A	5/16*3/8
103	6*8	90	20	32	103A	3/8*7/16
104	7*8	100	30	37	104A	7/16*1/2
105	7*9	100	30	39	105A	1/2*9/16
106	8*9	100	35	45	106A	1/2*19/32
107	8*10	100	35	47	107A	9/16*5/8
108	9*10	110	40	50	108A	5/8*3/4
109	9*11	110	40	50	109A	11/16*25/32
110	10*11	110	44	51	110A	3/4*7/8
111	10*12	120	44	51	111A	13/16*7/8
112	10*14	120	44	54	112A	15/16*1
113	11*13	120	44	54	113A	15/16*1-1/16
114	12*13	120	55	63	114A	1*1-1/8
115	12*14	130	65	74	115A	1-1/16*1-1/8
116	13*14	130	65	74	116A	1-1/16*1-1/4
117	14*15	140	80	91	117A	1-1/8*1-5/16
118	13*17	150	100	112	118A	1-1/8*1-1/2
119	14*17	150	100	112	119A	1-1/4*1-7/16
120	16*17	160	150	169	120A	1-7/16*1-5/8
121	16*18	160	152	173	121A	1-5/8*1-13/16
122	17*19	170	180	200	122A	1-13/16*2
123	17*22	180	200	224	123A	2*2-3/16
124	18*19	175	190	210	124A	2-2-3/8
125	19*24	210	200	218	126A	2-9/16*2-3/4
126	20*22	196	220	247	127A	2-3/4*2-15/16
127	21*23	210	240	270		
128	22*24	210	240	270		
129	22*27	220	260	292		
130	23*26	230	285	314		
131	24*26	230	285	316		
132	24*27	230	285	317		
133	24*30	230	400	448		
134	25*28	230	285	316		
135	27*30	250	400	447		
136	27*32	250	400	448		
137	30*32	250	510	573		
138	30*36	270	630	706		
139	32*34	284	662	745		
140	32*36	290	630	709		
141	34*36	298	650	731		
142	36*38	312	690	777		
143	36*41	315	885	996		
144	38*41	340	885	996		
145	41*46	365	1200	1351		
146	46*50	400	1385	1745		
147	50*55	435	1623	1834		
148	50*60	475	2298	2711		
149	55*60	475	2348	3989		
150	60*65	525	3548	4108		
151	65*70	575	5038	5672		

NON SPARKING DOUBLE OPEN END WRENCH SET

2005



NO.	Size(mm)	Detail	Al-Cu(g)	Be-Cu(g)
101	6pcs	5.5*7,8*10,12*14,14*17,17*19,22*24	610	675
102	8pcs	5.5*7,8*10,10*12,12*14,14*17,17*19,22*24,24*27	939	1039
103	11pcs	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32	2074	2295
104	13pcs	5.5*7,6*7,8*10,10*12,9*11,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32	2114	2339

NON SPARKING PIPE WRENCH

2006



NO.	L(mm)	Smax(mm)	Al-Cu(g)	Be-Cu(g)
101	200	25	460	509
102	250	30	460	509
103	300	40	680	753
104	350	50	960	1063
105	450	60	1540	1704
106	600	75	2300	2545
107	900	85	3600	3984
108	1200	110	6000	6640

NON SPARKING PIPE WRENCH

2006A



NO.	L(mm)	Smax(mm)	Al-Cu(g)	Be-Cu(g)
101	200	34	510	564
102	250	48	840	930
103	300	50	1330	1472
104	350	60	1610	1782
105	450	76	2400	2656

NON SPARKING CHAIN PIPE WRENCH

2006B



NO.	L(mm)	D(mm)	Al-Cu(g)	Be-Cu(g)
101	600	100	2868	3174
102	600	150	3500	3873
103	900	200	8000	8853
104	900	300	9000	9960

NON SPARKING BELT PIPE WRENCH

2006C



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	300*425	700	775

NON SPARKING COMBINATION WRENCH

2007



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	6	75	20	22.1	101A	1/4"
102	7	85	20	22.1	102A	5/16"
103	8	90	20	22.1	103A	3/8"
104	9	100	50	55.4	104A	7/16"
105	10	110	50	55.4	105A	1/2"
106	11	120	60	66.4	106A	9/16"
107	12	125	60	66.4	107A	19/32"
108	13	135	80	88.5	108A	5/8"
109	14	145	90	99.6	109A	11/16"
110	15	150	90	99.6	110A	3/4"
111	16	160	150	166	111A	13/16"
112	17	165	150	166	112A	7/8"
113	18	180	160	177	113A	15/16"
114	19	190	160	177	114A	1"
115	20	205	200	221	115A	1-1/16"
116	21	215	200	221	116A	1-1/8"
117	22	230	230	254	117A	1-3/16"
118	23	240	230	254	118A	1-1/4"
119	24	260	270	298	119A	1-5/16"
120	25	265	290	321	120A	1-3/8"
121	26	270	370	409	121A	1-5/8"
122	27	283	370	409	122A	1-13/16"
123	30	300	510	564.4	123A	2"
124	32	330	640	708	124A	2-3/16"
125	34	330	890	950		
126	35	345	990	1096		
127	36	345	990	1096		
128	38	345	1460	1650		
129	41	385	1500	1660		
130	46	425	1730	1915		
131	50	455	2220	2457		
132	55	458	2080	2302		
133	60	495	2610	2888		
134	65	550	2760	3010		
135	70	600	4070	4540		

NON SPARKING COMBINATION WRENCH SET

2008



NO.	Size(mm)	Detail	Al-Cu(g)	Be-Cu(g)
101	6pcs	10.12.14.17.19.22	700	755
102	9pcs	8.10.12.14.17.19.22.24.27	1360	1505
103	11pcs	8.10.12.14.17.19.22.24.27.30.32	2510	2778
104	13pcs	6.8.9.10.12.14.17.19.22.24.27.30.32	2600	2877

NON SPARKING BUNG WRENCH

2009



NO.	Type	L(mm)	Al-Cu(g)	Be-Cu(g)
101	单头 Single	300	920	1018
102	双头 Double	350	1400	1549

NON SPARKING BUNG WRENCH

2009A



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	385	1200	1300

NON SPARKING STRIKING BOX WRENCH

2010



NON SPARKING STRIKING BOX WRENCH

2010A



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	24	160	330	360
102	27	178	430	475
103	30	185	525	610
104	32	190	525	612
105	36	200	620	810
106	41	240	840	920
107	46	250	1200	1330
108	50	280	1580	1750
109	55	300	1990	2175
110	60	320	2150	2340
111	65	330	2450	2580
112	70	350	3020	3185
113	75	370	4110	4585
114	80	380	4505	5010

NON SPARKING STRIKING HEXAGONAL WRENCH

2011



NON SPARKING STRIKING BOX WRENCH

2012



NON SPARKING STRIKING HEXAGONAL WRENCH

2013



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	17	150	140	155
102	19	150	140	150
103	22	166	250	277
104	24	166	240	266
105	27	178	300	332
106	30	185	370	409
107	32	185	370	409
108	34	207	570	630
109	36	207	580	642
110	38	225	680	753
111	41	225	860	952
112	46	238	1000	1107
113	50	255	1250	1383
114	55	268	1870	2069
115	60	280	1860	2058
116	65	300	2560	2833
117	70	325	2530	2800
118	75	328	3300	3652
119	80	350	3520	3895
120	85	350	4200	4648
121	90	390	4500	4980
122	95	390	4300	4758
123	100	442	5970	6606
124	105	420	6140	6795
125	110	450	6320	6994
126	115	450	6400	7050
127	120	487	6600	7260
128	125	487	6730	7403

NON SPARKING CONVEX BOX WRENCH

2014



NON SPARKING CONVEX HEXAGONAL WRENCH

2014A



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	117	185	205	101A	11/16"
102	19	122	210	232	102A	3/4"
103	22	132	300	332	103A	7/8"
104	24	152	300	332	104A	1"
105	27	172	500	553	105A	1-1/16"
106	30	192	500	553	106A	1-1/8"
107	32	200	720	797	107A	1-3/16"
108	34	214	810	896	108A	1-1/4"
109	36	220	770	852	109A	1-3/8"
110	38	226	1000	1107	110A	1-13/32"
111	41	236	960	1062	111A	1-1/2"
112	46	246	1200	1328	112A	1-5/8"
113	50	261	2000	2214	113A	1-3/4"
114	55	276	1770	1959	114A	1-13/16"
115	60	286	2400	2656	115A	2"
116	65	296	3500	3873	116A	2-1/16"
117	70	312	3240	3586	117A	2-3/16"
118	75	327	4700	5201	118A	2-5/16"
119	80	337	4800	5312	119A	2-3/8"
120	85	337	4900	5423	120A	2-1/2"
121	90	368	6100	6750	121A	2-9/16"

NON SPARKING OCTAGONAL WRENCH

2015



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No	Size(mm)
101	17	150	150	166	101A	11/16"
102	19	150	150	166	102A	3/4"
103	22	166	220	243	103A	7/8"
104	24	166	240	267	104A	1"
105	27	178	260	287	105A	1-1/16"
106	30	185	430	476	106A	1-1/8"
107	32	185	410	454	107A	1-3/16"
108	34	207	610	675	108A	1-1/4"
109	36	207	580	642	109A	1-3/8"
110	38	225	800	885	110A	1-13/32"
111	41	225	660	730	111A	1-1/2"
112	46	238	900	996	112A	1-5/8"
113	50	255	1200	1328	113A	1-3/4"
114	55	268	1400	1549	114A	1-13/16"
115	60	280	1800	1992	115A	2"
116	65	300	2100	2324	116A	2-1/16"
117	70	325	2500	2767	117A	2-3/16"
118	75	328	2700	2988	118A	2-5/16"
119	80	350	3300	3652	119A	2-3/8"
120	85	350	3500	3873	120A	2-1/2"
121	90	390	4100	4537	121A	2-9/16"
122	95	390	4300	4760	122A	2-5/8"
123	100	442	4800	5312	123A	2-3/4"
124	105	420	5700	6308	124A	2-13/16"
125	110	450	6340	7016	125A	2-15/16"
126	115	450	8150	9019	126A	3"
127	120	487	9820	10867	127A	3-1/16"
128	125	487	9630	10567	128A	3-1/8"
129	130	510	11400	12616	129A	3-3/8"
130	135	510	11280	12483	130A	3-3/4"
131	140	520	11750	13003	131A	3-7/8"
132	145	520	11430	12649	132A	4"
133	150	560	13050	14442	133A	4-1/8"
134	155	600	13550	14910	134A	4-3/8"

NON SPARKING STRAIGHT BOX WRENCH

2016



NON SPARKING 15° SINGLE BOX WRENCH

2016A



NON SPARKING SINGLE BOX WRENCH

2016B



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	200	140	154	101A	11/16"
102	19	210	150	166	102A	3/4"
103	22	210	200	220	103A	7/8"
104	24	230	240	264	104A	1"
105	27	230	400	440	105A	1-1/16"
106	30	263	400	440	106A	1-1/8"
107	32	275	500	550	107A	1-3/16"
108	34	290	700	845	108A	1-1/4"
109	36	307	600	660	109A	1-3/8"
110	38	308	640	705	110A	1-13/32"
111	41	320	850	930	111A	1-1/2"
112	46	340	950	1045	112A	1-5/8"
113	50	360	1300	1430	113A	1-3/4"
114	55	380	1460	1605	114A	1-13/16"
115	60	400	1870	2058	115A	2"
116	65	420	2570	2826	116A	2-1/16"
117	70	440	3000	3300	117A	2-3/16"
118	75	460	3460	3805	118A	2-5/16"
119	80	490	3780	4160	119A	2-3/8"

NON SPARKING STRAIGHT HEXAGONAL WRENCH

2017



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	200	140	155	101A	11/16"
102	19	210	150	166	102A	3/4"
103	22	210	200	221	103A	7/8"
104	24	230	240	266	104A	1"
105	27	230	400	442	105A	1-1/16"
106	30	263	400	442	106A	1-1/8"
107	32	275	500	553	107A	1-3/16"
108	34	290	700	775	108A	1-1/4"
109	36	307	600	664	109A	1-3/8"
110	38	308	640	708	110A	1-13/32"
111	41	320	850	941	111A	1-1/2"
112	46	340	950	1051	112A	1-5/8"
113	50	360	1300	1439	113A	1-3/4"
114	55	380	1460	1616	114A	1-13/16"
115	60	400	1870	2069	115A	2"
116	65	420	2570	2844	116A	2-1/16"
117	70	440	3000	3320	117A	2-3/16"
118	75	460	3460	3805	118A	2-5/16"
119	80	490	3780	4160	119A	2-3/8"

NON SPARKING BENT BOX WRENCH

2018



NON SPARKING BENT HEXAGONAL WRENCH

2019



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	200	130	144	101A	11/16"
102	19	210	170	188	102A	3/4"
103	22	210	160	177	103A	7/8"
104	24	230	270	299	104A	1"
105	27	230	370	409	105A	1-1/16"
106	30	263	460	509	106A	1-1/8"
107	32	275	570	631	107A	1-3/16"
108	34	290	710	786	108A	1-1/4"
109	36	307	700	775	109A	1-3/8"
110	38	308	850	941	110A	1-13/32"
111	41	320	900	996	111A	1-1/2"
112	46	340	1030	1140	112A	1-5/8"
113	50	360	1460	1616	113A	1-3/4"
114	55	380	1750	1937	114A	1-13/16"
115	60	400	2240	2479	115A	2"
116	65	420	3200	3541	116A	2-1/16"
117	70	440	3390	3752	117A	2-3/16"
118	75	470	3930	4349	118A	2-5/16"
119	80	490	3740	4139	119A	2-3/8"

NON SPARKING CONSTRUCTION BOX WRENCH

2020



NON SPARKING CONSTRUCTION BOX WRENCH

2021



NON SPARKING CONSTRUCTION HEXAGONAL WRENCH

2020A



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	238	220	243	101A	11/16"
102	19	254	260	288	102A	3/4"
103	22	268	310	343	103A	7/8"
104	24	288	360	398	104A	1"
105	27	294	440	487	105A	1-1/16"
106	30	302	500	554	106A	1-1/8"
107	32	309	600	664	107A	1-3/16"
108	34	319	740	819	108A	1-1/4"
109	36	326	710	786	109A	1-3/8"
110	38	354	940	1040	110A	1-13/32"
111	41	375	880	974	111A	1-1/2"
112	46	389	1050	1162	112A	1-5/8"
113	50	418	1300	1437	113A	1-3/4"
114	55	418	1480	1837	114A	1-13/16"
115	60	449	2050	2269	115A	2"
116	65	460	2410	2267	116A	2-1/16"
117	70	498	2970	3287	117A	2-3/16"
118	75	510	3370	3700	118A	2-5/16"
119	80	536	3750	4120	119A	2-3/8"

NON SPARKING CONSTRUCTION HEXAGONAL WRENCH

2021A



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	238	230	255	101A	11/16"
102	19	254	260	288	102A	3/4"
103	22	268	300	332	103A	7/8"
104	24	288	370	409	104A	1"
105	27	294	420	465	105A	1-1/16"
106	30	302	550	609	106A	1-1/8"
107	32	309	620	686	107A	1-3/16"
108	34	319	760	841	108A	1-1/4"
109	36	326	700	775	109A	1-3/8"
110	38	354	850	940	110A	1-13/32"
111	41	375	960	1062	111A	1-1/2"
112	46	389	1160	1284	112A	1-5/8"
113	50	418	1440	1593	113A	1-3/4"
114	55	418	1700	1881	114A	1-13/16"
115	60	449	2270	2512	115A	2"
116	65	460	2510	2778	116A	2-1/16"
117	70	498	3960	3288	117A	2-3/16"
118	75	510	3370	3700	118A	2-5/16"
119	80	536	3750	4120	119A	2-3/8"

NON SPARKING STRIKING OPEN END WRENCH

2022



NON SPARKING BENT STRIKING OPEN END WRENCH

2023



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	120	110	122	101A	11/16"
102	19	125	122	135	102A	3/4"
103	22	137	180	199	103A	7/8"
104	24	152	180	199	104A	1"
105	27	174	400	443	105A	1-1/16"
106	30	190	430	476	106A	1-1/8"
107	32	190	430	476	107A	1-3/16"
108	34	200	510	564	108A	1-1/4"
109	36	210	610	675	109A	1-3/8"
110	38	218	920	1018	110A	1-13/32"
111	41	232	900	996	111A	1-1/2"
112	46	248	1080	1195	112A	1-5/8"
113	50	272	1430	1583	113A	1-3/4"
114	55	294	1740	1926	114A	1-13/16"
115	60	311	2160	2390	115A	2"
116	65	330	2520	2789	116A	2-1/16"
117	70	366	3160	3497	117A	2-3/16"
118	75	375	3430	3796	118A	2-5/16"
119	80	394	4740	5245	119A	2-3/8"
120	85	393	4860	5378	120A	2-1/2"
121	90	440	6010	6651	121A	2-9/16"
122	95	440	5990	6629	122A	2-5/8"
123	100	480	7370	8156	123A	2-3/4"
124	105	480	7720	8543	124A	2-13/16"
125	110	506	8990	9948	125A	2-15/16"
126	115	506	9770	10812	126A	3"
127	120	515	11010	12184	127A	3-1/16"

NON SPARKING SINGLE OPEN END WRENCH

2024



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	145	75	83	101A	11/16"
102	19	150	90	99.6	102A	3/4"
103	22	180	130	144	103A	7/8"
104	24	190	160	177	104A	1"
105	27	220	220	243	105A	1-1/16"
106	30	250	390	431	106A	1-1/8"
107	32	270	410	454	107A	1-3/16"
108	34	300	550	609	108A	1-1/4"
109	36	300	550	609	109A	1-3/8"
110	38	310	680	752	110A	1-13/32"
111	41	320	660	730	111A	1-1/2"
112	46	345	980	1084	112A	1-5/8"
113	50	360	1120	1239	113A	1-3/4"
114	55	400	1570	1737	114A	1-13/16"
115	60	430	2080	2301	115A	2"
116	65	435	2440	2700	116A	2-1/16"
117	70	445	2800	3098	117A	2-3/16"
118	75	460	3440	3806	118A	2-5/16"
119	80	485	3890	4305	119A	2-3/8"

NON SPARKING BENT OPEN END WRENCH

2022



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	145	90	99.6	101A	11/16"
102	19	160	130	144	102A	3/4"
103	22	190	190	210	103A	7/8"
104	24	200	210	232	104A	1"
105	27	230	300	332	105A	1-1/16"
106	30	260	470	520	106A	1-1/8"
107	32	280	560	620	107A	1-3/16"
108	34	300	800	885	108A	1-1/4"
109	36	300	800	885	109A	1-3/8"
110	38	320	980	1085	110A	1-13/32"
111	41	325	980	1085	111A	1-1/2"
112	46	350	1280	1416	112A	1-5/8"
113	50	365	1400	1549	113A	1-3/4"
114	55	400	1930	2136	114A	1-13/16"
115	60	410	2820	3120	115A	2"

NON SPARKING CONSTRUCTION OPEN END WRENCH

2026



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	17	270	220	243	101A	11/16"
102	19	270	270	299	102A	3/4"
103	22	280	300	332	103A	7/8"
104	24	290	510	564	104A	1"
105	27	310	450	498	105A	1-1/16"
106	30	320	500	553	106A	1-1/8"
107	32	340	660	730	107A	1-3/16"
108	34	360	820	907	108A	1-1/4"
109	36	360	840	930	109A	1-3/8"
110	38	370	1100	1217	110A	1-13/32"
111	41	370	1100	1217	111A	1-1/2"
112	46	390	1200	1328	112A	1-5/8"
113	50	410	1600	1770	113A	1-3/4"
114	55	430	1950	2158	114A	1-13/16"
115	60	460	2670	2955	115A	2"
116	65	480	3260	3607	116A	2-1/16"
117	70	500	3740	4139	117A	2-3/16"
118	75	520	4410	4880	118A	2-5/16"
119	80	540	5070	5611	119A	2-3/8"

NON SPARKING UNIVERSAL WRENCH

2027



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	5-20	210	340	376
102	10-30	250	480	531
103	15-40	360	980	1084
104	30-60	410	1280	1416

NON SPARKING RAPID REINFORCEMENT WRENCH

2028



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	17	400	740	819
102	19	400	740	819
103	22	410	860	952
104	24	410	860	952
105	27	440	1940	2147
106	30	560	2610	2888
107	32	540	2680	2966

NON SPARKING T-TYPE SOCKET WRENCH

2029



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	14	160	450	498
102	19	165	410	454
103	24	165	470	520
104	27	215	810	896
105	32	240	1080	1195

NON SPARKING HEX KEY WRENCH

2030



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3	55	4	4.43
102	4	72	12	13.3
103	5	81	20	22.1
104	6	98	36	39.8
105	8	98	64	71
106	10	115	110	122
107	12	126	168	186
108	14	145	280	310
109	17	172	476	527
110	19	200	654	924
111	22	210	990	1096
112	24	250	1320	1461

NON SPARKING HEX KEY WRENCH SET

2030A



NO.	Size(mm)	Detail	Al-Cu(g)	Be-Cu(g)
101	7pcs	3/4/5/6/8/10/12	414	552
102	11pcs	3/4/5/6/8/10/12/14/17/19/22	1170	1295
103	13pcs	3/4/5/6/8/10/12/14/17/19/22/24/27	5909	6539

NON SPARKING T-TYPE HEX KEY WRENCH

2030B



NO.	Size(mm)	L(mm)	NO.	Size(mm)	L(mm)
101	3	55	107	12	126
102	4	72	108	14	145
103	5	81	109	17	172
104	6	98	110	19	200
105	8	98	111	22	210
106	10	115	112	24	250

NON SPARKING 28 PCS TOOLS SET

2031



75mm, 100mm, 125mm
75mm, 100mm, 125mm
8, 9, 10, 11, 12, 13, 14
6*7, 8*10
5.5*7, 8*10, 10*12, 12*14

SOCKET

2032 2033 2034



2033 3/4" 17~50mm, 3/4"~2"

NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	NO.	Size(mm)
101	17	50	210	232	101A	3/16"
102	18	50	210	232	102A	13/16"
103	19	50	225	249	103A	7/8"
104	21	50	220	243	104A	15/16"
105	22	50	245	271	105A	1"
106	23	50	245	271	106A	1-1/16"
107	24	58	280	310	107A	1-5/16"
108	26	60	300	332	108A	1-3/8"
109	27	60	300	332	109A	1-7/16"
110	30	65	370	409	110A	1-1/2"
111	32	65	380	421	111A	1-5/8"
112	34	65	410	454	112A	1-3/4"
113	36	65	465	515	113A	1-1/8"
114	38	65	510	564	114A	1-3/16"
115	41	70	640	708	115A	1-1/4"
116	46	70	705	780	116A	1-13/16"
117	50	70	840	930	117A	1-7/8"

2032 1/2" 6~32mm 5/16~1-7/16"

NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	6	38	48	54	101A	5/16"
102	7	38	48	54	102A	3/8"
103	8	38	48	54	103A	7/16"
104	9	40	50	56	104A	1/2"
105	10	40	50	56	105A	9/16"
106	11	40	74	82	106A	5/8"
107	12	40	66	73	107A	11/16"
108	13	40	66	73	108A	3/4"
109	14	40	60	67	109A	13/16"
110	15	40	74	82	110A	7/8"
111	16	40	62	70	111A	15/16"
112	17	40	80	89	112A	1"
113	18	42	92	100	113A	1-1/16"
114	19	42	90	100	114A	1-1/4"
115	20	42	100	110	115A	1-7/16"
116	21	43	125	138	116A	1-1/2"
117	22	43	130	144		
118	23	43	160	177		
119	24	43	170	188		
120	25	43	170	188		
121	26	43	190	207		
122	27	46	215	235		
123	28	46	225	245		
124	29	46	230	250		
125	30	46	260	285		
126	32	46	270	300		

2034 1" 22-80mm, 7/8"~3"

NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)	No.	Size(mm)
101	22	50	310	343	101A	1-1/16"
102	24	60	360	398	102A	1-1/8"
103	25	60	400	443	103A	1-3/16"
104	26	60	420	465	104A	1-1/4"
105	27	60	420	465	105A	1-5/16"
106	28	60	440	487	106A	1-3/8"
107	29	60	460	509	107A	1-7/16"
108	30	65	480	530	108A	1-1/2"
109	32	65	480	530	109A	1-5/8"
110	34	65	500	553	110A	1-13/16"
111	36	65	500	553	111A	1-7/8"
112	38	70	560	620	112A	2"
113	41	70	625	692	113A	2-1/4"
114	46	70	740	819	114A	2-1/2"
115	50	70	850	960	115A	2-3/4"
116	55	80	1000	1160	116A	3"
117	60	85	1260	1390		
118	65	90	1410	1550		
119	70	90	1550	1715		
120	75	95	2026	2279		
121	80	95	2280	2523		

NON SPARKING 1/2" SOCKET

2035



2035-101 9	(10mm 11mm 12mm 14mm 17mm 19mm 22mm 24mm 1/2"200mm)
2035-102 24	(10mm 11mm 12mm 13mm 14mm 15mm 16mm 17mm 18mm 19mm 20mm 21mm 22mm 23mm 24mm 27mm 30mm 32mm)
2035-103 15	(6mm 8mm 10mm 11mm 12mm 14mm 17mm 19mm 22mm 24mm 27mm)
2035-104 17	(10mm 11mm 12mm 14mm 17mm 19mm 22mm 24mm 27mm 30mm 32mm)
2035-105 28	(10mm 11mm 12mm 13mm 14mm 15mm 16mm 17mm 18mm 19mm 20mm 21mm 22mm 23mm 24mm 26mm 27mm 28mm 30mm 32mm)
2035-106 32	(8mm 9mm 10mm 11mm 12mm 13mm 14mm 15mm 16mm 17mm 18mm 19mm 20mm 21mm 22mm 23mm 24mm 26mm 27mm 28mm 30mm 32mm)

NON SPARKING 3/4", 1" SOCKET

2036



2036-101 21	(19mm 21mm 22mm 23mm 24mm 26mm 27mm 28mm 29mm 30mm 32mm 34mm 36mm 38mm 41mm 46mm 50mm)
2036-102 26	(21mm 22mm 23mm 24mm 26mm 27mm 28mm 29mm 30mm 31mm 32mm 34mm 36mm 38mm 41mm 46mm 50mm 55mm 60mm 65mm)
2036-103 18	(30 mm31mm 32mm 34mm 36mm 38mm 41mm 46mm50mm 55mm 60mm 65mm 70mm 75mm 80mm)
2036-104 14	(22mm 24mm 27mm 30mm 32mm 34mm 35mm 36mm 38mm 41mm 46mm)

NON SPARKING SLIDING T HANDLE

2037



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	250	300	332
102	3/4"	500	1940	2147
103	1"	500	3160	2390

NON SPARKING EXTENSION BAR

2038



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	100	225	345
102	1/2"	200	320	354
103	1/2"	250	455	504
104	3/4"	100	430	475
105	3/4"	200	1000	1106
106	3/4"	250	1250	1383

NON SPARKING OFFSET HANDLE

2039



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	130	210	232
102	3/4"	200	900	966
103	1"	300	1060	1160

NON SPARKING OFFSET HANDLE

2040



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3/8"	200	131	346
102	1/2"	235	410	453
103	3/4"	300	1000	1106
104	1"	525	1300	1438

NON SPARKING CONSTRUCTION RATCHET WRENCH

2040A



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3/8"	200	300	332
102	1/2"	250	350	387
103	3/4"	300	420	465
104	1"	500	1200	1328

NON SPARKING RATCHET WRENCH

2040B



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3/8"	200	260	288
102	1/2"	235	610	675
103	3/4"	400	1640	1815
104	1"	525	3000	3320

NON SPARKING OXYGEN WRENCH

2041



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3/8"	165	220	243
102	1/2"	200	400	443

NON SPARKING OXYGEN WRENCH

2041



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	8	130	120	133
102	10	140	160	177
103	12	140	160	177
104	14	150	200	243
105	17	170	260	288
106	19	180	450	498
107	22	190	650	719
108	24	200	860	952
109	27	200	1000	1106
110	30	200	1210	1339
111	32	200	1300	1439
112	36	200	1740	1926

NON SPARKING F VALVE WRENCH

2043



No.	S(mm)	L(mm)	H-(mm)	Al-Cu(g)	Be-Cu(g)
101	20	200	40	200	223
102	25	250	50	350	387
103	30	300	52	590	653
104	35	350	55	510	564
105	40	375	60	750	830
106	45	400	75	1170	1295
107	50	450	80	1200	1328
108	55	500	82	1400	1549
109	60	550	88	1860	2058
110	65	600	90	2020	2235
111	70	650	100	2270	2512
112	75	700	100	2600	2877
113	80	750	110	2900	3209
114	90	800	120	3060	3386
115	95	850	120	3250	3597
116	100	900	120	3515	3890
117	100	1000	120	3790	4200
118	100	1200	120	5520	6109

NON SPARKING F VALVE WRENCH

2043A



No.	S(mm)	L(mm)	H-(mm)	Al-Cu(g)	Be-Cu(g)
101	20	200	40	200	223
102	25	250	50	350	387
103	30	300	52	590	653
104	35	350	55	510	564
105	40	375	60	750	830
106	45	400	75	1170	1295
107	50	450	80	1200	1328
108	55	500	82	1400	1549
109	60	550	88	1860	2058
110	65	600	90	2020	2235
111	70	650	100	2270	2512
112	75	700	100	2600	2877
113	80	750	110	2900	3209
114	90	800	120	3060	3386
115	95	850	120	3250	3597
116	100	900	120	3515	3890
117	100	1000	120	3790	4200
118	100	1200	120	5520	6109

NON SPARKING PINCH BAR

2044



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	300	16	450	498
102	400	16	930	1030
103	500	18	1170	1295
104	500	20	1184	1310
105	600	20	1420	1571
106	700	22	1920	2125
107	800	25	2800	3100
108	900	26	3100	3431
109	1000	28	4000	4426
110	1100	30	5900	6529
111	1200	30	6050	6659
112	1500	32	7070	7184

NON SPARKING FLAT CHISEL

2045



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	160	16	380	420
102	160	18	470	520
103	180	20	560	642
104	200	20	580	650
105	250	22	630	697
106	300	24	800	885
107	400	25	1320	1460
108	500	25	2320	2567
109	500	30	2420	2678

NON SPARKING VALVE WRENCH

2046



No.	S(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	12	190	145	160
102	14	250	261	289
103	16	260	285	315
104	17	300	366	405
105	19	350	662	733
106	22	400	896	992
107	24	450	1800	1990
108	27	600	2300	2545

NON SPARKING PINCH BAR

2046A



No.	L(mm)	B(mm)	Al-Cu(g)	Be-Cu(g)
101	175	43	130	118

NON SPARKING PINCH BAR

2047



NO.	Size(g)	Size(lb)	L(mm)	Weight(g)
101	1350	3	350	1660
102	1800	4	355	2060
103	2300	5	400	2600
104	2700	6	400	3000
105	3600	8	900	4920
106	4500	10	900	5820
107	5400	12	1000	6720
108	6300	14	1000	7720
109	7200	16	1200	8300
110	8100	18	1200	9200
111	9000	20	1200	10000
112	9900	22	1200	11200
113	10800	24	1200	11900

NON SPARKING GERMAN TYPE SLEDGE HAMMER

2047A



NO.	Size(g)	Size(lb)	L(mm)	Weight(g)
101	1350	3	350	1660
102	1800	4	355	2060
103	2300	5	400	2600
104	2700	6	400	3000
105	3600	8	900	4920
106	4500	10	900	5820
107	5400	12	1000	6720
108	6300	14	1000	7720
109	7200	16	1200	8300
110	8100	18	1200	9200
111	9000	20	1200	10000
112	9900	22	1200	11200
113	10800	24	1200	11900

NON SPARKING WEDGE

2048



No.	L(mm)	B(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	80	13	6	23	25
102	100	50	10	185	201
103	135	50	18	455	497
104	150	40	8	180	200
105	150	25	8	112	122
106	150	25	13	185	205
107	150	50	13	365	400
108	180	32	13	280	305
109	180	50	19	640	700
110	200	20	30	451	490
111	200	30	30	675	740
112	200	40	40	1200	1315
113	200	50	12	450	500
114	230	40	20	690	751
115	250	40	30	1125	1230
116	300	50	40	2250	2460

NON SPARKING PLUMB HAMMER G

2050A



No.	H(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	59	50	245	276

NON SPARKING FLAT TESTING HAMMER G

2051



No.	Size(g)	L(mm)	Weight(g)
101	600	280	670

NON SPARKING PULLER

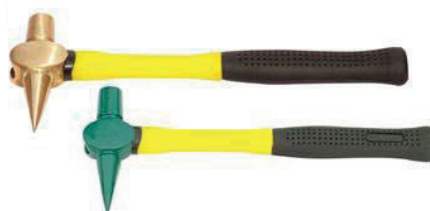
2049



No.	Size(mm)	No.	Size(mm)
101	50-150	104	200-300
102	100-200	105	250-350
103	150-250		

NON SPARKING TESTING HAMMER

2052



No.	Size(g)	L(mm)	Weight(g)
101	150	290	290
102	250	290	320

NON SPARKING FLANGE PROP

2050



No.	Size	No.	Size
101	FZM16-24	102	FZM27-36

NON SPARKING TESTING HAMMER

2053



No.	Size(g)	L(mm)	Weight(g)
101	150	290	290
102	250	290	320

NON SPARKING AXE

2054



No.	Size(g)	L(mm)	Weight(g)
101	350	310	550
102	700	400	1000

NON SPARKING SAFETY AXE

2054A



No.	Size(g)	L(mm)	Weight(g)
101	350	330	550
102	700	340	1000

NON SPARKING SCALING HAMMER

2055



No.	Size(g)	L(mm)	Weight(g)
101	230	250	340
102	300	250	410
103	400	320	720

NON SPARKING BALL PEIN HAMMER

2056



NO.	Size(g)	Size(lb)	L(mm)	Weight(g)
101	230	0.5	300	340
102	340	0.75	300	450
103	440	1	320	590
104	680	1.5	340	850
105	910	2	340	1080
106	1130	2.5	400	1280
107	1350	3	400	1500

NON SPARKING CLAW HAMMER

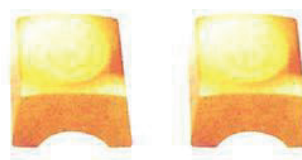
2057



No.	Size(g)	L(mm)	Weight(g)
101	230	320	480
102	500	320	600
103	680	360	960

NON SPARKING ANVILBLOCK

2058



No.	Size(g)	Size(mm)
101	3000	60*90
102	5000	75*110
103	16000	110*160

NON SPARKING HOOK WRENCH

2059



NO.	Size	L(mm)	Al-Cu(g)	Be-Cu(g)
101	22-26	135	45	58
102	28-32	148	72	85
103	34-36	166	105	120
104	38-42	178	125	143
105	45-52	190	178	205
106	55-62	200	185	220
107	68-72	230	195	246
108	78-85	256	248	290
109	90-95	276	361	415
110	100-110	292	410	465
111	115-130	340	530	595
112	135-145	388	580	666
113	150-160	410	680	775
114	165-185	438	750	890

NON SPARKING COMBINATION PLIERS

2060



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	8"	390	432

NON SPARKING SNAP RING-EXTERNAL PLIERS

2062B



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	8"	260	287
102	250	10"	380	421

NON SPARKING LONG NOSE PLIERS

2061



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	6"	160	177
102	200	8"	190	210

NON SPARKING FLAT NOSE PLIERS

2063



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	6"	150	166
102	200	8"	250	277

NON SPARKING ROUND NOSE PLIERS

2062



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	6"	133	147

NON SPARKING ADJUSTABLE COMBINATION PLIERS

2064



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	8"	280	360

NON SPARKING SNAP RING-INTERNAL PLIERS

2062A



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	8"	188	250
102	250	10"	310	380

NON SPARKING GROOVE JOINT PLIERS

2065



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	250	10"	300	332
102	300	12"	600	664

NON SPARKING DIAGOAL CUTTING PLIERS

2066



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	6"	170	188
102	200	8"	284	310

NON SPARKING HOE

2068



NO.	K(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	50	75	150	100	110
102	75	100	200	120	133
103	100	120	200	130	144

NON SPARKING SCRAPER

2067



NO.	K(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	50	48	170	100	125
102	75	80	200	180	200
103	100	100	210	180	200
104	125	120	260	272	300

NON SPARKING BRUSH

2069



6*14

NON SPARKING SCRAPER

2067A



NO.	K(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	50	100	400	490	542
102	75	100	500	580	642
103	100	120	800	1000	1106
104	125	125	850	1100	1210

UNIVERSAL BRUSH

2069-1



NO.	Size	W1(mm)	L1(mm)	L2(mm)	H(mm)
101	6*10	50	100	700	140

NON SPARKING SCRAPER

2067B



NO.	K(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	50	140	500	550	609
102	75	140	550	605	665
103	100	150	600	750	1051
104	125	150	600	820	1150

INDUSTRIAL BRUSH

2069-2



NO.	Size	W1(mm)	L2(mm)	H(mm)
101	6*11	50	450	150

BRUSH

2066-3



NO.	Size	W1(mm)	L2(mm)	H(mm)
101	3*16	20	310	140

BRUSH LONG HANDLE

2069-7



NO.	Size	W1(mm)	L1(mm)	L2(mm)	Φ2(mm)	H(mm)
101	6*11	50	80	405	20	140

BRUSH ROUND HANDLE

2069-4



NO.	Size	W1(mm)	L1(mm)	L2(mm)	H(mm)
101	5*17	350	650	190	180

BRUSH TAPERED HEAD

2069-8



NO.	Size	W1(mm)	L1(mm)	W2(mm)	L2(mm)	H(mm)
101	6*8	40	60	23	180	170

BRUSH BIG HEAD

2069-5



NO.	Size	W1(mm)	L1(mm)	L2(mm)	H(mm)
101	6*17	41	230	170	23

BRUSH WITH LIQUID

2069-9



NO.	Φ1(mm)	L2(mm)	H(mm)
101	50	100	20

BRUSH OVAL HEAD

2069-6



NO.	Size	W1(mm)	L1(mm)	L2(mm)	H(mm)
101	7*23	53	140	105	160

ELECTRIC BRUSH

2069A



AF550
0-550Rpm
15Nm
220v
18v

ELECTRIC BRUSH

2069B



AF250
250Rpm
4Nm
220v
3,6-4,8v

NON SPARKING ROUND SHOVEL

2072



NO.	B(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	240	420	1030	1310	1440

NON SPARKING CLEANER (BLOWING DUST)

2069C



AF400
220v

NON SPARKING UNIVERSAL SHOVEL

2072A



NO.	B(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	330	700	1160	1280

NON SPARKING SQUARE SHOVEL

2070



NO.	B(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	190	350	1010	1260	1386
102	230	410	1030	1440	1580

NON SPARKING PICK

2073



NO.	Size(kg)	L(mm)	Weight(g)
101	1	560	1500
102	1.5	870	2000
103	2	870	2400
104	2.5	1000	3000

NON SPARKING SHOVEL

2071



NO.	B(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	270	510	1120	2330	2560

NON SPARKING PUTTY KNIFE

2074



NO.	K(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	25	80	165	40	44
102	50	80	165	60	66
103	75	110	195	90	99.6
104	100	110	200	100	110

NON SPARKING CENTER PUNCH

2075



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	100	16	120	133
102	150	16	210	232
103	200	18	350	387
104	250	18	450	498
105	300	20	635	703
106	400	20	885	979
107	500	20	1100	1217
108	300	25	800	885
109	400	25	1000	1106
110	500	30	2480	2745

NON SPARKING PIN PUNCH

2076



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	160	18	285	293
102	250	18	425	470
103	300	18	545	603
104	250	20	510	564
105	300	20	635	703
106	400	20	1000	1106

NON SPARKING HEARING ROD

2077



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	300	6	90	100
102	400	6	120	133
103	500	8	260	288
104	600	8	270	299
105	700	8	310	343
106	800	8	350	387
107	900	8	390	432
108	1000	8	430	476

NON SPARKING HEARING ROD

2077A



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	300	6	100	110
102	400	6	130	143
103	500	8	300	332
104	600	8	320	354
105	700	8	380	420
106	800	8	400	442
107	900	8	430	476

NON SPARKING TWEEZER

2078



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	22	25
102	200	36	40

NON SPARKING SCRIBING TOOLS

2079



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	50	60
102	300	80	90
103	450	121	135

NON SPARKING MARKING TOOLS

2079A



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	42	46
102	300	60	67
103	350	69	77
104	450	95	107

NON SPARKING SCREWDRIVER

2080



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	50	5	40	44
102	75	6	50	55
103	100	6	100	110
104	125	6	100	110
105	150	6	120	132
106	200	8	160	176
107	250	8	170	187
108	300	8	200	220
109	350	8	240	264
110	400	8	260	286

NON SPARKING T TYPE SCREWDRIVER

2081



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	200	6	170	188
102	250	8	180	199
103	300	8	220	242
104	350	8	250	276

NON SPARKING HALF ROUND FILE

2082



No.	L(mm)	B(mm)	Be-Cu(g)
101	200	22	195
102	250	23	250
103	300	25	365
104	350	30	560

NON SPARKING ROUND FILE

2083



No.	L(mm)	Φ(mm)	Be-Cu(g)
101	200	8	100
102	250	9	130
103	300	10	210
104	350	10	270

NON SPARKING TRIANGLE FILE

2084



NO.	L(mm)	B(mm)	Be-Cu(g)
101	200	8	150
102	250	9	150
103	300	10	250
104	350	10	270

NON SPARKING SQUARE FILE

2085



NO.	L(mm)	B(mm)	Be-Cu(g)
101	200	8	130
102	250	10	170
103	300	11	200
104	350	12	320

NON SPARKING FLAT FILE

2086



NO.	L(mm)	B(mm)	Be-Cu(g)
101	200	20	190
102	250	25	250
103	300	30	380
104	350	32	440

NON SPARKING TORCH

2087



No.	Weight(g)
101	510

NON SPARKING COMMON KNIFE

2088



NO.	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	250	130	144
102	180	280	230	254
103	250	350	300	332

NON SPARKING HAND SAW

2090A



NO.	L(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	370	115	200	220

NON SPARKING ELECTRICIAN KNIFE

2088A



NO.	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	61	113	168	205

NON SPARKING HACKSAW BLADE

2090B



NO.	L(mm)	D(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	500	300	110	300	330

NON SPARKING TILE CLEAVER

2089



NO.	B(mm)	LI(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	44	150	280	360	398
102	55	170	320	400	442

NON SPARKING PAINT DRUM OPENER

2091



NO.	Size(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	285	285	245	590

NON SPARKING HACKSAW FRAME

2090



NO.	L(mm)	D(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	500	300	110	300	330

NON SPARKING SCRAPER

2092



NO.	L(mm)	B(mm)	Al-Cu(g)	Be-Cu(g)
101	250	30	380	420
102	350	35	500	553
103	450	40	600	664
104	500	40	680	753

NON SPARKING DECK SCRAPER

2092A



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	300	330	365
102	350	500	553
103	450	600	664

NON SPARKING OIL FUNNEL

2096



NO.	101	102
L(mm)	140	220

NON SPARKING OIL DIPPER

2093



No.	Φ(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	55	280	150	165
102	85	300	190	210

NON SPARKING PORTABLE OIL PUMP

2097



No.	Φ(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101		1160	1620	1782

NON SPARKING SCOOP

2094



No.	B(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	150	200	300	330
102	180	350	650	715

NON SPARKING BUCKET

2098



No.	Φ(mm)	H(mm)	Al-Cu(g)
101	250	260	900
102	300	275	1200

NON SPARKING VDUST PAN

2095



No.	B(mm)	H(mm)	Al-Cu(g)	Be-Cu(g)
101	270	280	530	583
102	320	330	860	946

NON SPARKING OIL PUMP

2099



No.	L(mm)	G
EX-25	1250	2800
EX-32	1250	5800

NON SPARKING OIL PUMP

2100



No.	L(mm)	G
101	1050	1800

NON SPARKING ELECTRIC OIL PUMP

2100A



No.	L(mm)	G
101	1300	7030

NON SPARKING ANTISLIP F VALVE WRENCH

2101



NO.	101	102	103	104	105	106	107	108	109	110	111	112
L(mm)	200	250	300	350	400	450	500	550	600	650	700	800

NON SPARKING VALVE WRENCH

2102



NO.	101	102	103	104	105	106	107	108	109	110
L(mm)	300	400	450	500	550	600	650	700	800	900

NON SPARKING VALVE WRENCH

2102A



No.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	300	542	595
102	450	1055	1170
103	600	1710	1960
104	800	2610	2805

NON SPARKING VALVE WRENCH

2102B



No.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	355	820	915

NON SPARKING VALVE WRENCH

2102C



NO.	L(mm)
101	300

NON SPARKING DOUBLE C TYPE WRENCH

2103



No.	L(mm)	S1(mm)	S2(mm)	Al-Cu(g)	Be-Cu(g)
101	200	32	25	210	232

NON SPARKING DOUBLE C TYPE WRENCH

2103A



No.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	350	880	974
102	600	1500	1660

NON SPARKING DOUBLE C TYPE WRENCH

2103B



No.	L(mm)	S(mm)	Al-Cu(g)	Be-Cu(g)
101	400	30	1080	1200
102	450	40	1100	1210
103	600	55	2110	2500

NON SPARKING COMBINATION BAR

2104



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	400	16	660	730
102	800	22	2500	2770

NON SPARKING CRATE OPENER

2104A



No.	L(mm)	S(mm)	Al-Cu(g)	Be-Cu(g)
101	230	70	630	697

NON SPARKING SHEARS

2105



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	200	230
102	300	265	295

NON SPARKING SHEARS

2106



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	150	150	166

NON SPARKING DI-RIDERS

2108



NO.	101	102	103	104	105
Size(mm)	150	200	300	400	500

NON SPARKING STRIKING SCREWDRIVER

2109



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	200	6	180	198
102	250	6	210	231
103	300	8	300	330
104	350	8	380	418

NON SPARKING DOUBLE END SCREWDRIVER

2110



No.	L(mm)	Φ(mm)	Al-Cu(g)	Be-Cu(g)
101	120		70	77

NON SPARKING AF HYDRAULIC WRENCH

2113



NO.	Size(mm)
101	AF-32
102	AF-41
103	AF-55

NON SPARKING PORT-TABLE HEARING ROD

2111



No.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	600	400	442

NON SPARKING DISCONNECT THREE-JAM HYDRAULIC COMBINATION PULLERS

2114



NO.	Size(T)
101	AF-5
102	AF-10
103	AF-20
104	AF-30
105	AF-50

NON SPARKING PETROCHEMICAL REINFORCEMENT WRENCH

2112



NO.	Size(mm)
101	AF-41
102	AF-50
103	AF-65
104	AF-75
105	AF-85
106	AF-100
107	AF-110
108	AF-130

NON SPARKING INTEGRAL THREE-JAM HYDRAULIC COMBINATION PULLERS

2115



NO.	Size(T)
101	AF-5
102	AF-10
103	AF-20
104	AF-30
105	AF-50

NON SPARKING LABOUR-SAVING WRENCH

2112A



NO.	Size(mm)
101	16
102	58
103	68

NON SPARKING THIN-TYPE LIFTING JACK

2116



NO.	Size(T)
101	AF-3
102	AF-5
103	AF-8
104	AF-10
105	AF-16
106	AF-25
107	AF-32

NON SPARKING SCREW JACK

2116A



NO.	Size(T)	NO.	Size(T)
101	AF-3	105	AF-16
102	AF-5	106	AF-25
103	AF-8	107	AF-32
104	AF-10		

NON SPARKING PULLER

2116B



NO.	Size(mm)	NO.	Size(mm)
101	50-150	105	250-350
102	100-200	106	300-400
103	150-250	107	350-450
104	200-300		

NON SPARKING PULLER

2116C



NO.	Size(mm)	NO.	Size(mm)
101	50-150	105	250-350
102	100-200	106	300-400
103	150-250	107	350-450
104	200-300		

NON SPARKING CHAIN BLOCK

2117



No.	Capacity	No.	Capacity
101	0.5T	105	5T
102	1T	106	10T
103	2T	107	20T
104	3T	108	30T

NON SPARKING TROLLEY

2117A



No.	Capacity	No.	Capacity
101	0.5T	105	5T
102	1T	106	10T
103	2T	107	20T
104	3T	108	30T

NON SPARKING 36PCS TOOLS SET

2118



8"-27"
8"-27"
8",12",15"
2P
16"300mm
100mm
250,350mm
75,200mm
75,200mm
18"250mm
7"
8"
300mm
22"250

NON SPARKING SPENCLAL TOOLS

2118A



NO.	Size
101	14

NON SPARKING 35PCS TOOLS SET

2119



8-30mm
8-30mm
17-24mm
27-36mm
8" 10"
2P
300
16*300mm
7"
100,200mm
100,200mm

NON SPARKING 52PCS TOOLS SET

2122



5.5-27
5.5-27
350mm
17-27
3-12
18*300mm
100, 200mm
100, 200mm
400mm
18*250mm
1kg
20*180mm
2P
4P
8"
6"
12", 14"
8"
100mm

NON SPARKING 46PCS TOOLS SET

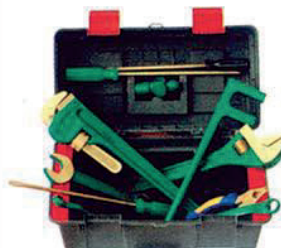
2120



8-32
8-32
8", 12"
2P
16*300, 16*350mm
100mm
200, 350mm
100, 200mm
100, 200mm
18*250mm
8"
6"
400mm
200mm
250mm
8"
20*200, 22*250mm

NON SPARKING 30PCS TOOLS SET

2123



101 AF22
250mm
8*10,10*12,12*14,
14*17,17*19mm
8*10,10*12,12*14,
14*17,17*19mm
250mm
0.25kg
8"
250mm
6"
100,150,250mm
100,150,250mm
102 AF30
200mm
5.5*7,8*10,9*11,10*12,12*14,14*17,17*19mm
5.5*7,8*10,9*11,10*12,12*14,14*17,17*19mm
0.25kg
8"
250mm
6"
100,150mm
100,150mm
250mm
18*300mm
1P
100mm
8"
250mm

NON SPARKING 41PCS TOOLS SET

2121



5.5-24
5.5-24
17-30
19-32
8", 10"
2P
3P
1kg
16*300mm
10", 12", 14"
100, 200mm
100, 200mm
350mm
8"
8"
三节

NON SPARKING SAFETY OIL SAMPLING TOOLS

2124



NO.	Size (mm)
101	72*260

NON SPARKING 124 PCS TOOLS SET

2125



NO.	Size	NO.	Size
101	AF-119	102	AF-124

NON SPARKING EXHAUST FAN

2129



NO.	Size(mm)	NO.	Size(mm)
101	300*300	102	400*400

NON SPARKING FIRE HYDRANT WRENCH

2126



NO.	S(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	59	430	1240	1364

NON SPARKING UNIVERSAL JOINT

2130



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	90	180	199
102	3/4"	110	450	498
103	1"	125	900	998

NON SPARKING FIRE HOOK SPANNER

2127



NO.	S(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	30	600	2800	3080

NON SPARKING SCREWDRIVER SOCKET

2131



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	40	60	66

NON SPARKING RUST RAKE

2128



NO.	B(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	110	300	950	1045

NON SPARKING HINGED HANDLE

2132



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	3/8"	190	210	232
102	1/2"	250	310	343
103	3/4"	285	570	630
104	1"	305	830	919

NON SPARKING SPEEDHANDLE

2133



NO.	A(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	1/2"	390	500	553

NON SPARKING SHORT HANDLE COPPER SPOON

2134C



NO.	W1(mm)	L2(mm)	δ(mm)
101	62	200	1

NON SPARKING SCOOP

2134



Φ180mm

NON SPARKING SCOOP

2135



No.	Φ(mm)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	130	400	1000	1100

NON SPARKING COPPER SPOON

2134A



No.	Φ1(mm)	L2(mm)	δ(mm)
101	135	400	1

NON SPARKING TANK

2135A



No.	L(mm)	W(mm)	H(mm)	δ(mm)
101	600	400	40	1
102	310	210	37	1

COPPER SHOVEL SPOON

2134B



NO.	Φ1(mm)	D1(mm)	Φ2(mm)	L2(mm)	δ(mm)
101	160	40	30	110	2

NON SPARKING PARALLEL VICE 900mm

2136



NO.	L(mm)	Smax	Al-Cu(g)	Be-Cu(g)
101	90	90	7400	8150
102	125	125	16800	19550
103	150	150	26500	30000
104	170	170	27400	30300

NON SPARKING PINCERS

2137



No.	L(inch)	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	8"	300	332

NON SPARKING TOOLS SET WITH THE POSSIBILITY OF CONFIGURATION

2139



NON SPARKING CRIMPING PLIERS

2138



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	200	200	230

NON SPARKING BOLT CHIPPER

2140



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	600	3050	3375

NON SPARKING WIRE STRIPPING PLIERS

2138A



NO.	L(mm)	Al-Cu(g)	Be-Cu(g)
101	170	200	230