

Sockets



C=1/4"

Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
1-4	4	25	11	10
1-4.5	4.5	25	11	10
1-5	5	25	12	11
1-5.5	5.5	25	12	11
1-6	6	25	13	12
1-7	7	25	13	12
1-8	8	25	15	14
1-9	9	25	21	20
1-10	10	25	22	20
1-11	11	25	22	20
1-12	12	26	25	22
1-13	13	26	26	24
1-14	14	26	27	25
1-15	15	27	33	30
1-16	16	27	34	31
1-17	17	27	35	32
1-18	18	27	36	33
1-19	19	27	38	35
Part No.	A/F inch	L mm	Be-Cu g	Al-Cu g
1-1002	1-5/32	25	11	10
1-1004	1-3/16	25	11	10
1-1006	1-7/32	25	11	10
1-1008	1-1/4	25	11	10
1-1010	1-9/32	25	11	10
1-1012	1-5/16	25	17	15
1-1014	1-11/32	25	21	20
1-1016	1-3/8	25	23	21
1-1018	1-7/16	25	25	23
1-1020	1-1/2	26	33	30

C=3/8"

Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
2-5	5	28	20	18
2-5.5	5.5	28	21	19
2-6	6	28	22	20
2-7	7	28	22	20
2-8	8	28	23	21
2-9	9	28	24	22
2-10	10	32	39	35
2-11	11	32	40	37
2-12	12	32	41	38
2-13	13	32	42	39
2-14	14	32	45	40
2-15	15	32	50	45
2-16	16	32	55	50
2-17	17	32	59	54
2-19	19	32	60	55
2-20	20	32	61	56

C=3/8"

Part No.	A/F inch	L mm	Be-Cu g	Al-Cu g
2-1002	5/16	28	22	20
2-1004	3/8	28	32	28
2-1006	7/16	32	39	36
2-1008	1/2	32	40	38
2-1010	9/16	32	46	42
2-1012	5/8	32	70	65
2-1014	11/16	32	72	67
2-1016	3/4	32	75	69
2-1018	13/16	35	87	80
2-1020	7/8	35	93	85
2-1022	15/16	35	104	95

C=1/2"

Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
3-6	6	40	75	69
3-7	7	40	77	70
3-8	8	40	77	70
3-9	9	40	87	71
3-10	10	40	87	71
3-11	11	40	79	72
3-12	12	40	79	72
3-13	13	40	80	73
3-14	14	40	80	73
3-15	15	40	82	75
3-16	16	40	85	77
3-17	17	40	88	80
3-18	18	42	90	82
3-19	19	42	110	100
3-20	20	42	120	110
3-21	21	43	137	125
3-22	22	43	143	130
3-23	23	43	159	145
3-24	24	43	186	170
3-25	25	43	197	180
3-26	26	43	207	190
3-27	27	46	235	215
3-28	28	46	245	225
3-29	29	46	250	230
3-30	30	46	285	260
3-32	32	46	320	290
Part No.	A/F inch	L mm	Be-Cu g	Al-Cu g
3-1002	5/16	40	78	71
3-1004	3/8	40	78	71
3-1006	7/16	40	79	72
3-1008	1/2	40	79	72
3-1010	9/16	40	80	73
3-1012	5/8	40	88	80
3-1014	11/16	40	93	85
3-1016	3/4	42	99	90
3-1018	13/16	43	120	110
3-1020	7/8	43	142	130
3-1022	15/16	43	148	135
3-1024	1	43	159	145
3-1026	1-1/16	46	241	220
3-1028	1-1/4	46	276	240
3-1030	1-7/16	50	308	340



Sockets

C=3/4"

Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
4-17	17	50	246	225
4-19	19	50	246	225
4-21	21	55	268	245
4-22	22	55	268	245
4-23	23	55	306	280
4-24	24	55	307	280
4-26	26	55	307	280
4-27	27	55	312	285
4-28	28	55	339	310
4-29	29	55	350	320
4-30	30	60	410	370
4-31	31	60	430	380
4-32	32	60	465	410
4-34	34	60	480	440
4-36	36	60	510	465
4-38	38	60	555	510
4-41	41	65	660	640
4-46	46	65	830	705
4-50	50	70	945	840
Number	A/F inch	L mm	Be-Cu g	Al-Cu g
4-1002	3/4	50	240	220
4-1004	13/16	55	262	240
4-1006	7/8	55	267	245
4-1008	15/16	55	305	280
4-1010	1	55	310	280
4-1012	1-1/16	55	315	285
4-1014	1-1/8	55	345	315
4-1016	1-3/16	60	400	365
4-1018	1-1/4	60	437	400
4-1020	1-5/16	60	472	430
4-1022	1-3/8	60	515	470
4-1024	1-7/16	60	525	480
4-1026	1-1/2	60	580	530
4-1028	1-5/8	65	702	640
4-1030	1-3/4	65	761	695
4-1032	1-13/16	65	830	705
4-1034	1-7/8	65	850	710
4-1036	2	70	930	850

C=1"

Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
5-22	22	55	361	330
5-24	24	55	372	340
5-25	25	55	377	345
5-26	26	55	383	350
5-27	27	55	294	360
5-28	28	55	397	363
5-29	29	55	399	365
5-30	30	60	443	405
5-31	31	60	448	410
5-32	32	60	481	440
5-34	34	60	497	455
5-36	36	65	550	500
5-38	38	65	620	560
5-41	41	70	690	625
5-46	46	70	850	740
5-50	50	75	960	850
5-55	55	80	1160	1000
5-60	60	85	1390	1260
5-65	65	90	1550	1410
5-70	70	90	1700	1550
5-75	75	95	2270	2060
5-80	80	95	2510	2280
Number	A/F inch	L mm	Be-Cu g	Al-Cu g
5-1002	1-1/16	55	394	360
5-1004	1-1/8	55	398	364
5-1006	1-3/16	60	442	405
5-1008	1-1/4	60	470	431
5-1010	1-5/16	60	483	442
5-1012	1-3/8	60	490	448
5-1014	1-7/16	65	560	500
5-1016	1-1/2	65	620	560
5-1018	1-5/8	70	690	625
5-1020	1-7/8	75	850	740
5-1022	2	75	960	850
5-1024	2-1/4	80	1250	1130
5-1026	2-1/2	90	1590	1350
5-1028	2-3/4	90	1630	1470
5-1030	3	95	2270	2060

Universal Joint



Part No.	Sq. Dr. inch	L mm	Be-Cu g	Al-Cu g
6-1002	1/2	80	186	170
6-1004	3/4	110	500	450
6-1006	1	125	1000	900

Offset Handle



Part No.	Sq. Dr. inch	L inch	L ₁ mm	Be-Cu g	Al-Cu g
9-1002	3/8	200	50	314	287
9-1004	1/2	230	60	310	380
9-1006	3/4	280	75	765	699
9-1008	1	300	85	1160	1060

Adaptor



Part No.	□ inch	■ inch	L mm	Be-Cu g	Al-Cu g
7-1002	3/8	1/4	26	22	20
7-1004	1/4	3/8	22	22	20
7-1006	1/2	3/8	34	80	70
7-1008	3/8	1/2	34	50	45
7-1010	3/4	1/2	55	290	260
7-1012	1/2	3/4	50	170	150
7-1014	1	3/4	70	855	770
7-1016	3/4	1	60	360	320
7-1018	1-1/2	1	85	1675	1510
7-1020	1	1-1/2	85	1230	1100

Hinged Handle



Part No.	Sq. Dr. inch	L inch	L ₁ mm	Be-Cu g	Al-Cu g
10-1002	3/8	190	175	230	210
10-1004	1/2	250	230	350	310
10-1006	1/2	320	300	420	380
10-1008	1/2	400	380	601	550
10-1010	3/4	286	260	635	570
10-1012	1	304	270	910	830

Sliding T Handle



Part No.	Sq. Dr. inch	L mm	H mm	mm	Be-Cu g	Al-Cu g
8-1002	1/2	250	39	13	330	302
8-1004	3/4	350	54	19	1070	978
8-1006	3/4	400	56	21	1335	1221
8-1008	1	400	62	21	1620	1481

Ratchet Wrench



Part No.	Sq. Dr. inch	L inch	L ₁ mm	Be-Cu g	Al-Cu g
11-1002	3/8	200	30	290	260
11-1004	1/2	245	43	690	615
11-1006	3/4	320	57	1570	1430
11-1008	1	550	67	3400	3070

Sliding T Type Wrench



Part No.	A/F mm	L mm	H mm	Be-Cu g	Al-Cu g
12-7	7	120	120	135	120
12-9	9	130	130	145	130
12-11	11	140	150	180	160
12-14	14	150	170	240	220
12-17	17	170	190	290	260
12-19	19	180	210	500	450
12-22	22	190	240	720	650
12-24	24	200	270	950	860
12-27	27	200	270	1110	1000
12-30	30	200	280	1340	1210
12-32	32	200	280	1440	1300
12-36	36	200	280	1920	1740

Driver Extension



Part No.	Sq. Dr. inch	L mm	Be-Cu g	Al-Cu g
13-1002	3/8	75	93	80
13-1004	3/8	150	185	160
13-1006	1/2	100	245	225
13-1008	1/2	125	260	230
13-1010	1/2	200	485	445
13-1012	1/2	250	510	455
13-1014	3/4	200	960	870
13-1016	1	200	1580	1410

Speed Handle



Part No.	Sq. Dr. mm	L mm	H mm	Be-Cu g	Al-Cu g
14-1002	1/2	390	96	780	700

Wrench, Adjustable



Part No.	L mm	Kmax mm	Be-Cu g	Al-Cu g
15-1002	100	13	33	30
15-1004	150	18	135	120
15-1006	200	24	281	255
15-1008	250	30	440	401
15-1010	300	36	720	655
15-1012	375	46	1410	1290
15-1014	450	55	2261	2065
15-1016	600	65	4705	4301

Wrench, Chain Pipe



Part No.	L mm	Dmax mm	Be-Cu g	Al-Cu g
16-1002	600	100	3955	3605
16-1004	600	150	4475	4090
16-1006	900	200	8705	8005
16-1008	900	300	9810	9005

Wrench, Pipe



Part No.	L mm	Kmax mm	Be-Cu g	Al-Cu g
17-1002	200	25	420	380
17-1004	250	30	615	560
17-1006	300	40	880	801
17-1008	350	50	1180	1080
17-1010	450	60	1590	1450
17-1012	600	75	3395	3105
17-1014	900	125	6480	5850
17-1016	1200	150	12560	11350

Wrench, Combination



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
18-6	6	105	22	20
18-7	7	105	22	20
18-8	8	120	37	34
18-9	9	120	37	34
18-10	10	135	55	50
18-11	11	135	55	50
18-12	12	150	75	70
18-13	13	150	75	70
18-14	14	175	122	110
18-15	15	175	122	110
18-16	16	195	155	140
18-17	17	195	155	140
18-18	18	215	210	190
18-19	19	215	210	190
18-20	20	230	225	200
18-21	21	230	225	200
18-22	22	245	250	220
18-23	23	245	250	220
18-24	24	265	260	230
18-25	25	265	260	230
18-26	26	290	420	380
18-27	27	290	420	380
18-30	30	320	560	500
18-32	32	340	670	600
18-34	34	360	850	750
18-35	35	360	890	800
18-36	36	360	890	800
18-38	38	430	1440	1300
18-41	41	430	1440	1300
18-46	46	480	1890	1700
18-50	50	520	2220	2000
18-55	55	560	2780	2500
18-60	60	595	3230	2900
18-65	65	595	3680	3340
18-70	70	630	4770	4300
Number	A/F inch	L mm	Be-Cu g	Al-Cu g
19-1002	1/4	105	22	20
19-1004	5/16	120	37	34
19-1006	3/8	135	55	50
19-1008	7/16	135	55	50
19-1010	1/2	150	75	70
19-1012	9/16	175	122	110
19-1014	19/32	175	122	110
19-1016	5/8	195	155	140
19-1018	11/16	195	155	140
19-1020	3/4	215	210	190
19-1022	13/16	230	225	200
19-1024	7/8	245	250	225
19-1026	15/16	265	260	230
19-1028	1	265	260	230
19-1030	1-1/16	290	420	380
19-1032	1-1/8	320	560	500
19-1034	1-3/16	320	560	500
19-1036	1-1/4	340	670	600
19-1038	1-5/16	360	850	750
19-1040	1-3/8	360	890	800

Wrench, Construction with Pin



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
20-17	17	220	125	115
20-19	19	240	160	145
20-22	22	260	210	190
20-24	24	280	265	240
20-27	27	300	350	315
20-30	30	320	445	405
20-32	32	340	530	480
20-36	36	360	720	650
20-41	41	380	1010	910
20-46	46	400	1115	1010
20-50	50	420	1165	1055
20-55	55	450	1485	1345
20-60	60	480	2015	1825

Wrench, Single Open End



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
21-8	8	95	40	35
21-10	10	100	50	45
21-12	12	110	65	60
21-14	14	140	95	85
21-17	17	160	105	95
21-19	19	170	130	115
21-22	22	195	170	152
21-24	24	220	190	170
21-27	27	240	285	260
21-30	30	260	320	290
21-32	32	275	400	365
21-34	34	290	455	410
21-36	36	310	530	480
21-41	41	345	615	555
21-46	46	375	950	860
21-50	50	410	1215	1100
21-55	55	450	1480	1335
21-60	60	490	2115	1910
21-65	65	530	2960	2675
21-70	70	570	3375	3050
21-75	75	610	3700	3345



Wrench, Construction, Offset Type with Pin



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
22-17	17	320	210	195
22-19	19	350	320	290
22-22	22	350	430	390
22-24	24	370	480	430
22-27	27	370	640	580
22-30	30	400	800	720
22-32	32	400	800	720
22-36	36	430	950	860
22-41	41	470	1270	1150
22-46	46	500	1600	1445
22-50	50	530	1885	1700
22-55	55	560	2160	1950

Wrench, Striking Open



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
23-17	17	125	150	135
23-19	19	125	150	135
23-22	22	135	195	175
23-24	24	150	245	220
23-27	27	165	335	300
23-30	30	180	435	390
23-32	32	190	515	460
23-36	36	210	725	655
23-41	41	230	955	860
23-46	46	240	1225	1100
23-50	50	255	1340	1200
23-55	55	272	1665	1500
23-60	60	290	2190	1970
23-65	65	307	2670	2400
23-70	70	325	3250	2925
23-75	75	343	3660	3300
23-80	80	360	4500	4070
23-85	85	380	5290	4770
23-90	90	400	6640	6000
23-95	95	400	6640	6000
23-100	100	430	8850	8000
23-110	110	465	11060	10000
Number	A/F inch	L mm	Be-Cu g	Al-Cu g
23-1002	3.4	125	150	135
23-1004	7.8	135	195	175
23-1006	15.16	150	245	220
23-1008	1	165	335	300
23-1010	1-1.8	180	435	390
23-1012	1-1.4	190	515	460
23-1014	1-7.16	210	725	655
23-1016	1-1.2	220	860	780
23-1018	1-5.8	230	955	860
23-1020	1-3.4	240	1225	1100
23-1022	1-7.8	240	1225	1100
23-1024	2	255	1340	1200
23-1028	2-1.8	272	1665	1500
23-1030	2-1.4	290	2190	1970
23-1032	2-3.8	290	2190	1970
23-1034	2-1.2	307	2670	2400
23-1036	2-3.4	325	3250	2925
23-1038	3	343	3660	3300
23-1040	3-1.8	360	4500	4070
23-1042	3-1.2	400	6640	6000
23-1044	3-3.4	400	6640	6000
23-1046	4	430	8850	8000

Wrench, Double Open End



Part No.	S1*S2 mm	L mm	Be-Cu g	Al-Cu g
24-0507	5.5*7	90	23	20
24-0607	6*7	92	25	22
24-0608	6*8	94	28	25
24-0709	7*9	96	28	25
24-0809	8*9	98	33	30
24-0810	8*10	100	34	31
24-0910	9*11	105	35	32
24-0911	10*11	110	50	45
24-1011	10*11	115	52	47
24-1012	10*12	120	60	55
24-1013	10*13	122	64	59
24-1014	10*14	124	68	62
24-1113	11*13	126	71	65
24-1213	12*13	128	73	67
24-1214	12*14	130	75	69
24-1317	13*17	140	110	100
24-1415	14*15	143	115	105
24-1417	14*17	150	120	110
24-1617	16*17	157	130	120
24-1618	16*18	163	150	137
24-1719	17*19	170	170	155
24-1721	17*21	173	185	169
24-1722	17*22	176	200	183
24-1819	18*19	179	215	197
24-1921	19*21	182	230	210
24-1922	19*22	185	245	224
24-1924	19*24	190	260	238
24-2022	20*22	195	275	252
24-2123	21*23	200	290	265
24-2126	21*26	205	305	279
24-2224	22*24	210	312	285
24-2227	22*27	215	320	292
24-2326	23*26	220	330	302
24-2426	24*26	225	360	329
24-2427	24*27	230	390	357
24-2430	24*30	233	420	384
24-2528	25*28	236	430	393
24-2629	26*29	240	450	412
24-2632	26*32	243	495	453
24-2729	27*29	246	530	485
24-2730	27*30	250	565	517
24-2732	27*32	255	600	549
24-2932	29*32	260	635	581
24-3032	30*32	265	675	617
24-3036	30*36	270	795	710
24-3234	32*34	270	795	710
24-3236	32*36	300	955	860
24-3436	34*36	300	955	860
24-3638	36*38	330	1350	1210
24-3641	36*41	330	1350	1210
24-3840	38*40	330	1350	1210
24-4146	41*46	355	1395	1275
24-4650	46*50	370	1820	1665
24-5055	50*55	385	2185	1998
24-5060	50*60	400	2488	2275
24-5560	55*60	415	2790	2550
24-6065	60*65	435	3950	3613

Wrench, Double Open End



Part No.	S1*S2 mm	L mm	Be-Cu g	Al-Cu g
25-0507	5.5*7	115	22	20
25-0607	6*7	115	25	23
25-0608	6*8	120	35	32
25-0709	7*9	130	50	46
25-0809	8*9	130	53	48
25-0810	8*10	130	55	50
25-0910	9*10	135	60	55
25-0911	9*11	140	70	65
25-1011	10*11	140	80	75
25-1012	10*12	140	85	78
25-1013	10*13	140	90	85
25-1014	10*14	140	102	90
25-1113	11*13	160	110	102
25-1213	12*13	160	120	110
25-1214	12*14	160	151	140
25-1415	14*15	200	190	170
25-1417	14*17	220	205	180
25-1617	16*17	220	210	190
25-1618	16*18	220	220	202
25-1719	17*19	250	225	205
25-1721	17*21	250	280	250
25-1722	17*22	250	290	265
25-1819	18*19	250	295	270
25-1921	19*21	280	305	275
25-1922	19*22	280	310	280
25-1924	19*24	310	355	320
25-2022	20*22	280	370	330
25-2123	21*23	285	405	360
25-2126	21*26	320	450	410
25-2224	22*24	310	455	415
25-2227	22*27	340	470	422
25-2326	23*26	340	475	435
25-2426	24*26	340	482	440
25-2427	24*27	340	520	475
25-2430	24*30	350	550	501
25-2528	25*28	350	580	530
25-2629	26*29	350	610	550
25-2632	26*32	370	640	570
25-2729	27*29	350	670	604
25-2730	27*30	360	705	645
25-2732	27*32	380	740	670
25-2932	29*32	380	780	702
25-3032	30*32	380	805	736
25-3036	30*36	395	1050	960
25-3234	32*34	400	1080	980
25-3235	32*35	405	1110	1010
25-3236	32*36	405	1145	1030
25-3436	34*36	420	1165	1065
25-3541	35*41	426	1305	1178
25-3638	36*38	434	1530	1400
25-3641	36*41	445	1600	1465
25-3840	38*40	460	1803	1640
25-4146	41*46	470	2077	1905
25-4650	46*50	490	2530	2315
25-5055	50*55	510	2580	2360
25-5060	50*60	520	3002	2745
25-5560	55*60	530	3203	2905
25-6070	60*70	560	4105	3605

Wrench, Construction



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
26-10	10	230	90	85
26-12	12	250	110	105
26-14	14	270	145	130
26-17	17	310	200	180
26-19	19	330	250	225
26-22	22	350	320	290
26-24	24	370	400	360
26-27	27	400	500	450
26-30	30	430	700	630
26-32	32	430	700	630
26-36	36	460	960	870
26-41	41	490	1250	1130
26-46	46	520	1650	1490
26-50	50	540	2000	1810
26-55	55	560	2350	2125
26-60	60	610	2820	2550

Wrench, Single Box



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
27-8	8	110	40	35
27-10	10	120	50	45
27-12	12	130	65	60
27-14	14	140	90	80
27-17	17	155	105	120
27-19	19	170	130	95
27-22	22	190	180	115
27-24	24	215	220	200
27-27	27	230	270	245
27-30	30	255	370	335
27-32	32	265	425	385
27-36	36	295	550	500
27-41	41	330	825	750
27-46	46	365	410	1010
27-50	50	400	1270	1150
27-55	55	445	1590	1440
27-60	60	474	1850	1680
27-65	65	510	2060	1875
27-70	70	555	2530	2300
27-75	75	590	2960	2690

Wrench, Striking Box



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
28-17	17	145	210	190
28-19	19	145	200	180
28-22	22	165	245	220
28-24	24	165	235	210
28-27	27	175	350	315
28-30	30	185	475	430
28-32	32	185	465	420
28-36	36	200	580	520
28-41	41	225	755	680
28-46	46	235	990	890
28-50	50	250	1145	1030
28-55	55	265	1440	1300
28-60	60	274	1620	1450
28-65	65	298	1995	1800
28-70	70	320	2435	2200
28-75	75	326	3010	2720
28-80	80	350	3600	3250
28-85	85	355	4330	3915
28-90	90	390	5500	4970
28-95	95	390	5450	4920
28-100	100	420	7080	6400
28-105	105	420	7000	6320
28-110	110	450	9130	8250
28-120	120	480	11000	9930
28-130	130	510	12610	11400
28-140	140	520	13000	11750
28-150	150	565	14500	13100

Offset Slogging Box Wrench (American Type)



Part No.	A/F mm	L mm	Be-Cu g	Al-Cu g
29-24	24	240	950	860
29-27	27	270	1270	1145
29-30	30	280	1480	1340
29-32	32	290	1690	1530
29-36	36	300	1900	1720
29-41	41	320	2110	1910
29-46	46	340	2750	2485
29-50	50	350	3170	2870
29-55	55	360	4125	3730
29-60	60	375	4335	3920
29-65	65	390	4440	4010
29-70	70	400	5400	4875
29-75	75	420	5810	5255
29-80	80	440	7295	6600
29-90	90	480	9740	8800
29-100	100	515	12065	10900
29-110	110	550	13400	12100
29-120	120	585	15500	14000
29-130	130	620	17700	16000

Wrench, Hex Key



Part No.	A/F mm	L mm	H mm	Be-Cu g	Al-Cu g
30-1.5	1.5	38	13	6	5
30-2	2	38	13	6	5
30-2.5	2.5	38	13	6	5
30-3	3	59	25	8	7
30-4	4	65	30	10	8
30-5	5	79	32	16	12
30-6	6	85	37	25	20
30-7	7	88	43	34	30
30-8	8	92	44	50	45
30-9	9	97	44	61	55
30-10	10	110	45	82	70
30-11	11	119	48	100	90
30-12	12	130	52	145	130
30-13	13	140	54	180	160
30-14	14	150	58	211	191
30-15	15	156	60	260	230
30-16	16	162	63	300	270
30-17	17	168	65	370	335
30-18	18	173	69	450	402
30-19	19	177	72	490	445
30-21	21	184	74	652	595
30-22	22	186	77	675	615
30-24	24	192	82	825	755
30-25	25	200	81	925	840
30-26	26	206	90	1025	940
30-27	27	213	93	1220	1115
30-28	28	222	95	1350	1235
30-30	30	240	105	1615	1475
30-32	32	266	116	2065	1885
30-36	36	294	128	2905	2650
30-41	41	320	140	4120	3760

Wrench, Bung



Part No.	L mm	H mm	Be-Cu g	Al-Cu g
31-1002	300	70	630	580

Valve Handle



Part No.	A/F mm	L mm	H mm	Be-Cu g	Al-Cu g
32-30	30	200	44	405	340
32-35	35	250	49	465	410
32-40	40	300	50	595	540
32-45	45	350	61	835	762
32-48	48	375	62	865	790
32-50	50	400	67	892	815
32-55	55	450	73	1270	1110
32-60	60	500	79	1570	1435
32-65	65	550	80	1920	1755
32-70	70	600	80	1945	1775
32-75	75	650	85	2245	2055
32-80	80	700	91	2405	2190
32-85	85	750	97	3050	2770
32-90	90	800	103	3360	3060
32-93	93	850	107	3553	3250
32-96	96	900	110	3870	3515
32-100	100	1000	114	4170	3795
32-103	103	1200	120	6330	5765

Valve Handle



Part No.	A/F mm	L mm	H mm	Be-Cu g	Al-Cu g
33-30	30	200	44	280	250
33-32	32	300	50	540	490
33-35	35	250	47	364	325
33-40	40	300	50	470	422
33-45	45	350	58	610	540
33-48	48	375	62	660	595
33-50	50	400	67	705	615
33-55	55	450	73	960	870
33-60	60	500	79	1205	1105
33-65	65	550	82	1370	1250
33-70	70	600	85	1540	1360
33-75	75	650	88	1705	1540
33-80	80	700	91	1910	1650
33-85	85	750	97	2250	2015
33-90	90	800	103	2380	2130

Wrench, Hook



Part No.	D inch	L mm	Be-Cu g	Al-Cu g
34-1002	30-32	140	63	57
34-1004	34-36	140	95	85
34-1006	40-42	176	105	95
34-1008	45-50	209	160	145
34-1010	52-55	212	170	150
34-1012	58-62	144	225	200
34-1014	68-75	250	265	240
34-1016	80-90	284	390	355
34-1018	95-100	288	435	390
34-1020	110-115	337	740	690
34-1022	120-130	343	790	715
34-1024	135-145	388	1110	1000

Wrench, Hook



Part No.	D inch	L mm	Be-Cu g	Al-Cu g
34A-1002	118	280	350	310

Wrench, Hook



Part No.	D inch	L mm	Be-Cu g	Al-Cu g
34B-1002	32-75	212	245	220
34B-1004	50-120	285	490	430
34B-1006	115-170	310	1000	800

Hammer, Ball Pein



Part No	H g	L mm	g
35-1002	230	280	403
35-1004	340	280	502
35-1006	450	310	680
35-1008	680	340	950
35-1010	910	350	1205
35-1012	1130	400	1470

Hammer, Sledge



Part No.	H g	L mm	g
36-1002	450	310	610
36-1004	1000	400	1300
36-1006	1400	400	1700
36-1008	1500	400	1800
36-1010	1800	400	2100
36-1012	2000	400	2300
36-1014	2200	400	2500
36-1016	2500	900	3410
36-1018	2700	900	3610
36-1020	3000	900	3910
36-1022	3600	900	4510
36-1024	4000	900	4910
36-1026	4500	900	5410
36-1028	5000	900	5910
36-1030	5400	900	6310
36-1032	6400	900	7310
36-1034	7200	900	8110
36-1036	8000	900	8910
36-1038	8200	900	9110
36-1040	9100	900	10010
36-1042	9900	900	10810

Scraper, Flat



Part No.	L mm	B mm	L ₁ mm	Be-Cu g	Al-Cu g
37-1002	200	30	345	330	300
37-1004	300	30	445	480	440
37-1006	350	35	500	640	580
37-1008	350	50	500	1020	910
37-1010	400	60	560	1520	1330

File, Square



Part No.	L inch	L mm	B mm	Be-Cu g
41-1002	8	200	8	130
41-1004	10	250	10	155
41-1006	12	300	11	202
41-1008	14	350	12	303

File, Flat



Part No.	L inch	L mm	B mm	H mm	Be-Cu g
38-1002	6	150	16	4	75
38-1004	8	200	21	4.5	160
38-1006	10	250	25	6	282
38-1008	12	300	30	6.5	455
38-1010	14	350	32	8	675
38-1012	16	400	32	9.5	925

File, Triangle



Part No.	L inch	L mm	B mm	Be-Cu g
42-1002	8	200	12	115
42-1004	10	250	13	125
42-1006	12	300	14	160
42-1008	14	350	14	205

File, Half Round



Part No.	L inch	L mm	B mm	H mm	Be-Cu g
39-1002	6	150	22	6	105
39-1004	8	200	23	7	190
39-1006	10	250	26	8	255
39-1008	12	300	28	9	375
39-1010	14	350	30	10	565

Punch, Machinists'



Part No.	L inch	L mm	B mm	Be-Cu g
43-1002	14	150	165	151
43-1004	18	200	385	352
43-1006	20	250	603	552
43-1008	20	300	715	654

File, Round



Part No.	L inch	L mm	mm	Be-Cu g
40-1002	6	150	6.5	45
40-1004	8	200	7.5	91
40-1006	10	250	8.5	122
40-1008	12	300	9.5	180
40-1010	14	350	10.5	250

Drift Cylindrical



Part No.	mm	mm	L mm	Be-Cu g	Al-Cu g
44-1002	3	9	110	20	15
44-1004	4	10	110	57	50
44-1006	6	12	115	105	95
44-1008	8	14	120	130	115
44-1010	10	16	145	200	180
44-1012	12	18	160	280	260
44-1014	14	20	180	410	380
44-1016	16	24	200	640	600
44-1018	18	30	225	1070	960
44-1020	20	32	225	1230	1110

Chisel, Flat



Part No.	L mm	mm	B mm	Be-Cu g	Al-Cu g
45-1002	160	14	14	175	160
45-1004	160	16	16	231	210
45-1006	160	18	18	295	271
45-1008	200	18	18	382	342
45-1010	200	20	20	473	430
45-1012	250	24	24	822	751
45-1014	300	24	24	1025	942
45-1016	300	25	25	1302	1002
45-1018	400	25	25	1502	1360
45-1020	500	25	25	1903	1730
45-1022	500	30	30	2730	2481

Chisel 8 Point



Part No.	L mm	A/F mm	B mm	Be-Cu g	Al-Cu g
46-1002	160	14	14	186	170
46-1004	160	16	16	255	230
46-1006	180	19	19	402	366
46-1008	200	19	19	451	411
46-1010	200	22	22	650	562
46-1012	250	24	24	880	792
46-1014	300	24	24	1052	950
46-1016	300	30	30	1603	1450
46-1018	400	27	27	1780	1620

Punch, Center



Part No.	L inch	Φ mm	B mm	Be-Cu g
47-1002	100	16	145	125
47-1004	150	16	230	205
47-1006	200	18	392	340
47-1008	300	18	615	540
47-1010	400	18	820	740
47-1012	500	20	1230	1102
47-1014	500	30	2740	2480

Wedge, Flange



Part No.	L mm	B mm	H mm	Be-Cu g	Al-Cu g
48-1002	80	13	6	25	23
48-1004	100	50	10	201	185
48-1006	135	50	18	497	455
48-1008	150	40	8	200	180
48-1010	150	25	8	122	112
48-1012	150	25	13	205	185
48-1014	150	50	13	400	365
48-1016	180	32	13	305	280
48-1018	180	50	19	700	640
48-1020	200	20	30	490	451
48-1022	200	30	30	740	675
48-1024	200	40	40	1315	1200
48-1026	200	50	12	500	450
48-1028	230	40	20	751	690
48-1030	250	40	30	1230	1125
48-1032	300	50	40	2460	2250

Part No.	L inch	B inch	H inch	Be-Cu g	Al-Cu g
48-1001	4	3/4	1/2	110	100
48-1003	6	1	1/2	220	200
48-1005	6	1-1/2	3/4	480	435
48-1007	7	2	3/4	755	680
48-1009	8	1-1/2	1	855	770
48-1011	8-1/2	2	1-1/4	1500	1360

Scissors



Part No.	L inch	L mm	B mm	Be-Cu g	Al-Cu g
49-1002	9	225	98	245	210

Pliers, Lineman



Part No.	L inch	L mm	B mm	Be-Cu g
50-1002	6	150	180	165
50-1004	7	175	306	280
50-1006	8	200	405	370
50-1008	10	250	502	460

Pliers, Diagonal Cutting



Part No.	L inch	L mm	B mm	Be-Cu g
51-1002	6	150	205	188
51-1004	8	200	310	284

Pliers, Flat Nose



Part No.	L inch	L mm	B mm	Be-Cu g
52-1002	6	150	165	151
52-1004	8	200	281	257

Pliers, Long Nose



Part No.	L inch	L mm	L ₁ mm	Be-Cu g	Al-Cu g
53-1002	6	150	54	165	151
53-1004	8	200	74	305	280

Pliers, Round Plier 45 Degree Bent



Part No.	L inch	L mm	Be-Cu g	Al-Cu g
54-1002	6	150	145	133

Pliers, Snap Ring=Internal



Part No.	L inch	L mm	Be-Cu g	Al-Cu g
55-1002	8	200	280	256
55-1004	10	250	415	380

Pliers, Snap Ring=External



Part No.	L inch	L mm	Be-Cu g	Al-Cu g
56-1002	8	200	290	265
56-1004	10	250	415	380

Bolt Chipper



Part No.	L mm	D mm	Be-Cu g	Al-Cu g
57-1002	600	6	3350	3070
57-1004	900	8	9250	8400

Slotted Screwdriver



Part No.	L ₁ inch	L ₁ mm	L mm	H mm	B mm	Be-Cu g	Al-Cu g
58-1002	2	50	128	0.4	3	35	33
58-1004	2	50	128	0.5	4.5	43	40
58-1006	3	75	153	0.4	3	35	32
58-1008	3	75	153	0.5	4	45	42
58-1010	3	75	173	0.6	5	70	65
58-1012	4	100	173	0.5	4	45	42
58-1014	4	100	198	0.6	5	75	70
58-1016	4	100	208	0.8	6	85	80
58-1018	5	125	233	0.8	6	100	95
58-1020	6	150	258	0.8	6	110	105
58-1022	6	150	258	1	7	125	120
58-1024	6	150	270	1.2	8	140	135
58-1026	8	200	320	1.2	8	165	155
58-1028	10	250	370	1.4	9	185	175
58-1030	10	250	370	2	11	260	245
58-1032	12	300	420	1.8	10	245	230
58-1034	12	300	420	2	11	290	275
58-1036	14	350	470	2	11	320	300
58-1038	16	400	550	2.4	12	450	43

Phillips Screwdriver



Part No.	L ₁ inch	Size	L mm	H mm	mm	Be-Cu g	Al-Cu g
59-1002	2	0	50	128	3	35	32
59-1004	3	1	75	153	4	70	63
59-1006	4	1	100	198	5	75	70
59-1008	5	2	125	233	6	100	95
59-1010	6	2	150	250	6	110	105
59-1012	8	3	200	320	8	165	155
59-1014	10	3	250	370	8	185	170
59-1016	12	4	300	420	9	245	230
59-1018	14	4	350	470	9	270	255
59-1020	16	4	400	550	9	295	280
59-1022	18	4	450	600	9	320	300

Clamp



Part No.	L mm	K mm	B mm	Be-Cu g	Al-Cu g
60-1002	76	19	19	200	180
60-1004	290	115	75	5600	5000
60-1006	370	165	90	11100	10000

Brush



Part No.	L mm	Rows	H mm	Brass g	Phosphor Copper g
61-1002	290*29	4*16	28	115	115