



A

Be—Cu



SAFETY FIRST



No.101A 1/4" Dr Socket Set-8pcs



- G.W.: Be-Cu 710g
Al-Cu 690g

Number	Contents
101A	Socket 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm Driver Type Handle 55mm

No.101B 1/4" Dr Socket Set-9pcs



- G.W.: Be-Cu 740g
Al-Cu 720g

Number	Contents
101B	Socket 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm Driver Type Handle 55mm

No.101C 3/8" Dr Socket Set-11pcs



- G.W.: Be-Cu 1740g
Al-Cu 1650g

Number	Contents
101C	Socket 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 13/16" Spark Plug Ratchet Wrench 200mm Straight Joint Driver Extension 75mm

No.101D 1/4-3/8" Dr Socket Set-21pcs



- G.W.: Be-Cu 2130g
Al-Cu 2000g

Number	Contents
101D	1/4" Socket 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm Ratchet Wrench 200mm Straight Joint Driver Extension 75mm, 150mm 3/8" Socket 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm 13/16" Spark Plug Adaptor Driver Type Handle 55mm

No.101E 1/2" Dr Socket Set-9pcs



- G.W.: Be-Cu 2000g
Al-Cu 1890g

Number	Contents
101E	Socket 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm Offset Handle 230mm

No.101F 1/2" Dr Socket Set-13pcs



- G.W.: Be-Cu 3380g
Al-Cu 3180g

Number	Contents
101F	Socket 8mm, 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm Ratchet Wrench 245mm Hinged Handle 250mm Socket Case

No.101G 1/2" Dr Socket Set-17pcs



- G.W.: Be-Cu 6730g
Al-Cu 6355g

Number	Contents
101G	Socket 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm Ratchet Wrench 245mm Sliding T - Handle 250mm Speed Handle 400mm Driver Extension 125mm, 250mm Socket Case

No.101H 1/2" Dr Socket Set-24pcs



- G.W.: Be-Cu 7370g
Al-Cu 7270g

Number	Contents
101H	Socket 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 27mm, 30mm, 32mm Ratchet Wrench 245mm Sliding T - Handle 250mm Speed Handle 400mm Driver Extension 125mm, 250mm Universal Joint 80mm

No.101I 1/2" Dr Socket Set-28pcs



- G.W.: Be-Cu 9050g
Al-Cu 8520g

Number	Contents
101I	Socket 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 26mm, 27mm, 28mm, 30mm, 32mm Ratchet Wrench 245mm Sliding T - Handle 250mm Speed Handle 400mm Driver Extension 125mm, 250mm Universal Joint 80mm Screwdriver Socket 52mm Socket Case

No.101J 1/2" Dr Socket Set-32pcs



- G.W.: Be-Cu 8980g
Al-Cu 8390g

Number	Contents
101J	Socket 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 20 mm, 21 mm, 22 mm, 23 mm, 24 mm, 26 mm, 27 mm, 28 mm, 30 mm, 32 mm 13/16" Spark Plug Ratchet Wrench 245mm Sliding T - Handle 250mm Speed Handle 400mm Driver Extension 125 mm, 250 mm Universal Joint 80mm Screwdriver Socket 52mm Offset Handle 230mm Socket Case

No.101K 3/4" Dr Socket Set-14pcs



- G.W.: Be-Cu 13240g
Al-Cu 12350g

Number	Contents
101K	Socket 21 mm, 24 mm, 27 mm, 30 mm, 32 mm, 34 mm, 36 mm, 38 mm, 41 mm, 46 mm, 50 mm Ratchet Wrench 320mm Sliding T - Handle 3/4" *400 Driver Extension 200mm

No.101N 1" Dr Socket Set-18pcs



- G.W.: Be-Cu 24900g
Al-Cu 24850g

No.101L 3/4" Dr Socket Set-21pcs



- G.W.: Be-Cu 15270g
Al-Cu 14200g

Number	Contents
101L	Socket 21 mm, 22 mm, 23 mm, 24 mm, 26 mm, 27 mm, 28 mm, 29 mm, 30 mm, 31 mm, 32 mm, 34 mm, 36 mm, 38 mm, 41 mm, 46 mm, 50 mm Ratchet Wrench 320 mm Sliding T - Handle 3/4" *400 Driver Extension 200 mm Socket Case

No.101M 3/4" *1" Dr Socket Set-26pcs



- G.W.: Be-Cu 24900g
Al-Cu 23060g

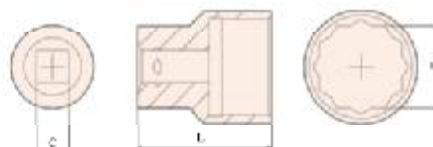
Number	Contents
101M	Socket 21 mm, 22 mm, 23 mm, 24 mm, 26 mm, 27 mm, 28 mm, 29 mm, 30 mm, 31 mm, 32 mm, 34 mm, 36 mm, 38 mm, 41 mm, 46 mm, 50 mm, 55 mm, 60 mm, 65 mm Ratchet Wrench 160mm Sliding T - Handle 3/4" *400 Driver Extension 200mm, 430mm 3/4" *120mm Flex Ball Joint 3/4" *1" Sliding T - Handle

Number	Contents
101N	Socket 30 mm, 31 mm, 32 mm, 34 mm, 36 mm, 38 mm, 41 mm, 46 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm Sliding T - Handle 3/4" *1" Driver Extension 200mm Flex Ball Joint 1" *120mm

Socket



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.



No.102 Socket (C=1/4")

Number	S mm	L mm	Be - Cu g	Al - Cu g
102 - 4	4	25	11	10
102 - 4.5	4.5	25	11	10
102 - 5	5	25	12	11
102 - 5.5	5.5	25	12	11
102 - 6	6	25	13	12
102 - 7	7	25	13	12
102 - 8	8	25	15	14
102 - 9	9	25	21	20
102 - 10	10	25	22	20
102 - 11	11	25	22	20
102 - 12	12	26	25	22
102 - 13	13	26	26	24
102 - 14	14	26	27	25
102 - 15	15	27	33	30
102 - 16	16	27	34	31
102 - 17	17	27	35	32
102 - 18	18	27	36	33
102 - 19	19	27	38	35

Number	S inch	L mm	Be - Cu g	Al - Cu g
102 - 1002	5/32	25	11	10
102 - 1004	3/16	25	11	10
102 - 1006	7/32	25	11	10
102 - 1008	1/4	25	11	10
102 - 1010	9/32	25	11	10
102 - 1012	5/16	25	17	15
102 - 1014	11/32	25	21	20
102 - 1016	3/8	25	23	21
102 - 1018	7/16	25	25	23
102 - 1020	1/2	26	33	30

No.103 Socket (C=3/8")

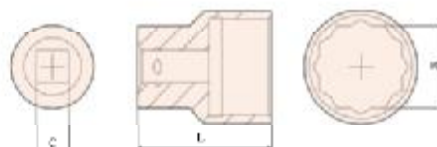
Number	S mm	L mm	Be - Cu g	Al - Cu g
103 - 5	5	28	20	18
103 - 5.5	5.5	28	21	19
103 - 6	6	28	22	20
103 - 7	7	28	22	20
103 - 8	8	28	23	21
103 - 9	9	28	24	22
103 - 10	10	32	39	35
103 - 11	11	32	40	37
103 - 12	12	32	41	38
103 - 13	13	32	42	39
103 - 14	14	32	45	40
103 - 15	15	32	50	45
103 - 16	16	32	55	50
103 - 17	17	32	59	54
103 - 19	19	32	68	60
103 - 20	20	32	72	65

Number	S inch	L mm	Be - Cu g	Al - Cu g
103 - 1002	5/16	28	22	20
103 - 1004	3/8	28	31	28
103 - 1006	7/16	32	39	36
103 - 1008	1/2	32	40	38
103 - 1010	9/16	32	46	42
103 - 1012	5/8	32	70	65
103 - 1014	11/16	32	72	67
103 - 1016	3/4	32	68	60
103 - 1018	13/16	35	87	80
103 - 1020	7/8	35	93	85
103 - 1022	15/16	35	104	95

Socket



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.



No.104 Socket (C=1/2")

Number	S mm	L mm	Be - Cu g	Al - Cu g
104 - 6	6	40	75	69
104 - 7	7	40	77	70
104 - 8	8	40	77	70
104 - 9	9	40	78	71
104 - 10	10	40	78	71
104 - 11	11	40	79	72
104 - 12	12	40	79	72
104 - 13	13	40	80	73
104 - 14	14	40	80	73
104 - 15	15	40	82	75
104 - 16	16	40	85	77
104 - 17	17	40	88	80
104 - 18	18	42	90	82
104 - 19	19	42	110	100
104 - 20	20	42	120	105
104 - 21	21	43	125	110
104 - 22	22	43	130	115
104 - 23	23	43	150	135
104 - 24	24	43	165	145
104 - 25	25	43	180	160
104 - 26	26	43	200	180
104 - 27	27	46	215	190
104 - 28	28	46	225	200
104 - 29	29	46	235	210
104 - 30	30	46	250	220
104 - 32	32	46	295	260

No.104 Socket (C=1/2")

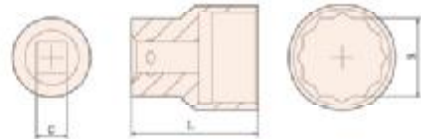
Number	S inch	L mm	Be - Cu g	Al - Cu g
104 - 1002	5/16	40	70	70
104 - 1004	3/8	40	78	71
104 - 1006	7/16	40	79	72
104 - 1008	1/2	40	80	73
104 - 1010	9/16	40	80	73
104 - 1012	5/8	40	88	80
104 - 1014	11/16	40	93	85
104 - 1016	3/4	42	110	100
104 - 1018	13/16	43	125	110
104 - 1020	7/8	43	130	115
104 - 1022	15/16	43	165	145
104 - 1024	1	43	190	170
104 - 1026	1 - 1/16	46	215	190
104 - 1028	1 - 1/4	46	295	260
104 - 1030	1 - 7/16	50	330	300



Socket



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.



No.105 Socket (C=3/4")

Number	S mm	L mm	Be - Cu g	Al - Cu g
105 - 17	17	50	246	225
105 - 19	19	50	246	225
105 - 21	21	55	268	245
105 - 22	22	55	268	245
105 - 23	23	55	306	280
105 - 24	24	55	307	280
105 - 26	26	55	307	280
105 - 27	27	55	312	285
105 - 28	28	55	339	310
105 - 29	29	55	350	320
105 - 30	30	60	410	370
105 - 31	31	60	430	380
105 - 32	32	60	465	410
105 - 34	34	60	480	440
105 - 36	36	60	510	465
105 - 38	38	60	555	510
105 - 41	41	65	660	640
105 - 46	46	65	765	690
105 - 50	50	70	910	825
Number	S inch	L mm	Be - Cu g	Al - Cu g
105 - 1002	3/4	50	240	220
105 - 1004	13/16	55	262	240
105 - 1006	7/8	55	267	245
105 - 1008	15/16	55	305	280
105 - 1010	1	55	310	280
105 - 1012	1 - 1/16	55	315	285
105 - 1014	1 - 1/8	55	345	315
105 - 1016	1 - 3/16	60	400	365
105 - 1018	1 - 1/4	60	437	400
105 - 1020	1 - 5/16	60	472	430
105 - 1022	1 - 3/8	60	515	470
105 - 1024	1 - 7/16	60	525	480
105 - 1026	1 - 1/2	60	580	530
105 - 1028	1 - 5/8	65	702	640
105 - 1030	1 - 3/4	65	761	695
105 - 1032	1 - 13/16	65	830	705
105 - 1034	1 - 7/8	65	850	750
105 - 1036	2	70	965	870

No.106 Socket (C=1")

Number	S mm	L mm	Be - Cu g	Al - Cu g
106 - 22	22	55	361	330
106 - 24	24	55	372	340
106 - 25	25	55	377	345
106 - 26	26	55	383	350
106 - 27	27	55	394	360
106 - 28	28	55	397	363
106 - 29	29	55	399	365
106 - 30	30	60	443	405
106 - 31	31	60	448	410
106 - 32	32	60	481	440
106 - 34	34	60	497	455
106 - 36	36	65	550	500
106 - 38	38	65	620	560
106 - 41	41	70	690	625
106 - 46	46	75	850	740
106 - 50	50	75	850	760
106 - 55	55	80	1160	1000
106 - 60	60	85	1390	1260
106 - 65	65	90	1750	1580
106 - 70	70	90	2150	1950
106 - 75	75	95	2680	2430
106 - 80	80	95	2930	2660
Number	S inch	L mm	Be - Cu g	Al - Cu g
106 - 1002	1 - 1/16	55	394	360
106 - 1004	1 - 1/8	55	398	364
106 - 1006	1 - 3/16	60	442	405
106 - 1008	1 - 1/4	60	470	431
106 - 1010	1 - 5/16	60	483	442
106 - 1012	1 - 3/8	60	490	448
106 - 1014	1 - 7/16	65	560	500
106 - 1016	1 - 1/2	65	620	560
106 - 1018	1 - 5/8	70	690	625
106 - 1020	1 - 7/8	75	850	740
106 - 1022	2	75	960	850
106 - 1024	2 - 1/4	80	1250	1130
106 - 1026	2 - 1/2	90	1590	1350
106 - 1028	2 - 3/4	90	2050	1850
106 - 1030	3	95	2270	2060

Impact Socket



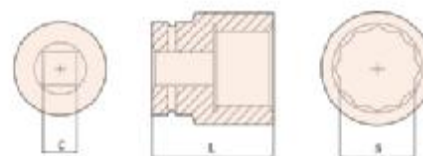
- DIN3129 Die forged
- Work with all kinds of electrical and impact tools.

No.107 Impact Socket (C=3/4")

Number	S mm	L mm	Be - Cu g	Al - Cu g
107 - 24	24	50	380	330
107 - 27	27	53	405	365
107 - 30	30	53	440	390
107 - 32	32	56	475	425
107 - 36	36	56	650	585
107 - 41	41	60	695	625
107 - 46	46	60	770	700
107 - 50	50	70	1100	1000

No.108 Impact Socket (C=1")

Number	S mm	L mm	Be - Cu g	Al - Cu g
108 - 19	19	55	630	570
108 - 21	21	55	640	580
108 - 22	22	55	650	590
108 - 24	24	55	660	600
108 - 26	26	55	735	660
108 - 27	27	55	735	670
108 - 29	29	60	760	690
108 - 30	30	60	765	690
108 - 32	32	60	775	700
108 - 34	34	60	775	700
108 - 35	35	60	775	700
108 - 36	36	60	775	700
108 - 38	38	65	865	780
108 - 41	41	70	930	830
108 - 46	46	75	1380	1265
108 - 50	50	75	1455	1320
108 - 52	52	75	1715	1550
108 - 55	55	75	1830	1650
108 - 58	58	85	2080	1900
108 - 60	60	85	2200	2000
108 - 65	65	85	2460	2250
108 - 70	70	90	2890	2600
108 - 75	75	90	3155	2900
108 - 80	80	90	3560	3200



No.109 Impact Socket (C=1-3/16")

Number	S mm	L mm	Be - Cu g	Al - Cu g
109 - 50	50	90	1930	1755
109 - 52	52	90	2005	1835
109 - 55	55	90	2180	1965
109 - 58	58	90	2200	2000
109 - 60	60	90	2290	2085
109 - 65	65	90	2610	2370
109 - 70	70	90	2840	2585
109 - 75	75	90	3190	2880
109 - 80	80	90	3605	3250

No.110 Impact Socket (C=1-1/4")

Number	S mm	L mm	Be - Cu g	Al - Cu g
110 - 50	50	90	1950	1765
110 - 60	60	90	2300	2100
110 - 70	70	90	2750	2475

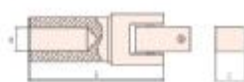
No.110A Impact Socket (C=1-1/2")

Number	S mm	L mm	Be - Cu g	Al - Cu g
110A - 55	55	90	2020	1825
110A - 60	60	90	2360	2135
110A - 65	65	95	2390	2165
110A - 70	70	95	2670	2415
110A - 75	75	100	3180	2875
110A - 80	80	100	3460	3130
110A - 85	85	110	3950	3575
110A - 90	90	110	4230	3830

No.111 Flex Ball Joint



- Die forged
- Flexible head can be vertical rotated 90 degrees
The hole is designed to use with a extension.

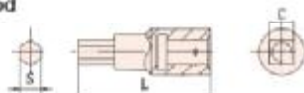


Number	C inch	L mm	Φ mm	Be - Cu g	Al - Cu g
111 - 1002	3/4	120	21	880	800
111 - 1004	1	120	21	1160	1050

No.111A Internal Hexagon Socket



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

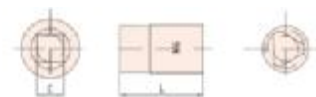


Number	C inch	S mm	L mm	Be - Cu g	Al - Cu g
111A - 1002	1/4	3	55	17	16
111A - 1004		4	55	17	16
111A - 1006		5	55	20	18
111A - 1008		6	55	26	23
111A - 1010		7	55	30	27
111A - 1012		8	65	45	40
111A - 1014		9	65	55	50
111A - 1016		10	65	65	60

No.111B Socket Wrench, Triangular



- Die forged
- Used for tighten or loosen triangular bolts and nuts

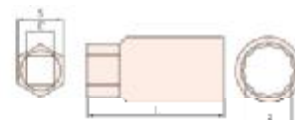


Number	C inch	M mm	L mm	Be - Cu g	Al - Cu g
111B - 1002	1/2	6	40	75	70
111B - 1004		8	40	80	75
111B - 1006		10	40	85	80
111B - 1008		12	40	95	90
111B - 1010		16	50	180	150
111B - 1012		20	50	250	215
111B - 1014		24	60	470	436

No.111C Spark Plug Socket



- Die forged
- It is a special tool for manually disassemble and assemble spark plug.

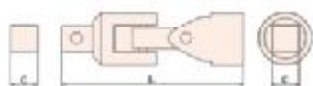


Number	C inch	S inch	L mm	Be - Cu g	Al - Cu g
111C - 1002	3/8	13/16	62	180	160
111C - 1004	1/2	13/16	62	160	145

No.112 Universal Joint



- DIN3123 Die forged
- It is commonly used in shafts that transmit rotary motion.

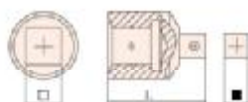


Number	C inch	L mm	Be - Cu g	Al - Cu g
112 - 1002	1/2	80	186	170
112 - 1004	3/4	110	530	480
112 - 1006	1	132	1000	900

No.113 Adaptor



- Die forged
- Used as a convertor to permit use of sockets and driving tools to different drive

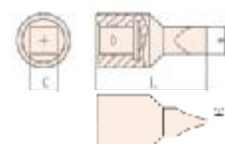


Number	□ inch	■ inch	L mm	Be - Cu g	Al - Cu g
113 - 1002	3/8	1/4	26	22	20
113 - 1004	1/4	3/8	22	22	20
113 - 1006	1/2	3/8	34	80	70
113 - 1008	3/8	1/2	34	50	45
113 - 1010	3/4	1/2	55	290	260
113 - 1012	1/2	3/4	50	170	150
113 - 1014	1	3/4	70	855	770
113 - 1016	3/4	1	60	360	320
113 - 1018	1 - 1/2	1	85	1675	1510
113 - 1020	1	1 - 1/2	85	1230	1100

No.114 Screwdriver Socket



- Die forged
- It is used as a slotted screwdriver when matched with transmission accessories.

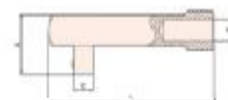


Number	C inch	L mm	H mm	B mm	Be - Cu g	Al - Cu g
114 - 1002	1/2	52	2	13	102	91

No.115 Ratchet Wrench



- DIN3122 Die forged
- Allow the socket to be turned without removing it from the nut or bolt simply by cycling



Number	C inch	L mm	Φ mm	H mm	Be - Cu g	Al - Cu g
115 - 1002	3/4	160	21	55	1660	1530
115 - 1004	1	180	23	60	3270	2960

No.116 Sliding T Type Wrench



- Die forged
- Used for driving of manually operated sockets.



Number	C inch	L mm	Φ mm	H mm	Be - Cu g	Al - Cu g
116 - 1002	3/4	350	19	200	1705	1550
116 - 1004	1	400	21	200	2590	2350

No.118 Hinged Handle



- DIN3122 Die forged
- This tool allows the user to impart considerable torque to fasteners, especially in cases where corrosion has resulted in a difficult-to-loosen part.

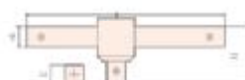


Number	C inch	L mm	L1 mm	Be - Cu g	Al - Cu g
118 - 1002	3/8	190	175	245	220
118 - 1004	1/2	250	230	440	400
118 - 1006	1/2	320	300	565	510
118 - 1008	1/2	400	380	645	580
118 - 1010	3/4	286	260	635	570
118 - 1012	1	304	270	910	830

No.117 Sliding T Handle



- DIN3122 Die forged
- Used for driving of manually operated sockets.

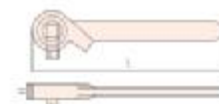


Number	C inch	L mm	H mm	Φ mm	Be - Cu g	Al - Cu g
117 - 1002	1/2	250	39	13	340	310
117 - 1004	3/4	350	54	19	1070	960
117 - 1006	3/4	400	56	21	1335	1221
117 - 1008	1	400	62	21	1620	1481

No.119 Ratchet Wrench



- Die forged
- Allow the socket to be turned without removing it from the nut or bolt simply by cycling the handle forward and backward.

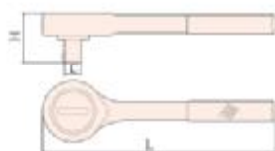


Number	C inch	L mm	H mm	Be - Cu g	Al - Cu g
119 - 1002	1/4	200	16.5	350	305
119 - 1004	3/8	175	16.5	335	302
119 - 1006	3/8	200	16.5	400	360
119 - 1008	1/2	250	16.5	535	480
119 - 1010	3/4	300	22	1290	1170
119 - 1012	1	300	22	1590	1440

No.120 Ratchet Wrench



- DIN3122 Die forged
- Reversing the direction of operation without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

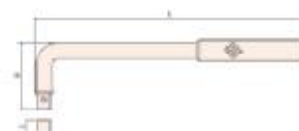


Number	C inch	L mm	H mm	Be - Cu g	Al - Cu g
120 - 1002	3/8	200	30	290	260
120 - 1004	1/2	245	43	690	615
120 - 1006	3/4	320	57	1570	1430
120 - 1008	1	550	67	3400	3070

No.121 Offset Handle



- DIN3122 Die forged
- Used for driving manually operated sockets for working in restricted places.

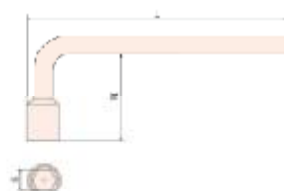


Number	C inch	L mm	H mm	Be - Cu g	Al - Cu g
121 - 1002	3/8	200	50	314	287
121 - 1004	1/2	230	60	410	380
121 - 1006	3/4	280	75	765	699
121 - 1008	1	300	85	1160	1060

No.121A Wrench, Socket L-Type



- Die forged
- Tighten or loosen hex bolts and nuts directly.



Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
121A - 6	6	120	29	100	35
121A - 8	8	144	33	150	60
121A - 10	10	168	37	200	90
121A - 12	12	216	42	220	135
121A - 13	13	240	45	250	190
121A - 14	14	245	45	300	215
121A - 15	15	250	48	350	240
121A - 16	16	255	48	500	290
121A - 17	17	260	51	550	325
121A - 18	18	265	53	550	365
121A - 19	19	270	55	550	400
121A - 20	20	272	57	600	450
121A - 21	21	275	57	750	550
121A - 22	22	278	59	750	645
121A - 23	23	282	60	800	680
121A - 24	24	286	63	850	700
121A - 27	27	294	69	900	800
121A - 30	30	302	75	1000	880
121A - 32	32	310	81	1100	950
121A - 36	36	330	85	1300	1150
121A - 41	41	350	90	1380	1410

No.121B Sliding T Type Wrench



- Die forged
- Tighten or loosen hex bolts and nuts directly.

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
121B - 7	7	120	120	100	90
121B - 9	9	130	130	155	140
121B - 11	11	140	150	190	170
121B - 14	14	150	170	265	240
121B - 17	17	170	190	410	370
121B - 19	19	180	210	535	480
121B - 22	22	190	240	750	680
121B - 24	24	200	270	950	860
121B - 27	27	200	270	1110	1000
121B - 30	30	200	280	1340	1210
121B - 32	32	200	280	1440	1300
121B - 36	36	200	280	1980	1800

No.121C Socket, Double End



- Die forged
- Tighten or loosen hex bolts and nuts directly.
- Suitable for two sizes



Number	S1* S2 mm	L mm	Be - Cu g	Al - Cu g
121C - 0607	6*7	105	70	65
121C - 0809	8*9	115	90	80
121C - 1011	10*11	120	110	120
121C - 1213	12*13	140	170	160
121C - 1415	14*15	140	255	230
121C - 1617	16*17	155	440	340
121C - 1819	18*19	165	520	460
121C - 2022	20*22	175	630	570
121C - 2123	21*23	185	670	600
121C - 2427	24*27	195	870	785
121C - 2528	25*28	205	965	870
121C - 2730	27*30	210	1000	900

No.122 Driver Extension



- Die forged
- Tighten or loosen hex bolts and nuts directly.



Number	C inch	L mm	Be - Cu g	Al - Cu g
122 - 1002	3/8	75	93	80
122 - 1004	3/8	150	185	160
122 - 1006	1/2	100	245	225
122 - 1008	1/2	125	260	230
122 - 1010	1/2	200	365	330
122 - 1012	1/2	250	470	425
122 - 1014	3/4	200	855	770
122 - 1016	1	200	1525	1380

No.123 Speed Handle



- DIN3122 Precision Casting
- Used instead of a ratchet in narrow space. Crank-shaped handle can save substantial time and effort.

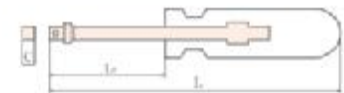


Number	C inch	L mm	H mm	Be - Cu g	Al - Cu g
123 - 1002	1/2	390	96	780	700

No.124 Driver Type Handle



- Die forged
- It is used with 1/4" Dr. Socket.



Number	C inch	L mm	L1 mm	Be - Cu g	Al - Cu g
124 - 1002	1/4	163	55	62	85

No.124A Labor Saving Wrench



- Precision Casting
- Disassemble or assemble automobile tires efficiently by using planetary gear transmission mechanisms



Number	size	Be - Cu g	Al - Cu g
124A - 1002	ZB - 16	2000	1800
124A - 1004	ZB - 58	6850	6200
124A - 1006	ZB - 68	8050	7300
124A - 1008	ZB - 78	8300	7500





B

DIE FORGED MAKING
KEEP AHEAD THE WORLD



Be—Cu

No.125 Wrench, Adjustable



- QB/T2613.8-2005 Die forged
- It is suitable for different sizes of fasteners by adjusting the opening size.

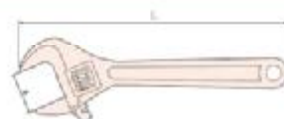


Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
125 - 1002	100	13	33	30
125 - 1004	150	18	135	120
125 - 1006	200	24	281	255
125 - 1008	250	30	440	401
125 - 1010	300	36	720	655
125 - 1012	375	46	1410	1290
125 - 1014	450	55	2261	2065
125 - 1016	600	65	4705	4301

No.125A Wrench, Adjustable



- QB/T2613.8-2005 Die forged
- It is suitable for different sizes of fasteners by adjusting the opening size.
- Insulated handle

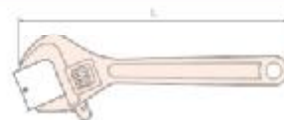


Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
125A - 1002	100	13	33	30
125A - 1004	150	18	135	120
125A - 1006	200	24	281	255
125A - 1008	250	30	440	401
125A - 1010	300	36	720	655
125A - 1012	375	46	1410	1290
125A - 1014	450	55	2261	2065
125A - 1016	600	65	4705	4301

No.125B Wrench, Adjustable



- QB/T2613.8-2005 Die forged
- It is suitable for different sizes of fasteners by adjusting the opening size.
- Red finish

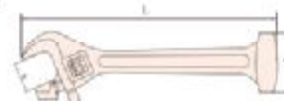


Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
125B - 1002	100	13	33	30
125B - 1004	150	18	135	120
125B - 1006	200	24	281	255
125B - 1008	250	30	440	401
125B - 1010	300	36	720	655
125B - 1012	375	46	1410	1290
125B - 1014	450	55	2261	2065
125B - 1016	600	65	4705	4301

No.126 Wrench, Adjustable



- Q/ZBF-126 Precision Casting
- This adjustable wrench can also be used as a hammer.

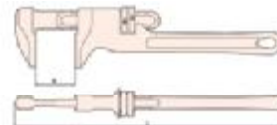


Number	L mm	K _{max} mm	H mm	Be - Cu g	Al - Cu g
126 - 1002	350	36	80	1384	1251

No.127 Wrench, Monkey

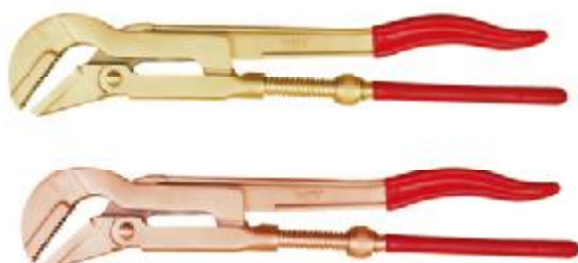


- Q/ZBF-127 Die forged
- Replace the adjustable wrench by used for heavier task.



Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
127 - 1002	240	45	510	470
127 - 1004	254	48	615	560
127 - 1006	305	58	910	820
127 - 1008	350	65	1220	1120
127 - 1010	380	70	1465	1340

No.128 Wrench, Swedish Type 45°



- DIN5234 Die forged
- Grip pipe and pipe fittings securely.
- Long handle.

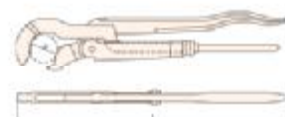


Number	L mm	K mm	Be - Cu g	Al - Cu g
128 - 1002	430	38	1550	1400
128 - 1004	530	50	2230	2000

No.128A Wrench, Swedish Type



- DIN5234 Die forged
- Clamp mouth prevent workpiece slidding and ensure the max rotate in restricted space.



Number	L mm	D inch	Be - Cu g	Al - Cu g
128A - 1002	530	2	2605	2355
128A - 1004	650	3	4500	4060
128A - 1006	790	4	6200	5600

No.128B Wrench, Swedish Type 90°



- DIN5234 Die forged
- Grip pipe and pipe fittings securely.
- Long handle.

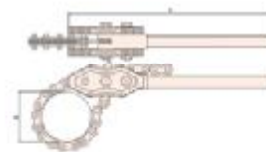


Number	L mm	K mm	Be - Cu g	Al - Cu g
128B - 1002	430	38	1480	1330

No.129 Wrench, Chain Pipe



- DIN17200 Die forged
- Used for tighten or loosen bigger sizes pipes and pipe fittings.



Number	L m m	D _{max} m m	Be - Cu g	Al - Cu g
129 - 1002	600	100	3955	3605
129 - 1004	600	150	4650	4200
129 - 1006	900	200	8600	7800
129 - 1008	900	300	9810	9000

No.129A Wrench, Chain Pipe Light



- Q/ZBF-129A Die forged
- Used for tighten or loosen bigger sizes pipes and pipe fittings.

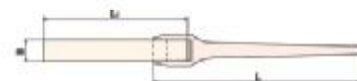


Number	L m m	D _{max} m m	Be - Cu g	Al - Cu g
129A - 1002	600	100	2105	1910
129A - 1004	1600	450	10500	9500

No.129B Wrench, Belt Pipe



- Q/ZBF-129B Precision Casting
- Strong nylon belt will not slip.
- Prevent the surface from damaging.



Number	L m m	L ₁ m m	B m m	Be - Cu g	Al - Cu g
129B - 1002	300	425	30	810	735

No.129C Universal Wrench



- Q/ZBF-129C Precision Casting
- One handed with thumb trigger for quick opening.

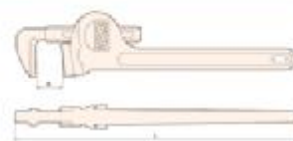


Number	L m m	D m m	Be - Cu g	Al - Cu g
129C - 1002	250	10 - 30	870	780
129C - 1004	450	30 - 60	2450	2200

No.130 Wrench, Pipe



- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.



Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
130 - 1002	200	25	420	380
130 - 1004	250	30	610	550
130 - 1006	300	40	787	750
130 - 1008	350	50	1155	1050
130 - 1010	450	60	1874	1705
130 - 1012	600	75	3417	3110
130 - 1014	900	125	6336	5765
130 - 1016	1200	150	12894	11410

No.130A Wrench, Pipe



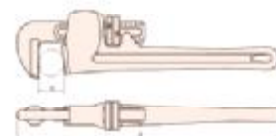
- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
130 A - 1002	200	25	420	380
130 A - 1004	250	30	610	550
130 A - 1006	300	40	787	750
130 A - 1008	350	50	1155	1050
130 A - 1010	450	60	1874	1705
130 A - 1012	600	75	3417	3110
130 A - 1014	900	125	6336	5765
130 A - 1016	1200	150	12894	11410

No.131 Wrench, Pipe (American Type)



- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.



Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
131 - 1002	200	25	460	418
131 - 1004	250	30	810	738
131 - 1006	300	40	1158	1050
131 - 1008	350	50	1450	1318
131 - 1010	450	60	2485	2260
131 - 1012	600	75	3820	3470
131 - 1014	900	85	6482	5890
131 - 1016	1200	110	13890	12620

No.131A Wrench, Pipe (American Type)



- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
131 A - 1002	200	25	460	418
131 A - 1004	250	30	810	738
131 A - 1006	300	40	1158	1050
131 A - 1008	350	50	1450	1318
131 A - 1010	450	60	2485	2260
131 A - 1012	600	75	3820	3470
131 A - 1014	900	85	6482	5890
131 A - 1016	1200	110	13890	12620

No.131B Wrench,Pipe (Diagonal Type)



- Q/ZBF-131B Precision Casting
- Used for disassembling or assembling pipes and fittings.
- The bent head (45 degree angle) can be used in special space.



Number	L mm	D _{max} mm	Be - Cu g	Al - Cu g
131B - 1002	200	34	560	510
131B - 1004	250	48	930	840
131B - 1006	300	50	1470	1330
131B - 1008	375	60	1780	1610
131B - 1010	450	76	2650	2400

No.131C Wrench,Pipe (Bent Type)



- Q/ZBF-131C Precision Casting
- Used for disassembling or assembling pipes and fittings.
- The bent head (90 degree angle) can be used in special space.



Number	L mm	D _{max} mm	Be - Cu g	Al - Cu g
131C - 1002	200	34	500	450
131C - 1004	250	48	850	780
131C - 1006	300	50	1200	1090
131C - 1008	375	60	1950	1770
131C - 1010	450	76	2730	2480

No.131D Wrench,Pipe (Hex Type)



- Q/ZBF-131D Precision Casting
- Hexagonal head design increased the contact area with the fasteners and firmly grip.

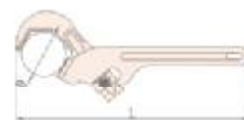


Number	L mm	D _{max} mm	Be - Cu g	Al - Cu g
131D - 1002	250	30	1250	1130
131D - 1004	350	50	1785	1620

No.131E Wrench,Pipe (Bent & Hex Type)



- Q/ZBF-131E Die forged
- Hexagonal head design increased the contact area with the fasteners. The bent head (45 degree angle) can be used for special space.

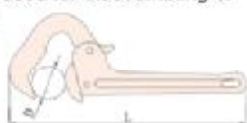


Number	L mm	D _{max} mm	Be - Cu g	Al - Cu g
131E - 1002	250	30	1250	1130
131E - 1004	350	50	1785	1620

No.131F Wrench, Pipe (Rapid Grip)



- Q/ZBF-131F Die forged
- It is adjustable wrench used for disassembling or assembling pipes and fittings, one-hand operated, easy for use.



Number	L mm	D _{max} mm	Be - Cu g	Al - Cu g
131F - 1002	250	48	980	880
131F - 1004	350	60	1900	1710



No.132 Set-9pcs Wrench, Combination

Number	S mm	Be - Cu g	Al - Cu g
132	8, 10, 12, 14, 17, 19, 22, 24, 27	1815	1655

No.133 Set-11pcs Wrench, Combination

Number	S mm	Be - Cu g	Al - Cu g
133	8, 10, 12, 14, 17, 19, 22, 24, 27, 30, 32	3235	2955

No.134 Set-13pcs Wrench, Combination

Number	S mm	Be - Cu g	Al - Cu g
134	8, 10, 12, 13, 14, 16, 17, 19, 22, 24, 27, 30, 32	3485	3175

No.135 Wrench, Combination



- DIN3113 Die forged
- Both ends generally fit the same size of bolts and nuts.



Number	S mm	L mm	Be - Cu g	Al - Cu g
135 - 6	6	105	22	20
135 - 7	7	120	37	34
135 - 8	8	120	37	34
135 - 9	9	135	55	50
135 - 10	10	135	55	50
135 - 11	11	150	75	75
135 - 12	12	150	75	70
135 - 13	13	175	122	110
135 - 14	14	175	122	110
135 - 15	15	195	160	145
135 - 16	16	195	155	140
135 - 17	17	195	155	140
135 - 18	18	215	210	190
135 - 19	19	215	210	190
135 - 20	20	230	225	200
135 - 21	21	230	225	200
135 - 22	22	245	250	220
135 - 23	23	265	265	233
135 - 24	24	265	260	230
135 - 25	25	265	260	230
135 - 26	26	290	420	380
135 - 27	27	290	420	380
135 - 30	30	320	560	500
135 - 32	32	340	670	600
135 - 34	34	360	850	750
135 - 35	35	360	890	800
135 - 36	36	360	890	800
135 - 38	38	430	1440	1300
135 - 41	41	430	1440	1300
135 - 46	46	480	1890	1700
135 - 50	50	520	2220	2000
135 - 55	55	560	2460	2230
135 - 60	60	595	3300	2950
135 - 65	65	595	3250	2900
135 - 70	70	630	4550	4100

Number	S inch	L mm	Be - Cu g	Al - Cu g
135A - 1002	1/4	105	22	20
135A - 1004	5/16	120	37	34
135A - 1006	3/8	135	55	50
135A - 1008	7/16	150	75	70
135A - 1010	1/2	175	125	115
135A - 1012	9/16	175	122	110
135A - 1014	19/32	195	160	145
135A - 1016	5/8	195	155	140
135A - 1018	11/16	195	155	140
135A - 1020	3/4	215	210	190
135A - 1022	13/16	230	225	200
135A - 1024	7/8	245	250	225
135A - 1026	15/16	265	260	230
135A - 1028	1	265	260	230
135A - 1030	1 - 1/16	290	420	380
135A - 1032	1 - 1/8	320	560	500
135A - 1034	1 - 3/16	320	560	500
135A - 1036	1 - 1/4	340	670	600
135A - 1038	1 - 5/16	360	850	750
135A - 1040	1 - 3/8	360	890	800

No.136 Wrench, Combination



- DIN3113 Die forged
- Both ends generally fit the same size of bolts and nuts.



Number	S mm	L mm	Be - Cu g	Al - Cu g
136 - 6	6	105	18	16
136 - 7	7	120	40	40
136 - 8	8	120	40	40
136 - 9	9	135	45	42
136 - 10	10	135	45	42
136 - 11	11	150	65	60
136 - 12	12	150	65	60
136 - 13	13	175	90	82
136 - 14	14	175	90	82
136 - 15	15	195	140	125
136 - 16	16	195	140	125
136 - 17	17	195	140	125
136 - 18	18	215	180	165
136 - 19	19	215	180	165
136 - 20	20	215	180	165
136 - 21	21	245	280	260
136 - 22	22	245	280	260
136 - 23	23	265	320	290
136 - 24	24	265	320	290
136 - 25	25	265	500	455
136 - 26	26	290	500	455
136 - 27	27	290	500	455
136 - 30	30	320	700	635
136 - 32	32	340	780	710
136 - 34	34	360	1000	910
136 - 36	36	360	1000	910
136 - 38	38	430	1450	1310
136 - 41	41	430	1420	1190
136 - 46	46	480	1760	1590
136 - 50	50	520	2020	1830
136 - 55	55	560	2000	1810
136 - 60	60	595	2920	2640
136 - 65	65	595	3440	3110
136 - 70	70	630	4130	3730
136 - 75	75	630	4000	3620
136 - 80	80	660	5400	4880
136 - 85	85	660	5320	4800
136 - 90	90	720	7100	6410
136 - 95	95	720	7000	6250
136 - 100	100	780	8950	8100
136 - 110	110	780	10350	9369
136 - 120	120	900	12750	11560

No.136B Wrench, Combination



No.136A Wrench, Combination Ratchet



- Q/ZBF-126A Precision Casting
- Different with the combination wrench, the ring end adopts ratchet structure.



Number	S mm	L mm	Be - Cu g	Al - Cu g
136A - 17	17	220	250	225
136A - 19	19	240	310	280
136A - 22	22	270	420	380
136A - 24	24	290	570	510
136A - 27	27	315	750	675
136A - 30	30	350	1000	900
136A - 32	32	370	1155	1040

No.137 Wrench, Combination



- Q/ZBF-137 Die forged
- The offset box end can be used in deep concavity position.



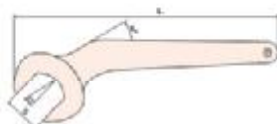
Number	S mm	L mm	Be - Cu g	Al - Cu g
137 - 17	17	240	230	210
137 - 19	19	270	280	250
137 - 21	21	290	380	340
137 - 22	22	295	440	370
137 - 24	24	320	460	390
137 - 27	27	350	605	520

Number	S mm	L mm	Be - Cu g	Al - Cu g
136B - 17	17	195	161	148
136B - 19	19	215	210	90
136B - 22	22	245	280	260
136B - 24	24	265	380	335
136B - 27	27	285	484	444
136B - 30	30	310	656	600
136B - 32	32	330	770	705
136B - 36	36	345	1090	1002
136B - 41	41	366	1220	1120
136B - 46	46	405	1550	1420
136B - 50	50	420	1735	1590
136B - 55	55	445	2210	2025
136B - 60	60	462	2585	2365
136B - 65	65	470	2980	2740

No.138 Wrench, Bent Open End



- QB/T2613.1 Die forged
- The bent open end can be used in narrow space.



Number	S mm	L mm	Be - Cu g	Al - Cu g
138 - 12	12	120	55	50
138 - 14	14	130	90	80
138 - 17	17	150	125	115
138 - 19	19	170	180	165
138 - 22	22	190	250	230
138 - 24	24	210	255	235
138 - 27	27	230	380	350
138 - 30	30	250	490	450
138 - 32	32	270	590	545
138 - 34	34	280	720	660
138 - 36	36	290	850	780
138 - 41	41	310	1090	1005
138 - 46	46	330	1340	1225
138 - 50	50	350	1615	1480
138 - 55	55	370	2135	1955

No.139 Wrench, Construction With Pin



- QB/T2613.1 Die forged
- The sharp tail has a variety of uses.



Number	S mm	L mm	Be - Cu g	Al - Cu g
139 - 17	17	220	125	115
139 - 19	19	240	160	145
139 - 22	22	260	210	190
139 - 24	24	280	265	240
139 - 27	27	300	350	315
139 - 30	30	320	445	405
139 - 32	32	340	530	480
139 - 36	36	360	720	650
139 - 41	41	380	1010	910
139 - 46	46	400	1115	1010
139 - 50	50	420	1165	1055
139 - 55	55	450	1485	1345
139 - 60	60	480	2015	1825

No.140 Wrench, Single Open End



- DIN894 Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient



Number	S mm	L mm	Be - Cu g	Al - Cu g
140 - 8	8	95	40	35
140 - 10	10	100	50	45
140 - 12	12	110	65	60
140 - 14	14	140	95	85
140 - 17	17	160	105	95
140 - 19	19	170	130	115
140 - 22	22	195	170	152
140 - 24	24	220	190	170
140 - 27	27	240	285	260
140 - 30	30	260	320	290
140 - 32	32	275	400	365
140 - 34	34	290	455	410
140 - 36	36	310	530	480
140 - 41	41	345	615	555
140 - 46	46	375	950	860
140 - 50	50	410	1080	950
140 - 55	55	450	1380	1200
140 - 60	60	490	1950	1700
140 - 65	65	530	2250	2000
140 - 70	70	570	2850	2550
140 - 75	75	610	3200	2800

No.140D Wrench, Single Open End

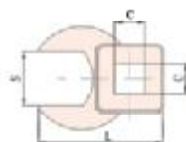


Number	S mm	L mm	Be - Cu g	Al - Cu g
140D - 22	22	180	220	180
140D - 24	24	196	235	195
140D - 27	27	225	330	280
140D - 30	30	255	450	390
140D - 32	32	275	602	520
140D - 36	36	300	901	775
140D - 41	41	325	1040	950
140D - 46	46	350	1180	1080

No.140A Crow Foot Open End



- Q/ZBF-140A Die forged
- Matched with torque wrench, used to perform protection when tighten or loosen special bolts and nuts.

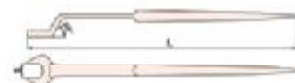


Number	C inch	S inch	L mm	Be - Cu g	Al - Cu g
140A - 1002	3/8	9/16	35	55	50
140A - 1004		5/8	37	55	50
140A - 1006		11/16	38	55	50
140A - 1008		7/8	43	60	55
140A - 1010		1-1/8	50	83	75
140A - 1012		1-1/4	53	95	85
140A - 1014		1-3/8	56	103	90
140A - 1016		1-1/2	59	130	120
140A - 1018		1-7/8	72	180	160
140A - 1020		2	75	190	165
140A - 1022		2-1/4	81	200	180
140A - 1024	1/2	14	40	60	55
140A - 1026		16	43	62	58
140A - 1028		17	43	62	58
140A - 1030		19	49	105	95
140A - 1032		20	49	105	95
140A - 1034		22	52	120	102
140A - 1036		27	59	145	125

No.140B Wrench, Construction, Offset Type With Pin



- GB/T 4388 Die forged
- The sharp tail has a variety of uses.



Number	S mm	L mm	Be - Cu g	Al - Cu g
140B - 17	17	320	210	195
140B - 19	19	350	320	290
140B - 22	22	350	430	390
140B - 24	24	370	480	430
140B - 27	27	370	640	580
140B - 30	30	400	800	720
140B - 32	32	400	800	720
140B - 36	36	430	950	860
140B - 41	41	470	1270	1150
140B - 46	46	500	1600	1445
140B - 50	50	530	1885	1700
140B - 55	55	560	2160	1950

No.140C T-Handle Wrench



- Q/ZBF-140C Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient.



Number	S mm	K mm	L mm	Be - Cu g	Al - Cu g
140C - 8	8	5	215	135	120
140C - 10	10	6	215	140	125
140C - 12	12	8	215	145	130
140C - 14	14	10	215	150	135

No.141 Wrench, Striking Open

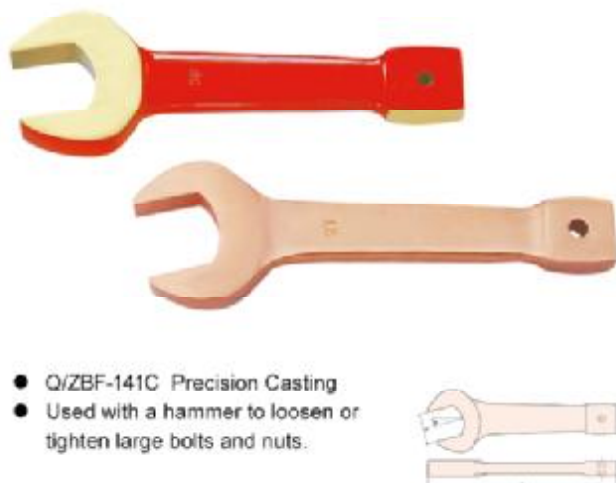


- DIN133 Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be - Cu g	Al - Cu g
141 - 17	17	125	150	135
141 - 19	19	125	150	135
141 - 22	22	135	195	175
141 - 24	24	150	245	220
141 - 27	27	175	335	300
141 - 30	30	190	435	390
141 - 32	32	190	515	460
141 - 36	36	200	725	655
141 - 41	41	230	955	860
141 - 46	46	250	1225	1100
141 - 50	50	275	1560	1420
141 - 55	55	305	1850	1680
141 - 60	60	315	2190	1970
141 - 65	65	335	3060	2780
141 - 70	70	370	4030	3660
141 - 75	75	375	4200	3800
141 - 80	80	400	5650	5130
141 - 85	85	400	6000	5400
141 - 90	90	445	7800	7050
141 - 95	95	445	7730	7000
141 - 100	100	485	11600	10500
141 - 110	110	513	13500	12000

Number	S inch	L mm	Be - Cu g	Al - Cu g
141 - 1002	3/4	125	150	135
141 - 1004	7/8	135	195	175
141 - 1006	15/16	150	245	220
141 - 1008	1	175	335	300
141 - 1010	1-1/8	190	435	390
141 - 1012	1-1/4	190	515	460
141 - 1014	1-7/16	200	725	655
141 - 1016	1-1/2	220	860	780
141 - 1018	1-5/8	230	955	860
141 - 1020	1-3/4	250	1225	1100
141 - 1022	1-7/8	250	1225	1100
141 - 1024	2	275	1550	1400
141 - 1028	2-1/8	305	1850	1680
141 - 1030	2-1/4	315	2190	1970
141 - 1032	2-3/8	315	2190	1970
141 - 1034	2-1/2	335	3060	2780
141 - 1036	2-3/4	370	4030	3660
141 - 1038	3	375	4200	3800
141 - 1040	3-1/8	400	5650	5130
141 - 1042	3-1/2	445	7800	7050
141 - 1044	3-3/4	445	7730	7000
141 - 1046	4	485	11600	10500

No.141A Wrench, Striking Open



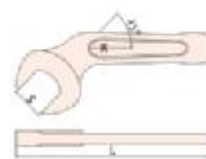
- Q/ZBF-141C Precision Casting
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be - Cu g	Al - Cu g
141A - 17	17	130	133	120
141A - 19	19	140	172	155
141A - 22	22	155	252	230
141A - 24	24	165	305	275
141A - 27	27	175	385	350
141A - 30	30	185	515	470
141A - 32	32	195	585	535
141A - 36	36	210	851	780
141A - 41	41	225	1055	965
141A - 46	46	240	1245	1140
141A - 50	50	255	1580	1445
141A - 55	55	270	1865	1705
141A - 60	60	285	2205	2015
141A - 65	65	305	3060	2805
141A - 70	70	325	3620	3310
141A - 75	75	345	3905	3570
141A - 80	80	365	4845	4440
141A - 90	90	385	5370	4920

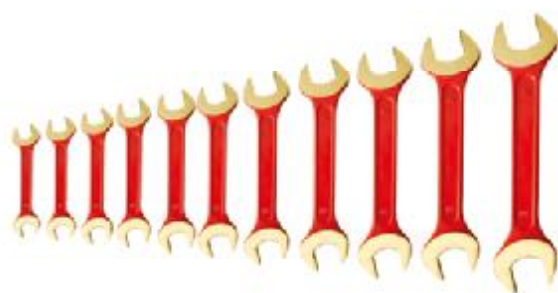
No.141B Wrench, Bent Striking Open



- Q/ZBF-141B Die forged
- Different from the slogging open, the bent head (45 degree angle) can be used in special space.



Number	S mm	L mm	Be - Cu g	Al - Cu g
141B - 17	17	125	160	150
141B - 19	19	125	160	150
141B - 22	22	135	180	160
141B - 24	24	150	245	220
141B - 27	27	175	420	380
141B - 30	30	190	480	440
141B - 32	32	190	480	440
141B - 34	34	200	600	540
141B - 36	36	210	680	620
141B - 38	38	230	980	800
141B - 41	41	230	950	860
141B - 46	46	250	1270	1150
141B - 50	50	275	1380	1250
141B - 55	55	305	1780	1620
141B - 60	60	315	2560	2350
141B - 65	65	335	3000	2750



No.142 Set-9pcs Wrench, Double Open End

Number	S1*S2 mm	Be - Cu g	Al - Cu g
142	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 30*32	2810	2570

No.143 Set-11pcs Wrench, Double Open End

Number	S1*S2 mm	Be - Cu g	Al - Cu g
143	8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3530	3230

No.144 Set-13pcs Wrench, Double Open End

Number	S1*S2 mm	Be - Cu g	Al - Cu g
144	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3610	3295

No.145 Wrench, Double Open End



- QB/T 2613.1 Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
145 - 0607	6*7	92	40	35
145 - 0709	7*9	96	45	40
145 - 0810	8*10	100	60	55
145 - 0911	9*11	110	75	70
145 - 1012	10*12	120	95	87
145 - 1214	12*14	130	145	133
145 - 1417	14*17	150	180	165
145 - 1719	17*19	170	235	215
145 - 1922	19*22	185	330	302
145 - 2224	22*24	210	445	430
145 - 2427	24*27	230	535	490
145 - 2730	27*30	250	650	593
145 - 3032	30*32	265	775	710
145 - 3036	30*36	270	925	845
145 - 3234	32*34	275	1055	965
145 - 3236	32*36	290	1155	1055
145 - 3436	34*36	305	1475	1350
145 - 3641	36*41	335	1610	1470
145 - 4146	41*46	355	1790	1640
145 - 4650	46*50	370	2220	2030
145 - 5055	50*55	385	2610	2385
145 - 5060	50*60	400	3085	2820
145 - 5560	55*60	415	3270	2990
145 - 6065	60*65	435	4540	4150
145 - 6570	65*70	460	6130	5605

No.146 Wrench, Double Open End



- GB/T2613.1 Die forged
- Used to tighten or loosen bolts and nuts.



Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
146 - 0507	5.5*7	90	23	20
146 - 0607	6*7	92	25	22
146 - 0709	7*9	96	28	25
146 - 0810	8*10	100	34	31
146 - 0911	9*11	110	50	45
146 - 1011	10*11	115	52	47
146 - 1012	10*12	120	60	55
146 - 1014	10*14	124	68	62
146 - 1213	12*13	128	73	67
146 - 1214	12*14	130	75	69
146 - 1317	13*17	140	110	100
146 - 1415	14*15	143	115	105
146 - 1417	14*17	150	120	110
146 - 1617	16*17	157	130	120
146 - 1618	16*18	163	145	130
146 - 1719	17*19	170	150	135
146 - 1721	17*21	173	185	165
146 - 1819	18*19	179	200	180
146 - 1921	19*21	182	210	190
146 - 1922	19*22	185	220	200
146 - 1924	19*24	190	235	210
146 - 2022	20*22	195	250	225
146 - 2123	21*23	200	270	235
146 - 2126	21*26	205	275	245

Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
146 - 2224	22*24	210	312	285
146 - 2227	22*27	215	320	292
146 - 2326	23*26	220	330	302
146 - 2427	24*27	230	345	310
146 - 2430	24*30	233	365	330
146 - 2528	25*28	236	365	330
146 - 2632	26*32	243	465	420
146 - 2730	27*30	250	485	430
146 - 2732	27*32	255	600	549
146 - 3032	30*32	265	610	540
146 - 3036	30*36	270	815	730
146 - 3234	32*34	270	815	730
146 - 3236	32*36	300	885	800
146 - 3436	34*36	300	885	800
146 - 3638	36*38	330	1350	1210
146 - 3641	36*41	330	1350	1210
146 - 3840	38*40	330	1350	1210
146 - 4146	41*46	355	1590	1430
146 - 4650	46*50	370	2050	1850
146 - 5055	50*55	385	2160	1950
146 - 5060	50*60	400	2488	2275
146 - 5560	55*60	415	2700	2450
146 - 6065	60*65	435	3950	3600

No.146A Wrench, Double Open End



- DIN895 Die forged
- Used to tighten or loosen bolts and nuts, DIN 895 design, high grade appearance.

Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
146A - 1002	14*17	160	110	100
146A - 1004	17*19	180	120	110
146A - 1006	19*22	200	160	140
146A - 1008	19*24	220	180	160
146A - 1010	22*24	230	240	220
146A - 1012	24*27	255	340	305
146A - 1014	27*30	280	420	380
146A - 1016	30*32	300	530	480
146A - 1018	32*36	320	635	570
146A - 1020	34*36	330	740	670
146A - 1022	36*41	350	900	810
146A - 1024	41*46	380	1060	955
146A - 1026	46*50	420	1310	1190
146A - 1028	50*55	460	1900	1720
146A - 1030	55*60	500	2800	2530

No.147 Wrench, Double Open End



- QB/T2613.1 Die forged
- Used to tighten or loosen bolts and nuts.



Number	S1*S2 inch	L mm	Be - Cu g	Al - Cu g
147 - 1002	1/4*5/16	90	34	30
147 - 1004	5/16*3/8	100	45	40
147 - 1006	3/8*7/16	110	60	55
147 - 1008	3/8*1/2	115	68	60
147 - 1010	7/16*1/2	120	85	78
147 - 1012	1/2*9/16	130	90	80
147 - 1014	9/16*5/8	150	120	105
147 - 1016	5/8*11/16	160	155	130
147 - 1018	5/8*3/4	165	160	135
147 - 1020	11/16*3/4	170	170	145
147 - 1022	3/4*13/16	180	225	185
147 - 1024	3/4*7/8	185	230	200
147 - 1026	13/16*7/8	190	240	215
147 - 1028	7/8*15/16	210	305	270
147 - 1030	15/16*1	220	365	305
147 - 1032	1*1-1/16	230	405	355
147 - 1034	1-1/16*1-1/8	235	450	380
147 - 1036	1-1/8*1-3/16	245	548	480
147 - 1038	1-3/16*1-1/4	250	600	525



- QB/T2613.5 Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.

No.148 Set-9pcs Wrench, Double Box Offset

Number	S1*S2 mm	Be - Cu g	Al - Cu g
148	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 30*32	2815	2575

No.149 Set-11pcs Wrench, Double Box Offset

Number	S1*S2 mm	Be - Cu g	Al - Cu g
149	8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3585	3275

No.150 Set-13pcs Wrench, Double Box Offset

Number	S1*S2 mm	Be - Cu g	Al - Cu g
150	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3630	3320

No.151 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
151 - 0507	5.5*7	115	22	20
151 - 0607	6*7	115	25	23
151 - 0709	7*9	130	50	46
151 - 0810	8*10	130	55	50
151 - 0911	9*11	140	70	65
151 - 1011	10*11	140	80	75
151 - 1012	10*12	140	85	78
151 - 1213	12*13	160	120	110
151 - 1214	12*14	160	151	140
151 - 1417	14*17	220	205	180
151 - 1618	16*18	220	220	202
151 - 1719	17*19	250	225	205
151 - 1722	17*22	250	290	265
151 - 1819	18*19	250	295	270
151 - 1922	19*22	280	310	280
151 - 1924	19*24	310	355	320
151 - 2123	21*23	285	405	360
151 - 2126	21*26	320	450	410
151 - 2224	22*24	310	455	415
151 - 2427	24*27	340	520	475
151 - 2430	24*30	350	550	501
151 - 2528	25*28	350	580	530
151 - 2632	26*32	370	640	570
151 - 2730	27*30	360	705	645
151 - 3032	30*32	380	805	736
151 - 3036	30*36	395	1050	960
151 - 3234	32*34	400	1080	980
151 - 3236	32*36	405	1145	1030
151 - 3436	34*36	420	1165	1065
151 - 3641	36*41	445	1600	1465
151 - 4146	41*46	470	2077	1905
151 - 4650	46*50	490	2530	2315
151 - 5055	50*55	510	2580	2360
151 - 5060	50*60	520	3002	2745
151 - 5560	55*60	530	3203	2905
151 - 6070	60*70	560	4105	3605

No.151A Wrench, Double Box Offset



- DIN838 Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.



Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
151A - 1719	17*19	280	180	160
151A - 1922	19*22	300	210	190
151A - 1924	19*24	320	320	290
151A - 2123	21*23	320	370	335
151A - 2224	22*24	330	420	380
151A - 2427	24*27	340	480	430
151A - 2730	27*30	350	530	480
151A - 3032	30*32	370	690	620
151A - 3236	32*36	430	1000	910
151A - 3641	36*41	470	1270	1150
151A - 4146	41*46	500	1580	1430
151A - 4650	46*50	525	1900	1720
151A - 5055	50*55	550	2850	2580

No.152 Wrench, Double Box Offset



- QB/T2613.5 Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.
- American type.

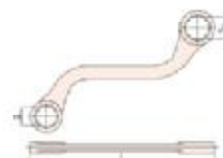


Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
152 - 0507	5.5*7	120	40	35
152 - 0607	6*7	122	45	40
152 - 0709	7*9	126	50	46
152 - 0810	8*10	130	55	50
152 - 0910	9*10	135	60	55
152 - 0911	9*11	140	70	65
152 - 1012	10*12	160	85	80
152 - 1013	10*13	164	90	85
152 - 1014	10*14	168	110	100
152 - 1113	11*13	172	110	105
152 - 1213	12*13	176	120	115
152 - 1214	12*14	180	125	110
152 - 1417	14*17	220	190	170
152 - 1618	16*18	240	230	205
152 - 1719	17*19	250	240	215
152 - 1819	18*19	268	295	270
152 - 1922	19*22	280	322	295
152 - 2022	20*22	292	365	330
152 - 2123	21*23	298	393	360
152 - 2224	22*24	310	450	415
152 - 2326	23*26	325	465	435
152 - 2427	24*27	340	520	476
152 - 2528	25*28	346	580	530
152 - 2730	27*30	360	705	645
152 - 3032	30*32	380	805	736
152 - 3234	32*34	398	890	800
152 - 3436	34*36	418	1070	960
152 - 3638	36*38	434	1200	1080
152 - 3641	36*41	450	1560	1400
152 - 4146	41*46	470	1840	1650
152 - 4650	46*50	490	2530	2314
152 - 5055	50*55	510	2580	2360

No.152A Wrench, Double Box Offset



- QB/T2613.5 Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

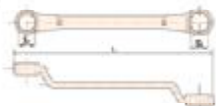


Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
152A - 0607	6*7	90	45	40
152A - 0709	7*9	90	55	50
152A - 0810	8*10	100	80	70
152A - 0911	9*11	100	90	80
152A - 1012	10*12	110	125	110
152A - 1214	12*14	125	160	140
152A - 1417	14*17	140	230	200
152A - 1719	17*19	170	310	270
152A - 1922	19*22	185	420	370
152A - 1924	19*24	185	450	400
152A - 2123	21*23	185	490	430
152A - 2126	21*26	185	500	435
152A - 2224	22*24	210	670	600
152A - 2326	23*26	210	670	600
152A - 2427	24*27	225	720	640
152A - 2430	24*30	225	740	650
152A - 2528	25*28	225	750	670
152A - 2730	27*30	250	870	780
152A - 3032	30*32	275	1100	980

No.153 Wrench, Double Box Offset



- QB/T2613.5 Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

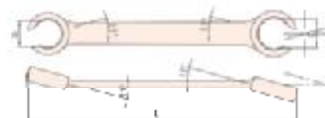


Number	S1*S2 inch	L mm	Be - Cu g	Al - Cu g
153-1002	1/4*5/16	115	30	27
153-1004	5/16*3/8	125	45	40
153-1006	3/8*7/16	140	60	55
153-1008	7/16*1/2	155	90	80
153-1010	1/2*9/16	175	115	105
153-1012	9/16*5/8	215	190	170
153-1014	5/8*11/16	220	205	190
153-1016	11/16*3/4	245	235	215
153-1018	3/4*13/16	255	295	270
153-1020	13/16*7/8	275	350	320
153-1022	7/8*15/16	305	405	370
153-1024	15/16*1	310	490	375
153-1026	1*1-1/16	330	535	490
153-1028	1-1/16*1-1/8	330	570	520
153-1030	1-1/8*1-3/16	370	830	760
153-1032	1-3/16*1-1/4	370	835	765
153-1034	1-1/4*1-5/16	380	1020	935
153-1036	1-5/16*1-3/8	410	1050	960
153-1038	1-3/8*1-7/16	410	1425	1310
153-1040	1-7/16*1-5/8	450	1585	1450
153-1042	1-1/2*1-9/16	460	1803	1640
153-1044	1-5/8*1-13/16	470	2077	1905
153-1046	1-13/16*2	490	2530	2315
153-1048	2*2-3/16	510	2580	2360
153-1050	2*2-3/8	520	3002	2745
153-1052	2-3/16*2-3/8	530	3203	2905
153-1054	2-3/8*2-3/4	560	4105	3605

No.153B Flare Nut Open Ring Wrenches



- DIN3118 Die forged
- It is used for gripping the nuts on the ends of tubes. Similar to a box-end wrench but, instead of encircling the nut completely, it has a narrow opening just wide enough to allow the wrench to fit over the tube, and thick jaws to increase the contact area with the nut.



Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
153B-0607	6*7	95	17	15
153B-0810	8*10	115	32	29
153B-0911	9*11	125	37	34
153B-1012	10*12	140	55	48
153B-1214	12*14	145	70	62
153B-1415	14*15	155	90	80
153B-1417	14*17	165	100	90
153B-1618	16*18	170	127	115
153B-1719	17*19	185	132	120
153B-1922	19*22	200	180	165
153B-2224	22*24	220	240	215
153B-2427	24*27	255	320	288
153B-2430	24*30	270	375	340
153B-2528	25*28	265	380	345
153B-2730	27*30	280	430	389
153B-3032	30*32	295	498	450
153B-3034	30*34	310	588	535
153B-3036	30*36	330	657	595
153B-3436	34*36	345	758	685
153B-3641	36*41	365	935	845

No.153A Wrench, Double Flat Box



- DIN837 Die forged
- used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.



Number	S1*S2 mm	L mm	Be - Cu g	Al - Cu g
153A-0810	8*10	115	32	29
153A-0911	9*11	125	37	34
153A-1012	10*12	140	55	48
153A-1214	12*14	145	70	62
153A-1417	14*17	165	100	90
153A-1719	17*19	185	132	120
153A-1922	19*22	200	180	165
153A-2224	22*24	220	240	215
153A-2427	24*27	255	320	280
153A-2730	27*30	280	385	340
153A-3032	30*32	295	465	415
153A-3036	30*36	330	600	545
153A-3641	36*41	365	935	845

No.154 Wrench, Construction



- DIN837 Die forged
- Used to tighten or loosen bolts and nuts.
- Sharp tail.



Number	S mm	L mm	Be - Cu g	Al - Cu g
154 - 10	10	230	90	85
154 - 12	12	250	110	105
154 - 14	14	270	145	130
154 - 17	17	310	200	180
154 - 19	19	330	250	225
154 - 22	22	350	320	290
154 - 24	24	370	400	360
154 - 27	27	400	500	450
154 - 30	30	430	700	630
154 - 32	32	430	660	600
154 - 36	36	460	900	800
154 - 41	41	490	1090	990
154 - 46	46	520	1560	1420
154 - 50	50	540	1700	1550
154 - 55	55	560	2050	1850
154 - 60	60	610	2820	2550

No.155 Wrench, Construction



- Q/ZBF-155 Precision Casting
- Used to tighten or loosen bolts and nuts.
- Sharp tail.



Number	S mm	L mm	Be - Cu g	Al - Cu g
155 - 8	8	140	60	55
155 - 10	10	150	70	64
155 - 11	11	160	80	73
155 - 12	12	170	90	83
155 - 13	13	180	102	91
155 - 14	14	190	115	102
155 - 15	15	200	125	110
155 - 16	16	210	130	122
155 - 17	17	220	165	145
155 - 18	18	230	180	165
155 - 19	19	240	230	195
155 - 20	20	250	242	220
155 - 21	21	260	251	230
155 - 22	22	270	303	274
155 - 23	23	280	330	302
155 - 24	24	290	361	330
155 - 27	27	320	472	430
155 - 30	30	350	650	585
155 - 32	32	370	680	620
155 - 34	34	380	803	730
155 - 36	36	390	950	850
155 - 38	38	400	1005	880
155 - 41	41	410	1430	1025
155 - 46	46	420	1460	1310
155 - 50	50	430	1580	1420
155 - 55	55	440	1870	1690
155 - 60	60	460	2330	2095
155 - 65	65	480	2802	2535
155 - 70	70	500	3150	2845

No.156 Wrench, Single Box



- QB/T2613.5 Die forged
- Used to tighten or loosen bolts and nuts

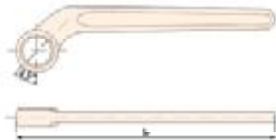


Number	S mm	L mm	Be - Cu g	Al - Cu g
156 - 8	8	110	40	35
156 - 10	10	120	50	45
156 - 12	12	130	65	60
156 - 14	14	140	90	80
156 - 17	17	155	105	90
156 - 19	19	170	130	95
156 - 22	22	190	175	150
156 - 24	24	215	220	200
156 - 27	27	230	270	245
156 - 30	30	255	370	335
156 - 32	32	265	425	385
156 - 36	36	295	550	500
156 - 41	41	330	825	750
156 - 46	46	365	1120	1010
156 - 50	50	400	1270	1150
156 - 55	55	445	1590	1440
156 - 60	60	474	1850	1680
156 - 65	65	510	2060	1875
156 - 70	70	555	2530	2300
156 - 75	75	590	2700	2450

No.157 Wrench, Single Bent Box



- JIS Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of straight single box wrench.



Number	S mm	L mm	Be - Cu g	Al - Cu g
157 - 10	10	119	60	50
157 - 12	12	151	85	75
157 - 14	14	151	85	75
157 - 16	16	174	150	130
157 - 17	17	174	160	145
157 - 19	19	207	195	190
157 - 22	22	207	205	180
157 - 24	24	250	330	295
157 - 27	27	250	315	275
157 - 30	30	295	480	430
157 - 32	32	295	455	410
157 - 34	34	307	650	580
157 - 36	36	307	650	580
157 - 38	38	340	830	740
157 - 41	41	340	810	720
157 - 46	46	370	1230	1100
157 - 50	50	400	1400	1255
157 - 55	55	430	1930	1720
157 - 60	60	450	2100	1900
157 - 65	65	470	2360	2135
157 - 70	70	490	3080	2800
157 - 75	75	510	3600	3250
157 - 80	80	530	4460	4030

No.158 Wrench, Single Box Offset



- QB/T2613.5 Precision Casting
- Used to tighten or loosen bolts and nuts.



Number	S mm	L mm	Be - Cu g	Al - Cu g
158 - 17	17	150	135	122
158 - 19	19	170	175	150
158 - 21	21	183	220	190
158 - 22	22	190	230	202
158 - 24	24	210	302	250
158 - 27	27	230	380	330
158 - 30	30	250	505	430
158 - 32	32	270	620	540
158 - 36	36	290	805	710

No.159 Wrench, Single Box Convex



- DIN3111 Precision Casting
- Used to tighten or loosen bolts and nuts, the convex head are suitable for use where space is deep concavity.

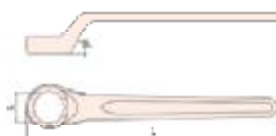


Number	S mm	L mm	Be - Cu g	Al - Cu g
159 - 10	10	110	75	65
159 - 12	12	120	115	102
159 - 14	14	130	135	120
159 - 17	17	150	145	130
159 - 19	19	170	185	160
159 - 22	22	190	240	215
159 - 24	24	210	320	290
159 - 27	27	230	401	370
159 - 30	30	250	520	475
159 - 32	32	270	650	595
159 - 34	34	280	780	715
159 - 36	36	290	802	730

No.159A Wrench, Single Box Offset



- QB/T2613.5 Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited or deep concavity.



Number	S mm	L mm	Be - Cu g	Al - Cu g
159A - 22	22	190	185	165
159A - 24	24	215	235	210
159A - 27	27	230	310	270
159A - 30	30	255	430	380
159A - 32	32	265	450	400
159A - 36	36	295	610	540
159A - 41	41	330	855	770
159A - 46	46	365	1000	900
159A - 50	50	400	1350	1200
159A - 55	55	445	2000	1800
159A - 60	60	474	2260	2050
159A - 65	65	510	2800	2500
159A - 70	70	555	3250	2900
159A - 75	75	590	3450	3090



No.160 Wrench, Striking Box



- DIN7444 Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer.

Number	S mm	L mm	Be - Cu g	Al - Cu g
160 - 17	17	145	210	190
160 - 19	19	145	200	180
160 - 22	22	155	245	220
160 - 24	24	165	235	210
160 - 27	27	175	350	315
160 - 30	30	185	475	430
160 - 32	32	185	465	420
160 - 34	34	200	540	490
160 - 36	36	205	580	520
160 - 38	38	215	680	620
160 - 41	41	225	755	680
160 - 46	46	235	990	890
160 - 50	50	250	1145	1030
160 - 55	55	265	1440	1300
160 - 60	60	274	1620	1450
160 - 65	65	298	1995	1800
160 - 70	70	320	2435	2200
160 - 75	75	326	3010	2720
160 - 80	80	350	3600	3250
160 - 85	85	355	4330	3915
160 - 90	90	380	5200	4700
160 - 95	95	390	5450	4920
160 - 100	100	410	6750	6100
160 - 105	105	420	7000	6320
160 - 110	110	445	9130	8250
160 - 120	120	480	11000	9930
160 - 130	130	510	12610	11400
160 - 140	140	520	13000	11750
160 - 150	150	565	14500	13100

No.160B Safety Handrail for Striking Wrench



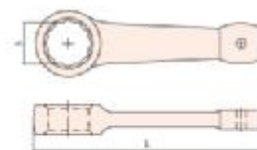
- Matched with striking wrench to tighten or loosen the bolts and nuts in special space. It is safety & reliable.

Number mm	Φ mm	L mm	Copper g	Brass g
160B - 02	30	500	1000	950

No.160A Wrench, Striking Box



- Q/ZBF-160A Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer.

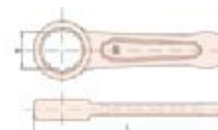


Number	S mm	L mm	Be - Cu g	Al - Cu g
160A - 17	17	108	105	95
160A - 19	19	117	135	125
160A - 22	22	127	192	185
160A - 24	24	138	270	250
160A - 27	27	150	350	320
160A - 30	30	163	460	420
160A - 32	32	177	610	555
160A - 34	34	192	690	630
160A - 36	36	208	780	710
160A - 38	38	215	875	805
160A - 41	41	225	985	902
160A - 46	46	243	1275	1160
160A - 50	50	254	1545	1410
160A - 55	55	264	1720	1560
160A - 60	60	275	2080	1880
160A - 65	65	286	2440	2202
160A - 70	70	298	2735	2470
160A - 75	75	311	3190	2905
160A - 80	80	325	3485	3160
160A - 85	85	339	3990	3650
160A - 90	90	355	4350	3960
160A - 95	95	370	5046	4560
160A - 100	100	387	5630	5125
160A - 105	105	405	6250	5690
160A - 110	110	410	6750	6100
160A - 120	120	425	7405	6735
160A - 130	130	450	7905	7205
160A - 140	140	465	8105	7405

No.161 Wrench, Striking Box

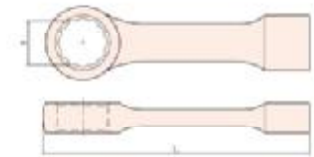


- DIN7444 Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer.



Number	S inch	L mm	Be - Cu g	Al - Cu g
161 - 1002	11/16	145	210	190
161 - 1004	3/4	145	200	180
161 - 1006	7/8	155	245	220
161 - 1008	1	175	350	315
161 - 1010	1 - 1/16	175	350	315
161 - 1012	1 - 1/8	185	455	410
161 - 1014	1 - 3/16	185	475	430
161 - 1016	1 - 1/4	185	470	425
161 - 1018	1 - 3/8	200	560	500
161 - 1020	1 - 1/2	215	790	710
161 - 1022	1 - 5/8	225	755	680
161 - 1024	1 - 3/4	235	1020	920
161 - 1026	1 - 13/16	235	990	890
161 - 1028	2	250	1145	1030

No.162 Wrench, Striking Box



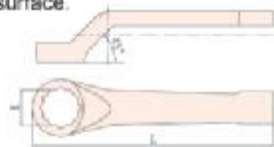
- Q/ZBF-162 Precision Casting
- This is a specialized thick, stocky wrench with a block end to the handle specifically designed for use with a hammer, enabling one to impart great force.

Number	S mm	L mm	Be - Cu g	Al - Cu g
162 - 32	32	180	790	710
162 - 36	36	190	990	900
162 - 41	41	200	1450	1300
162 - 46	46	210	1770	1600
162 - 50	50	230	1930	1730
162 - 55	55	260	3400	3060
162 - 60	60	290	4200	3800
162 - 65	65	320	5430	4900
162 - 70	70	350	6480	5850
162 - 75	75	380	7890	7130
162 - 80	80	410	10350	9350

No.162A Wrench, Offset Striking Box



- Q/ZBF-162A Precision Casting
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

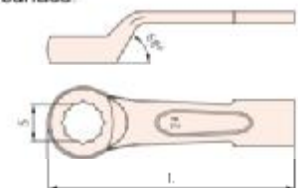


Number	S mm	L mm	Be - Cu g	Al - Cu g
162A - 27	27	245	670	600
162A - 30	30	270	970	870
162A - 32	32	270	970	870
162A - 36	36	280	1060	950
162A - 41	41	305	1430	1280
162A - 46	46	310	1830	1640
162A - 50	50	320	2100	1890
162A - 55	55	320	2350	2110
162A - 60	60	355	2900	2610
162A - 65	65	380	3470	3120
162A - 70	70	400	4050	3640
162A - 75	75	420	4350	4180
162A - 80	80	435	5500	4950
162A - 85	85	440	6500	5850
162A - 90	90	445	6820	6320
162A - 95	95	450	7880	7000
162A - 100	100	455	7900	7130
162A - 110	110	460	8400	7590
162A - 120	120	470	8900	8040

No.162B Wrench, Offset Striking Box



- Q/ZBF-162B Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.



Number	S mm	L mm	Be - Cu g	Al - Cu g
162B - 24	24	160	370	335
162B - 27	27	180	475	430
162B - 30	30	200	615	555
162B - 32	32	200	615	555
162B - 36	36	220	825	745
162B - 41	41	240	950	860
162B - 46	46	250	1330	1200
162B - 50	50	270	1650	1450
162B - 55	55	295	2000	1800
162B - 60	60	317	2430	2200
162B - 65	65	330	2750	2490
162B - 70	70	350	3385	3060
162B - 75	75	370	4655	4205
162B - 80	80	385	5020	4540

No.163 Wrench, Striking Convex Box



- Q/ZBF-163 Die forged
- Used to tighten or loosen large bolts and nuts.
- The convex head are suitable for use where space is deep concavity.

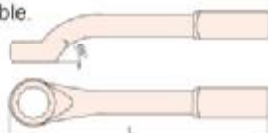


Number	S m m	L m m	Be - Cu g	Al - Cu g
163 - 22	22	165	230	210
163 - 24	24	165	220	300
163 - 27	27	175	370	335
163 - 30	30	185	530	480
163 - 32	32	185	475	430
163 - 36	36	210	740	670
163 - 41	41	227	950	860
163 - 46	46	245	1270	1145
163 - 50	50	257	1590	1435
163 - 55	55	267	1800	1625
163 - 60	60	278	2115	1910
163 - 65	65	298	2580	2340
163 - 70	70	320	2960	2680
163 - 75	75	326	3350	3000

No.163A Offset Slogging Box Wrench (American Type)



- Q/ZBF-163A Die forged
- Used to tighten or loosen large bolts and nuts.
- American type, more durable.

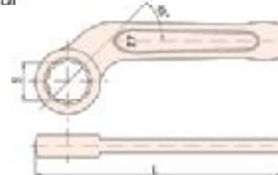


Number	S m m	L m m	Be - Cu g	Al - Cu g
163A - 24	24	240	950	860
163A - 27	27	270	1150	1035
163A - 30	30	280	1480	1340
163A - 32	32	290	1690	1530
163A - 36	36	300	1900	1720
163A - 41	41	320	2110	1910
163A - 46	46	340	2750	2485
163A - 50	50	350	3170	2870
163A - 55	55	360	4125	3730
163A - 60	60	375	4335	3920
163A - 65	65	390	4440	4010
163A - 70	70	400	5400	4875
163A - 75	75	420	5810	5255
163A - 80	80	440	7295	6600
163A - 90	90	480	9740	8800
163A - 100	100	515	11300	10200
163A - 110	110	550	13400	12100
163A - 120	120	585	15500	14000
163A - 130	130	620	17700	16000

No.164 Wrench, Striking Box Bent



- Q/ZBF-164 Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

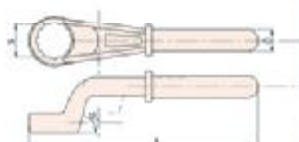


Number	S m m	L m m	Be - Cu g	Al - Cu g
164 - 24	24	160	280	240
164 - 27	27	175	370	335
164 - 30	30	190	525	475
164 - 32	32	190	500	450
164 - 36	36	210	630	570
164 - 41	41	225	750	650
164 - 46	46	240	1160	1030
164 - 50	50	255	1240	1100
164 - 55	55	270	1450	1285
164 - 60	60	285	1820	1640
164 - 65	65	300	2645	2390
164 - 70	70	320	2960	2675

No.164A Ring Wrench For Extension



- Q/ZBF-164A Die forged
- Matched with extra long extension bar, save effort.



Number	S mm	L mm	Be - Cu g	Al - Cu g
164A - 24	24	180	475	430
164A - 27	27	190	530	480
164A - 30	30	200	580	525
164A - 32	32	235	795	715
164A - 36	36	245	900	815
164A - 41	41	265	1060	955
164A - 46	46	280	1480	1340
164A - 50	50	290	1690	1530
164A - 55	55	300	1850	1670
164A - 60	60	345	2960	2670
164A - 65	65	355	3380	3055
164A - 70	70	365	3910	3530
164A - 75	75	375	4335	3920
164A - 80	80	385	5180	4680

Extension For No.164A



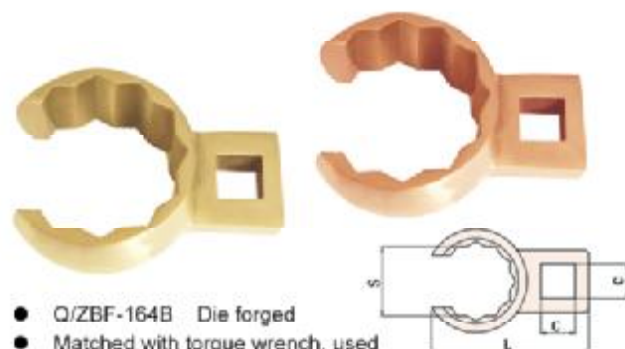
Number mm	Φ mm	L mm	Be - Cu g	Al - Cu g
24 - 30	19	460	940	850
32 - 41	22	610	1640	1480
46 - 55	25	760	2480	2240
60 - 80	30	860	3890	3515

Extension For No.164A

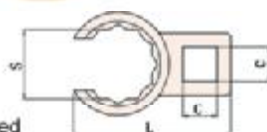


Number mm	Φ mm	L mm	Copper g	Brass g
24 - 30	19	460	880	830
32 - 41	22	610	1280	1210
46 - 55	25	760	2125	2005
60 - 80	30	860	3265	3080

No.164B Crow Foot Box End



- Q/ZBF-164B Die forged
- Matched with torque wrench, used to perform protection when tighten or loosen special bolts and nuts.

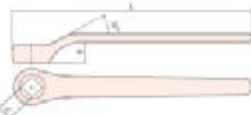


Number	C inch	S inch	L mm	Be - Cu g	Al - Cu g
164B - 1002	3/8	7/16	29	35	30
164B - 1004		1/2	31	40	35
164B - 1006		9/16	33	45	40
164B - 1008		5/8	38	50	45
164B - 1010		11/16	41	55	50
164B - 1012		3/4	43	55	50
164B - 1014	1/2	7/8	48	80	70
164B - 1016		1	52	85	75
164B - 1018		1-1/16	54	90	80
164B - 1020		1-1/8	56	100	90
164B - 1022		1-1/4	62	145	130
164B - 1024		1-5/16	66	170	150
164B - 1026		1-1/2	72	190	170
164B - 1028		1-5/8	76	210	180
164B - 1030		2	89	230	200

No.165 Valve Square Driver



- Q/ZBF-165 Precision Casting
- Used to open and close square valves.

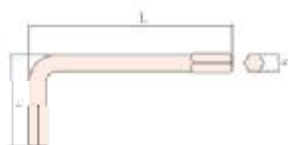


Number	C mm	L mm	H mm	Be - Cu g	Al - Cu g
165-6	6	110	9	65	55
165-8	8	120	10	75	61
165-9	9	140	11	90	75
165-10	10	140	12	105	85
165-11	11	160	13	130	102
165-12	12	190	14	180	145
165-13	13	200	15	185	151
165-14	14	250	16	300	261
165-16	16	250	18	335	285
165-17	17	300	19	420	366
165-19	19	350	20	740	662
165-22	22	400	22	1000	896

No.167 Wrench, Hex Key



- ISO 2936 Die forged
- To fasten or remove socket screws.

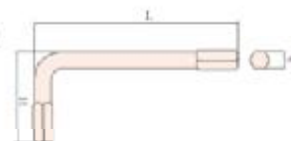


Number	S inch	L mm	H mm	Be - Cu g	Al - Cu g
167-1002	1/16	38	13	6	5
167-1004	5/64	38	13	6	5
167-1006	3/32	38	13	6	5
167-1008	7/64	58	24	8	5
167-1010	1/8	58	24	8	6
167-1012	9/64	64	29	8	7
167-1014	5/32	65	30	10	9
167-1016	3/16	79	31	15	14
167-1018	7/32	85	37	20	18
167-1020	1/4	85	37	30	27
167-1022	9/32	88	43	45	40
167-1024	5/16	92	44	48	44
167-1026	11/32	97	44	50	45
167-1028	3/8	110	45	85	80

No.166 Wrench, Hex Key



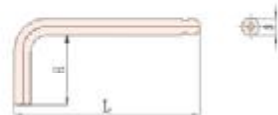
- ISO 2936 Die forged
- To fasten or remove socket screws.



Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
166-1.5	1.5	38	13	6	5
166-2	2	38	13	6	5
166-2.5	2.5	38	13	6	5
166-3	3	59	25	8	7
166-4	4	65	30	10	8
166-5	5	79	32	16	12
166-6	6	85	37	25	20
166-7	7	88	43	34	30
166-8	8	92	44	50	45
166-9	9	97	44	61	55
166-10	10	110	45	82	70
166-11	11	119	48	100	90
166-12	12	130	52	145	130
166-13	13	140	54	180	160
166-14	14	150	58	211	191
166-15	15	156	60	260	230
166-16	16	162	63	300	270
166-17	17	168	65	370	335
166-18	18	173	69	450	402
166-19	19	177	72	490	445
166-21	21	184	74	652	595
166-22	22	186	77	675	615
166-24	24	192	82	825	755
166-25	25	200	84	925	840
166-26	26	206	90	1025	940
166-27	27	213	93	1220	1115
166-28	28	222	95	1350	1235
166-30	30	240	105	1615	1475
166-32	32	266	116	2065	1885
166-36	36	294	128	2905	2650
166-41	41	320	140	4120	3760

Number	S inch	L mm	H mm	Be - Cu g	Al - Cu g
167-1030	7/16	119	48	110	100
167-1032	1/2	140	55	170	155
167-1034	9/16	150	58	195	180
167-1036	5/8	162	63	270	245
167-1038	11/16	168	65	355	325
167-1040	3/4	178	73	450	415
167-1042	13/16	184	77	565	520
167-1044	7/8	187	79	650	595
167-1046	15/16	192	82	825	755
167-1048	1	200	85	925	840
167-1050	1-1/16	213	93	1220	1115

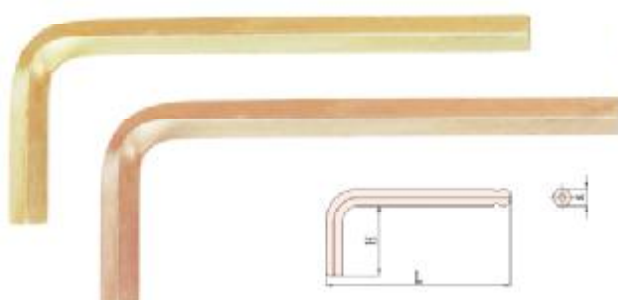
No.167A Wrench, Hex Key With Ball



- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
167A - 2	2	50	16	3	2
167A - 3	3	63	20	5	4
167A - 4	4	70	25	12	11
167A - 5	5	80	28	22	20
167A - 6	6	90	32	30	27
167A - 7	7	95	34	50	45
167A - 8	8	100	36	56	51
167A - 9	9	106	38	85	76
167A - 10	10	112	40	100	90
167A - 11	11	118	42	140	125
167A - 12	12	125	45	175	160

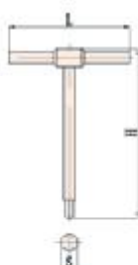
No.167B Wrench, Hex Key



- ISO 2936
- Used to fasten or remove socket screws

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
167B - 2	2	50	16	3	2
167B - 3	3	63	20	5	4
167B - 4	4	70	25	12	11
167B - 5	5	80	28	22	20
167B - 6	6	90	32	30	27
167B - 7	7	95	34	50	45
167B - 8	8	100	36	56	50
167B - 9	9	106	38	85	77
167B - 10	10	112	40	100	90
167B - 11	11	118	42	140	126
167B - 12	12	125	45	162	145

No.167C Wrench, T Type Hex Key



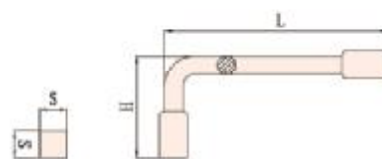
- Q/ZBF-167C
- Used to fasten or remove socket screws.

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
167C - 2	2	90	100	55	50
167C - 3	3	90	100	55	50
167C - 4	4	90	100	75	70
167C - 5	5	90	100	85	75
167C - 6	6	90	100	100	90
167C - 8	8	90	100	100	90
167C - 10	10	90	100	150	135

No.167D Wrench, Square Key



- Q/ZBF-167D Die forged
- Used to fasten or remove square socket screws.

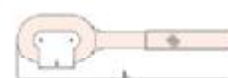


Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
167D - 8	8	92	44	55	50
167D - 9	9	97	44	65	60
167D - 10	10	110	45	90	80
167D - 11	11	119	48	110	100
167D - 12	12	130	52	155	140
167D - 13	13	140	54	185	170
167D - 14	14	150	58	220	200
167D - 15	15	156	60	280	250
167D - 16	16	162	63	320	290
167D - 17	17	168	65	395	355
167D - 18	18	173	69	465	420
167D - 19	19	177	72	520	470

No.168 Valve Wrench, © Type



- Q/ZBF-168 Die forged
- Facilitate fitting and removal of radiator valves.



Number	L mm	S mm	Be - Cu g	Al - Cu g
168 - 1002	450	40	1205	1102

No.169 Valve Wrench, © Type



- Q/ZBF-169 Die forged
- Facilitate fitting and removal of radiator valves.



Number	L mm	S1 mm	S2 mm	Be - Cu g	Al - Cu g
169 - 1002	200	14.5	18.5	370	335
169 - 1004	250	17.5	25.5	635	575
169 - 1006	450	25.5	34	2385	2160

No.170 Valve Wrench, © Type



- Q/ZBF-170 Die forged
- Facilitate fitting and removal of radiator valves.

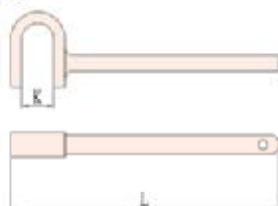


Number	L mm	Φ mm	H mm	Be - Cu g	Al - Cu g
170 - 1002	600	32	32	4500	4115

No.170A Valve Spanner (U Type)



- Q/ZBF-170A Precision Casting
- Tighten or loosen bolts valves.

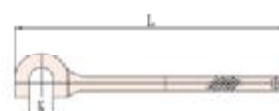


Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
170A - 1002	234	20	260	235
170A - 1004	280	30	820	740
170A - 1006	335	35	980	885
170A - 1008	400	35	1640	1480

No.170B Valve Spanner (U Type)



- Q/ZBF-170B Precision Casting
- Tighten or loosen bolts valves.

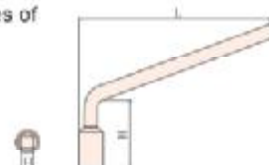


Number	L mm	K _{max} mm	Be - Cu g	Al - Cu g
170B - 1002	226	20	370	335

No.171 Oxygen Bottle Wrench



- Q/ZBF-171 Die forged
- Used to open or close valves of the oxygen bottle.



Number	C inch	L mm	H mm	Be - Cu g	Al - Cu g
171 - 1002	3/8	154	58	185	170

No.172 Wrench, T-type Sliding Hex



- Q/ZBF-172 Die forged
- Fasten or remove socket head cap screws in deep concavity space, or matched with socket.

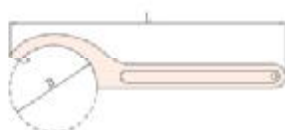


Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
172 - 10	10	150	110	270	245
172 - 12	12	170	130	290	265
172 - 14	14	170	140	400	365
172 - 17	17	190	150	465	423
172 - 19	19	220	160	615	563
172 - 22	22	240	170	660	605
172 - 24	24	260	180	935	855
172 - 27	27	260	190	1000	915
172 - 30	30	280	200	1306	1195
172 - 32	32	280	210	1505	1375
172 - 36	36	300	216	1802	1645
172 - 41	41	300	226	2075	1895

No.173 Wrench, Hook

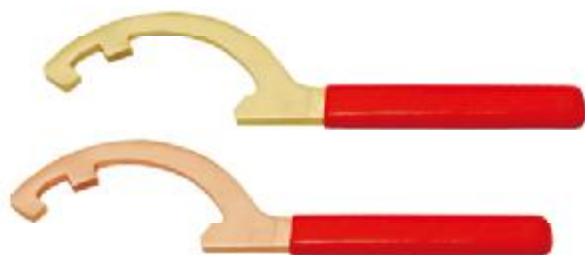


- DIN 1810 Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.



Number	D mm	L mm	Be - Cu g	Al - Cu g
173 - 1002	30 - 32	140	63	50
173 - 1004	34 - 36	170	95	85
173 - 1006	40 - 42	176	105	95
173 - 1008	45 - 50	209	160	145
173 - 1010	52 - 55	212	170	150
173 - 1012	58 - 62	144	225	200
173 - 1014	68 - 75	250	265	240
173 - 1016	80 - 90	284	375	335
173 - 1018	95 - 100	288	415	370
173 - 1020	110 - 115	337	770	690
173 - 1022	120 - 130	343	770	690
173 - 1024	135 - 145	388	1110	1000

No.173A Wrench, Hook



- Q/ZBF-173A Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.

Number	D mm	L mm	Be - Cu g	Al - Cu g
173A - 1002	118	280	350	310

No.173B Wrench, Adjustable Hook



- Q/ZBF-173B Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.



Number	D mm	L mm	Be - Cu g	Al - Cu g
173B - 1002	19 - 50	162	120	110
173B - 1004	32 - 75	205	260	235
173B - 1006	50 - 120	288	515	460
173B - 1006	115 - 170	310	670	600

No.173C Hook Wrench With Pin



- Q/ZBF-173C Die forged
- For nuts with radial holes.

Number	D mm	L mm	Be - Cu g	Al - Cu g
173C - 1002	30 - 32	140	63	50
173C - 1004	34 - 36	170	95	85
173C - 1006	40 - 42	176	105	95
173C - 1008	45 - 50	209	160	145
173C - 1010	52 - 55	212	170	150
173C - 1012	58 - 62	244	225	200
173C - 1014	68 - 75	250	265	240
173C - 1016	80 - 90	284	375	335
173C - 1018	95 - 100	288	415	370
173C - 1020	110 - 115	337	770	690



No.174 Valve Handle



- QB/T2613.9 Precision Casting
- Tighten or loosen bolts valves, F type, widely used.

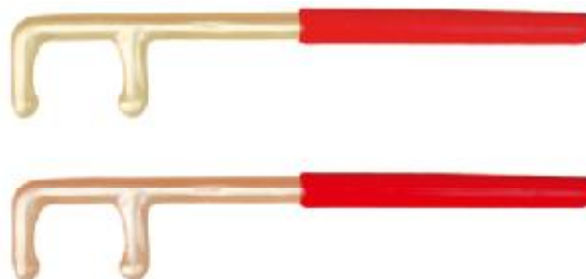
Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
174 - 30	30	200	44	405	340
174 - 35	35	250	49	465	410
174 - 40	40	300	50	595	540
174 - 45	45	350	61	835	762
174 - 48	48	375	62	865	790
174 - 50	50	400	67	892	815
174 - 55	55	450	73	1270	1110
174 - 60	60	500	79	1570	1435
174 - 65	65	550	80	1920	1755
174 - 70	70	600	80	1945	1775
174 - 75	75	650	85	2245	2055
174 - 80	80	700	91	2405	2190
174 - 85	85	750	97	3050	2770
174 - 90	90	800	103	3360	3060
174 - 93	93	850	107	3553	3250
174 - 96	96	900	110	3870	3515
174 - 100	100	1000	114	4170	3795
174 - 103	103	1200	120	6330	5765

No.174B Valve Handle

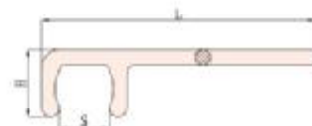


- QB/T2613.9 Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.

No.174A Valve Handle



- QB/T2613.9 Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.



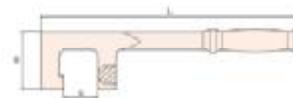
Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
174A - 30	30	200	46	265	240
174A - 35	35	250	52	375	340
174A - 40	40	300	54	450	400
174A - 45	45	350	60	585	530
174A - 50	50	400	68	740	670
174A - 55	55	450	74	830	750
174A - 60	60	500	80	1200	1100
174A - 65	65	550	83	1280	1160
174A - 70	70	600	88	1380	1250
174A - 75	75	650	93.5	1650	1500
174A - 80	80	700	99.5	1870	1700
174A - 85	85	750	100	2090	1900
174A - 90	90	800	107	2310	2100
174A - 95	95	900	112	2980	2700
174A - 100	100	1000	117	3330	3010

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
174B - 30	30	200	46	265	240
174B - 35	35	250	52	375	340
174B - 40	40	300	54	450	400
174B - 45	45	350	60	585	530
174B - 50	50	400	68	740	670
174B - 55	55	450	74	830	750
174B - 60	60	500	80	1200	1100
174B - 65	65	550	83	1280	1160
174B - 70	70	600	88	1380	1250
174B - 75	75	650	93.5	1650	1500
174B - 80	80	700	99.5	1870	1700
174B - 85	85	750	100	2090	1900
174B - 90	90	800	107	2310	2100
174B - 95	95	900	112	2980	2700
174B - 100	100	1000	117	3330	3010

No.175 Valve Handle



- QB/T2613.9 Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.

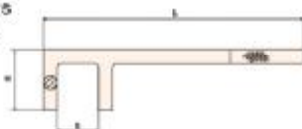


Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
175-22	22	200	50	390	345
175-28	28	250	53	550	475
175-34	34	300	56	722	615
175-39	39	350	60	905	780
175-44	44	400	64	1050	910
175-48	48	450	69	1260	1130
175-53	53	500	74	1405	1250
175-58	58	550	79	1890	1720
175-63	63	600	84	2220	2005

No.176 Valve Handle



- QB/T2613.9 Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.



Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
176-30	30	200	44	280	250
176-32	32	300	50	540	490
176-35	35	250	47	364	325
176-40	40	300	50	470	422
176-45	45	350	58	610	540
176-48	48	375	62	660	595
176-50	50	400	67	705	615
176-55	55	450	73	960	870
176-60	60	500	79	1205	1105
176-65	65	550	82	1370	1250
176-70	70	600	85	1540	1360
176-75	75	650	88	1705	1540
176-80	80	700	91	1910	1650
176-85	85	750	97	2250	2015
176-90	90	800	103	2380	2130

No.176A Valve Spanner



- Q/ZBF-176A Precision Casting
- Used to provide leverage on hand-operated valve wheels.

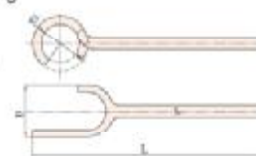


Number	K mm	L mm	Be - Cu g	Al - Cu g
176A - 1002	40	355	915	825

No.176B Valve Spanner



- Q/ZBF-176B Precision Casting
- Used to provide leverage on hand-operated valve wheels.

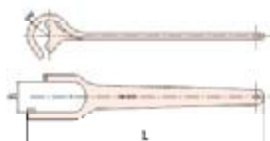


Number	B mm	Φ mm	L mm	Be - Cu g	Al - Cu g
176B-1002	60	36	370	730	650
176B-1004	80	48	430	1520	1350
176B-1006	102	62	550	2250	2000

No.176C Valve Spanner

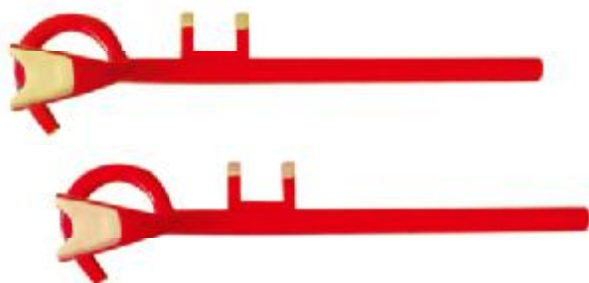


- Q/ZBF-176C Precision Casting
- Used to provide leverage on hand-operated valve wheels.

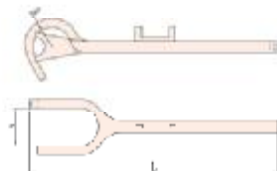


Number	B mm	R mm	L mm	Be - Cu g	Al - Cu g
176C - 1002	30	15	250	415	375
176C - 1004	40	20	300	540	485
176C - 1006	50	25	400	1050	950
176C - 1008	60	30	550	1800	1630
176C - 1010	130	65	750	4900	4430

No.176D Valve Spanner



- Q/ZBF-176D Precision Casting
- Used to provide leverage on hand-operated valve wheels.

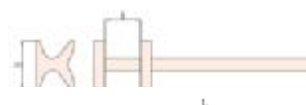


Number	B mm	R mm	L mm	Be - Cu g	Al - Cu g
176D - 1002	50	22.5	290	775	700
176D - 1004	60	35.5	430	1770	1580
176D - 1006	80	40	520	2770	2500
176D - 1008	90	45	660	4080	3660

No.176E Valve Spanner



- Q/ZBF-176E Precision Casting
- Used to provide leverage on hand-operated valve wheels.

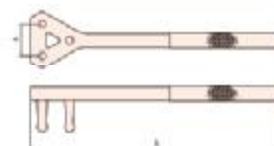


Number	S mm	H mm	L mm	Be - Cu g	Al - Cu g
176E - 1002	40	50	300	590	540
176E - 1004	55	74	450	1165	1050
176E - 1006	70	80	600	1950	1700
176E - 1008	90	100	800	2800	2600

No.176F Valve Spanner



- Q/ZBF-176F Precision Casting
- Used to provide leverage on hand-operated valve wheels.



Number	L mm	A mm	Be - Cu g	Al - Cu g
176F - 200	200	25	220	200
176F - 250	250	35	375	340
176F - 300	300	42	440	400
176F - 350	350	62	660	600
176F - 400	400	90	1030	940
176F - 450	450	110	1430	1300
176F - 500	500	165	2090	1900
176F - 550	550	225	2420	2200

No.177 Wrench, Bung



- QB/T2613.4 Precision Casting
- Commonly used to open bungs on large oil drums.



Number	L mm	H mm	Be - Cu g	Al - Cu g
177 - 1002	300	70	630	580

No.179 Wrench, Bung



- Q/ZBF-179 Precision Casting
- Commonly used to open bungs on large oil drums, American type, multiple uses.



Number	L mm	H ₁ mm	H ₂ mm	Be - Cu g	Al - Cu g
179 - 1002	385	93	61	1250	1150

No.178 Wrench, Bung



- QB/T2613.4 Precision Casting
- Commonly used to open bungs on large oil drums.



Number	L mm	H ₁ mm	H ₂ mm	Be - Cu g	Al - Cu g
178 - 1002	350	70	95	1165	1070

No.179A Wrench, Bung



- Q/ZBF-179A Precision Casting
- commonly used to open bungs on large oil drums, European, multiple uses.

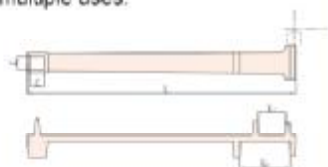


Number	L mm	S ₁ mm	S ₂ mm	Be - Cu g	Al - Cu g
179A - 1002	300	38	52	830	750

No.179B Wrench, Bung



- Q/ZBF-179B Precision Casting
- Commonly used to open bungs on large oil drums, Japanese type. multiple uses.

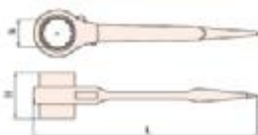


Number	L mm	C mm	K ₁ mm	K ₂ mm	Be - Cu g	Al - Cu g
179B - 1002	520	19	40	73	1120	1100

No.180 Ratchet Wrench



- Q/ZBF-180 Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.



Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
180 - 22	22	270	50	580	520
180 - 24	24	280	53	620	560
180 - 27	27	290	56	730	660
180 - 30	30	300	58	800	720
180 - 32	32	310	60	900	810
180 - 36	36	320	65	1000	900
180 - 38	38	320	65	1150	1030
180 - 41	41	330	70	1500	1350

No.179C Drum Opener



- Q/ZBF-179C Die forged
- Used for opening oil drum.

Number	Number	Be - Cu g	Al - Cu g
179C - 1002	NS - 200	3100	2800



No.180A Ratchet Wrench



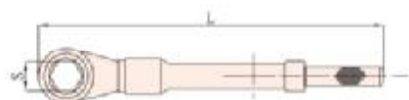
- Q/ZBF180A Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	Be - Cu g	Al - Cu g
180B - 22	22	400 - 650	1700	1550
180B - 24	24	450 - 700	2000	1820
180B - 27	27	500 - 750	2500	2280
180B - 30	30	535 - 800	3000	2730
180B - 32	32	535 - 800	3150	2870
180B - 36	36	580 - 880	3350	3000
180B - 41	41	600 - 900	3600	3280

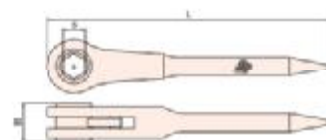
- Q/ZBF-180B Die forged
- Hex wrench with retractable handle. Save effort.
- This design can achieve expected result.

Number	S ₁ mm	S ₂ mm	L mm	Be - Cu g	Al - Cu g
180A - 1417	14	17	280	410	370
180A - 1719	17	19	310	450	410
180A - 1922	19	22	345	530	480
180A - 2224	22	24	365	680	620
180A - 2427	24	27	380	860	780
180A - 2730	27	30	400	990	900
180A - 3032	30	32	400	1025	930
180A - 3236	32	36	450	1450	1300
180A - 3641	36	41	495	1860	1690

No.180B Ratchet Wrench



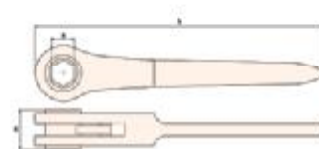
No.181 Ratchet Wrench



- Q/ZBF-181 Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
181 - 17	17	290	35	720	650
181 - 19	19	300	35	850	750
181 - 22	22	320	38	995	890
181 - 24	24	329	39	1230	1100
181 - 27	27	380	39	1500	1350
181 - 30	30	433	42	1900	1600
181 - 32	32	435	42	1935	1700
181 - 36	36	487	43	2580	2320

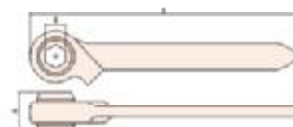
No.182 Ratchet Wrench



- Q/ZBF-181 Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
182 - 17	17	230	35	725	621
182 - 19	19	240	35	745	652
182 - 21	21	250	38	942	831
182 - 22	22	260	38	963	835
182 - 24	24	270	39	1175	1022
182 - 26	26	280	39	1221	1053
182 - 27	27	285	39	1253	1102
182 - 30	30	300	42	1532	1325
182 - 32	32	315	42	1622	1427
182 - 35	35	325	43	1821	1633
182 - 36	36	330	43	1829	1673
182 - 41	41	330	45	2129	1948

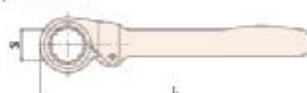
No.183 Ratchet Wrench



- Q/ZBF-183 Die forged
- Reversing the direction of operation in situ without detaching the sockets. Heavy duty

Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
183 - 17	17	250	35	710	650
183 - 19	19	250	42	896	820
183 - 21	21	250	42	1030	940
183 - 22	22	250	42	1105	1010
183 - 24	24	250	48	1345	1230
183 - 26	26	250	48	1365	1250
183 - 27	27	250	48	1580	1450
183 - 30	30	250	53	1795	1640
183 - 32	32	250	53	1990	1820
183 - 35	35	250	60	2010	1840
183 - 36	36	250	60	2225	2035

No.183A Ratchet Wrench



- Q/ZBF-183A Die forged
- Reversing the direction of operation in situ without detaching the sockets. European type

Number	S mm	L mm	Be - Cu g	Al - Cu g
183A - 9	9	150	125	110
183A - 11	11	150	125	110
183A - 13	13	155	160	140
183A - 14	14	155	160	140
183A - 17	17	200	260	230
183A - 19	19	200	260	230
183A - 22	22	220	340	300
183A - 24	24	220	340	300
183A - 27	27	245	560	500
183A - 30	30	280	840	750
183A - 32	32	280	840	750
183A - 36	36	290	1180	1050
183A - 41	41	295	1230	1100
183A - 46	46	360	2060	1850
183A - 50	50	360	2230	2000
183A - 55	55	440	2900	2600
183A - 60	60	440	2900	2600



C



Be—Cu

FINEST TECNOLOGY
WITH EXPERIENT PREPARATION



No.184 Hammer, Bricklayers'



- Q/ZBF-184 Precision Casting
- Used to striking the brick and tile.



Number	H g	L m m	 g
184 - 1002	600	305	750
184 - 1004	800	340	1000

No.185A Carpenter's Hammer



- Q/ZBF-185A Precision Casting
- Frequently used to strike or remove nails.



Number	H g	L m m	Be - Cu g	Al - Cu g
185A - 500	500	300	700	700
185A - 600	600	330	870	870

No.185 Hammer, Claw



- GB/T 1290.8 Precision Casting
- The claw hammer is frequently used to strike or remove nails.

Number	H g	L m m	 g
185 - 1002	230	280	405
185 - 1004	450	300	652
185 - 1006	680	330	953
185 - 1008	910	390	1205

No.186 Hammer, Cross Pein Engineers'



- DIN 1041 Precision Casting
- Applied in metal shaping and flanging.

Number	H g	L m m	 g
186 - 1002	500	310	655
186 - 1004	1000	340	1175
186 - 1006	1500	400	1850
186 - 1008	2000	450	2455
186 - 1010	3000	700	3700
186 - 1012	5000	900	6000

No.187 Hammer, Ball Pein



No.187A Hammer, Ball Pein



- QB/T 2613.7 Precision Casting
- Most common striking tools. Used in metal working.
- Hickory handle



Number	H g	L m m	 g
187 - 1002	230	280	403
187 - 1004	340	280	502
187 - 1006	450	310	680
187 - 1008	680	340	950
187 - 1010	910	350	1205
187 - 1012	1130	400	1470

No.188 Hammer, Cutoff



- Q/ZBF-188 Precision Casting
- Applied in metal shaping and flanging.



Number	H g	L m m	 g
188 - 1002	300	280	420
188 - 1004	450	310	650
188 - 1006	600	340	900

No.189 Hammer, Pein



- Q/ZBF-189 Precision Casting
- Applied in metal shaping and flanging.



Number	H g	L m m	 g
189 - 1002	250	330	461
189 - 1004	300	330	570

No.189A Hammer, Cutoff(Japan Type)

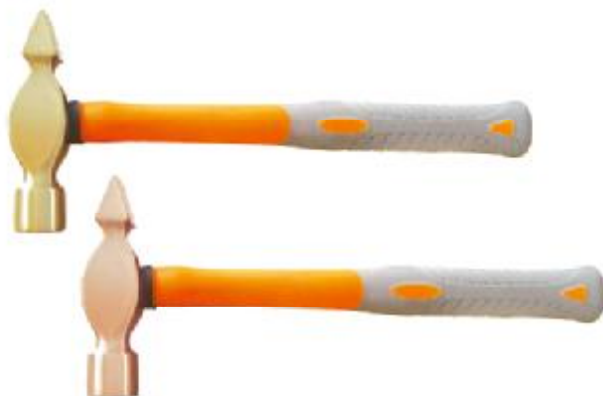


- Q/ZBF-189A Die forged
- Applied in metal shaping and flanging.
- Hickory handle.



Number	H g	L m m	 g
189A - 1002	230	280	420
189A - 1004	380	450	500

No.189B Hammer, Engineer' s Cross Pein



- QB/T 1290.4 Precision Casting
- Applied in metal shaping and flanging.



Number	H g	L m m	 g
189B - 1002	500	310	650
189B - 1004	900	350	1100

No.190 Hammer, Scaling



- QB/T 1290.6 Precision Casting
- Mainly used for cleaning rust, welding slag.

Number	H g	L m m	 g
190 - 1002	150	280	205
190 - 1004	300	280	370

No.191 Hammer, Sledge



- QB/T 2813.6 Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.

Number	H g	L m m	 g
191 - 1002	450	310	610
191 - 1004	1000	400	1300
191 - 1006	1400	400	1700
191 - 1008	1500	400	1800
191 - 1010	1800	400	2100
191 - 1012	2000	400	2300
191 - 1014	2200	400	2500
191 - 1016	2500	700	3210
191 - 1018	2700	700	3410
191 - 1020	3000	700	3710
191 - 1022	3600	700	4310
191 - 1024	4000	900	4910
191 - 1026	4500	900	5410
191 - 1028	5000	900	5910
191 - 1030	5400	900	6310
191 - 1032	6400	900	7310
191 - 1034	7200	900	8110
191 - 1036	8000	900	8910
191 - 1038	8200	900	9110
191 - 1040	9100	900	10010
191 - 1042	9900	900	10810



No.191A Hammer, Sledge



- GB/T 2613.6 Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.

Number	Size g	L mm	 g
191A - 1002	450	310	450
191A - 1004	1000	400	1000
191A - 1006	1400	400	1400
191A - 1008	1500	400	1500
191A - 1010	1800	400	1800
191A - 1012	2000	400	2000
191A - 1014	2200	400	2200
191A - 1016	2500	700	2500
191A - 1018	2700	700	2700
191A - 1020	3000	700	3000
191A - 1022	3600	700	3600
191A - 1024	4000	900	4000
191A - 1026	4500	900	4500
191A - 1028	5000	900	5000
191A - 1030	5400	900	5400
191A - 1032	6400	900	6400
191A - 1034	7200	900	7200
191A - 1036	8000	900	8000
191A - 1038	8200	900	8200
191A - 1040	9100	900	9100
191A - 1042	9900	900	9900

No.191B Hammer, Sledge



- GB/T 2613.6 Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.

Number	Size g	L mm	 g
191B - 1002	450	310	450
191B - 1004	1000	400	1000
191B - 1006	1400	400	1400
191B - 1008	1500	400	1500
191B - 1010	1800	400	1800
191B - 1012	2000	400	2000
191B - 1014	2200	400	2200
191B - 1016	2500	900	2500
191B - 1018	2700	900	2700
191B - 1020	3000	900	3000
191B - 1022	3600	900	3600
191B - 1024	4000	900	4000
191B - 1026	4500	900	4500
191B - 1028	5000	900	5000
191B - 1030	5400	900	5400
191B - 1032	6400	900	6400
191B - 1034	7200	900	7200
191B - 1036	8000	900	8000
191B - 1038	8200	900	8200
191B - 1040	9100	900	9100
191B - 1042	9900	900	9900

No.191C Hammer, Sledge (German Type)



- Q/ZBF-191C Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- German type.

Number	H g	L mm	 g
191C - 1002	500	310	650
191C - 1004	1000	400	1300
191C - 1006	1500	400	1800
191C - 1008	2000	400	2300
191C - 1010	3000	700	3700
191C - 1012	4000	900	4900
191C - 1014	5000	900	5900

No.191D Club Hammer



- Q/ZBF-191D Precision Casting
- It is useful for light demolition work, driving masonry nails, and for use with a steel chisel when cutting stone or metal. It is a heavy one-handed hammer with a double-faced head.

Number	Size lb	 g
191D - 1002	2	910
191D - 1004	4	1800

No.191E Nylon Hammer



- Q/ZBF-191E Precision Casting
- The nylon head are used to protect the striking surface from damage.

Number	Size g	L m m	 g
191E - 1002	800	340	800
191E - 1004	1000	400	1000

No.191F Nylon Hammer



- Q/ZBF-191F Precision Casting
- The nylon head are used to protect the striking surface from damage.

Number	Size g	L m m	 g
191F - 1002	420	280	420
191F - 1004	650	340	650

No.191G Sledge Hammer



- Hickory handle

Number	H g	L m m	 g
191G - 1002	450	310	640
191G - 1004	1000	320	1200
191G - 1006	1400	360	1620
191G - 1008	1500	360	1720
191G - 1010	1800	380	2020
191G - 1012	2000	380	2240
191G - 1014	2200	400	2440
191G - 1016	2500	400	2740
191G - 1018	2700	400	2940
191G - 1020	3000	700	3630
191G - 1022	3600	700	4230
191G - 1024	4000	800	4790
191G - 1026	4500	800	5290
191G - 1028	5000	800	5790
191G - 1030	5400	800	6190
191G - 1032	6400	800	7190
191G - 1034	7200	900	8130
191G - 1036	8000	900	8930
191G - 1038	8200	900	9130
191G - 1040	9100	900	10030
191G - 1042	9900	900	10830

No.191H Sledge Hammer



- QB/T2613.6 Precision Casting
- Hickory handle

Number	Size g	L m m	 g
191H - 1002	450	310	450
191H - 1004	1000	360	1000
191H - 1006	1400	360	1400
191H - 1008	1500	360	1500
191H - 1010	1800	380	1800
191H - 1012	2000	380	2000
191H - 1014	2200	400	2200
191H - 1016	2500	400	2500
191H - 1018	2700	400	2700
191H - 1020	3000	700	3000
191H - 1022	3600	700	3600
191H - 1024	4000	800	4000
191H - 1026	4500	800	4500
191H - 1028	5000	800	5000
191H - 1030	5400	800	5400
191H - 1032	6400	800	6400
191H - 1034	7200	900	7200
191H - 1036	8000	900	8000
191H - 1038	8200	900	8200
191H - 1040	9100	900	9100
191H - 1042	9900	900	9900

No.192A Sledge Hammer



- Q/ZBF-192A Precision Casting
- New fixing system increased the safety of the users.

Number	H g	L m m	 g
192A - 1002	1000	370	1300
192A - 1004	1400	370	1700
192A - 1006	1500	370	1800
192A - 1008	1800	370	2100
192A - 1010	2000	370	2300
192A - 1012	2200	370	2500
192A - 1014	2500	900	3460
192A - 1016	2700	900	3660
192A - 1018	3000	900	3960
192A - 1020	3600	900	4560
192A - 1022	4000	900	4960
192A - 1024	4500	900	5460
192A - 1026	5000	900	5960
192A - 1028	5400	900	6360
192A - 1030	6400	900	7360
192A - 1032	7200	900	8160
192A - 1034	8000	900	8960
192A - 1036	8200	900	9160
192A - 1038	9100	900	10060
192A - 1040	9900	900	10860

No.192 Hammer, Testing



- QB/T 2613.3 Precision Casting
- Mainly used to hitting railroad or equipment.

Number	H g	L m m	 g
192 - 1002	150	300	206
192 - 1004	250	335	345

No.192B Hammer, Sledge(German Type)



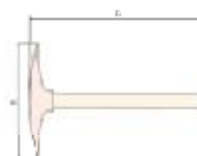
- Q/ZBF-192B Precision Casting
- New design fixing-system, increased the safety of users.

Number	H g	L m m	
192B - 1004	1000	370	1300
192B - 1006	1500	370	1800
192B - 1008	2000	370	2300
192B - 1010	3000	900	3950
192B - 1012	4000	900	4950
192B - 1014	5000	900	5950

No.194 Pick Railroad



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.

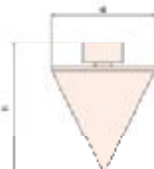


Number	Size	A m m	L m m	Be - Cu g	Al - Cu g
194 - 1002	1 #	360	910	2100	2000
194 - 1004	2 #	385	910	2950	2800
194 - 1006	3 #	410	910	3385	3200
194 - 1008	4 #	470	910	3715	3500

No.193 Hammer, Plumb



- Q/ZBF-193 Precision Casting
- Plumb hammer bob were used to provide vertical datum lines for the building measurements

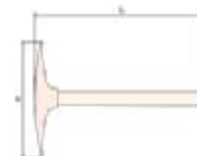


Number	H m m	Φ m m	Be - Cu g	Al - Cu g
193 - 1002	59	50	275	247

No.194A Pick Railroad



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.



Number	Size	L m m	Be - Cu g	Al - Cu g
194A - 1002	1 #	910	2100	2000
194A - 1004	2 #	910	2950	2800
194A - 1006	3 #	910	3385	3200
194A - 1008	4 #	910	4330	4000

No.195 Axe Fireman



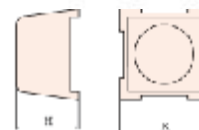
- QB/T 2565.1 Precision Casting
- For cutting application mainly used by firefighters.

Number	L mm	H mm	B mm	Be - Cu g	Al - Cu g
195 - 1002	340	200	98	1425	1300

No.197 Anvil Block



- Q/ZBF-197 Precision Casting
- It is a block with a hard surface on which another object is struck. In most cases the anvil is used as a forging tool.



Number	Size g	H mm	K mm
197 - 1002	3000	63	92
197 - 1004	5000	75	111
197 - 1006	16000	114	160

No.196 Axe



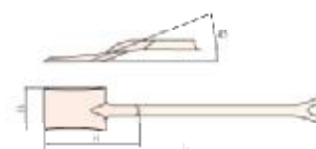
- GB 5389.6 Precision Casting
- For cutting application

Number	L mm	H mm	B mm	Be - Cu g	Al - Cu g
196 - 1002	340	145	82	980	890

No.198 Shovel, Square



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.

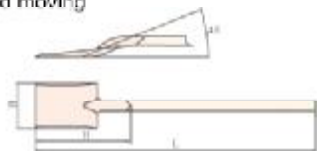


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
198 - 1002	940	175	340	1410	1290
198 - 1004	990	240	418	1804	1650

No.198A Shovel, Square



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.
- Extra long handle.

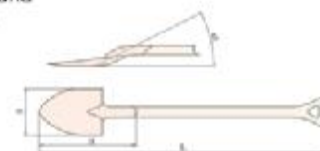


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
198A - 1002	1400	175	340	1800	1680
198A - 1004	1450	240	418	2200	2050

No.200 Shovel, Round Point



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.

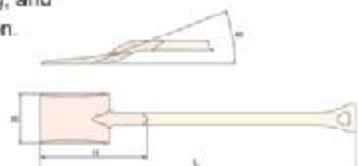


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
200 - 1002	990	240	420	1553	1420

No.199 Dust Pan



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.

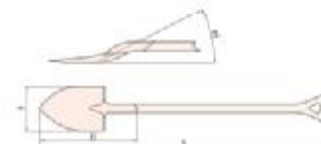


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
199 - 1002	990	270	520	2330	2130

No.200A Shovel, Round Point



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.
- Japanese type.

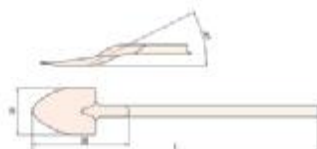


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
200A - 1002	830	170	300	1300	1220

No.200B Shovel, Round Point



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.
- Extra long handle.

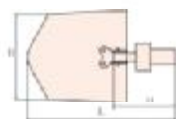


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
200B - 1002	1450	240	420	1553	1420

No.201 Folding Spade



- Q/ZBF-201 Cold Rolled
- Dual-use. The spade can be fold back used as a hoe.



Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
201 - 1002	320	180	130	1500	1350

No.201A Edging Spade



- Q/ZBF-201A Precision Casting
- Designed primarily for the purpose of digging, high strength.



Number	H mm	B mm	H ₁ mm	Be - Cu g	Al - Cu g
201A - 1002	1390	195	290	3500	3200
201A - 1004	1440	175	340	3700	3480



CNFB®

D

Be—Cu



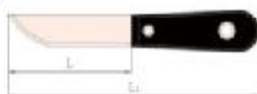
TOP QUALITY
WORLD FAMOUS BRAND
EXPORTED TO 80
COUNTRIES



No.202 Knife, Common



- Q/ZBF-202 Cold Rolled
- Cutting tool, plastic handle.

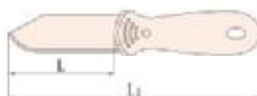


Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
202 - 1002	80	185	75	105
202 - 1004	145	250	95	125

No.202A Knife



- Q/ZBF-202A Cold Rolled
- Cutting tool, plastic handle.



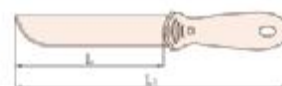
Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
202A - 1002	90	203	80	110



No.202B Knife, Common



- Q/ZBF-202B Cold Rolled
- Cutting tool, plastic handle.



Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
202B - 1002	80	193	75	105
202B - 1004	137	250	95	125

No.203 Knife, Putty



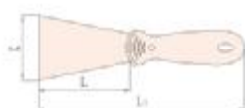
- QB/T 2083 Cold Rolled
- Suitable for scraping or spreading.

Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
203 - 1002	25	95	200	75	90
203 - 1004	40	95	200	95	115
203 - 1006	50	95	200	105	120
203 - 1008	65	95	200	115	125

No.203A Knife, Putty



- QB/T2083 Cold Rolled
- Suitable for scraping or spreading.

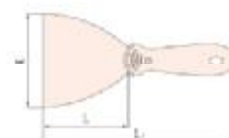


Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
203A - 1002	25	90	203	75	90
203A - 1004	40	90	203	95	115
203A - 1006	50	90	200	105	120
203A - 1008	65	90	203	115	125

No.203B Knife, Putty



- QB/T2083 Cold Rolled
- Suitable for scraping or spreading.

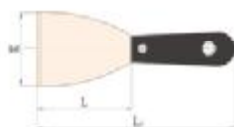


Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
203B - 1002	75	90	203	150	165
203B - 1004	100	90	203	175	195
203B - 1006	150	140	253	280	310

No.204 Knife, Putty



- QB/T2083 Cold Rolled
- Suitable for scraping or spreading

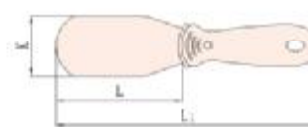


Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204 - 1002	75	95	200	100	165
204 - 1004	100	95	200	105	195
204 - 1006	150	145	250	215	310

No.204A Spatula



- Q/ZBF-204A Cold Rolled
- Used for mixing and spreading

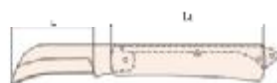


Number	B mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204A - 1002	30	203	90	85	80
204A - 1004	50	218	105	115	110
204A - 1006	90	233	120	160	145

No.204B Electrician Knife



- QB/T2208 Die forged
- Cutting tool, mainly used in electrician's job.



Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204B - 1002	61	113	210	185

No.204D Spatula



- Q/ZBF-204D Cold Rolled
- Suitable for scraping or spreading, extra long blade.

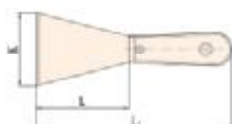


Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204D - 1002	40	350	230	120	110

No.204C Knife, Putty



- QB/T2083 Cold Rolled
- Suitable for scraping or spreading,
- Wood handle.

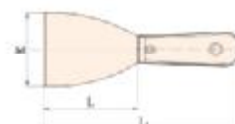


Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204C - 1002	25	95	200	75	90
204C - 1004	40	95	200	95	115
204C - 1006	50	95	200	105	120
204C - 1008	65	95	200	115	125

No.204E Knife, Putty



- QB/T2083 Cold Rolled
- Suitable for scraping or spreading,
- Wood handle.



Number	K mm	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204E - 1002	75	95	200	100	165
204E - 1004	100	95	200	105	195
204E - 1006	150	145	250	215	310

No.204F Knife



- Q/ZBF-204F Cold Rolled
- Knife with leather case.

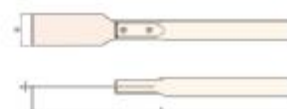


Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204F - 1002	110	216	90	120

No.205 Scraper



- Q/ZBF205 Cold Rolled
- Scraper with long wooden handle.

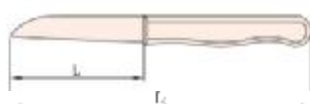


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
205 - 1002	902	50	2	683	625

No.204G Knife



- Q/ZBF-204G Cold Rolled
- Knife with long wooden handle.



Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
204G - 1002	75	180	90	120

No.205A Scraper



- Q/ZBF-205A Cold Rolled
- Scraper with long handle.



Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
205A - 1002	902	50	2	683	625

No.206 Scraper, Flat



- Q/ZBF-206 Die forged
- Scraping tool.



Number	L mm	B mm	L ₁ mm	Be - Cu g	Al - Cu g
206-1002	200	30	325	330	300
206-1004	300	30	430	480	440
206-1006	350	35	490	640	580
206-1008	350	50	500	1020	910
206-1010	400	60	560	1520	1330

No.207 Scraper, Deck



- Q/ZBF-207 Die forged
- Scraping tool.



Number	L mm	B mm	Be - Cu g	Al - Cu g
207-1002	250	39	285	255
207-1004	300	45	380	335
207-1006	350	55	555	507
207-1008	400	50	775	700
207-1010	650	56	1405	1290
207-1012	750	58	1540	1380

Number	L inch	B inch	Be - Cu g	Al - Cu g
207A-1002	12	2	460	425

No.208 Scraper, Deck



- Q/ZBF-208 Precision Casting
- Scraping tool.



Number	L mm	B mm	Be - Cu g	Al - Cu g
208-1002	270	40	371	338

No.209 Scraper, Deck

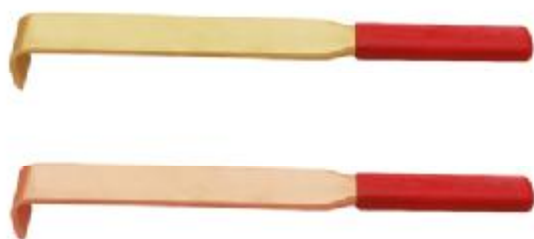


- Q/ZBF-209 Die forged
- Scraping tool.



Number	L mm	B mm	Be - Cu g	Al - Cu g
209-1002	300	48	432	391

No.210 Scraper, Deck



- Q/ZBF-210 Die forged
- Scraping tool.



Number	L mm	B mm	Be - Cu g	Al - Cu g
210 - 1002	380	38	821	720

No.212 Scraper

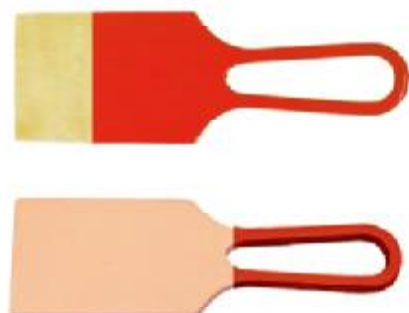


- Q/ZBF-212 Die forged
- New type, sharp blade, labor saving



Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
212 - 1002	690	90	50	550	520
212 - 1004	705	100	75	750	700
212 - 1006	720	115	100	850	800
212 - 1008	765	150	150	1400	1300

No.211 Scraper, Spray Booth

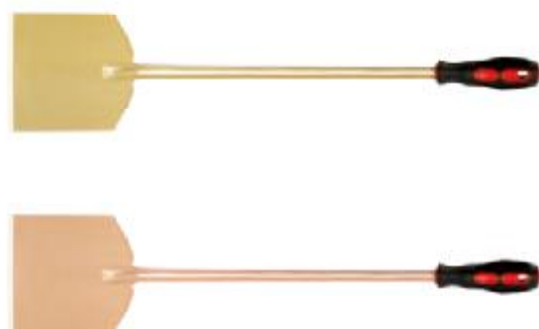


- Q/ZBF-211 Precision Casting
- Used for spray paint booth operations, labor saving.



Number	L mm	B mm	Be - Cu g	Al - Cu g
211 - 1002	235	76	392	358

No.212A Scraper, Hand Style



- Q/ZBF-212A Die forged
- New type, sharp blade, labor saving.



Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
212A - 1002	480	95	95	600	540

No.212B Scraper, Rust

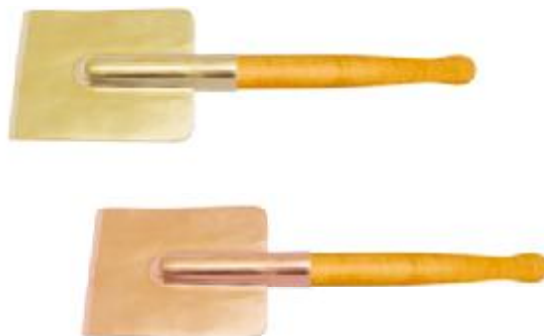


- Q/ZBF-212B Die forged
- Cleaning irregularly arc surface.

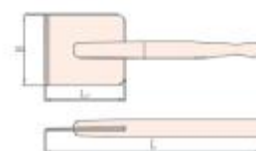


Number	L mm	B mm	L ₁ mm	Be - Cu g	Al - Cu g
212B - 1002	600	75	75	700	620

No.213A Scraper, Floor



- Q/ZBF-213A Precision Casting
- Scraping tool with wide blade.

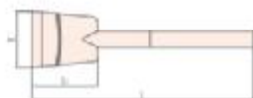


Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
213A - 1002	460	170	150	1150	1000

No.213 Scraper, Arched



- Q/ZBF-213 Die forged
- Cleaning irregularly arc surface.



Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
213 - 1002	600	120	50	650	600
213 - 1004	710	120	100	925	830
213 - 1006	720	120	150	1080	980

No.214 Opener Carbide Drum

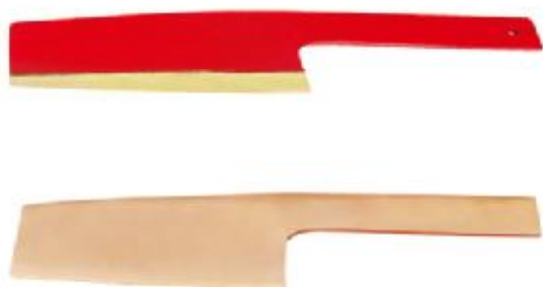


- Q/ZBF-214 Die forged
- Used to open the oil drum.



Number	L mm	B mm	Be - Cu g	Al - Cu g
214 - 1002	280	53	655	595

No.215 Scraper, Tile Cleaver



- QB/T 2212.17 Die forged
- Used for bricklaying.

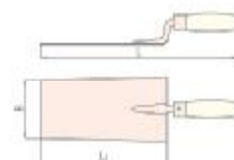


Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
215 - 1002	180	350	55	610	550

No.215B Trapezia Shovel Bricklayer's



- QB/T2212.12 Cold Rolled
- Used for bricklaying.

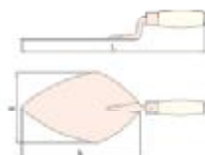


Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
215B - 1002	290	160	80	420	390

No.215A Trowel Bricklayer 's

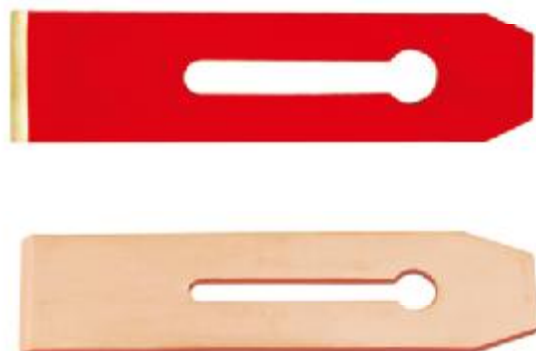


- QB/T2212.14 Cold Rolled
- Used for bricklaying.



Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
215A - 1002	335	215	130	700	620

No.216 Plane 's Blade



- Q/ZBF-216 Die forged
- Used for chipping and planing.



Number	L mm	B mm	Be - Cu g
216 - 1002	175	43	130

No.217 File, Flat



- QB/T 2569 Die forged
- Used to cut fine amounts of material from a workpiece.



Number	L inch	L mm	B mm	H mm	Be - Cu g
217 - 1002	6	150	16	4	75
217 - 1004	8	200	21	4.5	160
217 - 1006	10	250	25	6	282
217 - 1008	12	300	30	6.5	455
217 - 1010	14	350	32	8	675
217 - 1012	16	400	32	9.5	925

No.219 File, Round



- QB/T 2569 Die forged
- Used to cut fine amounts of material from a workpiece.



Number	L inch	L mm	Φ mm	Be - Cu g
219 - 1002	6	150	6.5	45
219 - 1004	8	200	7.5	91
219 - 1006	10	250	8.5	122
219 - 1008	12	300	9.5	180
219 - 1010	14	350	10.5	250

No.218 File, Half Round



- QB/T 2569 Die forged
- Used to cut fine amounts of material from a workpiece.



Number	L inch	L mm	B mm	H mm	Be - Cu g
218 - 1002	6	150	22	6	105
218 - 1004	8	200	23	7	190
218 - 1006	10	250	26	8	255
218 - 1008	12	300	28	9	375
218 - 1010	14	350	30	10	565

No.220 File, Square



- QB/T 2569 Die forged
- Used to cut fine amounts of material from a workpiece.



Number	L inch	L mm	B mm	Be - Cu g
220 - 1002	8	200	8	130
220 - 1004	10	250	10	155
220 - 1006	12	300	11	202
220 - 1008	14	350	12	303

No.221 File, Triangle



- QB/T 2569 Die forged
- Used to cut fine amounts of material from a workpiece.



Number	L inch	L mm	B mm	Be - Cu g
221 - 1002	8	200	12	115
221 - 1004	10	250	13	125
221 - 1006	12	300	14	160
221 - 1008	14	350	14	205

No.223 Chisel, Pneumatic Bull Point



- Q/ZBF-223 Die forged
- Designed to fit pneumatic tools.



Number	S mm	L mm	L1 mm	Be - Cu g	Al - Cu g
223 - 1002	28	500	150	2650	2400

No.222 Punch, Machinists'



- Q/ZBF-222 Die forged
- For creating a dimple in wood or plastic.



Number	S mm	L mm	Be - Cu g	Al - Cu g
222 - 1002	14	150	165	155
222 - 1004	18	200	385	355
222 - 1006	20	250	610	555
222 - 1008	20	300	725	660

No.223A Punch Machinists'



- Q/ZBF-223A Die forged
- For creating a dimple in wood or plastic, usually struck by a hammer.



Number	Φ mm	L mm	Be - Cu g	Al - Cu g
223A - 1002	5	150	235	215
223A - 1004	8	150	285	255
223A - 1006	10	150	345	315

No.223B Drift Cylindrical



- DIN 6450 Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.



Number	Φ mm	Φ ₁ mm	L mm	Be - Cu g	Al - Cu g
223B - 1002	3	9	110	20	15
223B - 1004	4	10	110	57	50
223B - 1006	6	12	115	105	95
223B - 1008	8	14	120	130	115
223B - 1010	10	16	145	200	180
223B - 1012	12	18	160	280	260
223B - 1014	14	20	180	410	380
223B - 1016	16	24	200	640	600
223B - 1018	18	30	225	1070	960
223B - 1020	20	32	225	1230	1110

No.223C Punch



- Q/ZBF-223C Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.



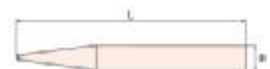
Number	Φ mm	Φ ₁ mm	L mm	Be - Cu g	Al - Cu g
223C - 1002	5	11	150	105	95
223C - 1004	6	12	150	130	115
223C - 1006	7	13	150	150	135
223C - 1008	8	14	150	170	150
223C - 1010	10	16	175	255	230
223C - 1012	12	18	175	335	300
223C - 1014	13	29	255	1180	1060



No.223D Punch, Machinists'



- Q/ZBF-223D Die forged
- Drilling tool



Number	L mm	Φ mm	Be - Cu g	Al - Cu g
223D - 1002	160	18	290	265
223D - 1004	250	18	470	425
223D - 1006	300	18	600	545
223D - 1008	300	20	700	635
223D - 1010	300	25	1100	995
223D - 1012	400	18	800	725
223D - 1014	400	20	1000	885



No.223E Drift pin, barrel straight



- Q/ZBF-223E Die forged
- Used as an aid in aligning bolt or rivet holes prior to inserting a fastener.



Number	L mm	Φ mm	Φ1 mm	Be - Cu g	Al - Cu g
223E - 1002	150	8	11	125	118
223E - 1004	150	10	13	155	140
223E - 1006	150	12	15	215	190
223E - 1008	200	14	18	420	380
223E - 1010	200	15	19	435	390
223E - 1012	200	16	20	480	435
223E - 1014	200	17	21	570	540
223E - 1016	250	18	22	600	560
223E - 1018	250	19	23	860	780
223E - 1020	250	20	24	875	790
223E - 1022	250	21	25	950	885
223E - 1024	250	22	26	965	920
223E - 1026	250	24	28	1270	1150
223E - 1028	250	25	29	1300	1170
223E - 1030	250	26	30	1390	1250
223E - 1032	300	27	31	1900	1770

No.224 Scraper, Triangular



- Q/ZBF-224 Precision Casting
- Scraping tool

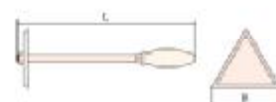


Number	L mm	L ₁ mm	K mm	Be - Cu g	Al - Cu g
224 - 1002	160	300	22	245	225
224 - 1004	300	400	26	645	590

No.224A Scraper Plate



- Q/ZBF-224A Die forged
- Scraping tool



Number	L mm	B mm	Be - Cu g	Al - Cu g
224A - 1002	470	150	900	810

No.224B Scraper, Halfmoon



- Q/ZBF-224B Die forged
- Scraping tool



Number	L mm	B mm	Be - Cu g	Al - Cu g
224B - 1002	326	100	260	235

No.224C Scraper, Triangular



- Q/ZBF-224C Die forged
- Scraping tool



Number	L mm	L ₁ mm	K mm	Be - Cu g	Al - Cu g
224C - 1002	440	300	20	420	380

No.224D Scraper, Half Round



- Q/ZBF-224D Die forged
- Scraping tool



Number	L mm	L ₁ mm	B mm	H mm	Be - Cu g	Al - Cu g
224D - 1002	440	300	30	5	420	380

No.225 Chisel, Cross



- Q/ZBF-225 Die forged
- Used for cutting grooves and slots.

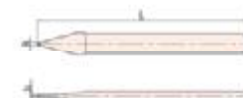


Number	S mm	L mm	H mm	Be - Cu g	Al - Cu g
225 - 1002	20	200	8	475	432

No.225A Chisel, Cross Cutting



- DIN6451 Die forged
- Used for cutting grooves and slots.

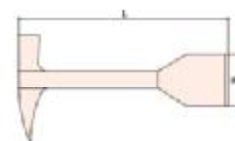


Number	L mm	B mm	h mm	Be - Cu g	Al - Cu g
225A - 1002	140	4	4	280	255
225A - 1004	200	4	4	480	435
225A - 1006	300	5	5	840	760

No.225B Scraper Pick And Scaler



- Q/ZBF-225B Die forged
- Dual-use, one end used to striking the brick and tile and the other end used as a scraper.



Number	L mm	B mm	Be - Cu g	Al - Cu g
225B - 1002	450	75	1285	1155

No.225C Chisel, Flat



- DIN6453 Die forged
- Used for cutting grooves and slots

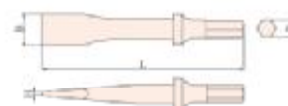


Number	B mm	L mm	Be - Cu g	Al - Cu g
225C - 1002	22	150	235	205
225C - 1004	22	200	320	280
225C - 1006	24	250	490	440
225C - 1008	25	300	770	700
225C - 1010	27	400	1220	1100

No.227 Chisel, Pneumatic



- Q/ZBF-227 Die forged
- Designed to fit pneumatic tools.

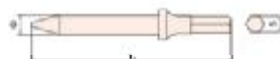


Number	S mm	L mm	B mm	H mm	Be - Cu g	Al - Cu g
227 - 1002	10	125	20	2	160	141
227 - 1004	10	175	20	2	210	182

No.226 Chisel, Pneumatic



- Q/ZBF-226 Die forged
- Designed to fit pneumatic tools.

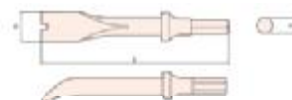


Number	S mm	L mm	Φ mm	Be - Cu g	Al - Cu g
226 - 1002	10	125	12	117	102
226 - 1004	10	175	12	168	143

No.228 Chisel, Pneumatic



- Q/ZBF-228 Die forged
- Designed to fit pneumatic tools.

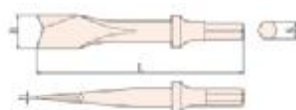


Number	S mm	L mm	B mm	Be - Cu g	Al - Cu g
228 - 1002	10	125	20	152	117
228 - 1004	10	175	20	190	122

No.229 Chisel , Pneumatic



- Q/ZBF-229 Die forged
- Designed to fit pneumatic tools.

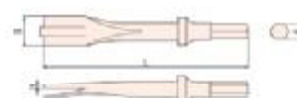


Number	S mm	L mm	H mm	B mm	Be - Cu g	Al - Cu g
229-1002	10	125	2	20	162	142
229-1004	10	175	2	20	213	183

No.230 Chisel , Pneumatic



- Q/ZBF-230 Die forged
- Designed to fit pneumatic tools.

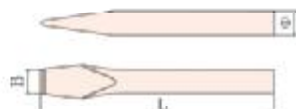


Number	S mm	L mm	B mm	H mm	Be - Cu g	Al - Cu g
230-1002	10	125	20	2	127	112
230-1004	10	175	20	2	178	153

No.231 Chisel, Flat



- Q/ZBF-231 Die forged
- Cutting tool matched with mallet or hammer

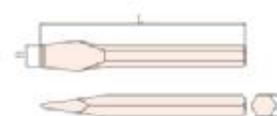


Number	L mm	Φ mm	B mm	Be - Cu g	Al - Cu g
231-1002	160	14	14	175	160
231-1004	160	16	16	231	210
231-1006	160	18	18	295	271
231-1008	200	18	18	382	342
231-1010	200	20	20	473	430
231-1012	250	24	24	822	751
231-1014	300	24	24	1025	942
231-1016	300	25	25	1302	1002
231-1018	400	25	25	1502	1360
231-1020	500	25	25	1903	1730
231-1022	500	30	30	2730	2481

No.232 Chisel Hex/6 Point



- DIN 7254 Die forged
- Cutting tool, hexagon shaft.

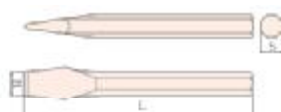


Number	S mm	L mm	B mm	Be - Cu g	Al - Cu g
232-1002	10	150	12	98	92
232-1004	14	200	16	251	231
232-1006	16	160	18	262	242
232-1008	14	250	16	320	302
232-1010	17	300	19	772	701
232-1012	17	350	19	903	821
232-1014	22	600	24	1861	1702
232-1016	25	300	28	1204	1090
232-1018	30	500	35	2860	2620

No.233 Chisel 8 Point



- QB/T 2613.2 Die forged
- Cutting tool, octagon shaft.

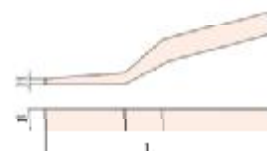


Number	L mm	S mm	B mm	Be - Cu g	Al - Cu g
233 - 1002	160	14	14	186	170
233 - 1004	160	16	16	255	230
233 - 1006	180	19	19	402	366
233 - 1008	200	19	19	451	411
233 - 1010	200	22	22	650	562
233 - 1012	250	24	24	880	792
233 - 1014	300	24	24	1052	950
233 - 1016	300	30	30	1603	1450
233 - 1018	400	27	27	1780	1620

No.234 Caulking Tool



- Q/ZBF-234 Die forged
- Used to seal joints or seams.

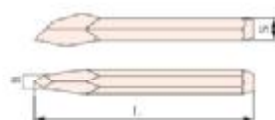


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
234 - 1002	200	20	5	495	455
234 - 1004	250	20	8	652	585

No.233A Chisel, Diamond Point



- Q/ZBF-233A Die forged
- Diamond-shaped cutting face for cutting V grooves or sharp internal corners.



Number	S mm	L mm	B mm	Be - Cu g	Al - Cu g
233A - 1002	20	200	13	580	525

No.234A Caulking Tool

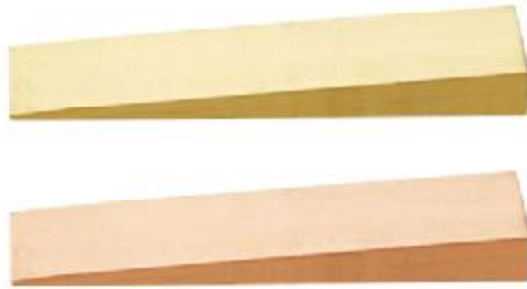


- Q/ZBF-234A Die forged
- Used for striking or tamping down cement.



Number	S mm	L mm	Be - Cu g	Al - Cu g
234A - 1002	50	1200	18450	16850

No.235 Wedge, Flange



- Q/ZBF-235 Die forged
- Used to lever up equipments.



Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
235 - 1002	80	13	6	25	23
235 - 1004	100	50	10	201	185
235 - 1006	135	50	18	497	455
235 - 1008	150	40	8	200	180
235 - 1010	150	25	8	122	112
235 - 1012	150	25	13	205	185
235 - 1014	150	50	13	400	365
235 - 1016	180	32	13	305	280
235 - 1018	180	50	19	700	640
235 - 1020	200	20	30	490	451
235 - 1022	200	30	30	740	675
235 - 1024	200	40	40	1315	1200
235 - 1026	200	50	12	500	450
235 - 1028	230	40	20	751	690
235 - 1030	250	40	30	1230	1125
235 - 1032	300	50	40	2460	2250

Number	L inch	B inch	H inch	Be - Cu g	Al - Cu g
235 - 1001	4	3/4	1/2	110	100
235 - 1003	6	1	1/2	220	200
235 - 1005	6	1-1/2	3/4	480	435
235 - 1007	7	2	3/4	755	680
235 - 1009	8	1-1/2	1	855	770
235 - 1011	8-1/2	2	1-1/4	1500	1360

No.237 Bar



- TB 1517 Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	L mm	Φ mm	B mm	Be - Cu g	Al - Cu g
237 - 1002	500	15	15	738	675
237 - 1004	500	19	19	1150	1050
237 - 1006	500	20	20	1295	1185
237 - 1008	500	25	25	1975	1805
237 - 1010	500	30	30	2925	2675
237 - 1012	600	25	25	2380	2175
237 - 1014	600	30	30	3450	3155
237 - 1016	800	23	23	2290	2095
237 - 1018	800	25	25	3175	2905
237 - 1020	800	30	30	4490	4105
237 - 1022	850	30	30	4870	4455
237 - 1024	1000	25	25	3985	3645
237 - 1026	1000	28	28	4710	4305
237 - 1028	1000	30	30	5595	5115
237 - 1030	1200	25	25	4795	4385
237 - 1032	1200	30	30	6970	6375
237 - 1034	1500	30	30	8665	7925

No.236 Punch, Center



- Q/ZBF-236 Die forged
- Used to mark the centre of a hole when drilling holes.

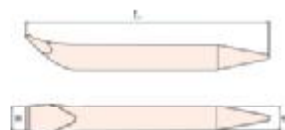


Number	L mm	Φ mm	Be - Cu g	Al - Cu g
236 - 1002	100	16	145	125
236 - 1004	150	16	230	205
236 - 1006	200	18	392	340
236 - 1008	300	18	615	540
236 - 1010	400	18	820	740
236 - 1012	500	20	1230	1102
236 - 1014	500	30	2740	2480

No.237A Bar, Pinch



- Q/ZBF-237A Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.



Number	L mm	Φ mm	B mm	Be - Cu g	Al - Cu g
237A - 1002	500	15	16	672	615
237A - 1004	500	19	20	1093	1001
237A - 1006	500	20	20	1148	1052
237A - 1008	500	23	23	1481	1355
237A - 1010	600	25	25	2132	1950
237A - 1012	800	23	23	2530	2293
237A - 1014	1000	30	28	5193	4752

No.237C Bar Crow



- Q/ZBF-237C Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.



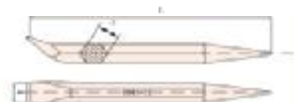
Number	L mm	H mm	B mm	Be - Cu g	Al - Cu g
237C - 1002	650	20	23	1855	1675
237C - 1004	1500	30	25	8910	8110

Number	L inch	H inch	B inch	Be - Cu g	Al - Cu g
237C - 1001	60	1-1/4	1-3/8	8920	8050

No.237B Bar (Hex) Pinch



- Q/ZBF-237B Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.



Number	L mm	S mm	B mm	Be - Cu g	Al - Cu g
237B - 1002	500	18	20	1200	1090
237B - 1004	500	20	22	1450	1320
237B - 1006	600	20	22	1750	1600
237B - 1008	1000	22	24	3500	3200
237B - 1010	1000	25	27	4500	4080
237B - 1012	1500	25	27	6750	6120
237B - 1014	1000	35	37	8800	8000

No.237D Bar, Pinch



- Q/ZBF-237D Die forged
- Used for prying, moving, rolling, or lifting heavy objects.

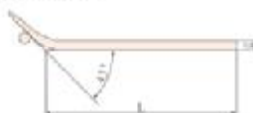


Number	L mm	H mm	B mm	Be - Cu g	Al - Cu g
237D - 1002	600	3	52	2435	2221

No.237E Spike



- Q/ZBF-237E Precision Casting
- Used for prying, moving, rolling, or lifting heavy objects the fulcrum provide more leverage.



Number	L mm	B mm	Be - Cu g	Al - Cu g
237E - 1002	600	22	2320	2100

No.238A Hearing Needle With Ball



- Q/ZBF-238A Cold Drawn
- This is an ideal tool to accurately judge and find out the problems upon the principal of sound transmission



Number	L mm	Φ mm	Be - Cu g	Al - Cu g
238A - 1002	500	6	130	115

No.238 Hearing Needle



- Q/ZBF-238 Cold Drawn
- This is an ideal tool to accurately judge and find out the problems upon the principal of sound transmission.



Number	L mm	Φ mm	Be - Cu g	Al - Cu g
238 - 1002	250	6	85	75
238 - 1004	300	8	150	135
238 - 1006	400	7	160	145
238 - 1008	500	10	335	305

No.238B Needle



- Q/ZBF-238B Cold Drawn
- Used for cleaning rust.

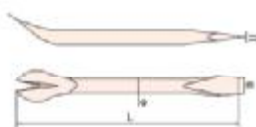


Number	L mm	Φ mm	Be - Cu g
238B - 1002	180	3	12

No.239 Bar, Wrecking



- Q/ZBF-239 Die forged
- Used for prying and removing nails.



Number	L mm	Φ mm	B mm	H mm	Be - Cu g	Al - Cu g
239 - 1002	250	13	15	1.5	280	250

No.240A Bar, Wrecking Hex



- Q/ZBF-240A Precision Casting
- Curved at the forked end to provide more leverage.

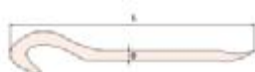


Number	L mm	S mm	Be - Cu g	Al - Cu g
240A - 1002	460	16	890	800
240A - 1004	760	22	3100	2800
240A - 1006	920	22	3650	3300

No.240 Bar, Wrecking



- Q/ZBF-240 Precision Casting
- Curved at the forked end to provide more leverage.

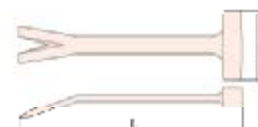


Number	L mm	Φ mm	Be - Cu g	Al - Cu g
240 - 1002	400	16	752	685
240 - 1004	600	16	1102	1002
240 - 1006	800	19	2200	2011
240 - 1008	1200	20	3570	3266

No.241 Crate Opener



- Q/ZBF-241 Die forged
- One end used for a wrecking bar and the other end used as a hammer.



Number	L mm	H mm	Be - Cu g	Al - Cu g
241 - 1002	230	70	471	430

CNFB®

E

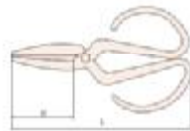


FORGED TOOLS,HIGH DENSITY
LONGEVITY AGAINST DURABLE WEAR

No.242 Shears,Cutting



- QB/T 1966 Die forged
- Hand-operated cutting instruments.

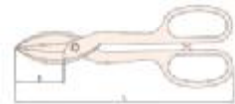


Number	L m m	B m m	Be - Cu g	Al - Cu g
242 - 1002	150	61	110	100

No.244 Shears,Tin



- Q/ZBF-244 Die forged
- Used for sheet-metal work, it is equipped with high-leverage handles to facilitate cutting the metal sheet.



Number	L m m	B m m	Be - Cu g	Al - Cu g
244 - 1002	300	75	488	410

No.243 Shears,Cutting



- Q/ZBF-243 Die forged
- Hand-operated cutting instruments.



Number	L m m	B m m	Be - Cu g	Al - Cu g
243 - 1002	290	91	235	215
243 - 1004	360	107	900	823

No.244A Scissors



- Q/ZBF-244A Precision Casting
- Hand-operated cutting instruments.



Number	L inch	L m m	B m m	Be - Cu g	Al - Cu g
244A - 1002	9	225	98	245	210

No.244B Tinner's Snip Plate Shear



- Q/ZBF-244B Die forged
- Hand-operated cutting instruments.

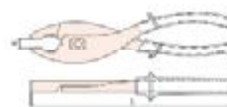


Number	L mm	Be - Cu g	Al - Cu g
244B - 1002	280	500	450

No.245 Pliers, Adjustable Combination



- QB/T 2319 Die forged
- Serrated teeth with slip joint.



Number	L inch	L mm	K mm	Be - Cu g	Al - Cu g
245 - 1002	6	150	8	213	195
245 - 1004	8	200	13	380	350

No.244C Shears



- Q/ZBF-244C Die forged
- This is a handheld, hinged instrument used for grasping and holding objects.



Number	L mm	Be - Cu g	Al - Cu g
244C - 1002	200	488	410

No.245A Gas Pliers



- Q/ZBF-245A Die forged
- Serrated teeth used to grip pipe line or other cylinders.

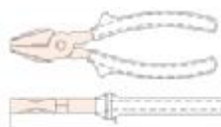


Number	L mm	Be - Cu g	Al - Cu g
245A - 1002	200	350	315

No.246 Pliers, Lineman



- ISO 5746 Die forged
- Used for cutting and crimping metal or wire.

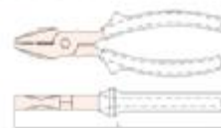


Number	L inch	L mm	Be - Cu g	Al - Cu g
246 - 1002	6	150	180	165
246 - 1004	7	175	355	330
246 - 1006	8	200	465	435
246 - 1008	10	250	550	500

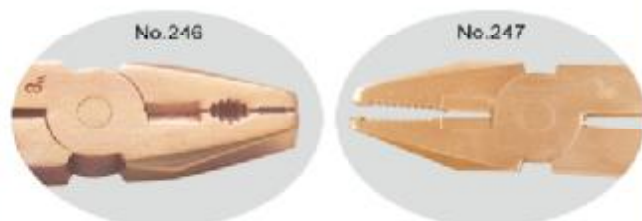
No.247 Pliers, Cutting



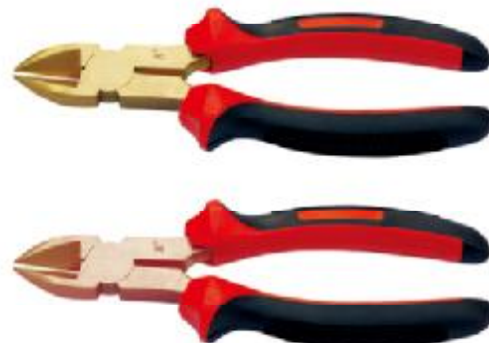
- Q/ZBF-247 Die forged
- Used for cutting and crimping metal or wire.



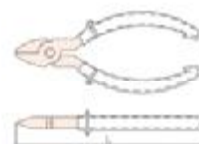
Number	L inch	L mm	Be - Cu g	Al - Cu g
247 - 1002	8	200	470	420



No.248 Pliers, Diagonal Cutting



- ISO 5749 Die forged
- Mostly used for cutting wire.

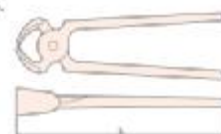


Number	L inch	L mm	Be - Cu g	Al - Cu g
248 - 1002	6	150	245	225
248 - 1004	8	200	410	365

No.249 Pincers

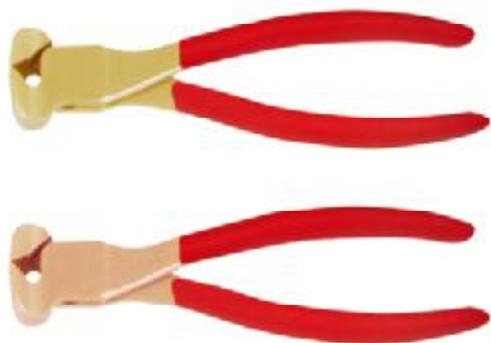


- ISO 9243 Die forged
- The concentration of force is either to a point, or to an edge perpendicular to the length of the tool. This allows pincers to be brought close to a surface, as is often required when working with nails.

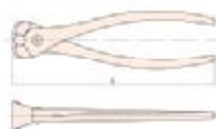


Number	L inch	L mm	Be - Cu g	Al - Cu g
249 - 1002	8	200	325	300

No.249A Pincers



- ISO 5748 Die forged
- The concentration of force is either to a point, or to an edge perpendicular to the length of the tool. This allows pincers to be brought close to a surface, as is often required when working with nails.

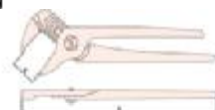


Number	L inch	L m m	Be - Cu g	Al - Cu g
249A - 1002	7	175	250	225

No.251 Pliers, Groove Joint



- QB/T 2440.4 Die forged
- The upper jaw can be moved to a number of positions by sliding along a tracking section under the lower jaw. An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider. Commonly used for turning and holding bolts and nuts, gripping irregularly shaped objects and clamping materials.

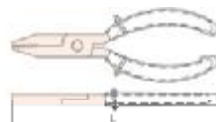


Number	L inch	L m m	K _{max} m m	Be - Cu g	Al - Cu g
251 - 1002	6	150	25	180	160
251 - 1004	10	250	45	425	370
251 - 1006	12	300	55	670	600
251 - 1008	14	350	55	850	770

No.250 Pliers, Flat Nose



- ISO 5745 Die forged
- Used for holding and crimping metal or wire.



Number	L inch	L m m	Be - Cu g	Al - Cu g
250 - 1002	6	150	165	151
250 - 1004	8	200	281	257

No.252 Pliers, Slip Joint



- ISO 8976 Die forged
- The lower jaw can be moved to a number of positions by sliding along a tracking section under the upper jaw. An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider. Commonly used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials.

Number	L inch	L m m	K _{max} m m	Be - Cu g	Al - Cu g
252 - 1002	10	250	32	365	335

No.252A Pliers, Water Pump



- ISO 2440.4 Die forged
- The upper jaw can be moved to a number of positions by sliding along a tracking section under the lower jaw. An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider.

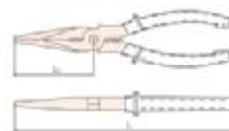


Number	L inch	L mm	K _{max} mm	Be - Cu g	Al - Cu g
252A - 1002	10	250	32	325	310
252A - 1004	12	300	52	665	610

No.254 Pliers, Long Nose



- ISO 5745 Die forged
- Used for cutting wire or holding tiny components.

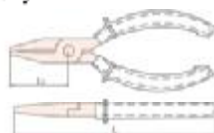


Number	L inch	L mm	L ₁ mm	Be - Cu g	Al - Cu g
254 - 1002	6	150	54	190	170
254 - 1004	8	200	74	335	300

No.253 Pliers, Snipe Nose



- ISO 5745 Die forged
- Used for cutting wire or holding tiny components.

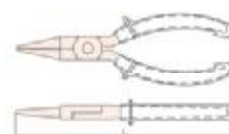


Number	L inch	L mm	L ₁ mm	Be - Cu g	Al - Cu g
253 - 1002	6	150	54	190	170
253 - 1004	8	200	74	335	300

No.255 Pliers, Round Nose



- ISO 5745 Die forged
- The tapered, conical jaws for bending and shaping wire.

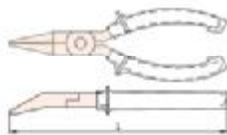


Number	L inch	L mm	Be - Cu g	Al - Cu g
255 - 1002	6	150	165	150

No.255A Pliers, Round 45 Degree Bent

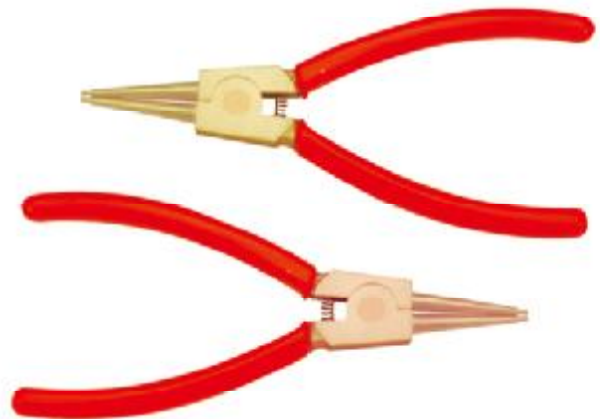


- ISO 5745 Die forged
- Cutting wire or holding tiny components.

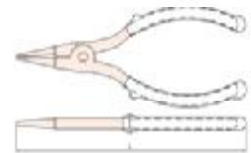


Number	L inch	L mm	Be - Cu g	Al - Cu g
255A - 1002	6	150	190	170

No.257 Pliers, Snap Ring-External

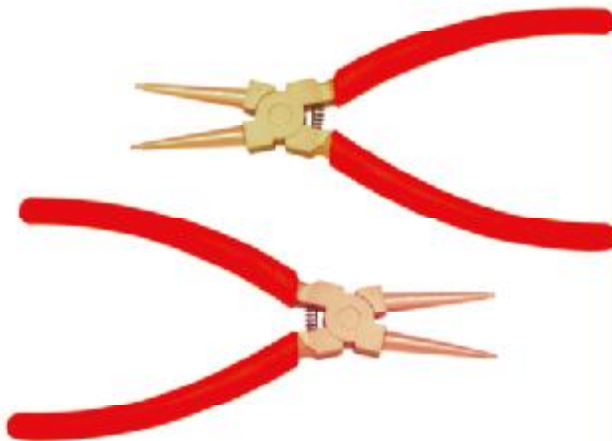


- DIN 5254 Die forged
- Install and remove snap rings

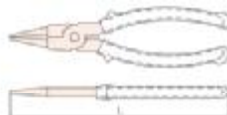


Number	L inch	L mm	Be - Cu g	Al - Cu g
257 - 1002	8	200	290	265
257 - 1004	10	250	415	380

No.256 Pliers, Snap Ring-Internal



- DIN 5254 Die forged
- Install and remove snap rings.



Number	L inch	L mm	Be - Cu g	Al - Cu g
256 - 1002	8	200	290	265
256 - 1004	10	250	415	380

No.257A Bolt Chipper

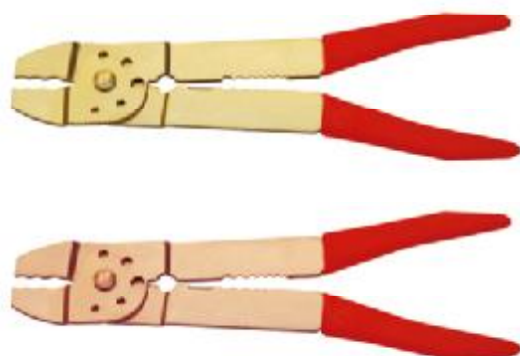


- ISO 5749 Die forged
- Used for cutting chains, padlocks, bolts and wire mesh. It typically has long handles and short blades, with compound hinges to maximize leverage and cutting force.

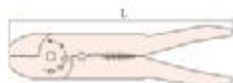


Number	L mm	D mm	Be - Cu g	Al - Cu g
257A - 1002	600	6	3350	3070
257A - 1004	900	8	9250	8400

No.257B Crimping Tool, Insulated Cable Connectors

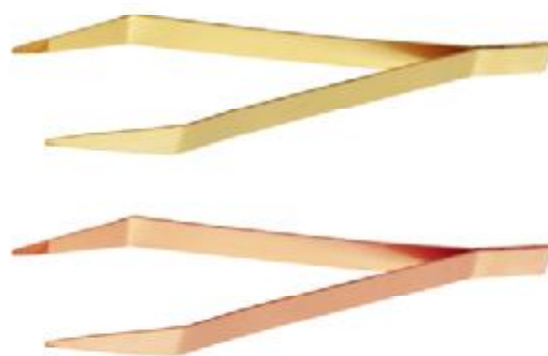


- Q/ZBF-257B Die forged
- Easily strips and cuts solid or stranded wire.



Number	L inch	L mm	Be - Cu g	Al - Cu g
257B - 1002	8	200	225	205

No.258 Tweezers, Neat Tips



- Q/ZBF-258 Die forged
- Pick up small objects like metal particles.

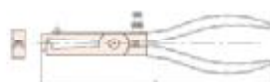


Number	L mm	Al - Cu g	Be - Cu g
258 - 1002	150	30	25
258 - 1004	200	50	40

No.257C Wire Stripping Pliers



- QB/T 2207 Die forged
- Remove insulation without damaging the conductor.



Number	L mm	Be - Cu g	Al - Cu g
257C - 1002	170	225	205

No.258A Tweezers, Flat Nose



- Q/ZBF-258A Die forged
- Pick up small objects like metal particles.



Number	L mm	B mm	Al - Cu g	Be - Cu g
258A - 1002	100	8	30	25
258A - 1004	200	15	65	55

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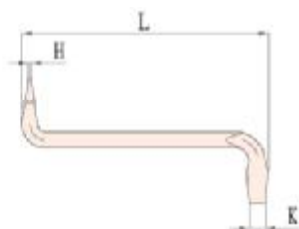


PERFECT MATERIAL
KEEP 100% QUALIFIED

No.259 Slotted Offset Screwdriver



- DIN 5200 Cold Rolled
- A screwdriver with the head set perpendicular to the shaft for access to screws in otherwise awkward places.



Number	L mm	H mm	K mm	Be - Cu g	Al - Cu g
259 - 1002	72	1	6	25	23
259 - 1004	125	1.5	8	55	50
259 - 1006	196	1.5	10	135	124

No.259A Phillips Offset Screwdriver



- Q/ZBF-259A Cold Rolled
- A screwdriver with the head set perpendicular to the shaft for access to screws in otherwise awkward places.

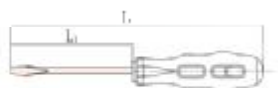


Number	L mm	size	Be - Cu g	Al - Cu g
259A - 1002	120	1# *2#	50	45

No.260 Slotted Screwdriver



- ISO 2380 Cold Rolled
- Fasten and unload slotted bolt.

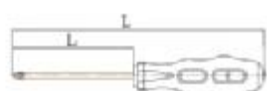


Number	L ₁ inch	L ₁ mm	L mm	H mm	B mm	Be - Cu g	Al - Cu g
260 - 1002	2	50	134	0.4	3	35	33
260 - 1004	2	50	134	0.5	4.5	43	40
260 - 1006	3	75	159	0.4	3	35	32
260 - 1008	3	75	159	0.5	4	45	42
260 - 1010	3	75	180	0.6	5	70	65
260 - 1012	4	100	184	0.5	4	45	42
260 - 1014	4	100	205	0.6	5	75	70
260 - 1016	4	100	215	0.8	6	85	80
260 - 1018	5	125	240	0.8	6	100	95
260 - 1020	6	150	265	0.8	6	110	105
260 - 1022	6	150	265	1	7	125	120
260 - 1024	6	150	277	1.2	8	140	135
260 - 1026	8	200	327	1.2	8	165	155
260 - 1028	10	250	377	1.4	9	185	175
260 - 1030	10	250	377	2	11	260	245
260 - 1032	12	300	427	1.8	10	245	230
260 - 1034	12	300	427	2	11	290	275
260 - 1036	14	350	477	2	11	320	300
260 - 1038	16	400	550	2.4	12	450	430

No.261 Phillips Screwdriver

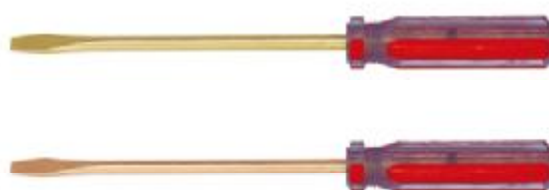


- ISO 8764 Cold Rolled
- Fasten and unload phillips bolts(screw nail).

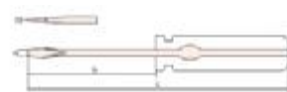


Number	L ₁ inch	size	L ₁ mm	L mm	Φ mm	Be - Cu g	Al - Cu g
261 - 1002	2	0	50	134	3	35	32
261 - 1004	3	1	75	159	4	70	63
261 - 1006	4	1	100	205	5	75	70
261 - 1008	5	2	125	240	6	100	95
261 - 1010	6	2	150	265	6	110	105
261 - 1012	8	3	200	327	8	165	155
261 - 1014	10	3	250	377	8	185	170
261 - 1016	12	4	300	427	9	245	230
261 - 1018	14	4	350	477	9	270	255
261 - 1020	16	4	400	550	9	295	280
261 - 1022	18	4	450	600	9	320	300

No.263 Slotted Screwdriver



- Q/ZBF-263 Cold Rolled
- Fasten and unload slotted bolt, the handle can be striken.

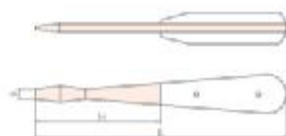


Number	L ₁ inch	L ₁ mm	L mm	H mm	B mm	Be - Cu g	Al - Cu g
263 - 1002	2	50	108	0.4	3	35	32
263 - 1004	3	75	133	0.5	3	48	44
263 - 1006	3	75	153	0.5	4	50	45
263 - 1008	3	75	153	0.6	5	51	46
263 - 1010	4	100	178	0.5	4	60	55
263 - 1012	4	100	178	0.6	5	71	65
263 - 1014	4	100	193	0.8	6	77	70
263 - 1016	6	150	243	1	7	115	105
263 - 1018	8	200	305	1.2	8	197	180
263 - 1020	10	250	355	1.4	9	221	202
263 - 1022	12	300	420	1.8	10	304	278
263 - 1024	14	350	470	2	11	365	335

No.262 Screwdriver



- Q/ZBF-262 Die forged
- Fasten and unload slotted bolts(screw nail).



Number	L mm	L ₁ mm	B mm	Be - Cu g	Al - Cu g
262 - 1002	200	100	8	135	125
262 - 1004	250	110	8	220	204
262 - 1006	300	160	10	305	275
262 - 1008	500	350	11	505	461

No.263A Electrician Screwdriver



- Q/ZBF-263A Cold Rolled
- Fasten and unload electrician slotted bolt



Number	L ₁ inch	L ₁ mm	L mm	H mm	B mm	Be - Cu g	Al - Cu g
263A - 1002	2	50	134	0.4	3	37	35
263A - 1004	4	100	184	0.5	4	47	45
263A - 1006	4	100	215	0.8	6	95	90
263A - 1008	6	150	277	1.2	8	145	135
263A - 1010	8	200	327	1.8	10	230	210

No.263B Driver Hex Nut



- Q/ZBF-263B Die forged
- Fasten and unload Hex blot.Hex nut in the narrow place that hand can not touch.



Number	L ₁ mm	L mm	S mm	Be - Cu g	Al - Cu g
263B - 1002	90	205	6	85	81
263B - 1004	100	215	8	100	85
263B - 1006	110	225	10	140	130
263B - 1008	110	237	13	185	172
263B - 1010	120	247	16	220	205
263B - 1012	120	247	17	230	218

No.264 Pozidriv Screwdriver



- GB/T 5358 Cold Rolled
- Fasten and unload Pozidriv bolt.



Number	L ₁ inch	Size	L ₁ mm	L mm	Be - Cu g	Al - Cu g
264 - 1002	2	0	50	134	35	33
264 - 1004	3	1	75	159	45	42
264 - 1006	4	2	100	220	85	80
264 - 1008	6	3	150	277	145	135
264 - 1010	8	4	200	327	230	210

No.264A Torx Screwdriver



- ISO 8764 Cold Rolled
- Fasten and unload torx bolt



Number	size	L ₁ mm	L mm	Be - Cu g	Al - Cu g
264A - 1002	T10*75	75	180	70	63
264A - 1004	T15*75	75	180	70	63
264A - 1006	T20*100	100	215	100	95
264A - 1008	T25*125	125	240	105	100
264A - 1010	T30*150	150	265	110	100
264A - 1012	T40*200	200	327	165	155
264A - 1014	T45*250	250	377	185	175
264A - 1016	T50*300	300	427	205	195
264A - 1018	T55*350	350	477	245	225
264A - 1020	T60*400	400	527	280	255



No.264B Screwdriver Bits



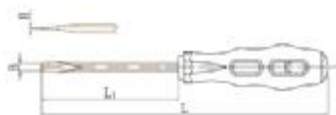
- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	size
264B - ①	4.5mm, 6.5mm, 8mm
264B - ②	1#, 2#, 3#, 4#
264B - ③	1#, 2#, 3#, 4#
264B - ④	3mm, 4mm, 5mm, 6mm, 7mm, 10mm
264B - ⑤	T10, T15, T20, T25, T27, T30, T40

No.265 Insulated Slotted Screwdriver



- Cold Rolled
- Insulated 1000V, fasten and unload slotted bolt in electriferous atmosphere.

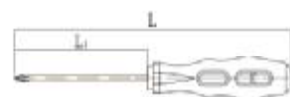


Number	L ₁ inch	L ₁ mm	L mm	H mm	B mm	Be - Cu g	Al - Cu g
265-1002	2	50	134	0.4	3	35	33
265-1004	2	50	134	0.5	4.5	43	40
265-1006	3	75	159	0.4	3	35	32
265-1008	3	75	159	0.5	4	45	42
265-1010	3	75	180	0.6	5	70	65
265-1012	4	100	184	0.5	4	45	42
265-1014	4	100	205	0.6	5	75	70
265-1016	4	100	215	0.8	6	85	80
265-1018	5	125	240	0.8	6	100	95
265-1020	6	150	265	0.8	6	110	105
265-1022	6	150	265	1	7	125	120
265-1024	6	150	277	1.2	8	140	135
265-1026	8	200	327	1.2	8	165	155
265-1028	10	250	377	1.4	9	185	175
265-1030	10	250	377	2	11	260	245
265-1032	12	300	427	1.8	10	245	230
265-1034	12	300	427	2	11	290	275
265-1036	14	350	477	2	11	320	300
265-1038	16	400	550	2.4	12	450	430

No.266 Insulated Phillips Screwdriver



- Cold Rolled
- Insulated 1000V, fasten and unload phillips bolt in electriferous atmosphere.



Number	L ₁ inch	size	L ₁ mm	L mm	Φ mm	Be - Cu g	Al - Cu g
266-1002	2	0	50	134	3	35	32
266-1004	3	1	75	159	4	70	63
266-1006	4	1	100	205	5	75	70
266-1008	5	2	125	240	6	100	95
266-1010	6	2	150	265	6	110	105
266-1012	8	3	200	327	8	165	155
266-1014	10	3	250	377	8	185	170
266-1016	12	4	300	427	9	245	230
266-1018	14	4	350	477	9	270	255
266-1020	16	4	400	550	9	295	280
266-1022	18	4	450	600	9	320	300

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英洲
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品

EPIGRAPH BY STATE LEADER

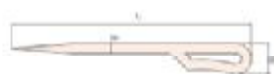
NATIONAL PATENT
No.ZL200310109687.4



No.267 Marking Tool



- Q/ZBF-267 Die forged
- Punch hole on the rubber plate, carton plate etc.



Number	L mm	H mm	Φ mm	Be - Cu g	Al - Cu g
267 - 1002	400	40	12	502	445
267 - 1004	600	50	16	1152	1036

No.269 Awl



- Q/ZBF-269 Cold Rolled
- Mark hole on the plastic plate, carton plate etc to be location.

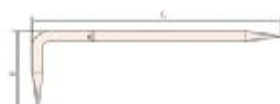


Number	L ₁ inch	L ₁ mm	Φ mm	L mm	Be - Cu g	Al - Cu g
269 - 1002	4	100	3	184	50	45

No.268 Marking Tool



- Q/ZBF-268 Cold Rolled
- Mark hole on the plastic plate, carton plate to be location.

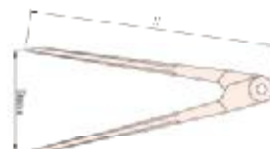


Number	L mm	H mm	Φ mm	Be - Cu g	Al - Cu g
268 - 1002	187	32	4	15	10
268 - 1004	252	42	4	20	15

No.269A Dividers



- JB/T 3411.54 Die forged
- Used for drawing circles, measuring distances or chart etc.

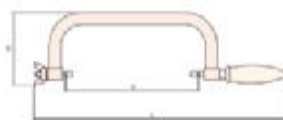


Number	D _{max} mm	H mm	Be - Cu g	Al - Cu g
269A - 1002	200	200	170	150
269A - 1004	400	400	400	360

No.270 Hacksaw Frame



- QB/T 1100 Precision Casting
- Installed hacksaw blade, cut rubber plastic, aluminium pipe etc.

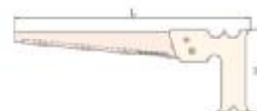


Number	L mm	D mm	H mm	Be - Cu g	Al - Cu g
270 - 1002	500	300	110	645	590

No.272 Hand Saw



- QB/T 2094.5 Cold Rolled
- Sawing the narrow hole and small parts.



Number	L mm	H mm	Be - Cu g	Al - Cu g
272 - 1002	370	114	125	265

No.271 Hacksaw Blade



- QB/T 14764 Cold Rolled
- Installed on hacksaw frame, cut rubber, plastic, aluminium pipe etc.



Number	L mm	B mm	Be - Cu g
271 - 1002	300	12	32

No.272A Hand Saw



- QB/T 2094.5 Cold Rolled
- Sawing expensive wood and soft material.

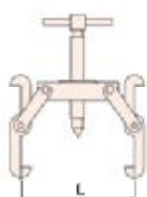


Number	L mm	H mm	Be - Cu g	Al - Cu g
272A - 1002	700	35	555	520

No.273 3 Leg Gear Puller



- JB/T 3411.51 Die forged
- Unload bearing gear,connector, change belt wheel etc.

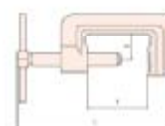


Number	L _{max} mm	Be - Cu g	Al - Cu g
273 - 1002	100	3280	2990
273 - 1004	150	4050	3675
273 - 1006	200	5990	5430
273 - 1008	350	12350	11230

No.274 Clamp



- JB/T 3411.49 Die forged
- Fastening tool.

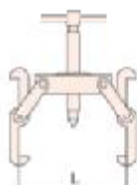


Number	L mm	K mm	B mm	Be - Cu g	Al - Cu g
274 - 1002	210	60	36	1200	1080
274 - 1004	250	80	36	1400	1270
274 - 1006	290	100	36	1610	1460
274 - 1008	340	150	50	2155	1970

No.273A 2 Leg Gear Puller



- JB/T 3411.50 Die forged
- Unload non-circular machine parts instead of 3 leg gear puller.

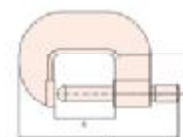


Number	L _{max} mm	Be - Cu g	Al - Cu g
273A - 1002	100	2765	2500
273A - 1004	150	3450	3120
273A - 1006	200	5130	4640
273A - 1008	350	10560	9545

No.274A Clamp



- Q/ZBF-274A Precision Casting
- Fastening tool.

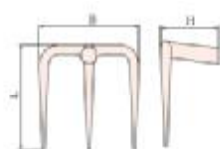


Number	L mm	K mm	B mm	Be - Cu g	Al - Cu g
274A - 1002	76	19	19	200	180
274A - 1004	290	115	75	5600	5000
274A - 1006	370	165	90	11100	10000

No.275 Fork, Three Prong



- Q/ZBF-275 Precision Casting
- Unclogging and readjusting tool.

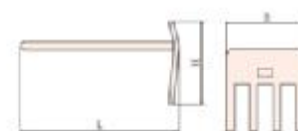


Number	L m m	B m m	H m m	Be - Cu g	Al - Cu g
275 - 1002	185	200	125	1690	1540

No.277 Cleaning Rust Rake



- Q/ZBF-277 Precision Casting
- Unclogging and readjusting tool.

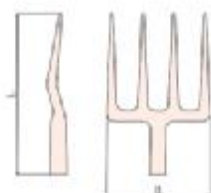


Number	L m m	H m m	B m m	Be - Cu g	Al - Cu g
277 - 1002	350	105	98	1050	950

No.276 Fork, Four Prong



- Q/ZBF-276 Precision Casting
- Unclogging and readjusting tool.

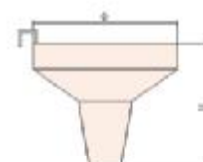


Number	L m m	B m m	Be - Cu g	Al - Cu g
276 - 1002	327	200	2150	1965

No.278 Oil Funnel



- Q/ZBF-278 Cold Rolled
- Channel liquids to the vessel with small mouth.

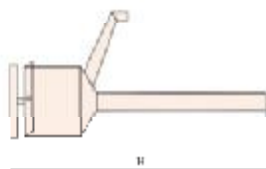


Number	Φ m m	H m m	Be - Cu g	Al - Cu g
278 - 1002	160	130	260	280
278 - 1004	160	150	260	280

No.279 Portable Oil Pump



- Q/ZBF-279 Cold Rolled
- Dip up the liquids from the deep place.

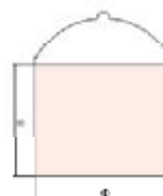


Number	Φ m m	H m m	 g
279 - 1002	165	1100	2315

No.281 Bucket

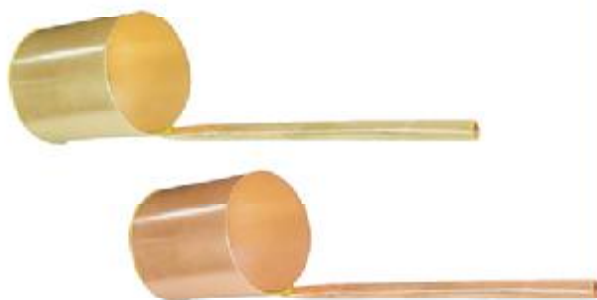


- Q/ZBF-281 Cold Rolled
- Store the liquids.

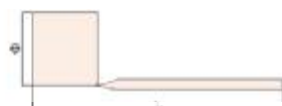


Number	Φ m m	H m m	 g
281 - 1002	270	248	1515

No.280 Oil Dipper



- Q/ZBF-280 Cold Rolled
- Dip up the liquids.

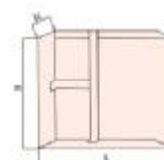


Number	Φ m m	L m m	 g
280 - 1002	85	350	163

No.282 Dustpan



- Q/ZBF-282 Cold Rolled
- Gather granular thing and trash.

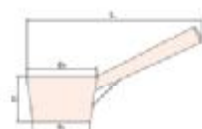


Number	L m m	B m m	H m m	 g
282 - 1002	150	130	20	130
282 - 1004	200	200	50	335
282 - 1006	270	250	50	635

No.283 Scoop, Sugar



- Q/ZBF-283 Cold Rolled
- Scoop all kinds of granular thing and liquids.

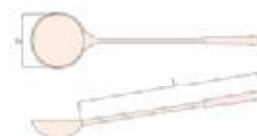


Number	L m m	H m m	Φ ₁ m m	Φ ₂ m m	g
283 - 1002	350	90	160	135	580

No.283B Scoop



- Q/ZBF-283B Cold Rolled
- Scoop all kinds of granular things and liquids.

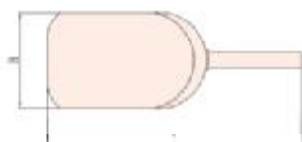


Number	Φ m m	L m m	Be - Cu g	Al - Cu g
283B - 1002	112	500	1220	1100

No.283A Scoop, Sugar



- Q/ZBF-283A Cold Rolled
- Gather granular thing.



Number	B m m	L m m	g
283A - 1002	75	200	200
283A - 1004	140	360	645

No.283C Strainer



- Q/ZBF-283C Cold Rolled
- Take something from the liquids.

Number	Φ m m	L m m	g
283C - 1002	300	600	1800

No.284 Brush, Flat Back, Scratch



- Q/ZBF-284 Wire Drawing
- Cleaning the metal surface.



Number	L*B m m	Rows	H m m	 g
284 - 1002	205*48	6*16	41	260

No.285A Brush



- Q/ZBF-285A Wire Drawing
- Cleaning the metal surface.



Number	L*B m m	Rows	H m m	 g
285A - 1002	350*28	4*19	30	150

No.285 Brush



- Q/ZBF-285 Wire Drawing
- Cleaning the metal surface.



Number	L*B m m	Rows	H m m	 g
285 - 1002	290*29	4*16	28	115

No.286 Brush



- Q/ZBF-286 Wire Drawing
- Cleaning the metal surface.

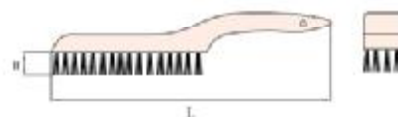


Number	L*B m m	Rows	H m m	 g
286 - 1002	215*29	6*15	15	30

No.286A Brush, Shoe Handle



- Q/ZBF-286A Wire Drawing
- Cleaning the metal surface.



Number	L m m	Rows	H m m	 g
286A - 1002	255	4*16	30	180

No.286B Brush,spark-plug cleaning



- Q/ZBF-286B Wire Drawing
- Cleaning the metal surface.



Number	L m m	Rows	H m m	 g
286B-1002	196	3*7	13	20

No.286D Scrubbing Broom,round wire



- Q/ZBF-286D Wire Drawing
- Cleaning the metal surface.



Number	L m m	Rows	H m m	 g
286D-1002	210	6*17	40	500

No.286C Broom,Round Wire



- Q/ZBF-286C Wire Drawing
- Cleaning the metal surface.



Number	L m m	Rows	H m m	 g
286C-1002	310	6*25	55	1550

No.287 Brush,Tube



- Q/ZBF-287 Wire Drawing
- Cleaning the metal surface.



Number	Φ m m	L ₁ m m	L m m	 g
287-1002	20	100	320	100

No.288 Brush,Wheel



- Q/ZBF-288 Wire Drawing
- Cleaning the metal surface.

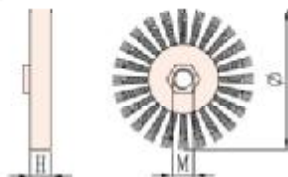


Number	Φ m m	H m m	Φ_1 m m	 g
288-1002	75	10	6	140

No.289 Wheel Brush,knot Wire



- Q/ZBF-289 Wire Drawing
- Cleaning the metal surface.

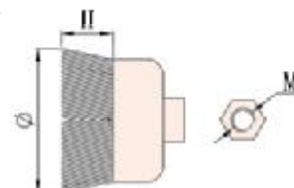


Number	Φ mm	H mm	Φ ₁ mm	g
289-1002	125	15	14	440

No.290 Brush,Cup



- Q/ZBF-290 Wire Drawing
- Cleaning the metal surface.

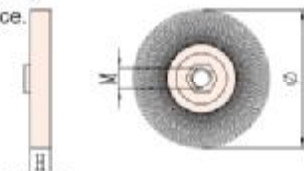


Number	Φ mm	H mm	M mm	g
290-1002	100	30	14	480

No.289A Brush,Wheel,Crimped Wire



- Q/ZBF-289A Wire Drawing
- Cleaning the metal surface.

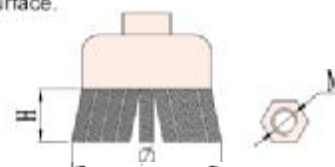


Number	Φ mm	H mm	M mm	g
289A-1002	125	15	14	320

No.290A Cup Brush,knot wire



- Q/ZBF-290A Wire Drawing
- Cleaning the metal surface.

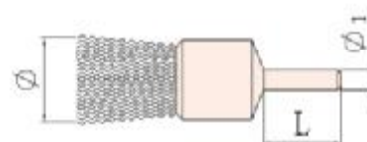


Number	Φ mm	H mm	M mm	g
290A-1002	100	30	14	580

No.290B Brush,End



- Q/ZBF-290B Wire Drawing
- Cleaning the metal surface.

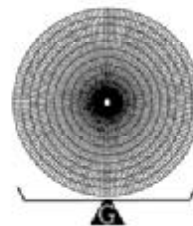


Number	Φ mm	L mm	Φ ₁ mm	g
290B-1002	26	25	6	120

No.290C Brush, Ball



- Q/ZBF-290C Wire Drawing
- Cleaning the metal surface.



Number	g
290C - 1002	25

No.291 Hoe



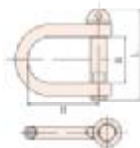
- Q/ZBF-291 Precision Casting
- Excavating soil or run sands and stones.

Number	B m m	H m m	Be - Cu g	Al - Cu g
291 - 1002	130	130	1080	970
291 - 1004	200	200	1780	1600

No.292 Shackle



- Q/ZBF-292 Precision Casting
- Connect wire rope or chain, unload easily.



Number	Size	K m m	L m m	H m m	Be - Cu g	Al - Cu g
292 - 1002	1/2	30	60	40	135	130
292 - 1004	3/4	37	99	78	915	830

No.293 Manual Portable Oil Pump



- Q/ZBF-293 Precision Casting
- Drawing all kinds of liquids oil.

Number	L m m	Be - Cu g	Al - Cu g
293 - 1002	1350	6000	5700

No.294 Barrel Hook, Adjustable



- Q/ZBF-294 Precision Casting
- Pick up the oil bucket



Number	H kg	K mm	Be - Cu g	Al - Cu g
294 - 1002	700	1060	3300	3050

No.296 Rake



- Q/ZBF-296 Precision Casting
- Planishing tools.

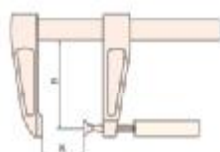


Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
296 - 1002	1270	350	100	2080	1935
296 - 1004	1275	450	120	2300	2135

No.295 Screw Clamp



- Q/ZBF-295 Die forged
- Clamping or fixing tools.



Number	B mm	K _{max} mm	Be - Cu g	Al - Cu g
295 - 1002	120	400	2395	2200

No.297 Chisel



- QB/T 1201 Die forged
- Woodworking tool.

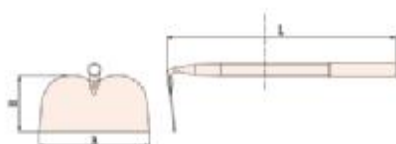


Number	B mm	L mm	Be - Cu g	Al - Cu g
297 - 1002	14	280	200	180
297 - 1004	18	320	270	250

No.298 Rake



- Q/ZBF-298 Precision Casting
- Planishing tools.



Number	B mm	H mm	Be - Cu g	Al - Cu g
298 - 1002	300	150	1550	1400

No.299 Rake

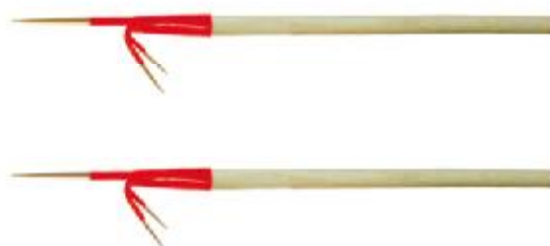


- Q/ZBF-299 Precision Casting
- Planishing tools.



Number	L mm	B mm	H mm	Be - Cu g	Al - Cu g
299 - 1002	780	160	80	670	600

No.300 Fire Hook

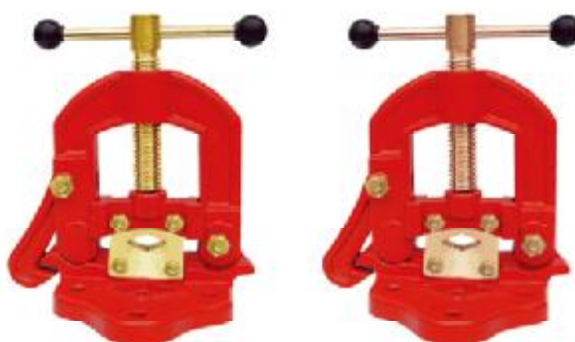


- Q/ZBF-300 Precision Casting
- Fire-fighting tool.

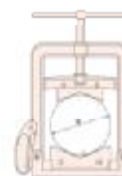


Number	L mm	L ₁ mm	Be - Cu g	Al - Cu g
300 - 1002	270	1215	1365	1300

No.301 Self Locking Pipe Vice



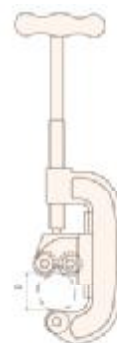
- QB/T 2211 Precision Casting
- Fixing or Cutting pipe.



Number	D mm	Be - Cu g	Al - Cu g
301 - 1002	10 - 60	4870	4425
301 - 1004	10 - 90	10350	9420
301 - 1006	15 - 115	15300	13900
301 - 1008	30 - 220	30600	27800
301 - 1010	30 - 300	38000	35000

No.305 Pipe Cutter

- QB/T 2350 Precision Casting
- Cutting the pipe.



Number	D inch	D mm	Be - Cu g	Al - Cu g
305 - 1002	2	50	2210	2010
305 - 1004	3	75	4070	3700

No.306 Hydraulic Pallet Truck



- Q/ZBF-306 Precision Casting
- Carrying and Lifting all kinds of machine etc.



Number	Load(kg)	L (mm)	H (mm)	B ₁ (mm)	B ₂ (mm)
306 - 1002	2000	1190	1240	160	545
h ₁ (mm)	h ₂ (mm)	Φ ₁ (inch)	Φ ₂ (inch)	Weight(kg)	
90	190	7	3	132	

No.307 Trolley For Chain Hoist (Pull Type)



- JB/T 7332 Die forged
- Designed to combine with chain hoist to form a lifting machine.
- Moving along the slide-way of the I-Beam, easy to be pulled by hand.

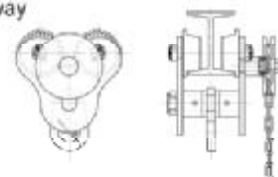
Size: FBGCL

Number	Capacity T	Lifting m	I-Beam Width m	kg
307-1002	0.5	2.5	68-94	16.5
307-1004	1	2.5	68-100	20
307-1006	2	2.5	94-124	26
307-1008	3	3	116-140	27.5
307-1010	5	3	142-180	34
307-1012	10	3	142-180	68
307-1014	16	3	142-180	170

No.307B Trolley For Chain Hoist (Pull Type)



- JB/T 7332 Die forged
- Designed to combine with chain hoist to form a lifting machine.
- Moving along the slide-way of the I-Beam, easy to be pulled by hand.



Size: FBGCL

Number	Capacity T	Lifting m	I-Beam Width m	kg
307B-1002	0.5	2.5	68-94	12.5
307B-1004	1	2.5	68-100	14.5
307B-1006	2	2.5	94-124	22.3
307B-1008	3	3	116-140	24
307B-1010	5	3	142-180	34
307B-1012	10	3	142-180	68
307B-1014	16	3	142-180	170
307B-1016	20	3	142-180	170

No.307A Trolley For Chain Hoist (Push Type)



- JB/T 7332 Die forged
- Designed to combine with chain hoist to form a lifting machine.
- Moving along the slide-way of the I-Beam, easy to be pulled by hand.

Size: FBGCT

Number	Capacity T	I-Beam Width m	kg
307A-1002	0.5	68-94	13
307A-1004	1	68-100	16.5
307A-1006	2	94-124	22
307A-1008	3	116-140	23.5

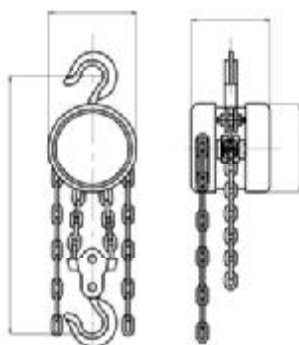
No.303 Chain Hoist



National Patent ZL200310109687.4



- JB/T 7334 Die forged
- The simple lifting machine, used for lifting or lowering heavy loads.



Size: FBHS

Number	Capacity T	Lifting m	kg
308-1002	0.5	2.5	10.2
308-1004	1	2.5	13.6
308-1006	2	2.5	22
308-1008	3	3	23.6
308-1010	5	3	36
308-1012	10	3	68.5
308-1014	16	3	187

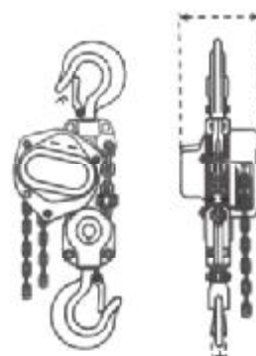
No.308A Chain Hoist



National Patent ZL201120572396.9



- Q/ZBF-308A Die forged
- The simple lifting machine, used for lifting or lowering heavy loads.



Size: FBHSA

Number	Capacity T	Lifting m	kg
308A-1002	0.5	2.5	11.4
308A-1004	1	2.5	18.4
308A-1006	2	2.5	27.9
308A-1008	3	3	28.3
308A-1010	5	3	54



Die forged hook blanks



Die forged components blanks

The hooks and components of the Non-sparking chain hoist are die-forged making, high density, durable and strong. We can successfully avoid the defects like pores, sand holes and shrinkage cavity by adopting the advanced technology.



No.308B Ratchet lever Hoist



- Q/ZBF-308B Die forged
- The ratchet lever hoist is a versatile tool used in a wide variety of applications, both in industry and in the private sector. Its versatility allows it to be used in confined spaces, and also allows for heavy loads to be maneuvered and positioned safely and efficiently.

Number	Capacity T	Lifting m	kg
308B - 1002	0.75	1.5	7.7
308B - 1004	1.5	1.5	11.8
308B - 1006	3	1.5	21



No.308C Come Along



- Q/ZBF-308C Die forged
- Used to strain wires in overhead line construction.

Number	Size T	kg
308C - 1002	1	3
308C - 1004	2	4.5
308C - 1006	3	6.3

No.309 Torque Wrench



- GB/T 15729 Die forged
- Used to precisely apply a specific torque to fasteners like bolts and nuts.

Number	C inch	Torque N . m	L mm	Be - Cu g	Al - Cu g
309 - 1002	3/8	100	310	600	540
309 - 1004	1/2	300	490	1340	1210
309 - 1006	3/4	500	560	2050	1930

No.310 Flange Prop



- Q/ZBF-310 Die forged
- Unloading or welding the flange.

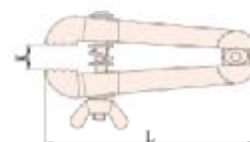


Number	Size mm	Be - Cu g	Al - Cu g
310 - 1002	FZ M 16 - 24	7300	6600
310 - 1004	FZ M 27 - 36	9900	9000

No.311A Chisel



- Q/ZBF-311A Precision Casting
- Clamping the small parts.



Number	K mm	L mm	Be - Cu g	Al - Cu g
311A - 50	50	165	915	830

No.311 Parallel Vice



- QB/T 1585.2 Precision Casting
- Bench tool, clamping the parts.

Number	B mm	K _{max} mm	Be - Cu g	Al - Cu g
311 - 1002	90	90	8150	7400
311 - 1004	125	125	19550	16800
311 - 1006	150	150	30000	26500
311 - 1008	170	170	30300	27400

No.312 Drill Bit



- Q/ZBF-312 Die forged
- It is a cutting tools used to create cylindrical holes.

Number	Φ mm	L mm	Be - Cu g
312 - 1002	6	100	20
312 - 1004	7	120	30
312 - 1006	8	140	50
312 - 1008	9	160	75
312 - 1010	10	180	100
312 - 1012	11	200	120
312 - 1014	12	220	170
312 - 1016	13	240	220
312 - 1018	14	260	280
312 - 1020	15	280	360
312 - 1022	16	300	440
312 - 1024	17	300	500
312 - 1026	18	320	600
312 - 1028	19	320	700
312 - 1030	20	330	800

No.313 Releasing Static Device



- Q/ZBF-313 Die forged
- Applied to eliminate human static in flammable and explosive environment.

Number	L m m	D m m	Al - Cu g
313 - 1002	1150	65	3700

No.313A Releasing Static Device



- Q/ZBF-313A Die forged
- Applied to eliminate human static in flammable and explosive environment.

Number	L m m	D m m	Al - Cu g
313A - 1002	1150	65	3800

Instruction:

Before entering flammable or explosive hazardous atmosphere, switch on the static discharger and touch the ball head on the top. If the human static electricity voltage exceeds safety level, the indicator light will turns red and the buzzer alarms automatically. Then continuously touch the ball for 10 to 15 seconds till nothing happens, the human body are in secure state.



No.313B Releasing Static Device



Number	L mm	D mm	Al - Cu g
313B - 1002	1100	80	3600

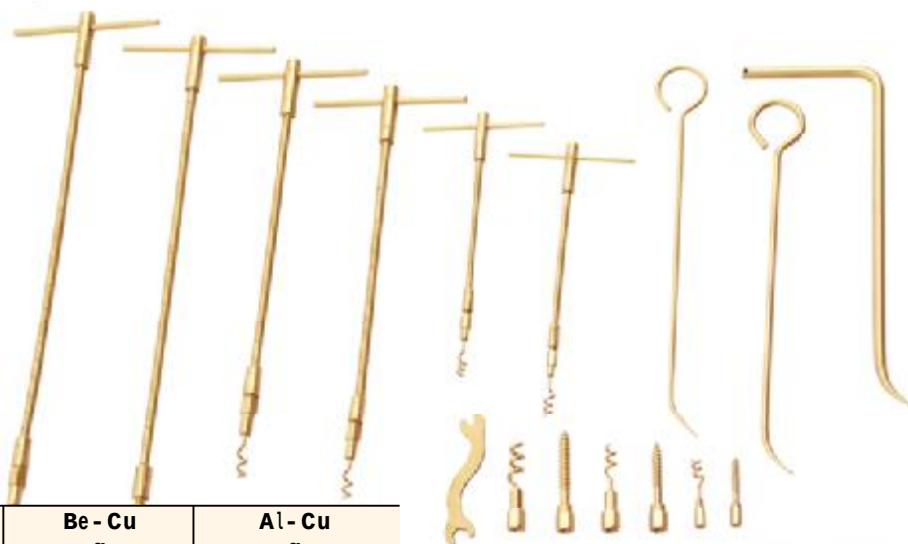
- Q/ZBF-313B Die forged
- Applied to eliminate human static in flammable and explosive environment

No.314 Screw Jack



Number	Model	Capacity T	MIN. H m	Lifting m
314 - 1002	FBQL3/2	3.2	220	110
314 - 1004	FBQL 5	5	250	130
314 - 1006	FBQL10	10	280	150
314 - 1008	FBQL16	16	320	180

No.315 Packing tool



Number	Be - Cu g	Al - Cu g
315 - 1002	900	800

- Q/ZBF-315 Die forged
- Tools used for drawing and fitting packing.



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H



PERFESSIONAL TOOL SET FOR OIL STATION,GAS & OIL
TRANSPORT & REPAIR IN EXPLOSIVE ATMOSPHERE

No.A Double Open End Wrench Set



Tools	Description m m
No. A - 9	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 30*32
No. A - 10	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32
No. A - 11	8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32
No. A - 13	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32

No.C Double Box Offset Wrench Set



Tools	Description m m
No. C - 9	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 30*32
No. C - 10	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32
No. C - 11	8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32
No. C - 13	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32

No.B Combination Wrench Set



Tools	Description m m
No. B - 9	8, 10, 12, 14, 17, 19, 22, 24, 27
No. B - 10	10, 12, 14, 17, 19, 22, 24, 27, 30, 32
No. B - 11	8, 10, 12, 14, 17, 19, 22, 24, 27, 30, 32
No. B - 13	8, 10, 12, 13, 14, 16, 17, 19, 22, 24, 27, 30, 32

No.D-15 Drill Bit Set-15pcs



L*W*H: 400*290*70mm

Tools	Description
Drill Bit	6*100mm, 7*120mm, 8*140mm, 9*160mm, 10*180mm, 11*200mm, 12*220mm, 13*240mm, 14*260mm, 15*280mm, 16*300mm, 17*300mm, 18*320mm, 19*320mm, 20*330mm

No.E-9 Tool Set-9pcs



L*W*H: 400*290*90mm

Tools	Description
Wrench, Adjustable	300mm
Pliers, Lineman	200mm
Pliers, Groove Joint	250mm
Slotted Screwdriver	150mm, 200mm
Phillips Screwdriver	150mm, 200mm
Hammer, Cross Pein Engineers	1kg
Knife, Putty	50mm*200mm

No.F-15 Tool Set-15pcs



L*W*H: 400*290*90mm

Tools	Description
Wrench, Double Open End	8*10mm, 10*12mm, 12*14mm, 14*17mm, 17*19mm, 19*22mm, 22*24mm, 24*27mm, 30*32mm
Wrench, Adjustable	250mm
Pliers, Lineman	200mm
Pliers, Snipe Nose	200mm
Slotted Screwdriver	200mm
Phillips Screwdriver	200mm
Hammer, Ball Pein	0.91kg

No.G-16 Tool Set-16pcs



Tools	Description
Wrench, Double Box	8*10, 10*12, 14*17, 19*22mm
Wrench, Adjustable	250mm
Wrench, Pipe	350mm
Pliers, Water Pump	250mm
Pliers, Adjustable, Combination	150mm, 200mm
Slotted Screwdriver	150mm
Phillips Screwdriver	150mm
Hammer, Claw	0.45kg
Knife, Putty	25*200mm
Knife, Common	250mm
Scraper, Deck	45*300mm
Brush	4*16mm

No.H-17 Tool Set-17pcs



Tools	Description
Wrench, Pipe	350 m m
Wrench, Adjustable	200 m m , 300 m m
Wrench, Combination	14 m m , 17 m m , 19 m m , 22 m m , 24 m m , 27 m m
Pliers, Lineman	200 m m
Pliers, Long Nose	200 m m
Pliers, Adjustable Combination	200 m m
Punch, Machinists	Φ 18*160 m m
Chisel, Flat	Φ 18*160 m m
Slotted Screwdriver	150 m m
Phillips Screwdriver	150 m m
Hammer, Ball Pein	0.91 Kg

No.I-26 Tool Set-26pcs



Tools	Description
Chisel Flat	18*180 m m
Wrench, Adjustable	150 m m
Pliers, Lineman	200 m m
Pliers, Adjustable Combination	200 m m
Pliers, Snipe Nose	150 m m
Phillips Screwdriver	150 m m , 200 m m
Slotted Screwdriver	150 m m , 200 m m
Socket(1/2 ") Dr	8 m m , 10 m m , 12 m m , 14 m m , 17 m m
Sliding T Handle	1/2 " *250 m m
Hammer, Testing	0.15kg
Wrench, Combination	8 m m , 10 m m , 12 m m , 14 m m , 17 m m
Wrench, Hex Key	4 m m , 5 m m , 6 m m , 8 m m , 10 m m

No.J-26 Tool Set-26pcs



L*W*H:650*400*140m m

Tools	Description
Wrench, Pipe	450 m m , 250 m m
Wrench, Adjustable	375 m m , 300 m m 200 m m , 150 m m
Hammer, Ball Pein	0.91kg
Pliers, Lineman	200 m m
Pliers, Snipe Nose	200 m m
Slotted Screwdriver	400 m m , 200 m m
Phillips Screwdriver	400 m m , 200 m m
Valve Handle	500 m m
Wrench, Double Box	30*27 m m , 27*24 m m , 24*22 m m , 22*19 m m , 19*17 m m , 17*14 m m
Wrench, Double Open End	30*32 m m , 27*30 m m , 24*27 m m , 22*24 m m , 19*22 m m , 17*19 m m

No.K-28 Tool Set-28pcs



Tools	Description
Hammer, Sledge	1.8kg
Hammer, Ball Pein	0.91Kg
Hammer, Claw	0.45kg
Wrench, Pipe	300mm, 450mm
Wrench, Adjustable	200mm, 300mm
Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
Pliers, Lineman	200mm
Pliers, Long Nose	200mm
Pliers, Adjustable Combination	200mm
Bar, Pinch	Φ25*300mm
Chisel, Flat	Φ25*300mm
Slotted Screwdriver	100mm, 200mm
Phillips Screwdriver	100mm, 200mm
Valve Handle	400mm

No.L-36 Tool Set-36pcs



L*W*H: 650*450*140mm

Tools	Description
Hammer, Sledge	1.8kg
Hammer, Ball Pein	0.91kg
Wrench, Pipe	450mm
Wrench, Adjustable	150mm, 200mm
Wrench, Combination	10mm, 8mm
Pliers, Lineman	200mm, 150mm
Pliers, Snipe Nose	150mm
Pliers, Adjustable, Combination	200mm
Pliers, Round Nose	150mm
Pliers, Flat Nose	150mm
Pliers, Diagonal Cutting	150mm
Slotted Screwdriver	75mm, 100mm, 150mm, 200mm
Phillips Screwdriver	75mm, 100mm, 150mm, 200mm
Slotted Offset Screwdriver	6*72mm, 8*125mm, 10*196mm
Chisel 8 Point	16*160mm
Shears, Cutting	150mm
Knife, Common	250mm
Knife, Putty	50*200mm
Tweezers, Neat Tips	200mm
Bar	19*500mm
Marking Tool	250mm
Bar, Wrecking	400mm
Hacksaw Frame	500mm
Hacksaw Blade	300mm
Brush, Flat Back, Scratch	6*16mm

No.M-40 Tool Set-40pcs



L*W*H: 570*370*210mm

Tools	Description
Hammer, Sledge	1kg
Hammer, Claw	0.23kg
Hammer, Ball Pein	0.45kg
Wrench, Pipe	200mm
Wrench, Adjustable	150mm, 250mm
Pliers, Lineman	150mm
Pliers, Snipe Nose	150mm
Pliers, Flat Nose	150mm
Pliers, Diagonal Cutting	150mm
Pliers, Adjustable, Combination	150mm
Pincers	200mm
Shears, Cutting	150mm
Slotted Screwdriver	75mm, 100mm, 150mm
Phillips Screwdriver	75mm, 100mm, 150mm,
Slotted Offset Screwdriver	6*72mm, 8*125mm, 10*196mm
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 7mm, 8mm
Chisel, 6 Point	16*160mm
Bar, Wrecking	250mm
Knife, Common	250mm
Knife, Putty	25*200mm
Tweezers, Neat Tips	150mm
File, Triangle	200mm
Hearing Needle	6*250mm
Marking Tool	250mm
Hand Saw	370mm
Hacksaw Frame	500mm
Hacksaw Blade	300mm
Brush	6*16mm

No.N-56 Set-56pcs



L*W*H: 650*450*150mm

Tools	Description
Wrench, Double Open End	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32mm
Wrench, Hex Key	2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm
Slotted Screwdriver	50mm, 75mm, 100mm, 150mm
Phillips Screwdriver	50mm, 75mm, 100mm, 150mm
Wrench, Adjustable	250mm
Tweezers, Neat Tips	150mm
Pliers, Lineman	150mm
Pliers, Snipe Nose	150mm
Pliers, Groove Joint	250mm
Torque Wrench	1/4", 3/8"
1/4" Socket	4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm
3/8" Socket	10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm
Driver Type Handle	1/4"
Ratchet Wrench	3/8"
Straight Joint	3/8"
Driver Extension	3/8" *75mm
Spark Plug	

No.0-50 Tool Set-50pcs



Tools	Description
Hammer, Sledge	1.8kg
Hammer, Ball Pein	0.91kg
Hammer, Claw	0.45kg
Wrench, Pipe	300mm, 450mm
Wrench, Adjustable	200mm*24mm, 300mm*36mm
Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
Pliers, Lineman	200mm
Pliers, Long Nose	200mm
Pliers, Adjustable Combination	200mm
Bar, Pinch	Φ25*300mm
Chisel, Flat	Φ25*300mm
Punch, Machinists	Φ20*300mm
Slotted, Screwdriver	100mm, 200mm
Phillips, Screwdriver	100mm, 200mm
Valve, Handle	400mm
Knife, Common	250mm
Hacksaw Frame	500mm
Hacksaw Blade	300mm
1/2" Socket	10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
Ratchet Wrench	250mm
Driver Extension	125mm, 250mm
Speed Handle	400mm
Sliding T Handle	250mm
Universal Joint	1/2"
Putty Knife	25*200mm

No.P-62 Tool Set-62pcs



Tools	Description
Wrench, Adjustable	200mm, 250mm, 300mm
Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm
Wrench, Combination	3/8" , 1/2" , 9/16" , 5/8" , 11/16" , 3/4" , 13/16" , 7/8" , 1"
Wrench, Pipe	200mm, 350mm
Pliers, Groove Joint	250mm
Pliers, Adjustable, Combination	150mm, 200mm, 200mm
Pliers, Lineman	200mm
Pliers, Snipe Nose	150mm
Slotted Screwdriver	75mm, 100mm, 150mm, 200mm
Phillips Screwdriver	75mm, 100mm, 150mm, 200mm
Bar, Wrecking	400mm
Bar, Pinch	Φ19*500mm
Knife, Common	250mm
Knife, Putty	40*200mm, 50*200mm, 100*200mm
Scraper, Deck	350mm
Wrench, Bung	385mm
Chisel, Flat	16*160mm, 18*200mm
Hammer, Cross Pein Engineers	0.5kg, 1kg
Hammer, Claw	0.45kg
1/2" Socket	8mm, 10mm, 13mm, 14mm, 16mm, 17mm, 19mm, 21mm, 22mm, 26mm
Driver Extension	200mm
Ratchet Wrench	245mm
Hinged Handle	250mm

No.Q-100 Tool Set-100pcs



L*W*H: 625*375*745mm

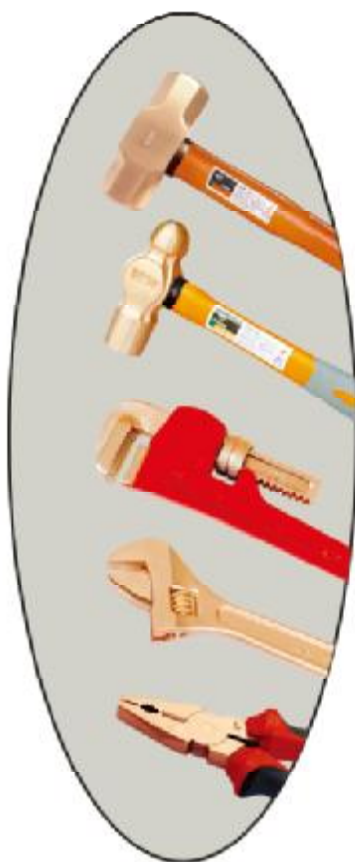


Tools	Description
Hammer, Ball Pein	0.23kg, 0.45kg
Hammer, Claw	0.23kg
Wrench, Adjustable	150mm, 200mm, 250mm
Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
Pliers, Lineman	200mm
Pliers, Snipe Nose	150mm
Pliers, Adjustable Combination	150mm
Pliers, Flat Nose	150mm
Pincers	200mm
Pliers, Round Nose	150mm
Pliers, Diagonal Cutting	200mm
Tweezer, Neat Tips	150mm
Flat 6 Chisel	14*160mm, 16*160mm, 18*160mm
Centre Punch	Φ16*100mm, Φ18*200mm, Φ20*300mm
Punch, Machinists	Φ18*160mm, Φ18*250mm, Φ20*300mm
Slotted Screwdriver	5*75mm, 6*100mm, 7*150mm, 8*200mm, 9*300mm, 10*350mm
Phillips Screwdriver	5*75mm, 6*150mm, 8*250mm, 9*300mm
Knife, Common	250mm
Hacksaw Frame	500mm
Hacksaw Blade	300mm
Hand Saw	370mm
Scraper, Flat	35*350mm
File, Half Round With Handle	200mm
File, Flat With Handle	200mm
File, Square With Handle	200mm
File, Triangle With Handle	200mm
1/4" *3/8" Socket	Set - 20pcs
3/4" *1" Socket	Set - 26pcs
Torch	2"

No.R-120 Tool Set-120pcs



L*W*H:625*375*745mm



Tools	Description
Wrench, Combination	8mm, 10mm, 12mm, 13mm, 14mm, 16mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
Valve Handle	400mm
Hammer, Sledge	1kg, 1.8kg
Hammer, Claw	0.45kg
Hammer, Ball Pein	0.45kg
Wrench, Pipe	150mm, 200mm, 250mm, 300mm, 350mm
Wrench, Adjustable	150mm, 200mm, 250mm, 300mm
Pliers, Lineman	150mm, 200mm
Pliers, Snipe Nose	150mm, 200mm
Pliers, Flat Nose	150mm, 200mm
Pliers, Diagonal Cutting	150mm, 200mm
Pliers, Adjustable, Combination	150mm, 200mm
Pincers	200mm
Shears, Cutting	150mm
Pliers, Groove Joint	250mm
Slotted Screwdriver	75mm, 100mm, 150mm, 200mm
Phillips Screwdriver	75mm, 100mm, 150mm, 200mm
Slotted Offset Screwdriver	6*72mm, 8*125mm, 10*196mm
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm
Chisel 6 Point	16*160mm
Bar, Wrecking	250mm
Wrench, Bung	350mm
Knife, Common	250mm
Knife, Putty	25*200mm
Tweezers, Neat Tips	150mm
File, Triangle	200mm
Hearing Needle	6*250mm
Marking Tool	250mm
Hand Saw	370mm
Hacksaw Frame	500mm
Hacksaw Blade	300mm
Brush	6*16mm
1/2" Dr Socket	Set - 28pcs
3/4" Dr Socket	Set - 21pcs

No.S-176 Tool Set-176pcs



L*W*H:1000*500*665mm

Tools	Description	Quantity
Wrench, Combination	6mm, 8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm	2
Wrench, Single Open End	41mm, 42mm, 44mm, 46mm, 48mm, 50mm, 55mm, 60mm	2
Wrench, Double Open End	8*10mm, 9*11mm, 12*14mm, 13*16mm, 16*18mm, 17*19mm, 20*22mm, 21*23mm, 24*27mm, 30*32mm	2
Wrench, Socket L - Type	8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm	2
Wrench, Hex Key	8mm, 10mm, 12mm, 13mm, 14mm, 17mm, 19mm, 22mm	2
Wrench, Adjustable	200mm, 300mm	2
Slotted Screwdriver	100mm, 150mm, 200mm	2
Phillips Screwdriver	100mm, 150mm, 200mm	2
Pliers, Lineman	200mm	2
Pliers, Groove Joint	250mm	2
Wrench, Striking Box	22mm, 24mm, 27mm, 30mm, 32mm, 34mm, 36mm, 38mm, 41mm, 46mm, 50mm, 55mm, 60mm, 65mm, 70mm, 14*160mm	3
Chisel, Hex 6 Point	14*150mm	3
Punch, Machinists	205*48mm	3
Brush, Flat Back, Scratch	290*29mm	3
Brush	1kg, 1.8kg, 2.7kg, 4.5kg	3
Hammer, Sledge		1

No.S-A Hex Key Wrench Set



Tools	Description
Set - 9	2, 3, 4, 5, 6, 7, 8, 9, 10mm
Set - 11	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12mm
Set - 13	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm



No.T-6 Tool Set-6pcs



Tools	Description
Slotted Screwdriver	5/16 " *3 "
Phillips Screwdriver	# 2*4 "
Wrench, Adjustable	8 "
Crate Opener	230m m
Pliers, Water Pump	10 "
Pliers, Adjustable Combination	6 "

No.V-6 Tool Set-6pcs



Tools	Description
Slotted Screwdriver	5/16 " *3 " , 7/16 " *6 " , 25/64 " *8 "
Phillips Screwdriver	# 1*3 " , # 2*4 " , # 3*6 "

No.U-10 Tool Set-10pcs



Tools	Description
Slotted Screwdriver	5/16 " *3 "
Phillips Screwdriver	# 2*4 "
Wrench, Adjustable	6 " , 10 "
Hammer, Claw	0.45kg
Pliers, Water Pump	10 "
Knife, Putty	1 - 1/4 " *3 - 9/16 "
Knife, Common	3 - 1/8 "
Pliers, Adjustable Combination	6 "
Wrench, Pipe (American Type)	10 "

No.W-21 Tool Set-21pcs



Tools	Description
Socket	5/16 " , 3/8 " , 7/16 " 1/2 " , 9/16 " , 19/32 " , 5/8 " , 11/16 " 3/4 " , 25/32 " , 13/16 " , 7/8 " , 15/16 " 1 " 1-1/16 " , 1-1/8 " , 1-1/4 "
Hinged Handle	1/2 " *250mm
Ratchet Wrench	1/2 " *245mm
Driver Extension	1/2 " *250mm
Sliding Bar	11 "

No.X-16 Tool Set-16pcs



Tools	Description
Slotted Screwdriver	5/16 " *3 "
Phillips Screwdriver	# 3*6 "
Wrench, Adjustable	8 " , 12 "
Hammer, Claw	0.45kg
Crate Opener	230m m
Pliers, Water Pump	10 " , 12 "
Knife, Putty	1-1/4 " *3-9/16 "
Knife, Cimmon	3-1/8 " , 5-3/4 "
Pliers, Snipe Nose	7 "
Pliers, Adjustable Combination	8 "
Scraper, Spray Booth	3 "
Scraper, Deck	380m m
Wrench, Pipe(American Type)	14 "
Wrench, Bung	300m m
Shears, Tin	12 "

No.Y-34 Tool Set-34pcs



Tools	Description
Wrench, Double Open End	6*7, 8*9, 9*11, 10*12, 11*13, 14*15, 16*18, 17*19, 20*22, 21*23, 24*26, 27*30, 32*36,
Wrench, Hex Key	1/16", 3/32", 2m m, 3m m, 4m m, 5m m, 6m m, 8m m, 10m m
Slotted Screwdriver	8*150, 4*100, 4*75, 3*50
Phillips Screwdriver	3*75, 5*100, 6*150,
Tweezers, Neat Tips	150m m
Pliers, Water Pump	250m m
Wrench, Adjustable	250m m
Pliers, Diagonal Cutting	6"
Pliers, Water Pump	6"



No.Z-85 Tool Set-85pcs



Tools	Description
Tweezers, Neat Tips	200 m m
Marking Tool	200 m m
Knife, Com mon	250 m m
Scissors	225 m m
Hacksaw Frame	500 m m
Hacksaw Blade	300 m m
Knife, Putty	40*200
Slotted Screwdriver	3*50、 4.5*150、 6*100
Phillips Offset Screwdriver	8*150、 10*300
Phillips Screwdriver	6*150、 6*130、 10*140
	# 1*75、 # 2*125、 # 3*200
	# 4*300
Pliers, Adjustable Combination	200 m m
Pliers, Flat Nose	150 m m
Pliers, Snipe Nose	150 m m
Pliers, Diagonal Cutting	150 m m
Wire Stripping Pliers	170 m m
Pliers, Round Nose	150 m m
Pliers, Lineman	200 m m
Wrench, Adjustable	150 m m、 250 m m
Wrench, Pipe(American Type)	350 m m
Hammer, Ball Pein	0.45kg
Club Hammer	4p
Chisel, Pneumatic	16*160、 25*230
Bar	16*455
Bar, Wrecking	455 m m
Ratchet Wrench	1/2"*245
Sliding T Handle	1/2"
Driver Extension	1/2"*100, 1/2"*250
Universal Joint	1/2"
Socket	10 m m, 11 m m, 12 m m, 13 m m, 14 m m, 15 m m, 17 m m, 19 m m, 22 m m, 24 m m, 27 m m, 30 m m, 7/16", 1/2", 9/16"
Wrench, Hex Key	5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8"

SERIES OF BRASS & COPPER HAMMER

I



No.2101A Brass Hammer, Sledge



Number	Size lb	L m m	g
2101A - 1002	1	350	450
2101A - 1004	2	400	910
2101A - 1006	3	400	1400
2101A - 1008	4	450	1800
2101A - 1010	5	450	2250
2101A - 1012	6	800	2700
2101A - 1014	8	900	3600
2101A - 1016	10	900	4500
2101A - 1018	12	900	5400
2101A - 1020	14	900	6400
2101A - 1022	16	900	7200
2101A - 1024	20	900	9000

No.2101B Brass Hammer, Sledge



Number	Size lb	L m m	g
2101B - 1002	1	350	450
2101B - 1004	2	400	910
2101B - 1006	3	400	1400
2101B - 1008	4	450	1800
2101B - 1010	5	450	2250
2101B - 1012	6	800	2700
2101B - 1014	8	900	3600
2101B - 1016	10	900	4500
2101B - 1018	12	900	5400
2101B - 1020	14	900	6400
2101B - 1022	16	900	7200
2101B - 1024	20	900	9000

No.2102A Brass Hammer, Mallet



Number	Size lb	L m m	g
2102A - 1002	1	350	450
2102A - 1004	2	400	910
2102A - 1006	3	400	1400
2102A - 1008	5	450	2250
2102A - 1010	6	800	2700
2102A - 1012	8	900	4500
2102A - 1014	10	900	5400
2102A - 1016	15	900	7650

No.2102B Brass Hammer, Mallet



Number	Size lb	L m m	g
2102B - 1002	1	350	450
2102B - 1004	2	400	910
2102B - 1006	3	400	1400
2102B - 1008	5	450	2250
2102B - 1010	6	800	2700
2102B - 1012	8	900	4500
2102B - 1014	10	900	5400
2102B - 1016	15	900	7650



No.2103A Brass Hammer, Drum Type



Number	Size lb	L m m	 g
2103A - 1002	1/2	280	230
2103A - 1004	1	310	450
2103A - 1006	1 - 1/2	340	680
2103A - 1008	2	350	910
2103A - 1010	3	400	1400
2103A - 1012	4	400	1800
2103A - 1014	5	400	2250
2103A - 1016	6	900	2700
2103A - 1018	8	900	3600
2103A - 1020	10	900	4500

No.2103B Brass Hammer, Drum Type



Number	Size lb	L m m	 g
2103B - 1002	1/2	280	230
2103B - 1004	1	310	450
2103B - 1006	1 - 1/2	340	680
2103B - 1008	2	350	910
2103B - 1010	3	400	1400
2103B - 1012	4	400	1800
2103B - 1014	5	400	2250
2103B - 1016	6	900	2700
2103B - 1018	8	900	3600
2103B - 1020	10	900	4500

No.2104A Brass Hammer, Sledge (German Type)



Number	Size g	L m m	 g
2104A - 1002	500	350	500
2104A - 1004	1000	400	1000
2104A - 1006	1500	400	1500
2104A - 1008	1800	400	1800
2104A - 1010	2000	400	2000
2104A - 1012	2700	900	2700
2104A - 1014	3600	900	3600
2104A - 1016	4000	900	4000
2104A - 1018	5000	900	5000

No.2104B Brass Hammer, Sledge (German Type)



Number	Size g	L m m	 g
2104B - 1002	500	350	500
2104B - 1004	1000	400	1000
2104B - 1006	1500	400	1500
2104B - 1008	1800	450	1800
2104B - 1010	2000	450	2000
2104B - 1012	2700	900	2700
2104B - 1014	3600	900	3600
2104B - 1016	4000	900	4000
2104B - 1018	5000	900	5000

No.2105A Brass Hammer, Ball Pein



Number	Size lb	L m m	 g
2105A - 1002	1/2	280	230
2105A - 1004	3/4	280	340
2105A - 1006	1	280	450
2105A - 1008	1 - 1/2	310	680
2105A - 1010	2	340	910
2105A - 1012	2 - 1/2	350	1130

No.2105B Brass Hammer, Ball Pein



Number	Size lb	L m m	 g
2105B - 1002	1/2	280	230
2105B - 1004	3/4	280	340
2105B - 1006	1	280	450
2105B - 1008	1 - 1/2	310	680
2105B - 1010	2	340	910
2105B - 1012	2 - 1/2	350	1130

No.2106A Brass Hammer, Double face



Number	Size g	L m m	 g
2106A - 1002	500	350	500
2106A - 1004	1000	400	1000
2106A - 1006	2000	400	2000
2106A - 1008	3000	900	3000
2106A - 1010	5000	900	5000

No.2106B Brass Hammer, Double face



Number	Size g	L m m	 g
2106B - 1002	500	350	500
2106B - 1004	1000	400	1000
2106B - 1006	2000	400	2000
2106B - 1008	3000	900	3000
2106B - 1010	5000	900	5000

No.2107A Brass Flat Hammer(Euro Type)



Number	Size lb	L m m	 g
2107A - 1002	1	350	450
2107A - 1004	2	400	910
2107A - 1006	3	400	1400
2107A - 1008	5	450	2250
2107A - 1010	6	900	2700
2107A - 1012	8	900	4500
2107A - 1014	10	900	5400
2107A - 1016	15	900	7650

No.2107B Brass Flat Hammer(Euro Type)



Number	Size lb	L m m	 g
2107B - 1002	1	350	450
2107B - 1004	2	400	910
2107B - 1006	3	400	1400
2107B - 1008	5	450	2250
2107B - 1010	6	900	2700
2107B - 1012	8	900	4500
2107B - 1014	10	900	5400
2107B - 1016	15	900	7650

No.2108A Brass Hammer, Scaling



Number	Size g	L m m	 g
2108A - 1002	150	280	205
2108A - 1004	300	280	370

No.2108B Brass Hammer, Scaling



Number	Size g	L m m	 g
2108B - 1002	150	330	205
2108B - 1004	300	350	370

No.2109 Nylon Hammer



Number	Size g	L m m	 g
2109 - 1002	420	280	420
2109 - 1004	650	340	650

No.2201A Copper Hammer, Sledge



Number	Size lb	L m m	 g
2201A - 1002	1	350	450
2201A - 1004	2	400	910
2201A - 1006	3	400	1400
2201A - 1008	4	450	1800
2201A - 1010	5	450	2250
2201A - 1012	6	900	2700
2201A - 1014	8	900	3600
2201A - 1016	10	900	4500
2201A - 1018	12	900	5400
2201A - 1020	14	900	6400
2201A - 1022	16	900	7200
2201A - 1024	20	900	9000

No.2201B Copper Hammer, Sledge



Number	Size lb	L m m	 g
2201B - 1002	1	350	450
2201B - 1004	2	400	910
2201B - 1006	3	400	1400
2201B - 1008	4	450	1800
2201B - 1010	5	450	2250
2201B - 1012	6	900	2700
2201B - 1014	8	900	3600
2201B - 1016	10	900	4500
2201B - 1018	12	900	5400
2201B - 1020	14	900	6400
2201B - 1022	16	900	7200
2201B - 1024	20	900	9000



No.2202A Copper Hammer, Mallet



Number	Size lb	L m m	g
2202A - 1002	1	350	450
2202A - 1004	2	400	910
2202A - 1006	3	400	1400
2202A - 1008	5	450	2250
2202A - 1010	6	900	2700
2202A - 1012	8	900	4500
2202A - 1014	10	900	5400
2202A - 1016	15	900	7650

No.2202B Copper Hammer, Mallet



Number	Size lb	L m m	g
2202B - 1002	1	350	450
2202B - 1004	2	400	910
2202B - 1006	3	400	1400
2202B - 1008	5	450	2250
2202B - 1010	6	900	2700
2202B - 1012	8	900	4500
2202B - 1014	10	900	5400
2202B - 1016	15	900	7650

No.2103A Copper Hammer, Drum Type



Number	Size lb	L m m	g
2203A - 1002	1/2	280	230
2203A - 1004	1	310	450
2203A - 1006	1 - 1/2	340	680
2203A - 1008	2	350	910
2203A - 1010	3	400	1400
2203A - 1012	4	400	1800
2203A - 1014	5	400	2250
2203A - 1016	6	900	2700
2203A - 1018	8	900	3600
2203A - 1020	10	900	4500

No.2203B Copper Hammer, Drum Type



Number	Size lb	L m m	g
2203B - 1002	1/2	280	230
2203B - 1004	1	310	450
2203B - 1006	1 - 1/2	340	680
2203B - 1008	2	350	910
2203B - 1010	3	400	1400
2203B - 1012	4	400	1800
2203B - 1014	5	400	2250
2203B - 1016	6	900	2700
2203B - 1018	8	900	3600
2203B - 1020	10	900	4500



No.2204A Copper Hammer, Sledge (German Type)



Number	Size g	L m m	 g
2204 A - 1002	500	350	500
2204 A - 1004	1000	400	1000
2204 A - 1006	1500	400	1500
2204 A - 1008	1800	400	1800
2204 A - 1010	2000	400	2000
2204 A - 1012	2700	900	2700
2204 A - 1014	3600	900	3600
2204 A - 1016	4000	900	4000
2204 A - 1018	5000	900	5000

No.2204B Copper Hammer, Sledge (German Type)



Number	Size g	L m m	 g
2204 B - 1002	500	350	500
2204 B - 1004	1000	400	1000
2204 B - 1006	1500	400	1500
2204 B - 1008	1800	400	1800
2204 B - 1010	2000	400	2000
2204 B - 1012	2700	900	2700
2204 B - 1014	3600	900	3600
2204 B - 1016	4000	900	4000
2204 B - 1018	5000	900	5000

No.2205A Copper Hammer, Ball Pein



Number	Size 1b	L m m	 g
2205 A - 1002	1/2	280	230
2205 A - 1004	3/4	280	340
2205 A - 1006	1	280	450
2205 A - 1008	1 - 1/2	310	680
2205 A - 1010	2	340	910
2205 A - 1012	2 - 1/2	350	1130

No.2205B Copper Hammer, Ball Pein



Number	Size 1b	L m m	 g
2205 B - 1002	1/2	280	230
2205 B - 1004	3/4	280	340
2205 B - 1006	1	280	450
2205 B - 1008	1 - 1/2	310	680
2205 B - 1010	2	340	910
2205 B - 1012	2 - 1/2	350	1130

No.2206A Copper Hammer, Double face



Number	Size g	L m m	 g
2206 A - 1002	500	350	500
2206 A - 1004	1000	400	1000
2206 A - 1006	2000	400	2000
2206 A - 1008	3000	900	3000
2206 A - 1010	5000	900	5000

No.2206B Copper Hammer, Double face



Number	Size g	L m m	 g
2206B - 1002	500	350	500
2206B - 1004	1000	400	1000
2206B - 1006	2000	400	2000
2206B - 1008	3000	900	3000
2206B - 1010	5000	900	5000

No.2207A Copper Flat Hammer (Euro Type)



Number	Size lb	L m m	 g
2207A - 1002	1	350	450
2207A - 1004	2	400	910
2207A - 1006	3	400	1400
2207A - 1008	5	450	2250
2207A - 1010	6	800	2700
2207A - 1012	8	900	4500
2207A - 1014	10	900	5400
2207A - 1016	15	900	7650

No.2207B Copper Flat Hammer (Euro Type)



Number	Size lb	L m m	 g
2207B - 1002	1	350	450
2207B - 1004	2	400	910
2207B - 1006	3	400	1400
2207B - 1008	5	450	2250
2207B - 1010	6	800	2700
2207B - 1012	8	900	4500
2207B - 1014	10	900	5400
2207B - 1016	15	900	7650

No.2208A Copper Hammer, Scaling



Number	Size g	L m m	 g
2208A - 1002	150	330	205
2208A - 1004	300	350	370

No.2208B Copper Hammer, Scaling



Number	Size g	L m m	 g
2208B - 1002	150	330	205
2208B - 1004	300	350	370

DIN STANDARD

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TAURUS®



DIN894

DIN895

DIN838

DIN3113



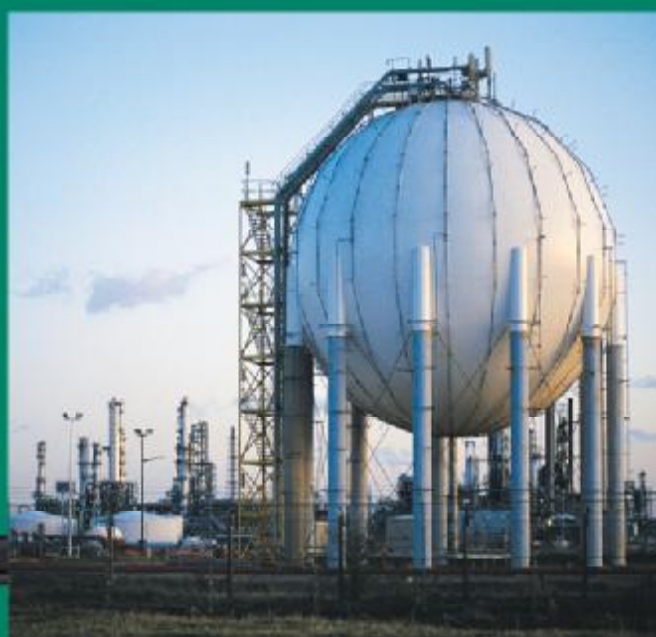
SURFACE: A、 PHOSPHATED

B、 NATURAL COLOUR

C、 BLACK EPOXY

DIN133

DIN7444



No.3301 Wrench, Construction with Pin



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3301-17	17	220	120	3301-36	36	360	680
3301-19	19	240	150	3301-41	41	380	950
3301-22	22	260	200	3301-46	46	400	1050
3301-24	24	280	250	3301-50	50	420	1100
3301-27	27	300	330	3301-55	55	450	1400
3301-30	30	320	420	3301-60	60	480	1900
3301-32	32	340	500				

No.3302 Wrench, Single Open End



• Die Forged DIN 894

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3302-14	14	140	90	3302-60	60	490	2000
3302-17	17	160	100	3302-65	65	530	2800
3302-19	19	170	120	3302-70	70	570	3050
3302-22	22	195	160	3302-75	75	610	3500
3302-24	24	220	180	3302-80	80	645	4600
3302-27	27	240	270	3302-85	85	690	5200
3302-30	30	260	300	3302-90	90	850	6100
3302-32	32	275	380	3302-95	95	850	6100
3302-34	34	290	470	3302-100	100	1000	7700
3302-36	36	310	500	3302-105	105	1000	7700
3302-41	41	345	580	3302-110	110	1000	9000
3302-46	46	375	900	3302-115	115	1000	9000
3302-50	50	410	1150	3302-120	120	1000	9050
3302-55	55	450	1400	3302-125	125	1000	9050

No.3303 Wrench, Double Open End



• Die Forged DIN 895

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3303-1417	14*17	160	80	3303-3641	36*41	350	850
3303-1719	17*19	180	110	3303-4146	41*46	380	1000
3303-1922	19*22	200	150	3303-4650	46*50	420	1250
3303-1924	19*24	220	170	3303-5055	50*55	460	1800
3303-2224	22*24	230	230	3303-5560	55*60	500	2650
3303-2427	24*27	255	320	3303-6065	60*65	540	2700
3303-2730	27*30	280	400	3303-6570	65*70	580	3450
3303-3032	30*32	300	500	3303-7075	70*75	620	3900
3303-3236	32*36	320	600	3303-7580	75*80	660	4620
3303-3436	34*36	330	700				

No.3304 Wrench, Striking Open



• Die Forged DIN 133

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3304-22	22	135	190	3304-65	65	335	2850
3304-24	24	150	230	3304-70	70	370	3550
3304-27	27	175	390	3304-75	75	375	4000
3304-30	30	190	500	3304-80	80	400	5500
3304-32	32	190	540	3304-85	85	400	5200
3304-36	36	210	700	3304-90	90	445	7000
3304-38	38	220	820	3304-100	100	485	10500
3304-41	41	230	900	3304-110	110	512	13200
3304-46	46	250	1200	3304-120	120	530	16000
3304-50	50	275	1400	3304-130	130	560	18000
3304-55	55	305	1800	3304-140	140	630	24000
3304-60	60	315	2110	3304-150	150	630	23800

Number	Size inch	L mm	 g
3304-1002	7/8	135	190
3304-1004	15/16	150	230
3304-1006	1	175	390
3304-1008	1-1/8	190	500
3304-1010	1-1/4	190	540
3304-1012	1-7/16	210	700
3304-1014	1-1/2	220	820
3304-1016	1-5/8	230	900
3304-1018	1-3/4	250	1200
3304-1020	2	275	1400
3304-1022	2-1/8	305	1800
3304-1024	2-3/8	315	2110
3304-1026	2-1/2	335	2850
3304-1028	2-3/4	370	3550
3304-1030	3	375	4000
3304-1032	3-1/8	400	5500
3304-1036	3-1/2	445	7000
3304-1038	4	485	10500

DIN 133



No.3304A Wrench,Bent Striking Open



- Die Forged

Number	Size mm	L mm	g	Number	Size mm	L mm	g
3304A - 19	19	140	140	3304A - 50	50	275	1700
3304A - 22	22	150	170	3304A - 55	55	305	2300
3304A - 24	24	150	200	3304A - 60	60	315	2800
3304A - 27	27	175	400	3304A - 65	65	335	3600
3304A - 32	32	190	550	3304A - 70	70	370	4400
3304A - 36	36	210	750	3304A - 75	75	375	4700
3304A - 41	41	230	1100	3304A - 80	80	400	6100
3304A - 46	46	250	1250				

No.3305 Wrench,Construction with Pin



- Die Forged

Number	Size mm	L mm	g	Number	S mm	L mm	g
3305 - 17	17	320	205	3305 - 32	32	400	755
3305 - 19	19	350	300	3305 - 36	36	430	900
3305 - 22	22	350	410	3305 - 41	41	470	1205
3305 - 24	24	370	450	3305 - 46	46	500	1515
3305 - 27	27	370	610	3305 - 50	50	530	1780
3305 - 30	30	400	755	3305 - 55	55	560	2045

No.3307 Wrench,Single Bent Box



- Die Forged

Number	Size mm	L mm	g	Number	Size mm	L mm	g
3307 - 10	10	119	55	3307 - 36	36	307	600
3307 - 12	12	151	82	3307 - 41	41	340	780
3307 - 14	14	151	90	3307 - 46	46	370	1050
3307 - 17	17	174	150	3307 - 50	50	400	1580
3307 - 19	19	207	215	3307 - 55	55	430	2130
3307 - 22	22	207	215	3307 - 60	60	450	2430
3307 - 24	24	250	330	3307 - 65	65	470	2520
3307 - 27	27	250	330	3307 - 70	70	490	3480
3307 - 30	30	295	520	3307 - 75	75	510	3800
3307 - 32	32	295	550	3307 - 80	80	530	4200

No.3306 Wrench,Combination



- Die Forged DIN 3113

Number	Size mm	L mm	g	Number	Size mm	L mm	g
3306 - 22	22	245	235	3306 - 70	70	630	4200
3306 - 24	24	265	250	3306 - 75	75	630	4000
3306 - 27	27	290	400	3306 - 80	80	660	5400
3306 - 30	30	320	520	3306 - 85	85	660	5200
3306 - 32	32	340	640	3306 - 90	90	720	7100
3306 - 36	36	360	550	3306 - 95	95	720	6800
3306 - 41	41	430	1360	3306 - 100	100	780	8400
3306 - 46	46	480	1810	3306 - 105	105	780	8100
3306 - 50	50	520	2020	3306 - 110	110	840	9800
3306 - 55	55	560	2580	3306 - 115	115	840	9500
3306 - 60	60	595	3100	3306 - 120	120	900	12100
3306 - 65	65	595	3400	3306 - 125	125	900	11800

No.3308 Wrench,Single Box Offset



- Die Forged

Number	Size mm	L mm	g	Number	Size mm	L mm	g
3308 - 22	22	190	200	3308 - 55	55	445	2100
3308 - 24	24	215	245	3308 - 60	60	474	2500
3308 - 27	27	230	310	3308 - 65	65	510	2900
3308 - 30	30	255	425	3308 - 70	70	555	3360
3308 - 32	32	265	510	3308 - 75	75	590	3400
3308 - 36	36	295	690	3308 - 80	80	620	4650
3308 - 41	41	330	960	3308 - 85	85	665	5300
3308 - 46	46	365	1305	3308 - 90	90	700	5950
3308 - 50	50	400	1610	3308 - 100	100	740	6750

No.3309 Wrench, Striking Box Bent



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3309 - 22	22	140	220	3309 - 46	46	240	1100
3309 - 24	24	160	280	3309 - 50	50	255	1300
3309 - 27	27	175	350	3309 - 55	55	270	1500
3309 - 30	30	190	500	3309 - 60	60	285	2000
3309 - 32	32	190	450	3309 - 65	65	300	2500
3309 - 36	36	210	600	3309 - 70	70	320	2800
3309 - 41	41	225	850	3309 - 75	75	330	3200

No.3310 Wrench, Striking Box



• Die Forged DIN 7444

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3310 - 17	17	145	200	3310 - 65	65	298	1900
3310 - 19	19	145	190	3310 - 70	70	320	2300
3310 - 22	22	155	230	3310 - 75	75	326	2850
3310 - 24	24	165	220	3310 - 80	80	350	3400
3310 - 27	27	175	330	3310 - 85	85	355	4100
3310 - 30	30	185	450	3310 - 90	90	390	5200
3310 - 32	32	185	440	3310 - 100	100	420	6700
3310 - 36	36	205	550	3310 - 110	110	450	8640
3310 - 41	41	225	710	3310 - 120	120	480	10400
3310 - 46	46	235	900	3310 - 130	130	510	11900
3310 - 50	50	250	1200	3310 - 140	140	520	12280
3310 - 55	55	265	1360	3310 - 150	150	565	13650
3310 - 60	60	274	1500	3310 - 160	160	585	15800

Number	Size inch	L mm	 g	Number	Size inch	L mm	 g
3310 - 1002	7/8	155	230	3310 - 1020	2	250	1200
3310 - 1004	15/16	165	220	3310 - 1022	2-1/8	265	1360
3310 - 1006	1	175	330	3310 - 1024	2-3/8	274	1500
3310 - 1008	1-1/8	185	450	3310 - 1026	2-1/2	298	1900
3310 - 1010	1-1/4	185	440	3310 - 1028	2-3/4	320	2300
3310 - 1012	1-7/16	205	550	3310 - 1030	3	326	2850
3310 - 1014	1-1/2	225	710	3310 - 1032	3-1/8	350	3400
3310 - 1016	1-5/8	225	710	3310 - 1036	3-1/2	390	5200
3310 - 1018	1-3/4	235	900	3310 - 1038	4	420	6700



DIN 7444

No.3311 Wrench, Single End Box



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3311 - 22	22	190	170	3311 - 55	55	445	1830
3311 - 24	24	215	210	3311 - 60	60	474	2180
3311 - 27	27	230	265	3311 - 65	65	510	2600
3311 - 30	30	255	370	3311 - 70	70	555	3050
3311 - 32	32	265	445	3311 - 75	75	590	3085
3311 - 36	36	295	600	3311 - 80	80	620	4200
3311 - 41	41	330	835	3311 - 85	85	665	4800
3311 - 46	46	365	1135	3311 - 90	90	700	5400
3311 - 50	50	400	1400	3311 - 100	100	740	6100

No.3312 Wrench, Construction



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3312 - 17	17	310	190	3312 - 55	55	560	2100
3312 - 19	19	330	215	3312 - 60	60	610	2500
3312 - 22	22	350	275	3312 - 65	65	630	2700
3312 - 24	24	370	340	3312 - 70	70	650	3200
3312 - 27	27	400	425	3312 - 75	75	670	3460
3312 - 30	30	430	600	3312 - 80	80	690	4000
3312 - 32	32	430	580	3312 - 85	85	690	3850
3312 - 36	36	460	825	3312 - 90	90	710	5000
3312 - 41	41	490	1070	3312 - 95	95	710	4800
3312 - 46	46	520	1450	3312 - 100	100	730	5800
3312 - 50	50	540	1780	3312 - 110	110	750	7200



No.3313 Wrench, Striking Convex Box



- Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3313 - 27	27	175	350	3313 - 50	50	257	1500
3313 - 30	30	185	500	3313 - 55	55	267	1700
3313 - 32	32	185	450	3313 - 60	60	278	2000
3313 - 36	36	210	700	3313 - 65	65	298	2200
3313 - 41	41	227	900	3313 - 70	70	320	2800
3313 - 46	46	245	1200	3313 - 75	75	326	3000

No.3314 Wrench, Double Box Offset



- Die Forged DIN 838

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3314 - 1719	17*19	280	170	3314 - 3641	36*41	470	1200
3314 - 1922	19*22	300	200	3314 - 4146	41*46	500	1500
3314 - 1924	19*24	320	300	3314 - 4650	46*50	525	1800
3314 - 2123	21*23	320	350	3314 - 5055	50*55	550	2700
3314 - 2224	22*24	330	400	3314 - 5560	55*60	575	3000
3314 - 2427	24*27	340	450	3314 - 6065	60*65	600	3600
3314 - 2730	27*30	350	500	3314 - 6570	65*70	625	3900
3314 - 3032	30*32	370	650	3314 - 7075	70*75	650	4300
3314 - 3236	32*36	430	950	3314 - 7580	75*80	675	4800

No.3315 Wrench, Double Flat Box



- Die Forged DIN 837

Number	Size mm	L mm	 g
3315 - 1719	17*19	185	125
3315 - 1922	19*22	200	170
3315 - 2224	22*24	220	225
3315 - 2427	24*27	255	300
3315 - 2430	24*30	270	355
3315 - 2528	25*28	265	360
3315 - 2730	27*30	280	405
3315 - 3032	30*32	295	470
3315 - 3034	30*34	310	555
3315 - 3236	32*36	330	620
3315 - 3436	34*36	345	715
3315 - 3641	36*41	365	880

No.3316 Ring Wrench for Extension



- Die Forged

Number	Size mm	L mm	 g
3316 - 24	24	180	450
3316 - 27	27	190	500
3316 - 30	30	200	550
3316 - 32	32	235	750
3316 - 36	36	245	850
3316 - 41	41	265	1000
3316 - 46	46	280	1400
3316 - 50	50	290	1600
3316 - 55	55	300	1750
3316 - 60	60	345	2800
3316 - 65	65	355	3200
3316 - 70	70	365	3700
3316 - 75	75	375	4100
3316 - 80	80	385	4900

No.3316A Extension for No.3316



- Die Forged

Number	Size mm	L mm	Φ mm	 g
3316A - 1002	24 - 30	460	19	775
3316A - 1004	32 - 41	610	22	1130
3316A - 1006	46 - 55	760	25	1875
3316A - 1008	60 - 80	860	30	2880

No.3317 Offset Slogging Box Wrench



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3317-24	24	160	350	3317-65	65	330	2600
3317-27	27	180	450	3317-70	70	350	3200
3317-30	30	200	580	3317-75	75	370	4400
3317-32	32	200	560	3317-80	80	385	4750
3317-36	36	220	780	3317-90	90	420	6800
3317-41	41	240	900	3317-100	100	435	7750
3317-46	46	250	1250	3317-110	110	455	9200
3317-50	50	270	1650	3317-120	120	485	10500
3317-55	55	295	2150	3317-130	130	520	12000
3317-60	60	317	2300				

No.3318 Offset Slogging Box Wrench (American Type)



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3318-22	22	240	900	3318-75	75	420	5500
3318-24	24	240	900	3318-80	80	440	6900
3318-27	27	270	1200	3318-85	85	460	7330
3318-30	30	280	1400	3318-90	90	480	8800
3318-32	32	290	1600	3318-95	95	480	8800
3318-36	36	300	1800	3318-100	100	515	10900
3318-38	38	300	1700	3318-105	105	515	10900
3318-41	41	320	2000	3318-110	110	550	12100
3318-46	46	340	2600	3318-115	115	550	12100
3318-50	50	350	3000	3318-120	120	585	14000
3318-55	55	360	3900	3318-125	125	585	14000
3318-60	60	375	4100	3318-130	130	620	16000
3318-65	65	390	4200	3318-135	135	620	16000
3318-70	70	400	5100				

ASME B107.59



No.3319 Giant Adjustable Wrench



• Die Forged

Number	Size inch	L inch	 g
3319-1002	1-3/8 - 2-7/8	24	4450
3319-1004	2-3/4 - 4-3/4	36	13000

No.3319A Wrench, Single Box Convex



• Die Forged

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3319A-17	17	140	170	3319A-55	55	370	2710
3319A-19	19	155	225	3319A-60	60	390	3120
3319A-22	22	180	290	3319A-65	65	410	3600
3319A-24	24	200	410	3319A-70	70	430	4450
3319A-27	27	225	550	3319A-75	75	450	5110
3319A-30	30	250	820	3319A-80	80	470	5660
3319A-32	32	270	930	3319A-85	85	490	6390
3319A-36	36	290	1100	3319A-90	90	500	7640
3319A-41	41	310	1530	3319A-95	95	510	8450
3319A-46	46	330	1800	3319A-100	100	525	9160
3319A-50	50	350	2280				

No.3320 Bar, Pinch



• Die Forged

Number	Size mm	 g	Number	Size mm	 g
3320-1002	16*300	470	3320-1012	24*800	2680
3320-1004	16*400	630	3320-1014	26*900	3750
3320-1006	18*500	950	3320-1016	28*1000	4830
3320-1008	20*600	1340	3320-1018	30*1000	5500
3320-1010	22*700	1960	3320-1020	32*1200	7600



No.3321 Wrench, Hook



- Die Forged DIN 1810

Number	Size m m	L m m	 g
3321 - 1002	30 - 32	140	60
3321 - 1004	34 - 36	170	90
3321 - 1006	40 - 42	176	100
3321 - 1008	45 - 50	209	150
3321 - 1010	52 - 55	212	160
3321 - 1012	58 - 62	244	210
3321 - 1014	68 - 75	250	250
3321 - 1016	80 - 90	284	370
3321 - 1018	95 - 100	288	410
3321 - 1020	110 - 115	337	700
3321 - 1022	120 - 130	343	750
3321 - 1024	135 - 145	388	1050

No.3321B Hook Wrench With Pin



- Die Forged

Number	Size m m	L m m	 g
3321B - 1002	12 - 14	116	12
3321B - 1004	16 - 18	116	15
3321B - 1006	20 - 22	125	22
3321B - 1008	25 - 28	139	32
3321B - 1010	30 - 32	140	50
3321B - 1012	34 - 36	170	90
3321B - 1014	40 - 42	176	100
3321B - 1016	45 - 50	209	150
3321B - 1018	52 - 55	212	160
3321B - 1020	58 - 62	244	230
3321B - 1022	68 - 75	250	250
3321B - 1024	80 - 90	284	370
3321B - 1026	95 - 100	288	410
3321B - 1028	110 - 115	337	700

No.3321A Hook Wrench, Adjustable



- Die Forged DIN 1810

Number	Size m m	L m m	 g
3321A - 1002	19 - 50	162	110
3321A - 1004	32 - 75	205	225
3321A - 1006	50 - 120	288	450
3321A - 1008	115 - 170	310	580

No.3321C Hook Wrench, Adjustable



- Die Forged

Number	Size m m	L m m	 g
3321C - 1002	20 - 42	162	100
3321C - 1004	45 - 90	250	450
3321C - 1006	95 - 165	310	580

No.3321D Hook Wrench With Pin, Adjustable



- Die Forged

Number	Size m m	L m m	 g
3321D - 1002	16 - 20/2.5	120	22
3321D - 1004	20 - 35/2.5	150	90
3321D - 1006	22 - 35/3	150	90
3321D - 1008	35 - 60/4	170	120
3321D - 1010	35 - 60/5	170	120
3321D - 1012	60 - 90/5	250	340
3321D - 1014	60 - 90/5.5	250	340

No.3322 Valve Spanner



- Die Forged

Number	Size inch	L m m	 g
3322-1002	2-7	215	230
3322-1004	8-15	400	1550
3322-1006	16-20	490	1960
3322-1008	16-20	800	2700

No.3322A Valve Spanner



- Die Forged

Number	K inch	D inch	L inch	 g
3322A-1002	1-3/8	1-1/2	21-3/8	1350

No.3323 Chisel, Flat



- Die Forged

Number	Size m m	L m m	 g
3323-1002	16*160	160	250
3323-1004	18*180	180	340
3323-1006	20*160	160	360
3323-1008	22*180	180	490
3323-1010	24*180	180	610
3323-1012	25*250	250	960
3323-1014	27*300	300	430
3323-1016	30*300	300	1660
3323-1018	35*500	500	3770



No.3324 Punch, Machinists'



- Die Forged

Number	Size m m	L m m	 g
3324-1002	16*300	300	470
3324-1004	16*400	400	630
3324-1006	18*500	500	1000
3324-1008	20*600	600	1480
3324-1010	22*700	700	2080
3324-1012	24*800	800	2840
3324-1014	26*900	900	3680
3324-1016	28*1000	1000	4600
3324-1018	30*1000	1000	5500
3324-1020	32*1200	1200	7600

No.3325 Wrench, Hex Key



- Die Forged

Number	Size m m	L m m	 g
3325-22	22	187	1000
3325-24	24	192	1400
3325-27	27	213	1770
3325-30	30	255	2500
3325-32	32	286	3120
3325-36	36	328	4000
3325-38	38	380	4700
3325-41	41	380	5700
3325-46	46	413	7000
3325-50	50	445	9550
3325-55	55	457	11200
3325-60	60	470	14050
3325-65	65	482	15300
3325-70	70	495	16700

No.3326 Valve Handle



- Die Forged

Number	Size m m	 g
3326 - 1002	45*350	510
3326 - 1004	50*400	800
3326 - 1006	55*450	940
3326 - 1008	60*500	1170
3326 - 1010	65*550	1300
3326 - 1012	70*600	1470
3326 - 1014	75*650	1560
3326 - 1016	80*700	1600
3326 - 1018	85*750	2250
3326 - 1020	90*800	2430
3326 - 1022	93*850	2530
3326 - 1024	96*900	2600
3326 - 1026	100*950	2800
3326 - 1028	103*1000	2900
3326 - 1030	106*1200	5400

No.3326A Valve Handle



- Die Forged

Number	Size m m	 g
3326A - 1002	30*200	250
3326A - 1004	35*250	355
3326A - 1006	40*300	420
3326A - 1008	45*350	555
3326A - 1010	50*400	700
3326A - 1012	55*450	785
3326A - 1014	60*500	1150
3326A - 1016	65*550	1220
3326A - 1018	70*600	1310
3326A - 1020	75*650	1570
3326A - 1022	80*700	1785
3326A - 1024	85*750	2090
3326A - 1026	90*800	2550



No.3327 Wrench, C



- Die Forged

Number	Size m m	L m m	 g
3327 - 1002	200	200	350
3327 - 1004	250	250	600
3327 - 1006	450	450	2250

No.3328 Wrench, C



- Die Forged

Number	K m m	L m m	 g
3328 - 1002	40	450	1300

No.3329 Punch, Center



- Die Forged

Number	Size m m	L m m	 g
3329 - 1002	22*700	700	2080
3329 - 1004	24*800	800	2840
3329 - 1006	26*900	900	3680
3329 - 1008	28*1000	1000	4600
3329 - 1010	30*1000	1000	5500
3329 - 1012	32*1200	1200	7600

No.3330 Bar, Sliding



- Die Forged

Number	Size m m	L m m	 g
3330 - 1002	Φ21*400	400	1080

No.3331 Sliding T Handle



- Die Forged

Number	Size inch	L m m	 g
3331 - 1002	3/4	400	1280
3331 - 1004	1	400	1650

No.3332 1" Dr Socket



- Die Forged

Number	Size m m	L m m	 g	Number	Size m m	L m m	 g
3332 - 24	24	55	360	3332 - 50	50	75	890
3332 - 27	27	55	380	3332 - 55	55	80	1050
3332 - 30	30	60	430	3332 - 60	60	85	1320
3332 - 32	32	60	460	3332 - 65	65	90	1475
3332 - 36	36	65	525	3332 - 70	70	90	1625
3332 - 41	41	70	655	3332 - 75	75	95	2155
3332 - 46	46	70	780	3332 - 80	80	95	2390

No.3333 Driver Extension



- Die Forged

Number	Size inch	L m m	 g
3333 - 1002	3/4	200	910
3333 - 1004	1	200	1480

No.3334 Ratchet Wrench



- Die Forged

Number	Size inch	L m m	 g
3334 - 1002	3/4	160	1570
3334 - 1004	1	180	3100
3334 - 1006	1 - 1/2	225	4600

No.3335 Ratchet Wrench



- Die Forged

Number	Size inch	L m m	 g
3335 - 1002	3/4	320	1490
3335 - 1004	1	550	3220
3335 - 1006	1 - 1/2	600	4600

No.3332A 3/4" Dr Socket

Number	Size m m	L m m	 g	Number	Size m m	L m m	 g
3332A - 24	24	55	300	3332A - 36	36	60	490
3332A - 27	27	55	310	3332A - 41	41	65	670
3332A - 30	30	55	400	3332A - 46	46	65	720
3332A - 32	32	60	430	3332A - 50	50	70	850

Impact Socket



• Die Forged DIN 3121

No.3336 Impact Socket (1-1/2")

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3336-32	32	75	1860	3336-95	95	110	5500
3336-36	36	80	2200	3336-100	100	115	5820
3336-41	41	80	2150	3336-105	105	115	6400
3336-46	46	85	2290	3336-110	110	115	6540
3336-50	50	85	2380	3336-115	115	125	10380
3336-55	55	90	2480	3336-120	120	125	11020
3336-60	60	90	2640	3336-125	125	130	11970
3336-65	65	95	3060	3336-130	130	135	13575
3336-70	70	95	3200	3336-135	135	140	14850
3336-75	75	100	3625	3336-140	140	140	15600
3336-80	80	100	3980	3336-145	145	145	13800
3336-85	85	110	4400	3336-150	150	150	19500
3336-90	90	110	4700				

No.3337 Impact Socket (1-1/2" Deep)

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3337-41	41	115	3000	3337-90	90	178	7680
3337-46	46	115	3300	3337-95	95	184	8850
3337-50	50	135	3400	3337-100	100	190	9080
3337-55	55	140	3930	3337-105	105	197	13200
3337-60	60	150	4790	3337-110	110	203	14030
3337-65	65	150	5440	3337-115	115	203	10670
3337-70	70	160	6000	3337-120	120	213	19000
3337-75	75	170	6250	3337-125	125	213	20020
3337-80	80	170	6390	3337-130	130	220	22500
3337-85	85	170	7130				

No.3338 Impact Socket (1")

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3338-30	30	60	750	3338-55	55	75	1680
3338-32	32	60	760	3338-60	60	85	2100
3338-36	36	65	900	3338-65	65	85	2170
3338-41	41	70	940	3338-70	70	90	2500
3338-46	46	75	1300	3338-75	75	90	2780
3338-50	50	75	1500	3338-80	80	90	3000

No.3338A Impact Socket (3/4")

Number	S mm	L mm	 g
3338A-24	24	50	315
3338A-27	27	50	345
3338A-30	30	55	445
3338A-32	32	55	490
3338A-36	36	60	530
3338A-41	41	60	725
3338A-46	46	60	825
3338A-50	50	70	950

No.3338B Impact Socket (1" Deep)

Number	Size mm	L mm	 g
3338B-24	24	100	950
3338B-27	27	100	1000
3338B-30	30	100	1000
3338B-32	32	100	1200
3338B-36	36	100	1200
3338B-38	38	100	1400
3338B-41	41	100	1550
3338B-46	46	100	2120
3338B-50	50	100	2380
3338B-55	55	100	2730
3338B-60	60	100	2800
3338B-65	65	100	2950
3338B-70	70	100	3120
3338B-75	75	100	3600
3338B-80	80	100	4000

No.3338C Impact Socket (3/4" Deep)

Number	Size mm	L mm	 g	Number	Size mm	L mm	 g
3338C-17	17	90	570	3338C-34	34	90	830
3338C-19	19	90	580	3338C-36	36	90	890
3338C-22	22	90	600	3338C-38	38	90	980
3338C-24	24	90	650	3338C-41	41	90	1000
3338C-27	27	90	650	3338C-46	46	100	1300
3338C-30	30	90	750	3338C-50	50	100	1660
3338C-32	32	90	800				

No.3339 Driver Extension



- Die Forged

Number	C inch	L m m	g
3339 - 1002	3/4	200	900
3339 - 1004	1	200	1400
3339 - 1006	1	400	3000
3339 - 1008	1 - 1/2	250	5200
3339 - 1010	1 - 1/2	500	9200

No.3341A Adaptor



- Die Forged

Number	inch	inch	L m m	g
3341A - 1002	3/4	1	65	450
3341A - 1004	1	3/4	70	700
3341A - 1006	1	1 - 1/2	115	1500
3341A - 1008	1 - 1/2	1	110	3000
3341A - 1010	1 - 1/2	2 - 1/2	140	5700
3341A - 1012	2 - 1/2	1 - 1/2	140	7300

No.3340 Universal Joint



- Die Forged

Number	C inch	L m m	g
3340 - 1002	3/4	110	600
3340 - 1004	1	125	1300
3340 - 1006	1 - 1/2	235	5000
3340 - 1008	2 - 1/2	333	18000

No.3342 Chain



- Die Forged

Number	Φ m m	g/m
3342 - 1002	6	850
3342 - 1004	8	1360

No.3341 Adaptor



- Die Forged

Number	inch	inch	L m m	g
3341 - 1002	3/4	1/2	55	275
3341 - 1004	1/2	3/4	50	160
3341 - 1006	1	3/4	70	810
3341 - 1008	3/4	1	60	340
3341 - 1010	1 - 1/2	1	85	1585
3341 - 1012	1	1 - 1/2	85	1165

No.3343 Universal Joint



- Die Forged

Number	C inch	L m m	g
3343 - 1002	1	110	1500
3343 - 1004	1 - 1/2	200	4200

No.3344 Pliers, Diagonal Cutting



- Die Forged

Number	L inch	L m m	g
3344 - 1002	6	150	190
3344 - 1004	8	200	285

No.3347 Double Ratchet Wrench



- Die Forged

Number	S ₁ m m	S ₂ m m	L m m	g
3347 - 1417	14	17	278	320
3347 - 1719	17	19	315	455
3347 - 1922	19	22	315	445
3347 - 2224	22	24	375	730
3347 - 2427	24	27	375	720
3347 - 2730	27	30	400	1110
3347 - 3032	30	32	400	1100
3347 - 3236	32	36	445	2000
3347 - 3641	36	41	445	2000

No.3345 Pliers, Lineman



- Die Forged

Number	L inch	L m m	g
3345 - 1002	6	150	150
3345 - 1004	8	200	350

No.3348 Single Ratchet Wrench



- Die Forged

Number	S m m	L m m	g
3348 - 17	17	278	320
3348 - 19	19	315	455
3348 - 22	22	315	445
3348 - 24	24	375	730
3348 - 27	27	375	720
3348 - 30	30	400	1110
3348 - 32	32	400	1100
3348 - 36	36	445	2000
3348 - 41	41	445	2000

No.3346 Pliers, Snipe Nose



- Die Forged

Number	L inch	L m m	g
3346 - 1002	6	150	175
3346 - 1004	8	200	300

No.3349 Motor Wrench



- Die Forged

Number	S m m	L m m	g
3349 - 1002	62	230	520
3349 - 1004	78	280	780
3349 - 1006	82	375	1300

Titanium Tools

K



non magnetic corrosion resistant

lightweight hard durable

Titanium tools

Hardness: HRC33-43

Breaking: MPA $\delta \geq 850$

Extensibility: $\delta \geq 10\%$

Density: $\rho = 4.5 \text{ g/cm}^3$

No.5101 Wrench, Adjustable



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- It is suitable for different sizes of fasteners by adjusting the opening size.

Number	L m m	K ^{max} m m	g
5101 - 1002	150	18	80
5101 - 1004	200	24	170
5101 - 1006	250	30	260
5101 - 1008	300	36	435

No.5102 Wrench, Pipe(American Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- Used for turning or assembling pipes and fittings.

Number	L m m	K ^{max} m m	g
5102 - 1002	200	25	310
5102 - 1004	250	30	520
5102 - 1006	300	40	790
5102 - 1008	350	50	950

No.5104 Wrench, Construction With Pin



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- The sharp tail has a variety of uses.

Number	S m m	L m m	g
5104 - 17	17	220	60
5104 - 19	19	240	80
5104 - 22	22	260	120
5104 - 24	24	280	145
5104 - 27	27	300	200
5104 - 30	30	320	235

No.5103 Wrench, Combination



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- Both ends generally fit the same size of bolts and nuts.

Number	S m m	L m m	g
5103 - 6	6	105	13
5103 - 8	8	120	20
5103 - 10	10	135	30
5103 - 12	12	150	40
5103 - 14	14	175	55
5103 - 17	17	195	90
5103 - 19	19	215	125
5103 - 22	22	245	170
5103 - 24	24	265	200
5103 - 27	27	290	280
5103 - 30	30	320	400
5103 - 32	32	340	480

No.5105 Wrench, Single Open End



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S m m	L m m	g
5105 - 6	6	75	11
5105 - 8	8	95	14
5105 - 10	10	105	19
5105 - 12	12	125	25
5105 - 14	14	140	35
5105 - 17	17	160	50
5105 - 19	19	170	60
5105 - 22	22	195	95
5105 - 24	24	220	120
5105 - 27	27	240	170
5105 - 30	30	260	220
5105 - 32	32	260	260
5105 - 36	36	310	350

No.5106 Wrench, Striking Open



DIN133

- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Used with a hammer to remove or tighten large bolts and nuts.

Number	S m m	L m m	g
5106 - 17	17	125	85
5106 - 19	19	125	80
5106 - 22	22	135	95
5106 - 24	24	150	135
5106 - 27	27	175	230
5106 - 30	30	190	260
5106 - 32	32	190	260
5106 - 36	36	200	370

No.5107 Wrench, Double Open End



DIN 3110

- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts.

Number	S m m	L m m	g
5107 - 0607	6*7	120	13
5107 - 0709	7*9	135	20
5107 - 0810	8*10	145	25
5107 - 1012	10*12	165	40
5107 - 1214	12*14	180	55
5107 - 1417	14*17	195	70
5107 - 1719	17*19	210	95
5107 - 1922	19*22	225	130
5107 - 2224	22*24	250	170
5107 - 2427	24*27	250	230
5107 - 2730	27*30	270	310
5107 - 3032	30*32	310	430

No.5109 Wrench, Double Flat Box



DIN 8378

- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 m m	L m m	g
5109 - 0709	7*9	115	15
5109 - 0810	8*10	115	15
5109 - 1012	10*12	140	24
5109 - 1214	12*14	145	30
5109 - 1417	14*17	165	50
5109 - 1719	17*19	185	60
5109 - 1922	19*22	200	95
5109 - 2224	22*24	215	105
5109 - 2427	24*27	255	145
5109 - 2730	27*30	280	185
5109 - 3032	30*32	295	220

No.5108 Wrench, Double Box Offset



DIN 838

- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.

Number	S1*S2 m m	L m m	g
5108 - 0810	8*10	190	40
5108 - 1012	10*12	200	48
5108 - 1214	12*14	220	58
5108 - 1417	14*17	255	85
5108 - 1719	17*19	280	100
5108 - 1922	19*22	300	115
5108 - 2224	22*24	330	232
5108 - 2427	24*27	340	260
5108 - 2730	27*30	350	290
5108 - 3032	30*32	370	377

No.5110 Wrench, Construction



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts

Number	S m m	L m m	g
5110 - 8	8	210	65
5110 - 10	10	230	70
5110 - 12	12	250	88
5110 - 14	14	270	105
5110 - 17	17	310	135
5110 - 19	19	330	165
5110 - 22	22	350	185
5110 - 24	24	370	260
5110 - 27	27	400	320
5110 - 30	30	430	380
5110 - 32	32	430	370
5110 - 36	36	460	525

No.5111 Wrench, Single Box



- Used in Aerospace,Aviation,Military,Hospitals,etc.
Lightweight,Non-magnetic, Strong and Durable.
- Used to tighten or loosen bolts and nuts

Number	S m m	L m m	 g
5111 - 7	7	110	32
5111 - 8	8	110	30
5111 - 10	10	120	35
5111 - 12	12	130	42
5111 - 14	14	140	55
5111 - 17	17	155	65
5111 - 19	19	170	77
5111 - 22	22	190	115
5111 - 24	24	215	145
5111 - 27	27	230	160
5111 - 30	30	255	225
5111 - 32	32	265	255
5111 - 36	36	295	300

No.5112 Wrench, Striking Box

DIN 7444



- Used in Aerospace,Aviation,Military,Hospitals,etc.
Lightweight,Non-magnetic, Strong and Durable.
- For loosening of nuts and bolts where impact or shock loading is required. These are used with hammer.

Number	S m m	L m m	 g
5112 - 17	17	145	85
5112 - 19	19	145	80
5112 - 22	22	155	135
5112 - 24	24	165	130
5112 - 27	27	175	175
5112 - 30	30	185	255
5112 - 32	32	185	245
5112 - 36	36	205	315

No.5115 Wrench, Hex Key With Ball



- Used in Aerospace,Aviation,Military,Hospitals,etc.
Lightweight,Non-magnetic, Strong and Durable.
- Used to fasten or remove socket head cap screws

No.5113 Offset Slogging Box Wrench(American Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc.
Lightweight,Non-magnetic, Strong and Durable.
- Used to tighten or loosen large bolts and nuts.

Number	S m m	L m m	 g
5113 - 19	19	220	400
5113 - 22	22	240	522
5113 - 24	24	240	522
5113 - 27	27	270	695
5113 - 30	30	280	815
5113 - 32	32	290	928

No.5114 Wrench, Hex Key



- Used in Aerospace,Aviation,Military,Hospitals,etc.
Lightweight,Non-magnetic, Strong and Durable.
- Used to fasten or remove socket head cap screws

Number	S m m	L m m	H m m	 g
5114 - 3	3	59	25	4
5114 - 4	4	65	30	8
5114 - 5	5	79	32	12
5114 - 6	6	85	37	15
5114 - 7	7	88	43	18
5114 - 8	8	92	44	24
5114 - 9	9	97	44	32
5114 - 10	10	110	45	42
5114 - 11	11	119	48	58
5114 - 12	12	130	52	76
5114 - 13	13	140	54	100
5114 - 14	14	150	58	115
5114 - 15	15	156	60	145
5114 - 16	16	162	63	170
5114 - 17	17	168	65	205

Number	S m m	L m m	H m m	 g
5115 - 3	3	63	20	3
5115 - 4	4	70	25	7
5115 - 5	5	80	28	12
5115 - 6	6	90	32	17
5115 - 7	7	95	34	28
5115 - 8	8	100	36	32
5115 - 9	9	106	38	47
5115 - 10	10	112	40	55
5115 - 11	11	118	42	78
5115 - 12	12	125	45	90

No.5116 Wrench, T-type Sliding Hex



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- To fasten or remove socket head cap screws in deep concavity space, or matched with socket.

No.5201 Pliers, Adjustable Combination



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Serrated teeth with sliding pivot joint.

No.5203 Pliers, Diagonal Cutting



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Mostly used for cutting wire.

No.5202 Pliers, Lineman



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for cutting and crimping metal or wire.

No.5204 Pliers, Snipe Nose



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for cutting wire or holding tiny components.

No.5205 Pliers, Groove Joint



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials.

No.5206 Pliers, Water Pump



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials.

No.5302 Impact Socket (3/4")



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Work with all kinds of electrical and impact tools.

No.5207 Tweezers, Neat Tips



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Pick up small objects like metal particles.

No.5303 Universal Joint



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- It is commonly used in shafts that transmit rotary motion.

No.5301 Socket (1/2")



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

No.5304 Hinged Handle



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable
- This tool allows the user to impart considerable torque to fasteners, especially in cases where corrosion has resulted in a difficult-to-loosen part.

No.5305 Ratchet Wrench



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.

No.5308 Wrench, Socket L-Type



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Tighten or loosen hex bolts and nuts directly.

No.5306 Sliding T Type Wrench



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Tighten or loosen hex bolts and nuts directly.

No.5401 Knife, Common



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Cutting tool, plastic handle.

No.5307 Driver Extension



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Tighten or loosen hex bolts and nuts directly.

No.5402 Knife, Putty



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight Non-magnetic, Strong and Durable.
- Suitable for scraping or spreading.

No.5403 Knife, Putty



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Suitable for scraping or spreading.

Number	K m m	L m m	g
5403-1002	75	200	110
5403-1004	100	200	135
5403-1006	150	200	210

No.5404 Spatula



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for mixing and spreading.

Number	K m m	L m m	g
5404-1002	30	195	65
5404-1004	50	210	80
5404-1006	75	225	95

No.5405 Scraper, Flat



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Scraping tool.

Number	K m m	L m m	g
5405-1002	30	200	165
5405-1004	30	300	255
5405-1006	35	350	325

No.5502 Phillips Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Fasten and unload phillips bolt(screw nail).

No.5406 Chisel, Flat



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Cutting tool using a mallet or hammer.

Number	B m m	Φ m m	L m m	g
5406-1002	10	10	120	45
5406-1004	12	12	140	75
5406-1006	14	14	160	115
5406-1008	16	16	160	150
5406-1010	18	18	160	190
5406-1012	20	20	200	290
5406-1014	22	22	200	355

No.5407 Bar, Pinch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.

Number	B m m	Φ m m	L m m	g
5407-1002	15	15	500	400
5407-1004	18	18	600	700
5407-1006	20	20	800	1100

No.5501 Slotted Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Fasten and unload slotted bolt screw nail.

Number	H m m	B m m	L m m	g
5501-1002	0.4	3	50	30
5501-1004	0.5	4	75	40
5501-1006	0.6	5	100	53
5501-1008	0.8	6	150	85
5501-1010	1.2	8	200	135

Number	size	Φ m m	L m m	g
5502-1002	0	3	50	30
5502-1004	1	4	75	40
5502-1006	1	5	100	53
5502-1008	2	6	150	85
5502-1010	3	8	200	135

No.5503 Electrician Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Fasten and unload electrician slotted bolt

Number	H m m	B m m	L m m	 g
5503-1002	0.4	3	50	30
5503-1004	0.5	4	75	40
5503-1006	0.8	6	100	75
5503-1008	1.2	8	150	125
5503-1010	1.8	10	200	160

No.5504 Torque Wrench



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.

Number	Size inch	L m m	 g
5405-1002	3/8	355	550

No.5602 Set-24pcs



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.

Tools	Description
Double open end wrench	11/16"×3/4", 9/16"×5/8", 7/16"×1/2"
Combination wrench	10mm, 17mm
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 3/16", 5/32", 5/16"
Diagonal cutting pliers	6"
Long nose pliers	8"
Socket 3/8"	10mm, 17mm
Hinged handle	3/8"×180mm
Flat screwdriver	3×50, 4×100, 8×150
Philips screwdriver	#1×75, #3×150

No.5601 Set-21pcs



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.

Tools	Description
Wrench, Combination	6mm, 8mm, 10mm, 12mm, 14mm, 17mm
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm
Wrench, Socket L-Type	6mm, 8mm, 10mm, 12mm, 14mm

No.5701 Hammer, Ball Pein



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Most common striking tools. Used in metal working.

Number	Size g	L m m	 g
5701-1002	230	280	330
5701-1004	340	280	440
5701-1006	450	310	600
5701-1008	680	340	900

No.5702 Hammer, Cross Pein Engineers



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
- Applied in metal shaping and flanging.

Number	Size g	L m m	 g
5702-1002	230	280	330
5702-1004	340	280	440
5702-1006	450	310	600
5702-1008	500	310	650
5702-1010	600	340	820