



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
- 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
- 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

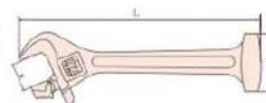
No.125C Wrench, Adjustable

- QB/T2613.8-2005 Die forged
- Laser scale head

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

No.126 Wrench, Adjustable

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

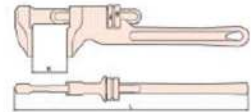


Number	L mm	K _{max} mm	H mm	Be-Cu g	Al-Cu g
126-1002	350	36	80	1384	1251

No.127 Wrench, Monkey



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

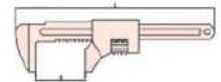


Number	L mm	K _{max} mm	Be-Cu g	Al-Cu g
127-1002	240	45	510	470
127-1004	254	48	615	560
127-1006	305	58	910	820
127-1008	350	65	1220	1120
127-1010	380	70	1465	1340

No.127A Motor Wrench



- Q/ZBF-127A Die forged
- Wide adjustment range, suitable for heavy duty work.

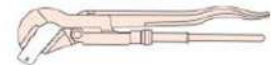


Number	S mm	L mm	Be-Cu g	Al-Cu g
127A-62	62	250	575	520
127A-78	78	280	860	780
127A-82	82	375	1430	1300

No.128 Wrench, Swedish Type 45°



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

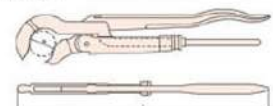


Number	L mm	K mm	Be-Cu g	Al-Cu g
128-1002	430	38	1550	1400
128-1004	530	50	2230	2000

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.

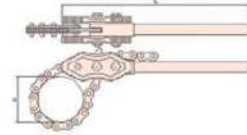


Number	L mm	K mm	Be-Cu g	Al-Cu g
128B-1002	430	38	1480	1330

No.129 Wrench, Chain Pipe



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



Number	L mm	D _{max} mm	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.

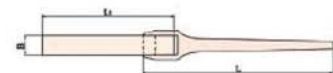


Number	L mm	D _{max} mm	Be-Cu g	Al-Cu g
129A-1002	600	100	2105	1910
129A-1004	1600	450	10500	9500
129A-1006	300	60	1030	940

No.129B Wrench, Belt Pipe



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



Number	L mm	L ₁ mm	B mm	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.

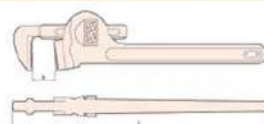


Number	L mm	D mm	Be-Cu g	Al-Cu g
129C-1002	250	10-30	870	780
129C-1004	450	30-60	2450	2200

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	380	345
130-1004	250	30	580	500
130-1006	300	40	750	680
130-1008	350	50	1100	1000
130-1010	450	60	1785	1625
130-1012	600	75	3255	2960
130-1014	900	125	6035	5490
130-1016	1200	150	12280	10870

No.130A Wrench, Pipe



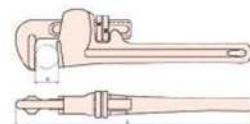
- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	K _{max} mm	Be-Cu g	Al-Cu g
130A-1002	200	25	380	345
130A-1004	250	30	580	500
130A-1006	300	40	750	680
130A-1008	350	50	1100	1000
130A-1010	450	60	1785	1625
130A-1012	600	75	3255	2960
130A-1014	900	125	6035	5490
130A-1016	1200	150	12280	10870

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	420	380
131-1004	250	30	735	670
131-1006	300	40	1050	955
131-1008	350	50	1315	1195
131-1010	450	60	2255	2050
131-1012	600	75	3465	3150
131-1014	900	85	5880	5345
131-1016	1200	110	12600	11450

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
131A-1002	200	25	420	380
131A-1004	250	30	735	670
131A-1006	300	40	1050	955
131A-1008	350	50	1315	1195
131A-1010	450	60	2255	2050
131A-1012	600	75	3465	3150
131A-1014	900	85	5880	5345
131A-1016	1200	110	12600	11450

No.131B Wrench,Pipe (Diagonal Type)

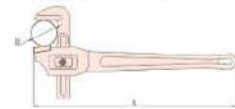
- Q/ZBF-131B Precision Casting
- Used for disassembling or assembling pipes and fittings,
- The bent head (45 degree angle) can be used in special space.



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)

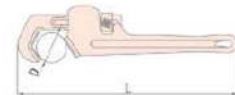
- Q/ZBF-131C Precision Casting
- Used for disassembling or assembling pipes and fittings,
- The bent head (90 degree angle) can be used in special space.



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.

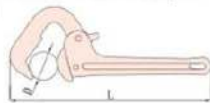


Number	L mm	D _{max} mm	Be-Cu g	Al-Cu g
131E-1002	250	30	1250	1130
131E-1004	350	50	1785	1620

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.



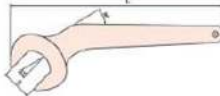
Number	S mm	L mm	Be-Cu g	Al-Cu g
135-6	6	105	22	20
135-7	7	120	37	34
135-8	8	120	37	34
135-9	9	135	55	50
135-10	10	135	55	50
135-11	11	150	75	75
135-12	12	150	75	70
135-13	13	175	122	110
135-14	14	175	122	110
135-15	15	195	160	145
135-16	16	195	155	140
135-17	17	195	155	140
135-18	18	215	210	190
135-19	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	290	420	380
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.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



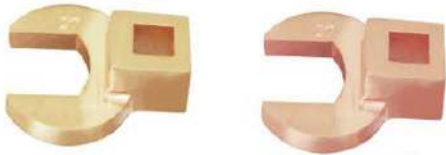
Number	S mm	L mm	Be-Cu g	Al-Cu g
140-8	8	95	40	35
140-10	10	100	50	45
140-12	12	110	65	60
140-14	14	140	95	85
140-17	17	160	105	95
140-19	19	170	130	115
140-22	22	195	170	152
140-24	24	220	190	170
140-27	27	240	285	260
140-30	30	260	320	290
140-32	32	275	400	365
140-34	34	290	455	410
140-36	36	310	530	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

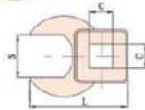


Number	S mm	L mm	Be-Cu g	Al-Cu g
140D-22	22	180	220	180
140D-24	24	196	235	195
140D-27	27	225	330	280
140D-30	30	255	450	390
140D-32	32	275	602	520
140D-36	36	300	901	775
140D-41	41	325	1040	950
140D-46	46	350	1180	1080

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.

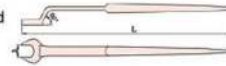


Number	C inch	S inch	L mm	Be-Cu g	Al-Cu g
140A-1002	3/8	9/16	35	55	50
140A-1004		5/8	37	55	50
140A-1006		11/16	38	55	50
140A-1008		7/8	43	60	55
140A-1010		1-1/8	50	83	75
140A-1012		1-1/4	53	95	85
140A-1014		1-3/8	56	103	90
140A-1016		1-1/2	59	130	120
140A-1018		1-7/8	72	180	160
140A-1020		2	75	190	165
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.

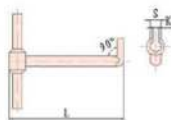


Number	S mm	L mm	Be-Cu g	Al-Cu g
140B-17	17	320	210	195
140B-19	19	350	320	290
140B-22	22	350	430	390
140B-24	24	370	480	430
140B-27	27	370	640	580
140B-30	30	400	800	720
140B-32	32	400	800	720
140B-36	36	430	950	860
140B-41	41	470	1270	1150
140B-46	46	500	1600	1445
140B-50	50	530	1885	1700
140B-55	55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

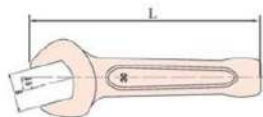
No.140E Rectangular Open End



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

Number	H*B mm	S mm	Be-Cu g	Al-Cu g
140E-1002	9*12	7	45	40
140E-1004		8	44	39
140E-1006		9	43	38
140E-1008		10	48	42
140E-1010		12	50	43
140E-1012		13	60	52
140E-1014		14	60	52
140E-1016		17	70	60
140E-1018		19	85	74
140E-1020	14*18	13	145	129
140E-1022		14	145	129
140E-1024		17	150	136
140E-1026		19	165	147
140E-1028		22	183	165
140E-1030		24	185	167
104E-1032		27	245	219
104E-1034		30	270	245
104E-1036		32	275	246
104E-1038		36	305	275
104E-1040		38	295	265
104E-1042		41	340	307

No.141 Wrench, Striking Open



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

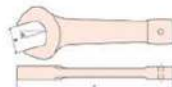
Number	S mm	L mm	Be-Cu g	Al-Cu g
141-17	17	125	150	135
141-19	19	125	150	135
141-22	22	135	195	175
141-24	24	150	245	220
141-27	27	175	335	300
141-30	30	190	435	390
141-32	32	190	515	460
141-36	36	210	800	730
141-41	41	230	955	860
141-46	46	250	1225	1100
141-50	50	275	1560	1420
141-55	55	305	1850	1680
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	210	800	730
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



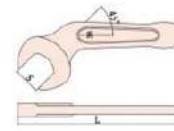
- Q/ZBF-141C Precision Casting
- Used with a hammer to loosen or tighten large bolts and nuts.



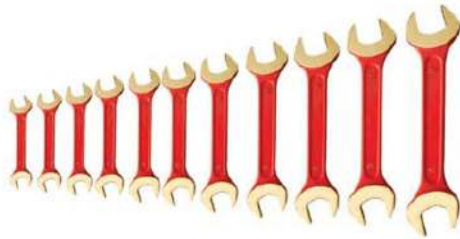
Number	S mm	L mm	Be-Cu g	Al-Cu g
141A-17	17	130	133	120
141A-19	19	140	172	155
141A-22	22	155	252	230
141A-24	24	165	305	275
141A-27	27	175	385	350
141A-30	30	185	515	470
141A-32	32	195	585	535
141A-36	36	210	851	780
141A-41	41	225	1055	965
141A-46	46	240	1245	1140
141A-50	50	255	1580	1445
141A-55	55	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	140	155	140
141B-19	19	140	155	140
141B-22	22	150	190	170
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	210	680	620
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

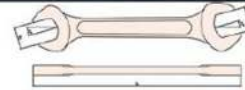
- QB/T 2613.1 Die forged
- Used to tighten or loosen bolts and nuts.

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



- QB/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	360	1690	1530
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.

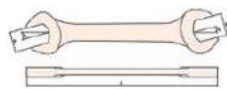


Number	S1*S2 mm	L mm	Be-Cu g	Al-Cu g
146A-1002	14*17	160	110	100
146A-1004	17*19	180	120	110
146A-1006	19*22	200	160	140
146A-1008	19*24	220	180	160
146A-1010	22*24	230	240	220
146A-1012	24*27	255	340	305
146A-1014	27*30	280	420	380
146A-1016	30*32	300	530	480
146A-1018	32*36	320	635	570
146A-1020	34*36	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-Spcs 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

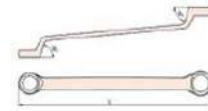


Number	S1*S2 mm	L mm	Be-Cu g	Al-Cu g
151-0507	5.5*7	115	22	20
151-0607	6*7	115	25	23
151-0709	7*9	130	50	46
151-0810	8*10	130	55	50
151-0911	9*11	140	70	65
151-1011	10*11	140	80	75
151-1012	10*12	140	85	78
151-1213	12*13	160	120	110
151-1214	12*14	160	151	140
151-1417	14*17	220	205	180
151-1618	16*18	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

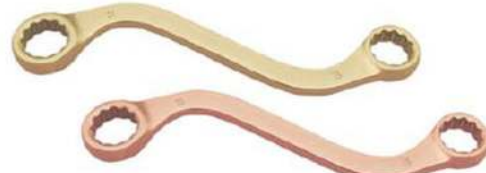


- QB/T2613.5 Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity,
- American type.



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.

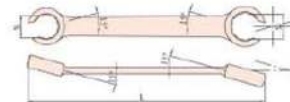


Number	S1*S2 inch	L mm	Be-Cu g	Al-Cu g
153-1002	1/4*5/16	115	30	27
153-1004	5/16*3/8	125	45	40
153-1006	3/8*7/16	140	60	55
153-1008	7/16*1/2	155	90	80
153-1010	1/2*9/16	175	115	105
153-1012	9/16*5/8	215	190	170
153-1014	5/8*11/16	220	205	190
153-1016	11/16*3/4	245	235	215
153-1018	3/4*13/16	255	295	270
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.

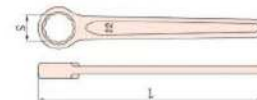


Number	S mm	L mm	Be-Cu g	Al-Cu g
155-8	8	140	60	55
155-10	10	150	70	64
155-11	11	160	80	73
155-12	12	170	90	83
155-13	13	180	102	91
155-14	14	190	115	102
155-15	15	200	125	110
155-16	16	210	130	122
155-17	17	220	165	145
155-18	18	230	180	165
155-19	19	240	230	195
155-20	20	250	242	220
155-21	21	260	251	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

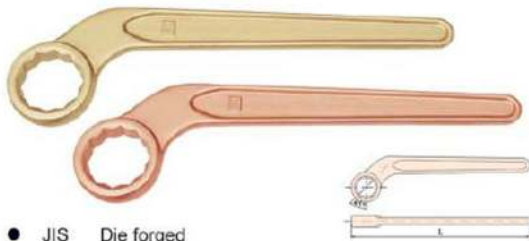


- QB/T2613.5 Die forged
- Used to tighten or loosen bolts and nuts



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

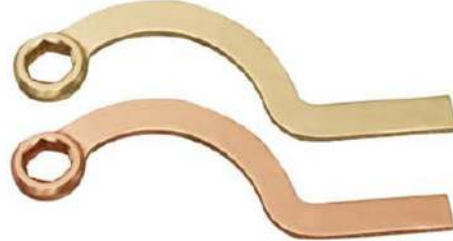
No.157 Wrench, Single Bent Box



- 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.157A 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
157A-22	22	295	420	390
157A-24	24	325	520	490
157A-27	27	350	780	720
157A-30	30	365	940	870
157A-32	32	370	1050	980
157A-36	36	385	1500	1380
157A-41	41	415	2040	1880
157A-46	46	440	2350	2170
157A-50	50	520	3650	3360
157A-55	55	550	4150	3850
157A-60	60	575	5300	4950
157A-65	65	590	5650	5300
157A-70	70	600	6150	5750
157A-75	75	600	6800	6350

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



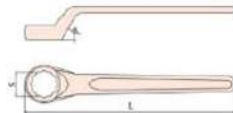
- DIN3111 Precision Casting
- Used to tighten or loosen bolts and nuts, the convex head are suitable for use where space is deep concavity.

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	210	190
160-22	22	155	235	210
160-24	24	165	235	250
160-27	27	175	350	315
160-30	30	185	475	430
160-32	32	185	490	450
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	Size mm	L mm	Be-Cu g	Al-Cu g
160B-1002	17-50	500	1100	1000
160B-1004	50-100	610	1430	1300
160B-1006	100-150	650	1650	1500

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.

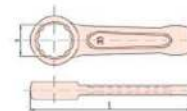


Number	S mm	L mm	Be-Cu g	Al-Cu g
160A-17	17	108	105	95
160A-19	19	117	135	125
160A-22	22	127	192	185
160A-24	24	138	270	250
160A-27	27	150	350	320
160A-30	30	163	460	420
160A-32	32	177	610	555
160A-34	34	192	690	630
160A-36	36	208	780	710
160A-38	38	215	875	805
160A-41	41	225	985	902
160A-46	46	243	1275	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

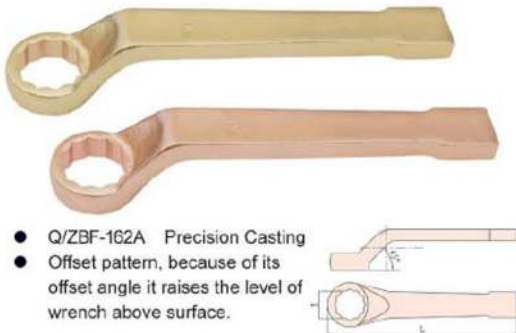
No.162 Wrench, Striking Box



- 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

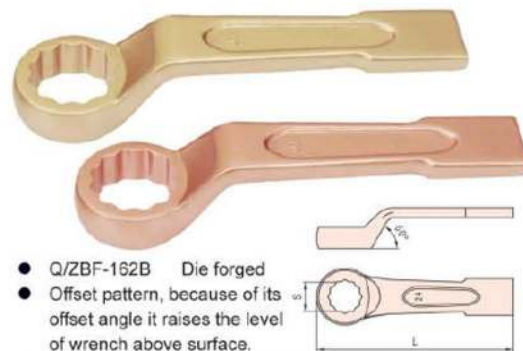
No.162A Wrench, Offset Striking Box



- 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.

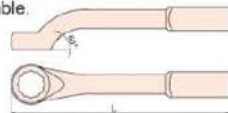


Number	S mm	L mm	Be-Cu g	Al-Cu g
163-22	22	165	330	300
163-24	24	165	330	300
163-27	27	175	370	335
163-30	30	185	530	480
163-32	32	185	475	430
163-36	36	210	740	670
163-41	41	227	950	860
163-46	46	245	1270	1145
163-50	50	257	1590	1435
163-55	55	267	1800	1625
163-60	60	278	2115	1910
163-65	65	298	2580	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.

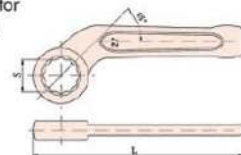


Number	S mm	L mm	Be-Cu g	Al-Cu g
163A-24	24	240	950	860
163A-27	27	270	1150	1035
163A-30	30	280	1480	1340
163A-32	32	290	1690	1530
163A-36	36	300	1900	1720
163A-41	41	320	2110	1910
163A-46	46	340	2750	2485
163A-50	50	350	3170	2870
163A-55	55	360	4125	3730
163A-60	60	375	4335	3920
163A-65	65	390	4440	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.

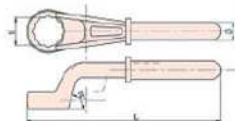


Number	S mm	L mm	Be-Cu g	Al-Cu g
164-24	24	160	280	240
164-27	27	175	370	335
164-30	30	190	525	475
164-32	32	190	500	450
164-36	36	210	630	570
164-41	41	225	750	650
164-46	46	240	1160	1030
164-50	50	255	1240	1100
164-55	55	270	1450	1285
164-60	60	285	1820	1640
164-65	65	300	2645	2390
164-70	70	320	2960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



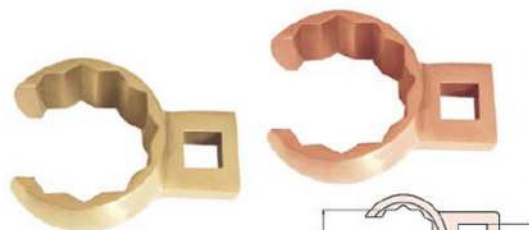
Number mm	Φ mm	L mm	Be-Cu g	Al-Cu g
24-30	19	460	940	850
32-41	22	610	1640	1480
46-55	25	760	2480	2240
60-80	30	860	3890	3515

Extension For No.164A

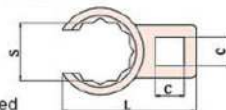


Number mm	Φ mm	L mm	Copper g	Brass g
24-30	19	460	880	830
32-41	22	610	1280	1210
46-55	25	760	2125	2005
60-80	30	860	3265	3080

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.

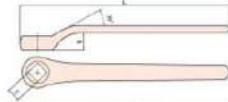


Number	C inch	S inch	L mm	Be-Cu g	Al-Cu g
164B-1002	3/8	7/16	29	35	30
164B-1004		1/2	31	40	35
164B-1006		9/16	33	45	40
164B-1008		5/8	38	50	45
164B-1010		11/16	41	55	50
164B-1012		3/4	43	55	50
164B-1014	1/2	7/8	48	80	70
164B-1016		1	52	85	75
164B-1018		1-1/16	54	90	80
164B-1020		1-1/8	56	100	90
164B-1022		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.

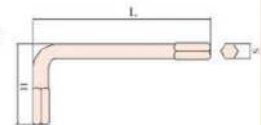


Number	C mm	L mm	H mm	Be-Cu g	Al-Cu g
165-6	6	110	9	65	55
165-8	8	120	10	75	61
165-9	9	140	11	90	75
165-10	10	140	12	105	85
165-11	11	160	13	130	102
165-12	12	190	14	180	145
165-13	13	200	15	185	151
165-14	14	250	16	300	261
165-16	16	250	18	335	285
165-17	17	300	19	420	366
165-19	19	350	20	740	662
165-22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

No.166 Wrench, Hex Key



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

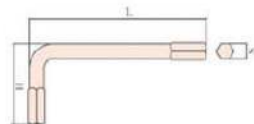


Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
166-1.5	1.5	59	25	8	6
166-2	2	59	25	8	6
166-2.5	2.5	59	25	8	6
166-3	3	59	25	8	6
166-4	4	65	30	10	8
166-5	5	79	32	16	12
166-6	6	85	37	25	20
166-7	7	88	43	34	30
166-8	8	92	44	50	45
166-9	9	97	44	61	55
166-10	10	110	45	82	70
166-11	11	119	48	100	90
166-12	12	130	52	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

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	59	25	8	6
167-1004	5/64	59	25	8	6
167-1006	3/32	59	25	8	6
167-1008	7/64	59	25	8	6
167-1010	1/8	59	25	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

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

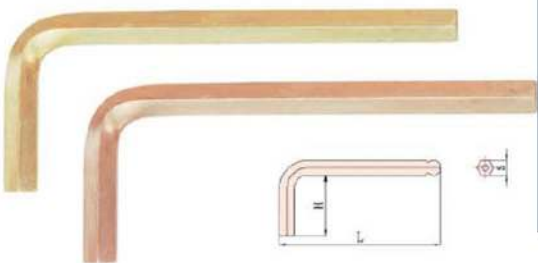


- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

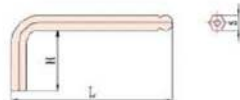


Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
167A-2	2	50	16	3	2
167A-3	3	63	20	5	4
167A-4	4	70	25	12	11
167A-5	5	80	28	22	20
167A-6	6	90	32	30	27
167A-7	7	95	34	50	45
167A-8	8	100	36	56	51
167A-9	9	106	38	85	76
167A-10	10	112	40	100	90
167A-11	11	118	42	140	125
167A-12	12	125	45	175	160

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.167A Wrench, Hex Key With Ball

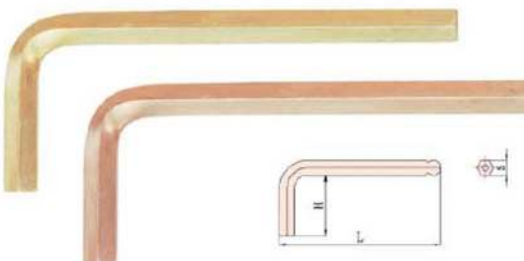


- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.



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

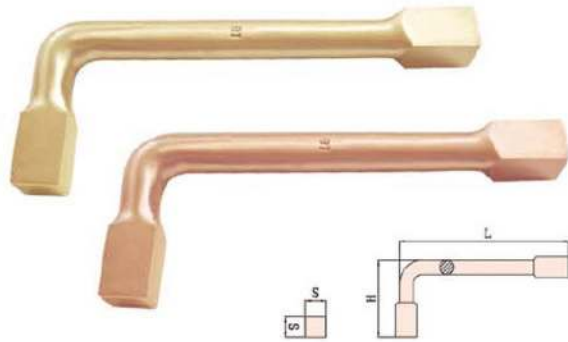


- Q/ZBF-167C
- Used to fasten or remove socket screws.



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

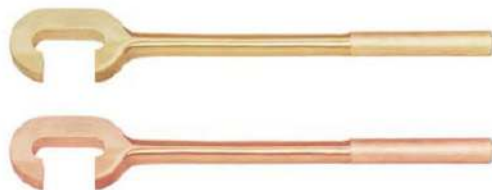
No.167E Trox Key Wrench



- Q/ZBF-167E Die forged
- The cross section resembles a star. Used to fasten or remove star hexagon socket screws.

Number	Size	L mm	H mm	Be-Cu g	Al-Cu g
167E-6	TX6	42	16	8	5
167E-7	TX7	48	16	8	5
167E-8	TX8	48	16	8	5
167E-9	TX9	48	16	8	5
167E-10	TX10	51	17	8	5
167E-15	TX15	54	18	10	8
167E-20	TX20	57	20	13	10
167E-25	TX25	60	20	17	13
167E-27	TX27	64	21	20	15
167E-30	TX30	70	24	30	25
167E-40	TX40	76	26	40	35
167E-45	TX45	83	29	50	45
167E-50	TX50	95	32	75	65
167E-55	TX55	108	35	145	130
167E-60	TX60	120	38	210	190

No.168 Valve Wrench, C 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, C Type

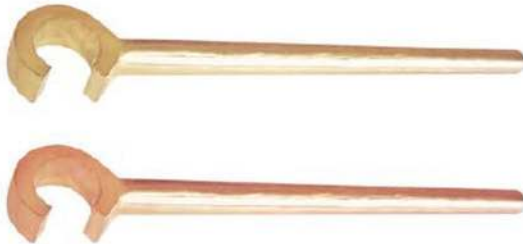


- Q/ZBF-169 Die forged
- Facilitate fitting and removal of radiator valves.



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, C Type



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

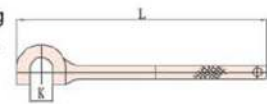


Number	L mm	Φ mm	H mm	Be-Cu g	Al-Cu g
170-1002	600	32	32	4500	4115

No.170B Valve Spanner (U Type)



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

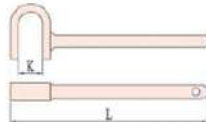


Number	L mm	K _{max} mm	Be-Cu g	Al-Cu g
170B-1002	226	20	370	335

No.170A Valve Spanner (U Type)

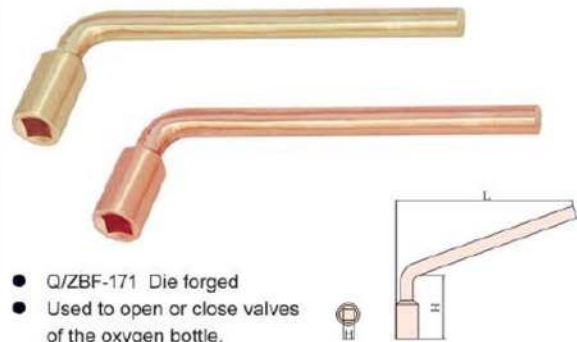


- Q/ZBF-170A Precision Casting
- Tighten or loosen bolts valves.

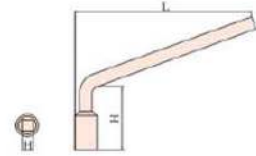


Number	L mm	K _{max} mm	Be-Cu g	Al-Cu g
170A-1002	234	20	260	235
170A-1004	280	30	820	740
170A-1006	335	35	980	885
170A-1008	400	35	1640	1480

No.171 Oxygen Bottle Wrench

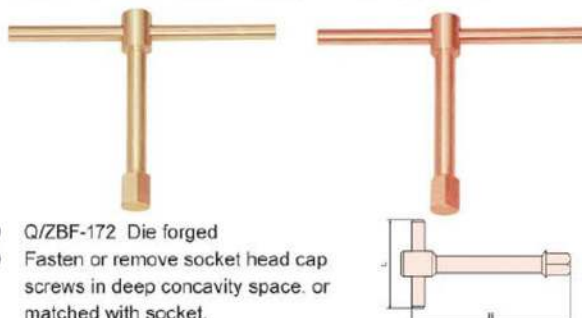


- Q/ZBF-171 Die forged
- Used to open or close valves of the oxygen bottle.



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



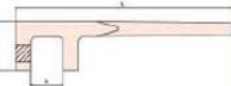
- Q/ZBF-172 Die forged
- Fasten or remove socket head cap screws in deep concavity space, or matched with socket.

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.174 Valve Handle



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



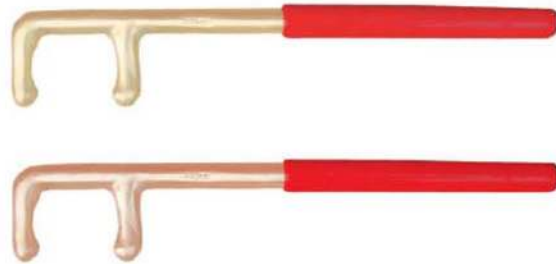
Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
174-30	30	200	44	405	340
174-35	35	250	49	465	410
174-40	40	300	50	595	540
174-45	45	350	61	835	762
174-48	48	375	62	865	790
174-50	50	400	67	892	815
174-55	55	450	73	1270	1110
174-60	60	500	79	1570	1435
174-65	65	550	80	1920	1755
174-70	70	600	80	1945	1775
174-75	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

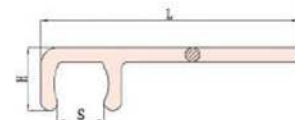


- QB/T2613.9 Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.

No.174A Valve Handle



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



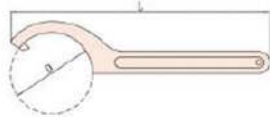
Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
174A-30	30	200	46	265	240
174A-35	35	250	52	375	340
174A-40	40	300	54	450	400
174A-45	45	350	60	585	530
174A-50	50	400	68	740	670
174A-55	55	450	74	830	750
174A-60	60	500	80	1200	1100
174A-65	65	550	83	1280	1160
174A-70	70	600	88	1380	1250
174A-75	75	650	93.5	1650	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.173 Wrench, Hook

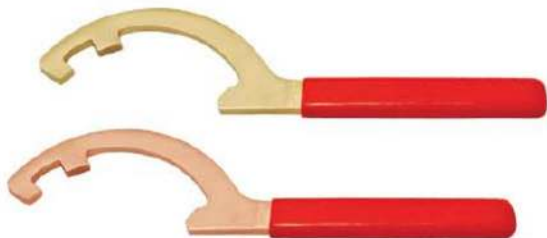


- DIN 1810 Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.



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	244	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



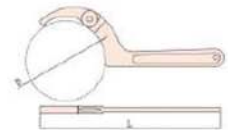
- Q/ZBF-173A Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.

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

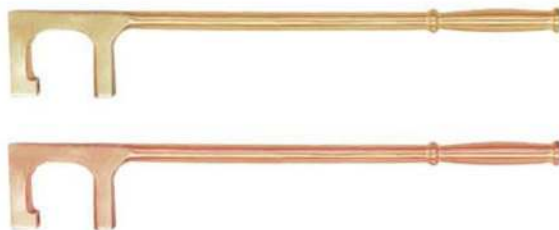
No.173C Hook Wrench With Pin



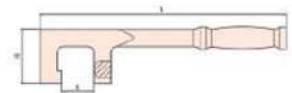
- Q/ZBF-173C Die forged
- For nuts with radial holes.

Number	D mm	L mm	Be-Cu g	Al-Cu g
173C-1002	30-32	136	63	50
173C-1004	34-36	171	95	85
173C-1006	40-42	171	105	95
173C-1008	45-50	207	160	145
173C-1010	52-55	207	170	150
173C-1012	58-62	243	225	200
173C-1014	68-75	243	265	240
173C-1016	80-90	281	375	335
173C-1018	95-100	281	415	370
173C-1020	110-115	333	770	690

No.175 Valve Handle



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

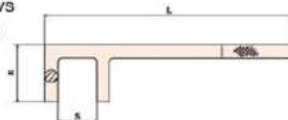


Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
175-22	22	200	50	390	345
175-28	28	250	53	550	475
175-34	34	300	56	722	615
175-39	39	350	60	905	780
175-44	44	400	64	1050	910
175-48	48	450	69	1260	1130
175-53	53	500	74	1405	1250
175-58	58	550	79	1890	1720
175-63	63	600	84	2220	2005

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.

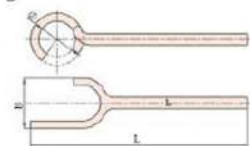


Number	K mm	L mm	Be-Cu g	Al-Cu g
176A-1002	40	355	915	825

No.176B Valve Spanner



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

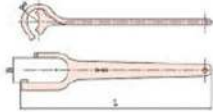


Number	B mm	Φ mm	L mm	Be-Cu g	Al-Cu g
176B-1002	60	36	370	730	650
176B-1004	80	48	430	1520	1350
176B-1006	102	62	550	2250	2000

No.176C Valve Spanner

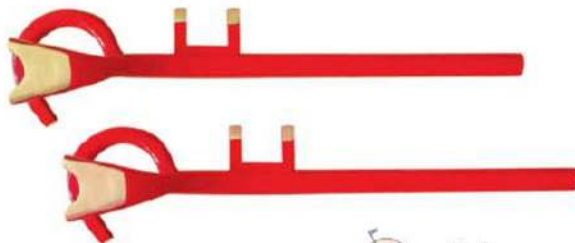


- Q/ZBF-176C Precision Casting
- Used to provide leverage on hand-operated valve wheels.

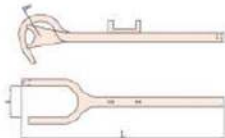


Number	B mm	R mm	L mm	Be-Cu g	Al-Cu g
176C-1002	30	15	250	415	375
176C-1004	40	20	300	540	485
176C-1006	50	25	400	1050	950
176C-1008	60	30	550	1800	1630
176C-1010	130	65	750	4900	4430

No.176D Valve Spanner



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

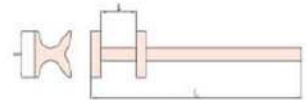


Number	B mm	R mm	L mm	Be-Cu g	Al-Cu g
176D-1002	50	22.5	290	775	700
176D-1004	60	35.5	430	1770	1580
176D-1006	80	40	520	2770	2500
176D-1008	90	45	660	4080	3660

No.176E Valve Spanner



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

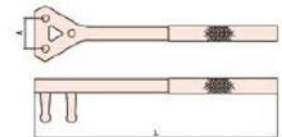


Number	S mm	H mm	L mm	Be-Cu g	Al-Cu g
176E-1002	40	50	300	590	540
176E-1004	55	74	450	1165	1050
176E-1006	70	80	600	1950	1700
176E-1008	90	100	800	2800	2600

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

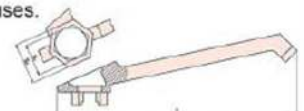
- QB/T2613.4 Precision Casting
- Commonly used to open bungs on large oil drums.



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

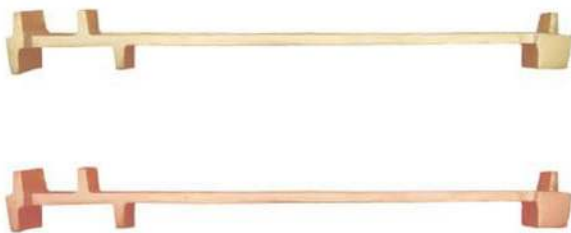
No.179A Wrench, Bung

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

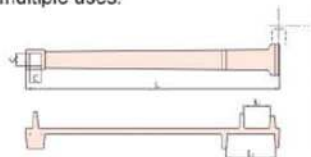


Number	L mm	S ₁ mm	S ₂ mm	Be-Cu g	Al-Cu g
179A-1002	300	38	52	830	750

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.179C Drum Opener



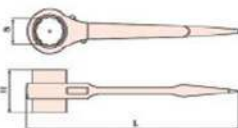
- Q/ZBF-179C Die forged
- Used for opening oil drum.

Number	Size mm	Be-Cu g	Al-Cu g
179C-1002	520	3100	2800

No.180 Ratchet Wrench

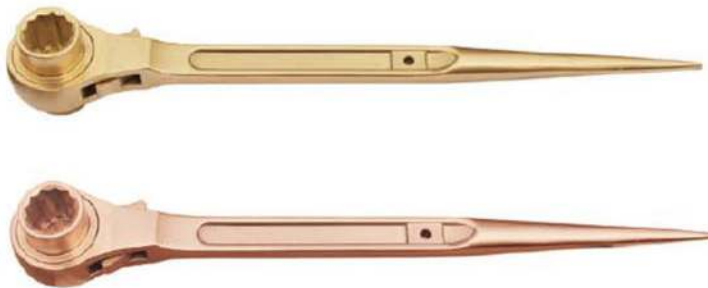


- Q/ZBF-180 Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.



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.180A Ratchet Wrench



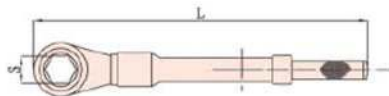
- Q/ZBF180A Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	Be-Cu g	Al-Cu g
180B-22	22	400-650	1700	1550
180B-24	24	460-700	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

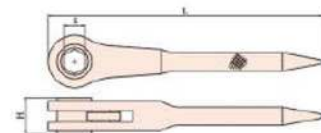
Number	S ₁ mm	S ₂ mm	L mm	Be-Cu g	Al-Cu g
180A-1417	14	17	280	410	370
180A-1719	17	19	310	450	410
180A-1922	19	22	345	530	480
180A-2224	22	24	365	680	620
180A-2427	24	27	380	860	780
180A-2730	27	30	400	990	900
180A-3032	30	32	400	1025	930
180A-3236	32	36	450	1450	1300
180A-3641	36	41	495	1860	1690

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

No.180B Ratchet Wrench



No.181 Ratchet Wrench



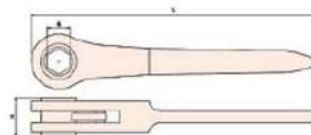
- Q/ZBF-181 Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

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.

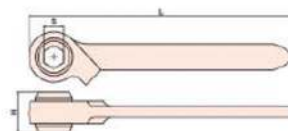


Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
182-17	17	230	35	725	621
182-19	19	240	35	745	652
182-21	21	250	38	942	831
182-22	22	260	38	963	835
182-24	24	270	39	1175	1022
182-26	26	280	39	1221	1053
182-27	27	285	39	1253	1102
182-30	30	300	42	1532	1325
182-32	32	315	42	1622	1427
182-35	35	325	43	1821	1633
182-36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

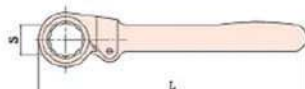


Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
183-17	17	250	35	710	650
183-19	19	250	42	896	820
183-21	21	250	42	1030	940
183-22	22	250	42	1105	1010
183-24	24	250	48	1345	1230
183-26	26	250	48	1365	1250
183-27	27	250	48	1580	1450
183-30	30	250	53	1795	1640
183-32	32	250	53	1990	1820
183-35	35	250	60	2010	1840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

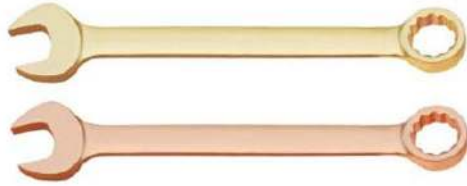
No.183A Ratchet Wrench



- 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

No.136 Wrench, Combination

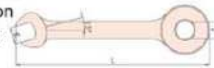
- DIN3113 Die forged
- Both ends generally fit the same size of bolts and nuts.



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	840	11350	10369
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	190
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