

# Titanium Tools

## K



*non magnetic corrosion resistant*

*lightweight hard durable*

### **Titanium tools**

Hardness: HRC33-43

Breaking: MPA $\geq$ 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 mm	K <sup>max</sup> mm	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 mm	K <sup>max</sup> mm	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 mm	L mm	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 mm	L mm	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 mm	L mm	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 mm	L mm	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 mm	L mm	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 B378



- 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 mm	L mm	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 mm	L mm	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 mm	L mm	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 mm	L mm	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 mm	L mm	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 Slugging 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 mm	L mm	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 mm	L mm	H mm	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 mm	L mm	H mm	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 is 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 mm	L mm	g
5403-1002	75	200	110
5403-1004	100	200	135
5403-1006	150	200	210

**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 mm	Φ mm	L mm	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.5404 Spatula**



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Used for mixing and spreading

Number	K mm	L mm	g
5404-1002	30	195	65
5404-1004	50	210	80
5404-1006	75	225	95

**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 mm	Φ mm	L mm	g
5407-1002	15	15	500	400
5407-1004	18	18	600	700
5407-1006	20	20	800	1100

**No.5405 Scraper, Flat**



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Scraping tool.

Number	K mm	L mm	g
5405-1002	30	200	165
5405-1004	30	300	255
5405-1006	35	350	325

**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 mm	B mm	L mm	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

**No.5502 Phillips Screwdriver**



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.
- Fasten and unload phillips bolt(screw nail).

Number	size	Φ mm	L mm	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 mm	B mm	L mm	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 mm	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 Wrench, Hex Key	10mm, 17mm 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
Phillips 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 mm	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 mm	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