



ISO-9001 CE UL SF

07'~09'



KIRICI TABANÇALAR	2, 3
KIRICI & PERÇİN TABANÇALARI	4
RASPA TABANÇALARI	5
İĞNELİ RASPA TABANÇALARI	6
AKSESUARLAR	7, 8



ENDÜSTRİYEL



PROFESYONEL



GEMİ BAKIM



ARAÇ BAKIM



ÜRETİM HATTI



HOBİ(TAIWAN)



HOBİ(CHINA)



YAPI İNŞAATI



MARANGOZ ATÖLYE



DÖŞEMECİLİK

KIRICI TABANCALAR



AT-2033/H
150mm air hammer (hex.)
AT-2033/R
150mm air hammer (round)



AT-2034/H
190mm air hammer (hex.)
AT-2034/R
190mm air hammer (round)



AT-2036/H
190mm air hammer
w/quick change retainer (hex.)
AT-2036/R
190mm air hammer
w/quick change retainer (round)



AT-2037/H
250mm air hammer
w/quick change retainer (hex.)
AT-2037/R
250mm air hammer
w/quick change retainer (round)



AT-2011/H
150mm air hammer (hex.)
AT-2011/R
150mm air hammer (round)



AT-2012/H
190mm air hammer (hex.)
AT-2012/R
190mm air hammer (round)



AT-2013/H
250mm air hammer (hex.)
AT-2013/R
250mm air hammer (round)



AT-2012K/H
9pcs air hammer kit (hex.)
AT-2012K/R
9pcs air hammer kit (round)



AT-2010/H
150mm air hammer
w/4 pcs chisel (hex.)
AT-2010/R
150mm air hammer
w/4 pcs chisel (round)



AT-2020/H
190mm air hammer
w/4 pcs chisel (hex.)
AT-2020/R
190mm air hammer
w/4 pcs chisel (round)



AT-2030/H
250mm air hammer
w/4 pcs chisel (hex.)
AT-2030/R
250mm air hammer
w/4 pcs chisel (round)



AT-2020K/H
Air hammer & attachment kit (hex.)
AT-2020K/R
Air hammer & attachment kit (round)



Model No.	Chisel Shank (inch)		Bore Diameter (I.D)		Piston Stroke Length		Blow per min. (B.P.M.)	Overall Length		Air Inlet (PT)	Air Hose (ID)	Avg. Air Consumption		Net Weight		Working Air Pressure		Packing Pcs/Ctn/G. W/Cuft (kg)	Sug. Air Comp. (HP)
	Round	Hex.	inch	mm	inch	mm		inch	mm			scfm	l/min	lb	kg	psi	kg/cm ²		
AT-2010	0.401	0.410	3/4	19.05	1 ⁵ / ₈	41	4500	5.24	133	1/4"	3/8"	10	283	3.09	1.40	90	6.3	10/Ctn/17 kg/0.65'	2
AT-2011	0.401	0.410	3/4	19.05	1 ⁵ / ₈	41	4500	5.24	133	1/4"	3/8"	10	283	3.09	1.40	90	6.3	10/Ctn/15 kg/0.65'	2
AT-2012	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3000	7.00	178	1/4"	3/8"	10	283	3.53	1.60	90	6.3	10/Ctn/19 kg/0.9'	2
AT-2013	0.401	0.410	3/4	19.05	3 ⁵ / ₈	92	2200	8.50	216	1/4"	3/8"	10	283	4.50	2.04	90	6.3	10/Ctn/22 kg/1.3'	2
AT-2020	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3000	7.00	178	1/4"	3/8"	10	283	3.53	1.60	90	6.3	10/Ctn/21 kg/0.9'	2
AT-2030	0.401	0.410	3/4	19.05	3 ⁵ / ₈	92	2200	8.50	216	1/4"	3/8"	10	283	4.50	2.04	90	6.3	10/Ctn/24 kg/1.3'	2
AT-2033	0.401	0.410	3/4	19.05	1 ⁵ / ₈	41	4500	5.71	145	1/4"	3/8"	7	198	2.03	0.92	90	6.3	10/Ctn/13 kg/0.65'	2
AT-2034	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3000	7.09	180	1/4"	3/8"	7	198	2.78	1.26	90	6.3	10/Ctn/17 kg/0.9'	2
AT-2036	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3200	6.93	176	1/4"	3/8"	7	198	3.70	1.68	90	6.3	5/Ctn/12.2 kg/0.5'	2
AT-2037	0.401	0.410	3/4	19.05	3 ³ / ₄	97	2200	8.86	225	1/4"	3/8"	7	198	4.45	2.02	90	6.3	5/Ctn/14 kg/0.63'	2

R : for round chisel shank H : for hex. chisel shank

KIRICI TABANCALAR

AT-2014/H
135mm air hammer(hex.)
AT-2014/R
135mm air hammer(round)



AT-2015/H
190mm air hammer (hex.)
AT-2015/R
190mm air hammer (round)



AT-2016/H
250mm air hammer (hex.)
AT-2016/R
250mm air hammer (round)



AT-2027/H
Vibration-damped
210mm air hammer (hex.)
AT-2027/R
Vibration-damped
210mm air hammer (round)



AT-2028/H
Vibration-damped
250mm air hammer (hex.)
AT-2028/R
Vibration-damped
250mm air hammer (round)



AT-2031/H
Shock reduced air hammer (hex.)
AT-2031/R
Shock reduced air hammer (round)



AT-2032/H
Shock reduced air hammer (hex.)
AT-2032/R
Shock reduced air hammer (round)



AT-2027K/H
Vibration-damped
210mm air hammer kit (hex.)
AT-2027K/R
Vibration-damped
210mm air hammer kit (round)



AT-2028K/H
Vibration-damped
250mm air hammer kit (hex.)
AT-2028K/R
Vibration-damped
250mm air hammer kit (round)



AT-2031K/H
Shock reduced
air hammer kit (hex.)
AT-2031K/R
Shock reduced
air hammer kit (round)



AT-2032K/H
Shock reduced
air hammer kit (hex.)
AT-2032K/R
Shock reduced
air hammer kit (round)



Model No.	Chisel Shank (inch)		Bore Diameter (I.D)		Piston Stroke Length		Blow per min. (B.P.M.)	Overall Length		Air Inlet (PT)	Air Hose (ID)	Avg. Air Consumption		Net Weight		Working Air Pressure		Packing Pcs/Ctn/G. W/CuFt (kg)	Sug. Air Comp. (HP)
	Round	Hex.	inch	mm	inch	mm		inch	mm			scfm	l/min	lb	kg	psi	kg/cm ²		
AT-2014	0.401	0.410	3/4	19.05	1 ⁷ / ₈	48	4400	6.10	155	1/4"	3/8"	10	283	3.09	1.40	90	6.3	10/Ctn/16 kg/0.65'	2
AT-2015	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3000	7.00	178	1/4"	3/8"	10	283	3.53	1.60	90	6.3	10/Ctn/18 kg/0.8'	2
AT-2016	0.401	0.410	3/4	19.05	3 ⁵ / ₈	92	2200	10.00	255	1/4"	3/8"	10	283	5.29	2.40	90	6.3	10/Ctn/26 kg/1.0'	2
AT-2027	0.401	0.410	3/4	19.05	3 ³ / ₁₆	81	2500	9.45	240	1/4"	3/8"	8.5	241	5.29	2.40	90	6.3	6/Ctn/16 kg/1.0'	2
AT-2028	0.401	0.410	3/4	19.05	3 ³ / ₄	96	2100	11.02	280	1/4"	3/8"	8.5	241	5.73	2.60	90	6.3	6/Ctn/17 kg/1.0'	2
AT-2031	0.401	0.410	3/4	19.05	2 ⁵ / ₈	66	3000	9.25	235	1/4"	3/8"	7.5	212	4.00	1.80	90	6.3	10/Ctn/21 kg/1.0'	2
AT-2032	0.401	0.410	3/4	19.05	3 ¹ / ₂	89	2100	11.22	285	1/4"	3/8"	7.5	212	4.80	2.18	90	6.3	10/Ctn/24 kg/1.0'	2

Model No.	AT-2027K	AT-2028K	AT-2031K	AT-2032K
Contents	1 Pc Air Hammer, AT-2027 1 Pc Retainer Spring 1 Pc Quick Change Retainer 5 Pcs 7" Chisel 1 Pc Blow Case Packing : 5 Set/Ctn/23 kg/1.7'	1 Pc Air Hammer, AT-2028 1 Pc Retainer Spring 1 Pc Quick Change Retainer 5 Pcs 7" Chisel 1 Pc Blow Case Packing : 5 Set/Ctn/25 kg/1.7'	1 Pc Air Hammer, AT-2031 1 Pc Retainer Spring 1 Pc Quick Change Retainer 5 Pcs 7" Chisel 1 Pc Blow Case Packing : 5 Set/Ctn/20 kg/2.1'	1 Pc Air Hammer, AT-2032 1 Pc Retainer Spring 1 Pc Quick Change Retainer 5 Pcs 7" Chisel 1 Pc Blow Case Packing : 5 Set/Ctn/225 kg/2.1'

R : for round chisel shank H : for hex. chisel shank

KIRICI&PERÇİN TABANÇALARI

AT-2104/H
4" chipping hammer (hex.)
AT-2104/R
4" chipping hammer (round)



AT-2103/H
3" chipping hammer (hex.)
AT-2103/R
3" chipping hammer (round)



AT-2102/H
2" chipping hammer (hex.)
AT-2102/R
2" chipping hammer (round)



AT-2101/H
1" chipping hammer (hex.)
AT-2101/R
1" chipping hammer (round)



AT-2100/H
Mini chipping hammer (hex.)
AT-2100/R
Mini chipping hammer (round)



AT-2110/H
Mini chipping hammer (hex.)
AT-2110/R
Mini chipping hammer (round)



AT-2202
Air riveting hammer



AT-2203
Air riveting hammer



AT-2204
Air riveting hammer



AT-2205
Air riveting hammer



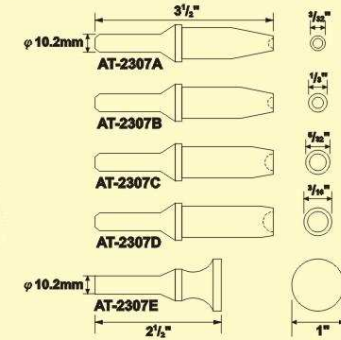
AT-2207
Air riveting hammer



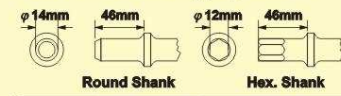
AT-2209
Air riveting hammer



Chisel For Riveting Hammer

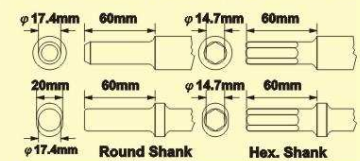


Chisel Suits Mini Chipping Hammer



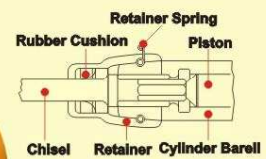
	Overall Length		Chisel No.	
	mm	In	Round Shank	Hex. Shank
Flat	250	1 ⁷ / ₈ "	AT-2302/R	AT-2302/H
Mail Point	250	9 ⁷ / ₈ "	AT-2301/R	AT-2301/H

Chisel Suits 1" to 4" Chipping Hammer



	Overall Length		Chisel No.	
	mm	In	Round Shank	Hex. Shank
Flat	250	1 ⁷ / ₈ "	AT-2304/R	AT-2304/H
Mail Point	250	9 ⁷ / ₈ "	AT-2303/R	AT-2303/H

Chisel Retainer (Option) Suits 1" to 4" Chipping Hammer



Model No.	Chisel Shank	Piston Diameter		Piston Stroke		Blow per min. (B.P.M.)	Overall Length		Air Inlet (PT)	Air Hose (ID)	Avg. Air Consumption		Net Weight		Work Air Pressure		Packing Pcs/Ctn/G. Wt/Cuft (kg)	Sug. Air Comp. (HP)	
		inch	mm	inch	mm		inch	mm			scfm	l/min	lb	kg	psi	kg/cm²			
AT-2100H/R	12/14mm	25/32	20.0	1 ⁴⁹ / ₆₄	45.0	3000	9.6	243	1/4"	3/8"	12	360	5.70	2.60	90	6.3	10/Ctn/31.5 kg/1.45'	3	
AT-2110H/R	12/14mm	25/32	20.0	1 ⁴⁹ / ₆₄	45.0	3000	9.6	243	1/4"	3/8"	12	360	5.70	2.60	90	6.3	10/Ctn/31.5 kg/1.45'	3	
AT-2101H/R	14.7/17.3mm	1 ¹ / ₈	28.6	1	25.4	2820	12.1	308	3/8"	1/2"	16	453	12.00	5.50	90	6.3	2/Ctn/15.7 kg/0.87'	5	
AT-2102H/R	14.7/17.3mm	1 ¹ / ₈	28.6	2	51.0	2400	12.9	327	3/8"	1/2"	16	453	13.00	5.90	90	6.3	2/Ctn/15.9 kg/1.0'	5	
AT-2103H/R	14.7/17.3mm	1 ¹ / ₈	28.6	3	76.0	1920	14.9	378	3/8"	1/2"	16	453	14.25	6.50	90	6.3	2/Ctn/16.9 kg/1.06'	5	
AT-2104H/R	14.7/17.3mm	1 ¹ / ₈	28.6	4	102.0	1500	16.1	410	3/8"	1/2"	16	453	15.50	7.00	90	6.3	2/Ctn/17 kg/1.08'	5	
AT-2202	0.401	10.2	1/2	12.7	2 ¹ / ₄	57.2	2850	6.7	170	1/4"	3/8"	10	283	2.42	1.10	90	6.3	10/Ctn/15.5 kg/1.16'	2
AT-2203	0.401	10.2	1/2	12.7	2 ¹ / ₈	73.0	2160	7.3	186	1/4"	3/8"	10	283	2.64	1.20	90	6.3	10/Ctn/16.5 kg/1.16'	2
AT-2204	0.401	10.2	1/2	12.7	3 ¹ / ₁₆	77.8	1740	8.3	211	1/4"	3/8"	10	283	3.31	1.50	90	6.3	10/Ctn/17.5 kg/1.16'	2
AT-2205	0.498	12.6	3/4	19.1	2 ¹¹ / ₁₆	68.3	1600	9.1	230	1/4"	3/8"	10	283	4.74	2.15	90	6.3	10/Ctn/26 kg/1.6'	2
AT-2207	0.498	12.6	3/4	19.1	3 ⁷ / ₈	98.4	1140	10.1	256	1/4"	3/8"	10	283	5.11	2.32	90	6.3	10/Ctn/28 kg/1.6'	2
AT-2209	0.498	12.6	3/4	19.1	5 ¹³ / ₁₆	147.6	900	11.2	284	1/4"	3/8"	10	283	5.99	2.72	90	6.3	10/Ctn/30.5 kg/1.6'	2

R : for round chisel shank H : for hex. chisel shank

AT-2508
Air scaling hammer (three heads)



AT-2507
Air scaling hammer (single head)



AT-2506
Long reach scraper



AT-2506L
Long reach scraper



AT-2513
Air flux chipper



AT-2510
Air gasket scraper



AT-2511
Air flux chipper



AT-2512
Air flux chipper



AT-2680F
Air flux chipper



AT-2501
Air flux chipper



AT-2502
Air flux chipper



Model No.	Piston Size (mm)	Blow per min. (B.P.M.)	Overall Length		Air Inlet (PT)	Air Hose (ID)	Avg. Air Consumption		Net Weight		Working Air Pressure		Packing Pcs/Ctn/G.W/Cuft (kg)	Sug. Air Comp. (HP)
			inch	mm			scfm	l/min	lb	kg	psi	kg/cm ²		
AT-2501	23.5×20×73	3000	13.20	335	1/4"	3/8"	4	113	5.70	2.6	90	6.3	10/Ctn/27 kg/0.7'	1.5
AT-2502	23.5×20×73	2820	9.80	250	1/4"	3/8"	4	113	5.70	2.6	90	6.3	6/Ctn/16 kg/0.8'	1.5
AT-2506	28.5×23.8×90	2200	24.40	620	3/8"	3/8"	4	113	25.3	11.5	90	6.3	2/Ctn/25 kg/1.5'	1.5
AT-2506L	28.5×23.8×90	2200	48.00	1220	3/8"	3/8"	4	113	25.3	11.5	90	6.3	2/Ctn/25 kg/1.5'	1.5
AT-2507	30×24×75	7200	18.90	480	3/8"	3/8"	5	142	4.20	1.9	90	6.3	6/Ctn/10.0 kg/1.5'	1.5
AT-2508	27×21×69	2800	19.50	496	3/8"	3/8"	8	226	8.60	3.9	90	6.3	2/Ctn/9.0 kg/1.5'	2
AT-2510	1/2"	5500	9.61	244	1/4"	3/8"	3.5	99	1.63	0.74	90	6.3	10/Ctn/10 kg/0.5'	1.5
AT-2511	18×14×47	4800	13.00	330	1/4"	3/8"	4	113	2.62	1.19	90	6.3	10/Ctn/12 kg/0.5'	1.5
AT-2512	25×50.5	4400	11.40	290	1/4"	3/8"	8	226	5.73	2.6	90	6.3	10/Ctn/27 kg/0.7'	2
AT-2513	33×28.5×94	2000	15.70	400	1/4"	3/8"	8	226	11.00	5.0	90	6.3	4/Ctn/22 kg/2.3'	2
AT-2680F	25.4×43.5	4000	13.00	330	1/4"	3/8"	8	226	5.50	2.5	90	6.3	10/Ctn/26 kg/1.2'	2

F : flux chipper

İĞNELİ RASPA TABANÇALARI



AT-2523
Air needle scaler



AT-2504
Air needle scaler



AT-2505
Air needle scaler



AT-2503
Air needle scaler



AT-2500
Air needle scaler



AT-2680N
Air needle scaler



AT-2520
Air needle scaler



AT-2521
Air needle scaler



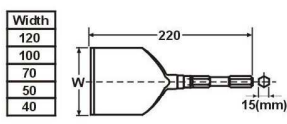
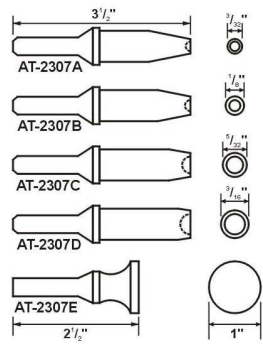
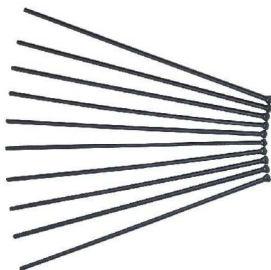
AT-2522
Air needle scaler



Model No.	Standard Needles	Optional Needles	Blow per min. (B.P.M.)	Overall Length		Air Inlet (PT)	Air Hose (ID)	Avg. Air Consumption		Net Weight		Working Air Pressure		Packing Pcs/Ctn/G.W/Cuft (kg)	Sug. Air Comp. (HP)
				inch	mm			scfm	l/min	lb	kg	psi	kg/cm ²		
AT-2500	φ 3×180×19pcs	φ 2×180×29pcs	3000	12.5	318	1/4"	3/8"	4	113	6.17	2.80	90	6.3	10/Ctn/28 kg/0.7'	2
AT-2503	φ 3×180×28pcs	φ 4×180×14pcs φ 2×180×66pcs	3500	14.2	360	3/8"	3/8"	8	226	7.70	3.50	90	6.3	6/Ctn/27 kg/2.1'	3
AT-2504	φ 4×180×35pcs	φ 2×180×66pcs φ 3×180×49pcs	2500	20.0	508	1/4"	3/8"	6	170	13.0	5.90	90	6.3	6/Ctn/21 kg/1.2'	3
AT-2505	φ 3×180×19pcs	φ 2×180×29pcs	3000	9.6	250	1/4"	3/8"	4	113	5.70	2.60	90	6.3	6/Ctn/21 kg/1.2'	2
AT-2520	φ 3×180×12pcs	-	4000	12.6	320	3/8"	3/8"	4	113	5.30	2.40	90	6.3	6/Ctn/16 kg/0.4'	2
AT-2521	φ 3×125×12pcs	-	4800	11.4	290	1/4"	3/8"	4	113	2.60	1.19	90	6.3	10/Ctn/15 kg/0.5'	2
AT-2522	φ 3×180×19pcs	-	4400	9.1	230	1/4"	3/8"	8	226	5.95	2.70	90	6.3	6/Ctn/18 kg/0.6'	3
AT-2523	φ 2×150×29pcs	-	4000	8.3	210	1/4"	3/8"	4	113	3.46	1.57	90	6.3	6/Ctn/11 kg/0.8'	2
AT-2680N	φ 3×180×19pcs	-	4000	16.1	410	1/4"	3/8"	8	226	5.70	2.60	90	6.3	10/Ctn/29 kg/1.2'	3

N : needle scaler

	Part No.	Index	Description	For Air Tools
	AT-2001	1	Retainer spring	AT-2010 AT-2011 AT-2012 AT-2013 AT-2014 AT-2015 AT-2016 AT-2017 AT-2018 AT-2020 AT-2027 AT-2028 AT-2030 AT-2031 AT-2032 AT-2033 AT-2034 AT-2036 AT-2037
	AT-2002	2	Quick change retainer	
	AT-2005	3	Quick change retainer	
	AT-2006	4	2 ply universal retainer spring	
	AT-2305C	1	Retainer spring open type	AT-2110/R AT-2110/H
	AT-2306C	2	Retainer spring close type	
	AT-2305R	1	Retainer spring open type	AT-2205 AT-2207 AT-2209
	AT-2306R	2	Retainer spring close type	
	AT-2305A	1	Retainer spring open type	AT-2202 AT-2203 AT-2204
	AT-2306A	2	Retainer spring close type	
	AT-2003/H		4 pcs 125mm Chisel set (HEX)	AT-2011/H AT-2012/H AT-2013/H AT-2014/H AT-2015/H AT-2016/H AT-2017/H AT-2018/H AT-2027/H AT-2028/H AT-2031/H AT-2032/H AT-2033/H AT-2034/H AT-2036/H AT-2037/H
	TP-2001	1	125mm Point chisel (HEX)	
	TP-2003	2	125mm Edging chisel (HEX)	
	TP-2005	3	125mm Cutting chisel (HEX)	
	TP-2007	4	125mm Flat chisel (HEX)	
	AT-2003/R		4 pcs 125mm Chisel set (ROUND)	AT-2011/H AT-2012/H AT-2013/H AT-2014/H AT-2015/H AT-2016/H AT-2017/H AT-2018/H AT-2027/H AT-2028/H AT-2031/H AT-2032/H AT-2033/H AT-2034/H AT-2036/H AT-2037/H
	TP-2002	1	125mm Point chisel (ROUND)	
	TP-2004	2	125mm Edging chisel (ROUND)	
	TP-2006	3	125mm Cutting chisel (ROUND)	
	TP-2008	4	125mm Flat chisel (ROUND)	
	AT-2004/H		5 pcs 175mm Chisel set (HEX)	AT-2011/H AT-2012/H AT-2013/H AT-2014/H AT-2015/H AT-2016/H AT-2017/H AT-2018/H AT-2027/H AT-2028/H AT-2031/H AT-2032/H AT-2033/H AT-2034/H AT-2036/H AT-2037/H
	TP-2009	1	175mm Point chisel (HEX)	
	TP-2011	2	175mm Flat chisel (HEX)	
	TP-2013	3	175mm Edging chisel (HEX)	
	TP-2015	4	175mm Cutting chisel (HEX)	
	TP-2017	5	175mm Sheet metal trimmer (HEX)	
	AT-2004/R		5 pcs 175mm Chisel set (ROUND)	AT-2011/H AT-2012/H AT-2013/H AT-2014/H AT-2015/H AT-2016/H AT-2017/H AT-2018/H AT-2027/H AT-2028/H AT-2031/H AT-2032/H AT-2033/H AT-2034/H AT-2036/H AT-2037/H
	TP-2010	1	175mm Point chisel (ROUND)	
	TP-2012	2	175mm Flat chisel (ROUND)	
	TP-2014	3	175mm Edging chisel (ROUND)	
	TP-2016	4	175mm Cutting chisel (ROUND)	
	TP-2018	5	175mm Sheet metal trimmer (ROUND)	
	AT-2301/R	1	Mini point chisel (ROUND)	AT-2100/R
	AT-2301/H	2	Mini point chisel (HEX)	AT-2100/H
	AT-2302/R	3	Mini flat chisel (ROUND)	AT-2100/R
	AT-2302/H	4	Mini flat chisel (HEX)	AT-2100/H
	AT-2303/R	1	Point chisel (ROUND)	AT-2101/R~AT-2104/R
	AT-2303/H	2	Point chisel (HEX)	AT-2101/H~AT-2104/H
	AT-2304/R	3	Flat chisel (ROUND)	AT-2101/R~AT-2104/R
	AT-2304/H	4	Flat chisel (HEX)	AT-2101/H~AT-2104/H

	Part No.	Index	Description	For Air Tools
	AT-2308		3 pcs Chisel for flux chipper	AT-2501 AT-2502 AT-2512
	TP-2501	1	Point chisel	
	TP-2502	2	Straight chisel	
	TP-2503	3	Bent chisel	
	AT-2309		3 pcs Chisel for flux chipper	AT-2680
	TP-2681	1	Point chisel	
	TP-2682	2	Straight chisel	
	TP-2683	3	Bent chisel	
	TP-2506		Scraper chisel (40 mm)	AT-2506 AT-2506L AT-2513
	TP-2507		Scraper chisel (50 mm)	
	TP-2508		Scraper chisel (70 mm)	
	TP-2509		Scraper chisel (100 mm)	
	TP-2510		Scraper chisel (120 mm)	
	AT-2307A		Riveting chisel (3/32")	AT-2202 AT-2203 AT-2204
	AT-2307B		Riveting chisel (1/8")	
	AT-2307C		Riveting chisel (5/32")	
	AT-2307D		Riveting chisel (3/16")	
	AT-2307E		Riveting chisel (1")	
	TP-2680		Needle scaler attachment	AT-2680
	AT-2071		Needle scaler attachment	AT-2011/H AT-2012/H AT-2013/H AT-2014/H AT-2015/H AT-2016/H AT-2017/H AT-2018/H AT-2027/H AT-2028/H AT-2031/H AT-2032/H AT-2033/H AT-2034/H AT-2036/H
	TP-2229		Replacement needle 2mm×180mm×29pcs	AT-2500 AT-2505]
	TP-2229A		Replacement needle 2mm×150mm×29pcs	AT-2523
	TP-2266		Replacement needle 2mm×180mm×66pcs	AT-2503 AT-2504
	TP-2312		Replacement needle 3mm×180mm×12pcs	AT-2520
	TP-2312B		Replacement needle 3mm×125mm×12pcs	AT-2521
	TP-2319		Replacement needle 3mm×180mm×19pcs	AT-2500 AT-2505 AT-2680 AT-2522
	TP-2328		Replacement needle 3mm×180mm×28pcs	AT-2503
	TP-2349		Replacement needle 4mm×180mm×49pcs	AT-2504
	TP-2414		Replacement needle 4mm×180mm×14pcs	AT-2503
	TP-2435		Replacement needle 4mm×180mm×35pcs	AT-2504

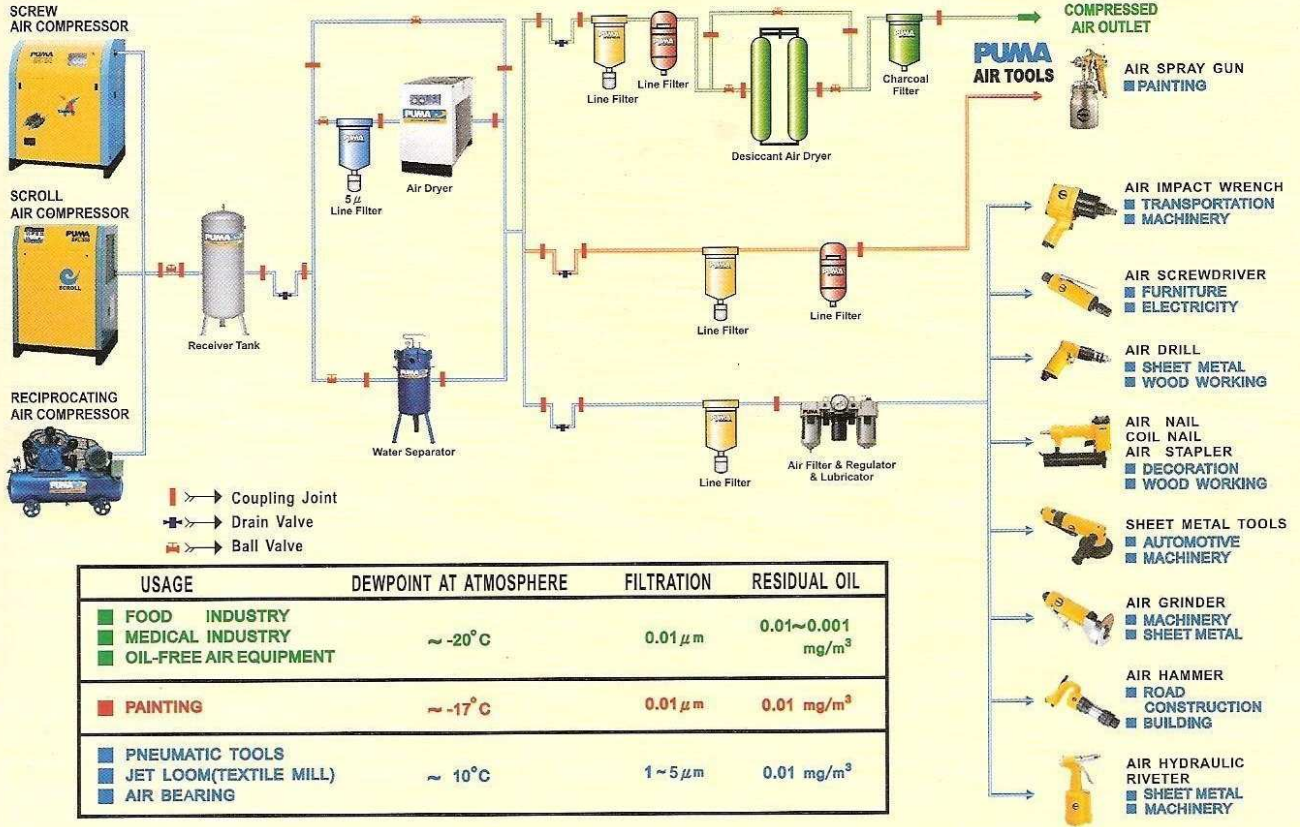
BASINÇ DÖNÜŞÜM TABLOSU

Bar	KPa	Kg/cm ²	MPa	Psi
1	100	1.02	0.1	14.5
0.981	98.1	1	0.098	14.22
10	1000	10.197	1	145.036

DEBİ DÖNÜŞÜM TABLOSU

LPM l/min	CMH m ³ /hr	CFM ft ³ /min	GPM(U.K.) gal ³ /min	GPM(U.S.A.) gal ³ /min
1	0.06	0.03532	0.220	0.2642
16.667	1	0.5887	3.667	4.404
28.3153	1.699	1	6.229	7.481
4.5455	0.2727	0.1605	1	1.2011
3.785	0.2271	0.1337	0.8325	1

BASINÇLI HAVA HATTI KURULUM ŞEMASI



DÖNÜŞÜM FAKTÖRLERİ

1.Tork

1 ft-lb = 1.356 nm = 0.138 kg-m
1 nm = 0.738ft-lb = 0.102 kg-m

2.Basınç

1 bar = 1.020 kg/cm² = 14.504 psi
1 kg/cm² = 14.220 psi = 0.981 bar

3. Debi

1 cfm = 28.3 l/min
1 M³/hr = 1.667 l/min

4.Uzunluk

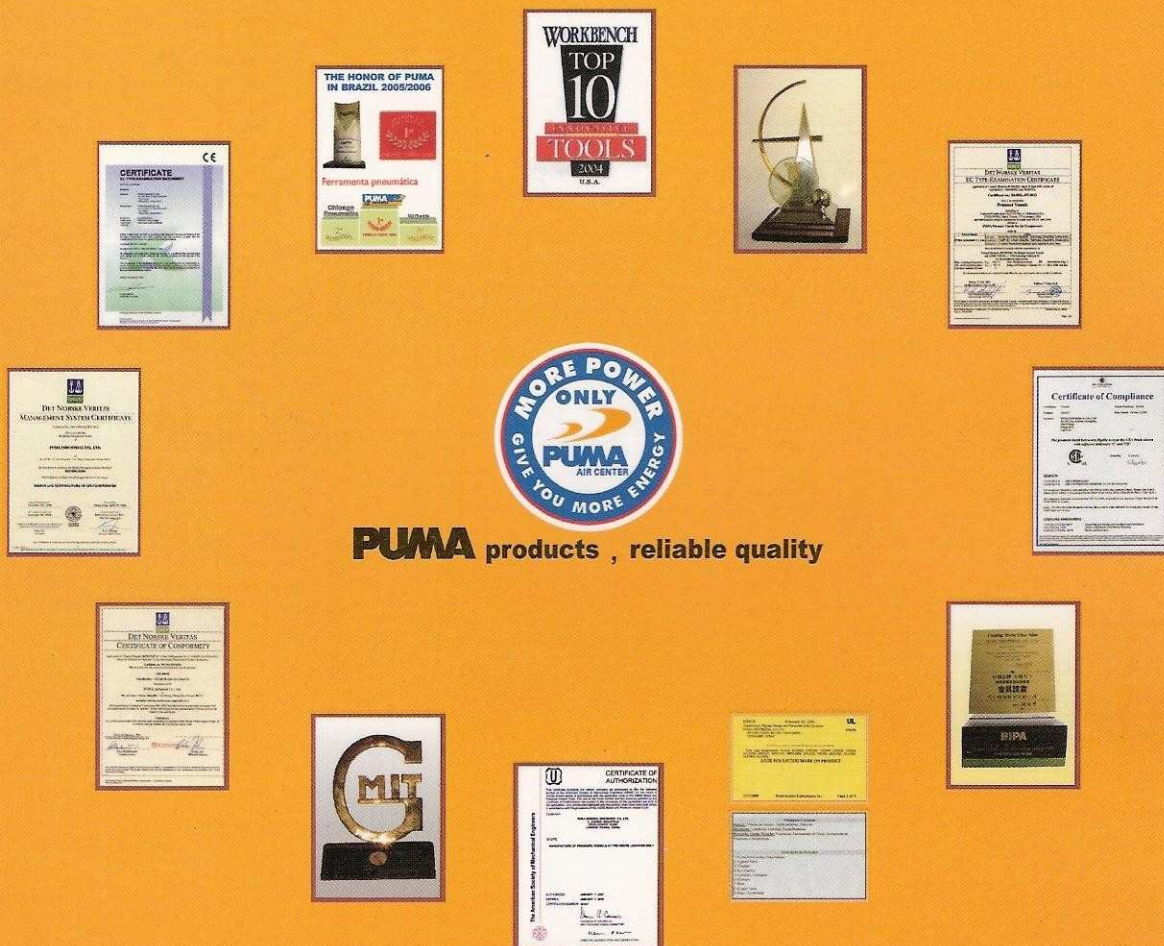
1 m = 39.371 in = 3.281 ft
1 ft = 12 in = 0.305 m
1 in = 25.4mm

5.Ağırlık

1 lb = 0.454 kg = 16 ones
1 kg = 2.205 lb = 35.274 ones

6.Güç

1 kw = 1.341 hp
1 hp = 0.746 kw



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