

AUSSIE TOP GUNS ... COMPLETE PRO GUN/LANCE KITS

SAVE MONEY, SAVE TIME ... HAPPINESS IS THE FEEL OF A NEW GUN



HIGH PRESSURE ACCESSORIES

AUSSIE 4,000 PSI PRO-GUN KIT—DUAL



- 5,000 psi Aussie Pro Gun (M22 inlet)
- 4,000 psi stainless steel dual lance (1019mm)
- 2 x Laser cut nozzles (including one detergent, low pressure nozzle)

	nozzle	single buy	10 pack buy (each)
APROGUN-DUAL-035	035	\$310	\$233
APROGUN-DUAL-045	045	\$310	\$233

PA 5,000 PSI PRO-GUN KIT



- 5,100 psi RL56 Spray Gun (Inlet: 3/8" BSP F)
- 5,000 psi rated 800mm stainless steel single lance with melted handle
- Laser cut nozzle & nipple to connect hose sold separately

MPA3045600	gun/lance kit	\$213
MPA13.5050.51	nipple	\$37
C915 ___ M	nozzle	\$22



AUSSIE 5,000 PSI PRO-GUN KIT—SINGLE



- 5,000 psi Aussie Pro Gun (M22 inlet, 4,000 psi or M24 5,000 psi rated options)
- 5,000 psi rated stainless steel single lance
- Laser cut nozzle (030, 035, 045)
- Packed weight 2kg
- Boxed dimensions 1180mm x 210mm x 45mm (900mm kit)

	lance	nozzle	single buy	10 pack buy (each)
APROGUN-900-030	900mm	030	\$175	\$131
APROGUN-900-035	900mm	035	\$175	\$131
APGUN-900-035M24	900mm	035	\$186	\$140
APROGUN-900-045	900mm	045	\$175	\$131
APGUN-900-045M24	900mm	045	\$186	\$140
APROGUN-1200-035	1200mm	035	\$188	\$141
APROGUN-1200-045	1200mm	045	\$188	\$141

NEW PA 500 BAR PRO-GUN KIT



- RL 57 7,250 psi (500 bar), 28 lpm, 160°C, permissible pressure 8,000 psi (Inlet 3/8" BSP F)
- 5,800 psi (400 bar) 1050mm lance with melted handle, permissible pressure 6,400 psi, 160°C, Outlet 1/4" NPT F
- Ceramic nozzle sold separately (page 60)

MPA30473000	gun/lance kit	\$621
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WARNING ... LEAKING GUNS ARE DANGEROUS!

GREAT RANGE, HUGE STOCKS, EXCEPTIONAL PRICES

▲ ◆ ● ◆ ▲ Match the symbols for best compatibility between gun, lance, turbo and hose

HOBBY GUN UPGRADE KIT

(Pro kit for hobby machines)

Hobby gun kit complete with AL13 gun, Vario lance & 8 metres of wire braid pro high pressure hose
Includes 14mm to 15mm coupling adaptor (for use with F140)



AGPDGLNH120

\$151

NEW COMMERCIAL AL13

(Aussie Cougar & AB22, AB30)



BEST BUY

AL13 (with M22 inlet)

3,340 psi (230 bar), 30 lpm, 60°C

Permissible pressure 3,700 psi

Inlet M22 QC M

Outlet M22 QC F

300mm lance extension with user friendly grip

Use with vario lance or single lance



M4021108007

\$66

NEW PROFESSIONAL AL55

(all Aussie 3,000 & 4,000 psi blasters & steam cleaners) ◆

AL55 (with M22 & swivel)

4,500 psi (310 bar), 45 lpm, 160°C

Permissible pressure 5,075 psi

Inlet M22 QC M

Outlet M22 QC F



300mm lance extension, use with single or double lance

M4022209003

\$89

AGP100882 o-ring (suits couplings with back-up ring) \$0.38

C01177407600 back up ring (suits couplings with back-up ring) \$5



INDUSTRIAL VEGA + EXTENSION

PA VEGA gun & S3 extension ●

4,500 psi (310 bar), 40 lpm, 160°C

Permissible pressure 5,100 psi, 1.1kg

370mm melted handle, stainless steel pipe

Inlet 3/8" BSP M (with swivel)

Outlet M22 QC F

MPA30208300

\$157

(25 pack bulk buy ... call for details)



INDUSTRIAL SPRAY GUN

(all Aussie 5,000 psi blasters & steam cleaners) ◆

DG5010

5,000 psi (350 bar), 40 lpm, 160°C

Inlet 3/8" G F

Outlet 1/4" G F

Use with extended double lance or

extended single lance

CGPDG5010

\$85

(20 pack bulk buy ... call for details)

Replacement safety clip AGP2660026 \$8



BEST BUY



INDUSTRIAL SPRAY GUN

(with swivel) ◆



BEST BUY

RL37 with swivel

4,500 psi (310 bar), 40 lpm, 160°C

Permissible pressure 5,000 psi, 564 gms

Inlet 3/8" BSP F (with swivel)

Outlet 1/4" BSP F

Use with extended double lance

or extended single lance

MPA30122000

\$93

(15 pack bulk buy ... call for details)



INDUSTRIAL RL56 COMPENSATED

Spray Gun (used on Aussie Predators & Hurricanes) ◆

5,100 psi (350 bar), 30 lpm, 160°C

Permissible pressure 5,650 psi, 672gms

Inlet 3/8" BSP F

Outlet 1/4" BSP F

MPA30450010

\$132

(8 pack bulk buy ... call for details)



8,000 PSI RL 84 SPRAY GUN

(all Aussie Raptor Hydro-blasters) ■

7,300 psi (500 bar), 80 lpm, 100°C, 1.3kg

Permissible pressure 8,100 psi

Inlet 1/2" BSP F

Outlet 1/2" BSP F

Use P/A single lance

MPA30540000

\$449

(300mm shoulder rest MPA30506000 \$53)



A LANCE FOR ALL OCCASSIONS

▲ ◆ ● ◆ ■ Match the symbols for best compatibility between gun, lance, turbo and hose

HIGH PRESSURE ACCESSORIES

BLASTER BLITZ 6 | ISSUE 2

T10 VARIO ZOOM NOZZLE & LANCE ▲



3,000 psi (200 bar), 30 lpm, 60°C, Permissible pressure 3,200 psi
 Length 585mm
 Inlet M22
 Use with AL13
 C4723.45.115 \$89



STAINLESS SINGLE LANCE ◆ ● ◆

with melted handle, tip protector & nozzle holder



(If used with AL13 or AL55 gun requires nipple C1500.05 \$9)
4,500 psi (310 bar), permissible pressure 5,075 psi,
 40 lpm, 150°C, Inlet ¼" G M, Outlet ¼" NPT F



400 mm	C3930.00	\$40	1200 mm	C3905.16	\$69
700 mm	C3905.14	\$46	1500 mm	C3905.17	\$83
900 mm	C3905.15	\$54	2000 mm	C3905.19	\$100

Requires M series nozzle, sold separately, p60
 With Q series (Quik Tip) nozzles you need a fixed QC (CD10073 \$26)
 Replacement nozzle protector C3718.02 \$9

STAINLESS DOUBLE LANCE ▲ ◆ ●

Infinite pressure control with the twist of the wrist

Heavy duty, stainless steel double lance, suits all pro guns
3,625 psi (250 bar), 40 lpm, 150°C, permissible pressure 4,060 psi

Length 684mm
 Inlet M22 M
 Outlet 2x¼" NPT F
 S/code: C3924.01
\$105



Require two M series nozzles, sold separately, p60



STAINLESS DOUBLE LANCE with extension ◆

Heavy duty, stainless steel double lance, suits all pro guns
3,625 psi (250 bar), 40 lpm, 150°C, permissible pressure 4,060 psi

Length 1019mm
 Inlet ¼" G M
 Outlet 2 x ¼" NPT F
 S/code: C3916.03
\$168

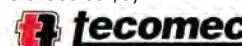


Require two M series nozzles, sold separately, p60

LANCE EXTENSION ▲ ◆ ● ◆



Stainless steel extension with melted handle
4,000 psi (275 bar), permissible pressure 5,000 psi,
 40 lpm, 150°C, Inlet ¼" G M, Outlet ¼" G M
 (If used with AL13 or AL55 gun requires nipple C1500.05 \$9)
 300 mm C3804.00 \$40



SINGLE LANCE WITH QC ▲ ◆ ◆

Convenient nozzle changeover



4,000 psi (275 bar), 40 lpm, 60°C
 Inlet M22 M
 Outlet QC

400 mm	FNA7103550	\$48
700 mm	FNA7103261	\$74

Requires Q series nozzle, sold separately, p60

PA EXTENDED SINGLE LANCE ◆

with melted handle and protector



5,000 psi (350 bar), 30 lpm, 160°C,
 permissible pressure 5,650 psi (390 bar),
 Inlet ¼" BSP M
 Outlet ¼" NPT F

800 mm	MPA40025800	\$110
1050 mm	MPA40026100	\$132

Requires M series nozzle, sold separately, p60
 (8 pack bulk buy ... call for details)



RL 800 500 BAR PA SINGLE S/S LANCE ■

Suits RL84, **7,300 psi (500 bar)**,
 Permissible pressure 8,100 psi, 200 lpm,
 43°C, Inlet ½" BSP M, Outlet ¼" NPT F

400mm	MPA30500040	\$226
800mm	MPA30500080	\$291
1250mm	MPA30500092	\$418

Requires M series nozzle, sold separately, p60





SAVE WATER & CUT TIMES ... TURBO BOOST

Aussie turbos use the water's velocity to increase the effective working pressure (EWP). Let Aussie Turbomaster do the work for you!

AUSSIE TURBOMASTER ▲



Commercial series (220 bar)
3,200 psi, 60 lpm, EWP up to 4,500 psi, 500mm, M22 inlet
 Nozzle size: 030
 Suits: Cougar, AB30, F140, Black Box, Scud 100
 M404210004 lance & head **\$157**

AUSSIE TURBOMASTER 310 ◇ ●



Professional series, 500mm lance & head
4,400 psi (310 bar) 24 lpm, EWP up to 6,294 psi
 Max temp: 90°C Inlet (lance) M22 x 1.5 M Weight: 600 gms
 CTN310-___ lance & head **\$262**
 Sizes available ... 030, 035, 045

PRO TURBO GUN KITS ... FAST, TOOL FREE CHANGEOVER



Professional turbo gun lance kit
255 bar, 310 bar & 350 bar
 EWP up to 8,500 psi*, 900mm lance
 Max temp: 90°C Inlet (gun) ... see below



Up to 3,500 psi, boosts EWP to max 4,785 psi* (All Brands)
 CTN255-030GLK suits AB30 (M22) **\$309**
 CTN255-045GLK suits Scud 350 (M22) **\$309**
Up to 4,400 psi, boosts EWP to max 6,295 psi* (All Brands)
 CTN310-030GLK suits AB40 (M22) **\$335**
Up to 5,000 psi, boosts EWP to max 8,500 psi* (All Brands)
 CTN400-035GLK suits Scud 400, Atlas (M22) **\$430**
 CTN400-050GLK suits Ultra A, Mon 400M (M22) **\$430**
 CTN400-035GLKM24 Pred A, Hurricane (M24) **\$441**
 CTN400-040GLKM24 HSC 5,000 psi (M24) **\$441**
 CTN400-045GLKM24 Pred A diesel (M24) **\$441**
 Call for bulk pricing (*dependant on pump capability)

AUSSIE TURBOMASTER 255 ▲ ◇



Professional series, 500mm lance & head
3,700 psi (255 bar) 40 lpm, EWP up to 4,785 psi, 300
 Max temp: 90°C Inlet (lance) M22 x 1.5 M Weight: 450 gms
 CTN255-___ lance & head **\$214**
 Sizes available ... 030, 035, 045, 050

AUSSIE TURBOMASTER 400 ◇ ●



Professional series, 500mm lance & head
5,800 psi (400 bar) 40 lpm, EWP up to 8,500 psi
 Max temp: 90°C Inlet (lance) M22 x 1.5 M Weight: 900 gms
 CTN400-___ lance & head **\$394**
 Sizes available ... 030, 035, 045, 050, 055, 075

500 BAR TURBO GUN KIT



7,300 psi, 500 bar, 40 lpm, EWP up to 12,000 psi
 RL 57 spray gun with 1050mm lance, gun, with QC M24 nipple & 500 bar turbo head.
 CTN500-020GLK suits Raptor 12 **\$2,244**
 CTN500-030GLK suits Raptor 16,18 **\$2,244**
 sCTN500-030GLK suits Raptor 16,18 **\$2,244**

AUSSIE TURBOMASTER HEADS

Semi pro series

3,400 psi (234 bar)
 EWP up to 4,785 psi
 Max temp: 90°C
 Inlet QC plug



FNA40143 **\$94**

Professional series ▲ ◇

3,700 psi (255 bar)
 EWP up to 4,785 psi
 Max temp: 90°C
 Inlet 1/4" F
 Weight 300 gms



CTN255-___H **\$173**

Sizes available ...
 020, 025, 030, 035, 040, 045,
 050, 055, 060, 065, 070, 075,
 100, 150

Repair kit
 CTN255-___REP **\$111**

Professional series ◇ ●

4,400 psi (310 bar)
 EWP to 6,294 psi
 Max temp: 90°C
 Inlet 1/4" F
 Weight 450 gms



CTN310-___H **\$222**

Sizes available ...
 030, 035, 045

Repair kit
 CTN310-___REP **\$121**

Professional series ◇ ●

5,800 psi (400 bar)
 EWP to 8,500 psi
 Max temp: 90°C
 Inlet 1/4" F
 Weight 750 gms



CTN400-___H **\$322**

Sizes available ...
 030, 035, 040, 045, 050, 055,
 060, 065, 070, 075, 080, 085

Repair kit
 CTN400-___REP **\$145**

500 bar series ■

7,300 psi, 500 bar
 EWP to 12,000 psi
 Max temp: 90°C
 Inlet 1/4" F
 Weight 700 gms



CTN500-___H **\$1,684**

Sizes available ...
 020, 025, 030, 035, 040, 045,
 050, 055, 060, 065, 070, 075,
 080

Repair kit
 CTN500-___REP **\$1,122**

HIGH PRESSURE NOZZLES CHANGE THAT NOZZLE

Worn nozzles cause loss of pressure & can lead to machine failure. Nozzles should be changed on a regular basis.

Drain cleaning nozzles ... see p 30



Nozzle selection table

Size	0° (pencil jet)	15° (fan)	25° (fan)	40° (fan)
020	C900020	C915020	C925020	C940020
025	C900025	C915025	C925025	C940025
030	C900030	C915030	C925030	C940030
035	C900035	C915035	C925035	C940035
040	C900040	C915040	C925040	C940040
045	C900045	C915045	C925045	C940045
050	C900050	C915050	C925050	C940050
055	C900055	C915055	C925055	C940055
060	C900060	C915060	C925060	C940060
065	C900065	C915065	C925065	C940065
070	C900070	C915070	C925070	C940070
075	C900075	C915075	C925075	C940075
080	C900080	C915080	C925080	C940080
085	C900085	C915085	C925085	C940085
090	C900090	C915090	C925090	C940090
095	C900095	C915095	C925095	C940095
100	C900100	C915100	C925100	C940100
105	C900105	C915105	C925105	C940105
110	C900110	C915110	C925110	C940110
115	C900115	C915115	C925115	C940115
120	C900120	C915120	C925120	C940120
125	C900125	C915125	C925125	C940125

HIGH PRESSURE ACCESSORIES

SINGLE BUY NOZZLES

Look up size & angle of required nozzle in selection table then add a 'M' for a Laser Cut nozzle or 'Q' for a Quik Tip nozzle

Laser Cut (Inlet: 1/4" NPT)



Add 'M' to code (eg C900080M) **BEST BUY** \$22
(NOT AVAILABLE IN 40°)

Detergent Nozzle C915500MSS \$22

Quik Tip



Add 'Q' to code (eg C900080Q) \$20

Detergent Nozzle (Black 65°) C965400Q \$20

LASER CUT 'M' SERIES NOZZLE 5 PACKS

S/code	Qty in pack	Tip angle	
C915__M-P1	5	15	\$96
Packs available for sizes 020 to 065			
C915500MSS-P1	5	Detergent	\$96



QUIK TIP 'Q' SERIES NOZZLE 5 PACKS

S/code	Qty in pack	Nozzle size	
C105082Q	5	030	\$74
C105083Q	5	035	\$74
C105084Q	5	040	\$74
C105085Q	5	045	\$74
C105087Q	5	055	\$74



Quik Tip (Q) nozzles 5 pack...

Quik Tip 'Q' Series Colour Guide

Red ... 0° Pencil jet for maximum effect	Yellow ... 15° Cleaning heavily stained areas	Green ... 25° General purpose nozzle for larger areas	White ... 40° Lightly stained flat surfaces	Black ... 65° Low pressure detergent nozzle

Tip: Use a fixed quick coupler to connect a Q series nozzle to a lance with a 1/4" NPT female outlet (see below)



GP FIXED QUICK COUPLING

Max pressure 6,000 psi (410 bar), stainless steel quick connect couplers to connect Aussie Quik Tip nozzles to end of lance

	S/code	Inlet	Outlet	
A	CD10072	1/4" QC	1/4 G - F	\$25
B	CD10073	1/4" QC	1/4 G - M	\$25



AUSSIE WHITE TIP ... 500 bar

Ceramic Tipped Nozzles SAFER, LONGER LASTING

500 bar 0° & 15°, nozzle material ceramic, inlet 1/4" NPT M ... \$142 each

Size	0° (pencil jet)	15° (fan)
025	M0124006100	M0124006110
030	M0124006200	M0124006210
035	M0124006300	M0124006310
040	M0124006400	M0124006410
045	M0124006500	M0124006510
050	M0124006600	M0124006610



BLASTER BLITZ 6 | ISSUE 2

Change your nozzle regularly; nozzles wear with use and can cause your pump and system to fail.

Correct nozzle sizing is essential for your machine's correct performance.

How to Read the Chart

1. Main chart area is flow in litres per minute.
2. Look up the pump psi in the heading and read down that column to the approximate flow. Read off the MEG size in the row heading.
3. Drop one size because calculation should always be made using 93% of pump flow.

MEG	Sizing for vario & grit-blast heads	Flow in l/min at the indicated pressures																									
		20 BAR	30 BAR	40 BAR	50 BAR	60 BAR	70 BAR	80 BAR	90 BAR	100 BAR	110 BAR	120 BAR	130 BAR	140 BAR	150 BAR	160 BAR	180 BAR	200 BAR	220 BAR	250 BAR	280 BAR	310 BAR	340 BAR	370 BAR	400 BAR	450 BAR	500 BAR
		290 psi	435 psi	580 psi	725 psi	870 psi	1015 psi	1160 psi	1305 psi	1450 psi	1595 psi	1740 psi	1885 psi	2030 psi	2175 psi	2320 psi	2610 psi	2900 psi	3190 psi	3625 psi	4060 psi	4560 psi	5000 psi	5440 psi	5880 psi	6525 psi	7250 psi
020	0,99	2	2,5	2,8	3,2	3,5	3,7	4	4,2	4,5	4,7	4,9	5,1	5,3	5,5	5,7	6	6,4	6,7	7,6	7,7	8,1	8,2	8,8	9,2	9,8	10,3
025	1,00	2,5	3,1	3,5	4	4,3	4,7	5	5,3	5,6	5,9	6,1	6,4	6,6	6,9	7,1	7,5	7,9	8,3	8,9	9,4	9,9	10,3	10,8	11,2	11,9	12,5
030	1,09	3,1	3,7	4,3	4,8	5,3	5,7	6,1	6,3	6,8	7,2	7,4	7,7	8	8,3	8,7	9,2	9,6	10	10,8	11,4	12	12,5	13,1	13,6	14,4	15,2
035	1,15	3,6	4,4	5,1	5,6	6,2	6,7	7,3	7,7	8,1	8,4	8,8	9,2	9,6	9,9	10,4	10,9	11,4	12	12,6	13,4	14,1	14,8	15,4	16,0	17,0	17,9
040	1,19	4,2	5,2	5,9	6,6	7,3	7,8	8,4	8,9	9,4	9,8	10,3	10,7	11,1	11,5	11,9	12,4	13,2	14,1	14,1	14,7	16,0	16,9	17,5	18,2	19,3	20,3
045	1,27	4,5	5,5	6,4	7,1	7,8	8,4	9	9,6	10,2	10,6	11,2	11,6	11,8	12,5	12,6	13,2	14,4	15	16,3	17,2	18,1	19,0	19,5	20,6	21,8	23,0
050	1,35	5	6,2	7,1	8	8,7	9,4	10	10,7	11,3	11,7	12,1	12,9	13,4	13,8	14,3	15,1	15,9	16,9	17,9	18,9	19,9	20,9	21,8	22,7	24,2	25,5
055	1,4	5,6	6,8	7,8	8,7	9,6	10,3	11,1	11,8	12,4	13	13,5	14,1	14,7	15,2	15,7	16,4	17,5	18,6	19,8	20,9	22,0	23,0	24,0	25,0	26,5	28,0
060	1,47	6	7,4	8,6	9,6	10,4	11,3	12,1	12,8	13,6	14,2	14,9	15,5	16	16,6	17,2	18	19,2	20,4	21,5	22,9	24,1	25,3	26,4	27,4	29,1	30,6
065	1,52	6,6	8	9,3	10,4	11,3	12,3	13,2	14	14,7	15,5	16,1	16,7	17,4	18	18,6	19,4	20,7	22	22,9	24,8	26,1	27,3	28,5	29,6	31,4	33,1
070	1,6	7,1	8,6	10	11,2	12,2	13,2	14,1	15	15,8	16,6	17,3	18	18,7	19,3	20,1	21,3	22,3	23,7	25,3	26,8	28,2	29,5	30,8	32,0	33,9	35,8
075	1,65	7,6	9,3	10,7	12	13,1	14,2	15,2	16,1	16,9	17,7	18,5	19,2	20	20,7	21,4	22,6	23,8	25,3	27,0	28,6	30,1	31,5	32,9	34,2	36,2	38,2
080	1,7	8	9,8	11,3	12,7	14	11,1	16,1	17,1	18	18,9	19,7	20,5	21,3	22	22,8	23,8	25,4	27	28,8	30,5	32,0	33,6	35,0	36,4	36,8	40,7
085	1,75	8,5	10,4	12,1	13,5	14,8	16	17,1	18,1	19,1	20	20,9	21,7	22,5	23,4	24	25,5	27	28,2	30,7	32,5	34,2	35,8	37,3	38,8	41,2	43,4
090	1,8	9,8	11,5	13,3	14,8	16,3	17,6	18,8	19,9	21,0	22,0	23,0	23,9	24,8	25,7	26,6	28,2	29,7	31,1	33,2	33,5	37,0	38,7	40,4	42,0	44,5	47,0
095	1,85	9,7	11,9	13,4	15,4	16,8	18,1	19,4	20,0	21,7	22,7	23,8	24,7	25,9	26,9	27,8	29,5	31,1	32,6	34,8	36,8	38,7	40,6	42,3	44,0	46,7	49,2
100	1,9	10	12,3	14,2	16,0	17,8	19,2	20,6	21,8	23,0	24,1	25,2	26,2	27,2	28,2	29,1	30,9	32,5	34,1	35,4	38,5	40,5	42,4	44,2	46,0	48,8	51,4
110	1,98	11,1	13,6	15,7	17,6	19,3	20,8	22,2	23,6	24,9	26,2	27,4	28,5	29,6	30,6	31,6	33,5	35,4	37,1	39,5	41,8	44,0	46,1	48,1	50,0	53,0	55,9
120	2,08	12,1	14,8	17,2	19,2	21,0	22,7	24,3	25,8	27,1	28,1	29,4	30,6	31,8	32,9	34,0	36,0	38,0	39,8	42,4	45,0	47,6	50,2	51,9	54,0	57,3	60,4
125	2,13	12,7	15,6	18,0	20,1	22,0	23,8	25,5	27,0	28,5	29,5	30,8	32,1	33,3	34,5	35,6	37,8	39,8	41,8	44,5	46,9	49,3	51,6	53,9	56,0	59,4	62,6
130	2,16	13,2	16,1	18,6	20,8	22,8	24,6	26,3	27,9	29,4	30,8	32,2	33,5	34,8	36,0	37,2	38,9	42,5	44,5	47,4	50,2	52,8	55,3	57,7	60,0	63,6	67,1
140	2,26	14,2	17,4	20,0	22,4	24,5	26,5	28,4	30,1	31,7	33,2	34,7	36,1	37,5	38,8	40,1	42,5	44,8	47,0	50,1	53,2	56,3	59,4	61,7	64,4	67,9	71,6
150	2,34	15,1	18,5	21,3	23,9	26,1	28,3	30,2	32,1	33,8	35,6	37,2	38,7	40,2	41,6	43,0	45,6	48,0	50,4	53,7	57,0	59,9	62,7	65,4	68,0	72,1	76,0
160	2,41	16,2	19,8	22,9	25,6	28,0	30,3	32,4	34,4	36,2	37,8	39,5	41,1	42,7	44,2	45,6	48,4	51,0	53,5	57,0	60,2	63,4	66,4	69,2	72,0	76,4	80,5
180	2,54	18,2	22,3	25,7	29,0	31,8	34,3	36,7	38,6	41,0	43,0	44,9	46,7	48,5	50,2	51,9	55,0	58,0	60,8	64,8	68,6	72,2	75,6	78,9	82,0	87,0	91,7
200	2,69	20,1	24,7	28,5	32,5	35,6	38,5	41,1	43,6	46,0	48,2	50,4	52,4	54,4	56,3	58,2	61,7	65,1	68,2	72,7	77,0	81,0	84,8	88,5	92,0	97,6	102,9
250	2,99	25,2	30,9	35,7	39,8	43,6	47,1	50,4	53,4	56,4	59,1	61,8	64,3	67,0	69,1	71,3	75,1	79,8	84,0	89,3	94,6	99,9	105,2	109,8	114,1	120,9	127,5