

SPEAKER STANDS ½M PAIR

Made of tough steel construction, featuring three strong tubular supports. Audiophiles will be pleased to know that these tubes can be filled with dry sand and/or led shot with a suitable sealant applied to the base to prevent leakage. The base incorporates four attractive gold-styled spikes to couple the stand to the floor. The overall effect of using a quality stand is to produce cleaner, more accurate sound from your existing speakers.

Base Plate: 280(D) x 210(W)mm
Speaker Plate: 210(D) x 170(W)mm

Height: 400mm
STAND400
Pair.



NEPTUNE SPEAKER STANDS

Premium Quality Italian Made. Adjustable height (650→1150mm) Holds 5Kg. for 110→210mm width adjustable clamp for supporting satellite & compact speakers. Attractive tubular design. Black coated steel. Cable hidden in stand. Supplied in pairs.

SILVER
OMB4012
pair.

BLACK
OMB24012



SPEAKER STANDS 1M PAIR

Made of tough steel construction, featuring three strong tubular supports. Audiophiles will be pleased to know that these tubes can be filled with dry sand and/or led shot with a suitable sealant applied to the base to prevent leakage. The base incorporates four attractive gold-styled spikes to couple the stand to the floor. The overall effect of using a quality stand is to produce cleaner, more accurate sound from your existing speakers.

Base Plate: 280(D) x 210(W)mm
Speaker Plate: 210(D) x 170(W)mm

Height: 900mm
STAND900
Pair.



TILT/SWIVEL MOUNTING KIT

A quality tilt/swivel mount designed for mobile phone mounting but also suitable for mounting small surround sound speakers too! Heavy duty metal construction will allow support for a couple of kilos' Allen screws for secure adjustment. Point the speaker in any direction. Two required for stereo. Sold singularly.

MNT32



PEDISTAL SPEAKER STANDS

Slim and attractive stands are designed for smaller home hifi speakers like surround sound units, etc. eg. Our mini speakers like LS3 LS32 SA500 SA850, etc. Hidden screw socket fixing.

Adjustable. 85cm → 135cm

BLACK
SA46B
pair.

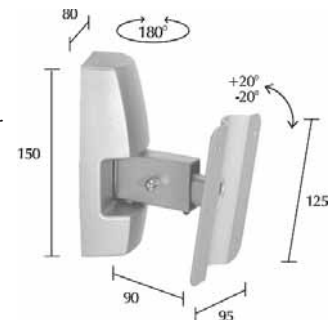
SILVER
SA46S
pair.



SPEAKER TILT BRACKETS

Designed to be bolted to the back of speakers, etc. for a secure wall mount with swivel and tilt. *Order One To Receive A Pair* Holds up to 25Kg. Swivel 260° Tilt ±20°

OMB4040
pair.



HIGH-STAND SPEAKER BRACKETS

UNIVERSAL MOUNTING

Designed primarily for supporting small book-shelf type sizes. High quality, all metal construction. Black. Heavy die-cast base. Assembled by using different length poles, so various heights are possible: 450mm → 1050mm 18" 24" 36" & 48".

Sold in pairs.
Black SA36B
Silver SA36S
pair.



SPEAKER WALL BRACKET

Ball and socket joint with bases that screw onto the speaker and the wall, etc. Locking nut. Holds 5Kg. High grade Plastic. Includes Two brackets and wall mounting hardware. Quality product from Italy. Available in Black or White.

Base 90 x 40mm
Ext ~90mm Off Wall
Adj V ±45°
Adj H ±45°

BLACK OMB4041
pair.
WHITE OMB14041
pair.



PHOTON SPEAKER STANDS 8" → 16"

Built tough from steel tubing with scratch resistant black coating. The Photons have adjustable height, tilt & speaker clamps. Floor standing. Holds 30Kg max. ea. **PHOTON 400** Speaker 190 → 400mm OMB4010 pair.



COMPONENT SPIKES FELT

Isolate Electronic units. Improve imaging, tighten bass. Height adjustable. Gold plated. Felt backed spike and saucer. **SMALL 25mmØ** SPIKE25 Buy 8+ for **MEDIUM 30mmØ** SPIKE30 Buy 8+ for



PHOTON SPEAKER STANDS 15" → 29"

Built tough from steel tubing with scratch resistant black coating. The Photons have adjustable height, tilt & speaker clamps. Floor standing. Holds 30Kg max. ea. **PHOTON-PLUS 745** Speaker 395 → 745mm OMB4011 pair.



SPEAKER SPIKES SMALL

Drill into box type mountings. Adjustable. Gold plated. With saucer. 20mm Round 25mm+ Height SPIKE20



8+

SPEAKER SPIKES LARGE

Drill into box type mountings Large & Sturdy Suit subwoofers Champagne metal 35mm Round 40mm+ Height SPIKE35

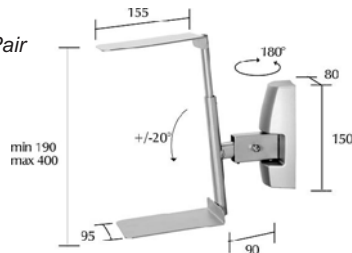


8+

SPEAKER CLAMPS 8" → 16"

Height adjustable for securing PA & HiFi speakers up on a wall, etc. Holds up to 25Kg. Order One To Receive A Pair

COMPACT SPEAKERS 190 → 420mm OMB4030 pair.



SPEAKER SPIKES - STICK ON

Attractive Gold plated cone with adhesive back for a no-fuss connection. Includes floor protector. 30mmØ Round 22mm Height SPIKE31

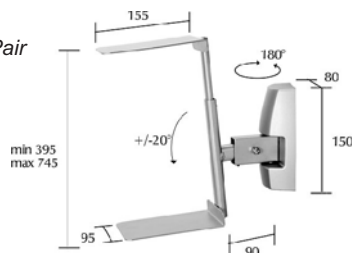


8+

SPEAKER CLAMPS 12" → 30"

Height adjustable for securing PA & HiFi speakers up on a wall, etc. Holds up to 25Kg. Order One To Receive A Pair

TOWER SPEAKERS 315 → 745mm OMB4031 pair.



RUBBER COMPONENT FEET SMALL

Rubber insulators. Injection molded, energy noise, vibration reducing Silver on Black. 44mm Diameter RFG44



8+

RUBBER COMPONENT FEET LARGE

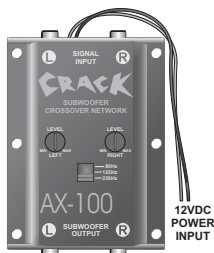
Rubber insulators. Injection molded, energy noise, vibration reducing Gold rim on black. 60mm Diameter RFG59



8+

SUBWOOFER X-OVER ACTIVE

Stereo 12dB Low-pass active filter. Compact design for adapting a subwoofer to your system. Adjustable output levels 80/125/250Hz LP switch S/N=100dB THD=0.02% Base 65x90(x28H)mm AX100



GASKET TAPE - 1 Meter

Foam tape. Sticky one side. 10mm wide x 5mm thick. Suit speaker mounting for a good, air tight seal. Essential for optimising speaker box performance by removing any air gaps. Supplied in 1M Lengths. GT7100



SPEAKER TO RCA CONVERTER

Matches the high level output stereo to a lower level RCA output for use with todays modern line level equipment. Adjustable output levels Total earth isolation fr = 10Hz → 50KHz ±1dB Base 65x90(x28H)mm AX-HL



OFC QUAD SPEAKER CABLE

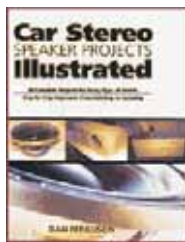
High grade OFC in a unique, low profile, low capacitance and low inductance design. Runs under mats, etc. Four way! Bi-Amp / Bi-Wire or split for stereo. SoundLink. SSS recommended. Reel OFC384 for 50M.



Plugs Not Included!

CAR AUDIO SPEAKER PROJECTS

20 COMPLETE PROJECTS Get stuck straight into building! Talk about simple! This illustrated step-by-step guide makes leading edge car audio speaker systems easy. This book helps you plan, design & build the ultimate car audio. 244 pages. Dan Ferguson MAN610



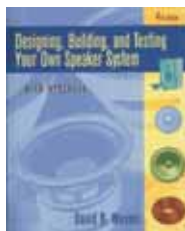
4MM SPEAKER CABLE PLUGS GOLD

GOLD PLATED BANANA PLUGS - 5mm Entry 4mm plug with a Multi-Lam cage spring for a more constant secure connection. Up to 5mm wire diameter fits in at right angles to the barrel, leaving the back to accept another 4mm plug. TWO per blister pack RED P765 BLACK P766 pair.



SPEAKER DIY REFERENCE

DESIGNING BUILDING & TESTING YOUR OWN SPEAKER SYSTEM A complete reference to building speakers. It covers all the latest types and models of speakers and is aimed at hobbyists, do-it-yourself audiophiles and electronic technicians. 223 pages. David B. Weems MAN600



SPADE SPEAKER DRIVER CONNECTORS

3MM (18→22AWG) Copper PT20 20 Piece bag PT100 100 Piece bag
4MM (12→14AWG) Gold TS300 ea. RED TS301 ea. BLACK



MANY MORE PLUGS See WES Cat' Section 7

ADVANCED SPEAKER DESIGN REFERENCE

INCLUDES A CAD CDROM This manual explains how to conceive, design and build your own set of top performance speakers. 24 Projects inc. Covers comprehensively topics from construction to crossover design, pre-amps, filters, amps, and more! 307 pages. David B. Weems & G.R. Koonce MAN602



SPEAKER TERMINAL 4MM GOLD

Gold plated screw terminals and 4mm banana plugs. [2x 4mm] PACKAGED J706 [2x 4mm] BULK J707 [4x 4mm] PACKAGED J708



MASTER ACOUSTIC REFERENCE

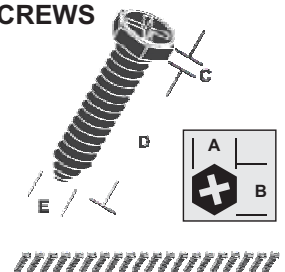
MASTER HANDBOOK OF ACOUSTICS For the more technically advanced who may want the ultimate in the reference for acoustic science. Easy reading explanations for Room acoustics, recording, studio, many topics in sound engineering. 615 pages. F. Alton Everest 4th ed. MAN604



BLACK SELF-TAPPING SCREWS

Philips head & Hex.

7mm HEX
A B C D E
6.8 7.7 3.3 20 4mm
STS7B for 20.
8mm HEX
7.8 8.8 3.9 25 5mm
STS8B for 20.



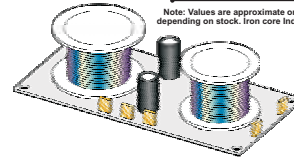
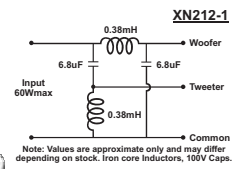
HDS150 CROSSOVER

As supplied with the HDS150 Kit. Complete, pre-assembled with all components and wiring to suit the speaker kit. No soldering required. Premium grade components & quality. Colour coded terminals for easy connection. Includes instructions. 6dB Mid-Woofer. 12dB Tweeter. 200W. XOK150



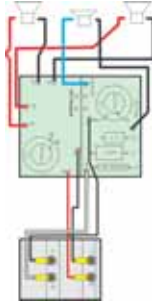
2 WAY 60W 12dB/Octave

Pin 60Wrms
Z 8Ω
X1 2K3Hz
Slope 12dB
XN212-1



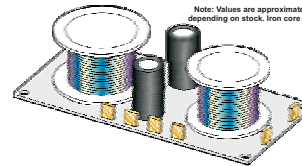
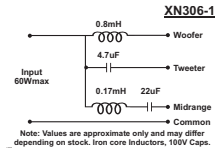
HDS250 CROSSOVER

As supplied with the HDS250 Kit. Complete, pre-assembled with all components and wiring to suit the speaker kit. No soldering required. Premium grade components & quality. Colour coded terminals for easy connection. Includes instructions. 6dB Mid-Woofer. 12dB Tweeter. 200W. XOK250



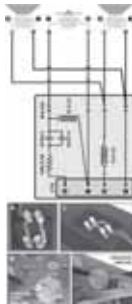
3-WAY 60W 6dB/Octave

Simple 4 component Basic crossover for a matched 3 way system.
Pin 60Wrms
X1 800Hz
X2 5KHz
Z 8Ω
Slope 6dB
XN306-1



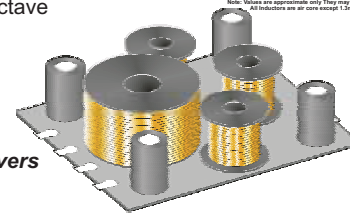
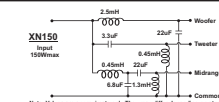
HDS255c CROSSOVER

As supplied with the HDS255c Kit. Pre-assembled with wiring, etc. Similar to the HDS250 but modified for optimum horizontal positioning. Premium grade components & quality. Colour coded terminals for easy connection. Includes instructions. 6dB Mid-Woofer. 12dB Tweeter. 200W. XOK255C



3 WAY 150W 12dB/Octave

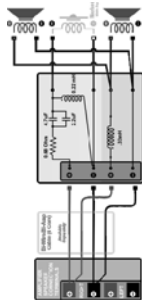
Pin 150Wrms
Att. 12dB/Octave
X1 750Hz
X2 4KHz
Slope 12dB
XN150



Car Speaker X-Overs
See Page 18-9

HDS455 CROSSOVER

As supplied with the HDS455 Kit. Complete, pre-assembled with all components and wiring to suit the speaker kit. No soldering required. Premium grade components & quality. Colour coded terminals for easy connection. Includes instructions. 6dB Mid-Woofer. 12dB Tweeter. 200W. XOK455



2 WAY PC BOARD UNIVERSAL CROSSOVER

Build Your Own Crossovers
Blank PCB with space for 12dB or 6dB per octave and a tweeter attenuator circuit and woofer impedance matching. Components value tables and attenuation tables included.
ONLY ONE SUPPLIED
PCB-X02



HDS/XLS KIT INSTRUCTIONS

BUILDING YOUR OWN SPEAKERS?
For construction details on cabinet volume and dimensions with our own virtuoso's tuning for port lengths, phase corrected crossover designs and setup techniques, the HDS/XLS kits' instructions are available in printed paper form. Includes basic schematics and diagrams only as our kits are manufactured by professional machines, cabinets and crossovers.



Suits

INS150	HDS150
INS250	HDS250
INS255C	HDS255c
INS455	HDS455
INS800	XLS800
INS1000	XLS1000

A3 White sheet with basic dimension and crossover schematics diagrams.

3 WAY PC BOARD UNIVERSAL CROSSOVER

Build Your Own Crossovers
Blank PCB with space for 12dB or 6dB per octave and woofer impedance matching. Components value tables for different crossover frequencies is included.
ONLY ONE SUPPLIED
PCB-X03



TAG STRIPS

Make your own Cross-Overs!
Build networks specifically for your application. Improve performance by designing your own.
6 WAY (60mm)
TAG6
8 WAY (80mm)
TAG8



BASS REFLEX PORT 4.33"

Plastic flanged
Mouth, Push-fit.
2 ends supplied.
Cardboard tube.
Cut to length.
Max length 1ft.
110mm x 292mm
Hole 120mm
AP758



SPEAKER GRILL CLIPS LIGHT

Plug and socket type fixtures
for holding-on speaker grill frames.
Male 10mmØ Hole
Flush 17mm deep
Female 6mmØ Hole
Flush 6mm deep
10x SGC10
for 10
100x SGC100
for 100



BASS REFLEX PORT 2.75"

Plastic flanged
Mouth, Push-fit.
2 ends supplied.
Cardboard tube.
Cut to length.
Max length 1ft.
70mm x 300mm
Hole 80mm
AP757



SPEAKER GRILL CLIPS HEAVY

Plug and socket type fixtures
for holding-on speaker grill frames.
Male 15mmØ Hole
Flush 10mm deep
Female 15mmØ Hole
Flush 12mm deep
10x SGC12
for 10
100x SGC120
for 100



BASS REFLEX PORT 2½"

Set length
Cut to size
Push-fit
Flanged mouth
125mm x 60mmØ
Hole 70mmO/D
PORT12560



CARPET SPEAKER BOX COVER

Unbacked durable carpet
Unwoven so wont fray
Suit covering speaker
enclosures like car
subwoofers, PA, etc.
BLACK 2Mx1.5M
CABK2



CHARCOAL 2Mx1.5M
CACH2

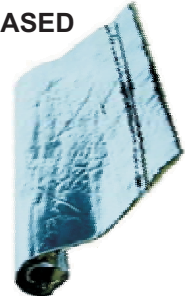
BASS REFLEX PORT 2"

Set length
Cut to size
Push-fit
Flanged mouth
125mm x 50mmØ
Hole 58mmO/D
PORT12550



SOUND DEADENER BITUMEN BASED

Deaden those noisy speaker cabinets
with heavy sound absorbing material.
Improves box acoustics for hifi, also,
this product is designed to be stuck
on the inside of the outer door skins
in car installations to deaden resonance
and reduce road noise for better stereo!
2 x 300mm square sheets supplied.
MAT302



BASS REFLEX PORT 1.3"

Set length
Cut to size
Push-fit
Flanged mouth
80mm x 33mmØ
Hole 40mmO/D
PORT8033



SOUND DEADENER BARIUM MINERAL BASED

Felt backed heavy duty foam rubber.
4.5kg/M² loaded with Barium mineral
has a 4mm sheet of dense foam rubber
bounded to the heavy sheet. STC-27
making it ideal to laid under carpets,
between door trims and car doors, etc.
or inside speaker box cabinet panels.
One Sheet size 675 x 330 x 6mm thick.
MAT675



BASS REFLEX PORTS

NEW! STOP PRESS!
Flanged mouth. mm.

	I/D	Length	Hole
PT760	45	128	68
PT761	57	180	84
PT762	70	165	100
PT763	102	100	140



SPEAKER GRILL CLOTH

High quality, attractive,
acoustically transparent
grille cloth is ideal for
protecting drivers and
allowing all of the sound to
get through. **BLACK.**
1500 x 1000mm sheet x1
Black in colour
SPGC151



100V NON POLARISED NP

Suit HiFi X-Overs.

.47NP100	22NP100
1NP100	33NP100
2.2NP100	47NP100
3.3NP100	100NP100
4.7NP100	
10NP100	



100V NON POLARISED AXIAL

Suit HiFi X-Over Systems.

1RY100	33RY100
2.2RY100	47RY100
3.3RY100	68RY100
4.7RY100	100RY100
6.8RY100	150RY100
10RY100	220RY100
15RY100	330RY100
22RY100	470RY100



SOLEN METALIZED POLY' AUDIO CAPS

France. Crossover & Valve. 400Vdc 250Vac Premium Grade.

Value	Value
SCR.15 0.15µF	SCR4.7 4.7µF
SCR.27 0.27µF	SCR5.6 5.6µF
SCR1 1µF	SCR6.8 6.8µF
SCR1.6 1.6µF	SCR7.5 7.5µF
SCR2.2 2.2µF	SCR8.2 8.2µF
SCR3.0 3.0µF	SCR10 10µF
SCR3.3 3.3µF	SCR12 12µF
SCR3.9 3.9µF	SCR15 15µF

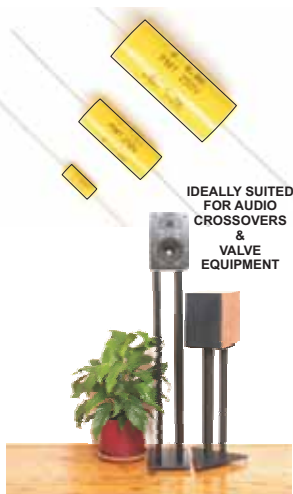
<http://www.solen.ca/caps/mkp3.htm>



250V METALIZED POLYPROPYLENE FILM

Non-Inductive, wrap and fill with polyester tape and epoxy resin.

Value
PMT.01 10nF
PMT.015 15nF
PMT.022 22nF
PMT.033 33nF
PMT.047 47nF
PMT.068 68nF
PMT.1 100nF
PMT.15 150nF
PMT.22 220nF
PMT.33 330nF
PMT.47 470nF
PMT.68 680nF
PMT1 1µF
PMT1.5 1.5µF
PMT2.2 2.2µF
PMT3.3 3.3µF
PMT4.7 4.7µF
PMT5.6 5.6µF
PMT6.8 6.8µF
PMT8.2 8.2µF
PMT10 10µF



IDEALLY SUITED FOR AUDIO CROSSOVERS & VALVE EQUIPMENT

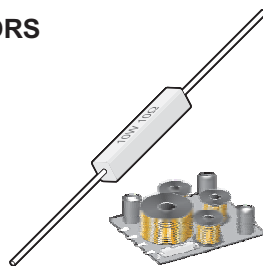
www.farad.net

NON-INDUCTIVE RESISTORS

Wire wound Ceramic. HQ.
0.22Ω → 100Ω in Popular Values.

5W x = Value in Ω
5NLRx

10W x = Value in Ω
10NLRx



.22 .27 .33 .39 .47 .51 .56 .68 .82 1.0 1.5 1.8 2.2 2.7 3.3 3.9 4.7 6.8 8.2 10 12 15 18
22 27 33 39 47 51 56 68 82 100

INDUCTORS 1mm(18AWG) X-OVER

Premium quality AIR-CORE for audiophile fidelity.

Value	DCΩ	Size mm
XLA.05 .05mH	0.1Ω	50x200
XLA.1 .10mH	0.1Ω	50x200
XLA.12 .12mH	0.1Ω	50x200
XLA.15 .15mH	0.2Ω	50x200
XLA.22 .22mH	0.2Ω	50x200
XLA.33 .33mH	0.3Ω	50x200
XLA.39 .39mH	0.3Ω	50x200
XLA.47 .47mH	0.3Ω	50x200
XLA.56 .56mH	0.4Ω	50x200
XLA.68 .68mH	0.5Ω	50x200
XLA.82 .82mH	0.5Ω	50x300
XLA1 1.0mH	0.6Ω	50x300
XLA1.2 1.2mH	0.7Ω	50x300
XLA1.5 1.5mH	0.8Ω	50x300
XLA1.8 1.8mH	0.8Ω	50x300
XLA2.2 2.2mH	0.8Ω	70x350
XLA2.7 2.7mH	0.9Ω	70x350
XLA3 3.0mH	0.9Ω	70x350
XLA3.3 3.3mH	1.2Ω	70x350
XLA3.9 3.9mH	1.4Ω	70x350
XLA4.7 4.7mH	1.4Ω	70x350
XLA5.6 5.6mH	1.4Ω	70x350
XLA6.8 6.8mH	1.5Ω	70x350
XLA8.2 8.2mH	1.8Ω	70x350
XLA10 10 mH	2.0Ω	90x450



F Dynamics make it impossible to specify a power rating (At least 100Wrms)

POLYSWITCH - AS SPEAKER PROTECTORS

The PolySwitch circuit protector is a positive temperature coefficient resistor that undergoes a large, quick increase in resistance when the over-current heats it above a specific point, going near open circuit! When the temperature reduces, the PolySwitch resets to a near short circuit, unharmed, to resume normal operation. No manual resetting is required. This makes them an ideal economical protector for building inside speakers. For the best performance it is recommended that each driver be individually protected.

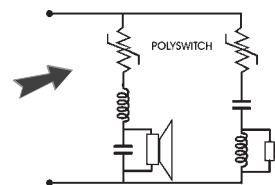
INSTRUCTIONS

It is not possible to simply recommended a polyswitch for a speaker wattage. Speaker power ratings, Impedances (and therefore Trip Current) supplied with speakers are generalized and are very difficult to determine with any real accuracy. This is standard for most types of speaker protection due to frequency and the dynamics of music! The only recommendation we can find is to pick a conservative value polyswitch and that if it repeatedly false triggers, select the next value up, with caution. To convert Power rating into Trip Current, use Ohms law: Determine the maximum power ratings for each driver

$P = 1.414 \times Prms = 1.414 \times Pnom = \frac{1}{2}Ppmpo = \frac{1}{2}Pp-p = Pmax$
Divide this value by the Impedance (R or Z), this gives you the trigger current (I trip). Select the RXE Code that has a lower trip current than the one you calculated. Double check your findings.

I hold I trip Cold Ω

RXE010	0.10	0.20	2.50
RXE017	0.17	0.34	2.00
RXE020	0.20	0.40	1.83
RXE025	0.25	0.50	1.25
RXE030	0.30	0.60	0.88
RXE040	0.40	0.80	0.55
RXE050	0.50	1.00	0.50
RXE065	0.65	1.30	0.31
RXE075	0.75	1.50	0.25
RXE090	0.90	1.80	0.20
RXE110	1.10	2.20	0.15
RXE135	1.35	2.70	0.12
RXE160	1.60	3.20	0.09
RXE185	1.85	3.70	0.08
RXE250	2.50	5.00	0.05
RXE300	3.00	6.00	0.04
RXE390	3.75	7.50	0.03



$$I = \sqrt{\frac{P}{Z}}$$