### AMPHENOD LD-3, LD-4, LD-5 & LD-6 DIES LABORATORY PUNCH & DIES Oses or punches with a micked or dull cutting edge will make a pagged tose for will require considerable make force for punching holes, on bangering the lite of the case. Sharpen by helding die or punch soughe are. Sharpen by holding die or punch square Keep Dies Sharp SPECIAL

COOLS

HOLES PUNCHED BY AMPHENOL DIES

STANDARD

R. M. A.

NUMBERING
SOCKET BOTTOM

4 CONTACT

No. 9 CONTACT

CROUNDING

# LD3— round hole LD4— round hole LD5— round hole LD6— rD hole \$300 LLst \$00 LLst

PUNCH PRESS PRODUCTION DIES

No. PP-1 & PP-2-List Price \$33.35 each

is punch and do in the most simple to the round die ring into ularge boster p on this joine trains guides, stops, etc. punching positions

For punching holes for Amphienol Retainer Ring mounting tube sockets, radio plugs, and electrical receptures and plugs. LD-1 & LD-2 DIES

'No. LD-2-IH' keyed hole ... \$10.00 List

PP & D

LD-2 and PP-2 dies punch a lij" hole for large 7-contact sockets which mount with large No. 4 rings.

(<u>Q</u>

Wherever it is plyratelly possible to do us, daughtend solvers have the centure funders model discript just the labelite levely on rocket toricon. This is no increasable and in everyone who works on the instrument in which the solver on the first model and the solver of the labelite do perturbate, but the order to the Jell in the model of M. A. without player as modeled to conduct the trapeace and all A. phroad players modeled to destinate to the players, and the physical producted to conduct to the appeace and the physical producted to conduct to the appeace and the physical producted to conduct to the appeace and the physical producted to conduct to the appeace and the physical producted to conduct to the appeace and the physical producted to consider the corresponding solves and between the part of the corresponding solves and between the corresponding solves and the part of the control of the contr

to desire or panel. The blowner or panel principle du Flor blowner, short pumpiph on the designing as lorg methods are anneled to made the designing as desirons man in selecting the purker which can be writed at the broat com jet unit, with greatest and are desirond operation. Cannots Amphonsel segment of electrons operation. Cannots Amphonsel segment

Ā

R E

CONTACT NUMBERING

SOCKETS FOR EVERY PURPOSE

(Э (©

(3) (A)

SMALL DIES

A.—4, "round hole punched by LD-4 for large miniature sockets.

B.—4, "D" shaped hole punched by LD-5 for minorure sockets having a flat on shank.

C.—1, "D" shaped hole punched by LD-6 for small miniature sockets.





Insulating Materials
HIGH DIELECTRIC BILACK BAKELITE
Unbes othersic specified, all Amphenol plags, seekets and
connectors are supplied with the insulating material modeled
from the best pair high distortic black backing

ICHANICAL CHARACTERISTICS atrendth, 8300 lbs. per square inchly at temperatures to 302° Fahrenheit isture absorption, less than 2% stilling higher temperatures to 500° F. is availating higher temperatures to 500° F.

disted on Page 19. The world's strongest sortest. Mounting plans is modeled directly into the hake lite body. Used in strends and mu-bile receivens and transmitters, in public address amplifiers.

"S" TIPE SOCKETS

SOCKET MARKINGS
Solves are supplied to manufactures with the title designation engaged in white, Making machine, such as the withing machine, such as the designation of the date man recommentally. Analysis to suppress Hundreds of this far at the engaged Hundreds of the far and the engaged Hundreds in can be quarkly supplied at a moderate comment supplied at a moderate comments on the tengened "Split", in:

Listed on Page 18. Undoubtedly it asset occasionated of all sockes it mass poderstone where a large sum her of a single unst are to be built frequence no receiving place or receive freely suched on the change one it has been been been been as a factor of the large of trouty in place by one cloud of a court hereof.

CHIMPAN SOCIETS

CHASSIS LINER SOCKETS

PP-I punches Ill" keyed hole; PP-2 punches Ill" keyed hole

. Punch and dies for b order. Please turns s. Prices will be quote

be built in the Amo not have tacilities
for any Amphenol
traish all necessary
moted upon request

RETAINER RING

HAND TOOLS

bleer stupper hiting over punch satisfactorily strips chassis in punch other piecons operation. At pilot pin is provided the punch and its use is optomal.

rink to fit small presses. When necessary to sees, a split sleeve should be used.

ude diameter. The dowel holes and the bottom make its inclusion into a marpensive.



FOR No. 2-9, 2-10 & 2-11 RINGS List Price-\$1.00 each FOR No.

Convenient feitner trig band took for assembling manuture societs, pluys and upocks to prants or chants. Consum of a sees the first into an a wooden bandle which the pluy of the corenor's handle which the pluy of the corenor's handle which as sufficiently long so that form and be because will not on the operator's hands.

No. \$1.5—for No. 2.9 retainer rings as used on sockets which mount in a \( \delta\_0^{\pi} \) round or "D" shaped hole.

No. 51.6—for No. 2-11 retainer rings as used on sockets and tip jacks which mount in a 36"

No. \$1.7—for No. 2-10 retainer rings as used on sockets which mount in a ½" round or "D"

NOTE: Above type retainer ring hand tools can essily be constructed by manufacturers in their own tool rooms. Simply fasten a length of brass or steel tubing, having the correct D. to a wooden handle. Chamler (bevel) inner wall of tabe.

Page 16

AMERICAN PHENOLIC CORPORATION . CHICAGO

Handy tools for grainly necessary scanners and panels meaning access, plurally meaning access, plurally meaning access, and panels plurages of small scat perses, leavening users based to from on panels plurages of small scat perses, leavening users based to from on position, and operated knocks from the plural so from one of the work being bardened steel. Handle is wood for comion or communication of the plural steel steels and the common of the plural steels. There was a steel than the common of the plural state of the

FOR "SS" SILATITE SOCKETS AND "60 & 81" RECEPTACLES

No. 313—For Small No. 4 Rings—83.53 List

For use with all Amphenol resultancering manulaing Shellies sockers
and plugs, and the "60" and "61" receptacies and plugs listed on
page 14. Tool as smaller to the cone listed drove but us shell as
page 14. Tool as smaller to the cone listed drove but us consumered
over socket. Returneer ring is placed on this case. Up-se placed
over socket, and placed on the case. Up-se placed
one is placed over cone and pressed down, forcing returnee frog
in no place.

ELECTRICAL CHARACTERISTICS
Values resistivity. Out mentaling seaso syche
Delectrical, 175-000, per non-considerer
Delectrical, 175-000, per non-considerer
Delectrical, 175-000, per non-considerer
Party Fatter, 0000 to -010 at 1,000,000 prefer
Less Fatter, 0000 to -030 at 1,000,000 prefer
Less Fatter, 0000 to -030 at 1,000,000 prefer
Less Fatter, 1000 to -030 at 1,000,000 prefer
Less Hand Commercial, to best to -030 at 1,000,000 prefer
Less Hand Fatter Commercial to the state of the making material
high and with slight frequency and high voltage application
where it is impacted to use Statetic or Folystyrees materials listed on pages 23, 36 and 37.

All seckes liked in this stating are available to manufacturess in production quantities, modeled from any color behavite such a set green, him, hours, etc. Calorest seckets are used for decorative pur-poses where the seckets are exposed, as on tube checkers and public address ampliferss.

Loktal and Miniature Sockets Listed on Page

22

AMERICAN PHENOLIC CORPORATION . CHICAGO

Page 17

ELECTRICAL CHARACTERISTICS

Volume relativity, L710S menchan cma.

Dielectric Strength, 400-500 volte per mil. inst.

Dielectric Comma 15 02 yet 1, 100,000 cycles

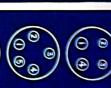
Delectric Comma 15, 200 at 1,000,000 cycles

Less Factor, 1 cm 2 3, 127 at 10,000,000 cycles

Less Factor, 1 cm 2 3, 127 at 10,000,000 cycles

for most odinary use in bone relies, public address amplifers and unifar electronic devices which are speciated
at relatively low frequencies, this insulating material is

recommended.



ID-I and PP-I dies punch a 114" keyed hale for 80 and 61 receptacles, and all but 7-large sockets and plugs.

The #\$ con-

taken. For example RS-8, gg-9 and RS-11 will have \$70 contacts. The most solderly used method of collecting these sockets on the production than is to preform broke on each of wires.

The #39 content to the content of th

Crisp on socket to be say the say the same of the same

G

### COLORED SOCKETS Listed on Page 21. These sockets are assumed with the Ampleand patential retainer ring, and no screen or rivels are required, blud exten-sively on text equipment, public ad-dress amplifiers and on other apparatus where the sockets are ra-posed. REPLACEMENT SOCKETS Listed on Page 20. Above "N" type actives, assembled to a steel measting plate with slotted measuring holes, Used by radio accretioners for replacing inferior water type suckets. VERSATILE MOUNTINGS

Every socket, plug and connector listed in this earling with the finalizing material model from black baddlet can also we have pulpied with a new and improved most filled baddlet. When notering simply add the letter "P", to the part man-ber and 1% to the layer for example, the MGF man ber and 1% to the layer. The connect MCGFT at \$1.11 int.

Improved
Low-Loss Mica-Filled Bakelite

MECHANICAL CHARACTERISTICS Tensile strength, 6500 lbs. per square inch Use safely at temperatures to 275° Fabrenheit Moisture absorption, .07%



# CHASSIS LOCK

# SOCKETS FOR HIGH SPEED PRODUCTION

## SOCKETS -Lower first cost. Tooling and tooling mainten ance is exceptionally low.































8 Sockets completely assembled to chassis \* THIS PICTURE TELLS THE STORY

With One Stroke of the Punch Press









AMPHENOL QUALITY MAINTAINED







Tooling for Chassis Lock is Economical



No. LD-8 LABORATORY HAND DIE







ANTI-MICROPHONIC SOCKETS
OCTAL STYLE ONLY
NO. MPR-FX — Block Backellie Socket—32c List
No. MIPR-FXT — Micro-Filled Backellie — 45c List
No. MIPR-FXT — Micro-Filled Backellie — 45c List

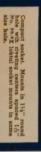






CRIMP-ON SOCKET





AMERICAN PHENOLIC CORPORATION . CHICAGO

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AMERICAN PHENOLIC CORPORATION . CHICAGO

# MIP

CROSS SECTION
VIEW OF MIP

# (MOLDED-IN-PLATE)

# High Dielectric Black or Low-Loss Mica-Filled Bakelite World's Strongest Socket



(Other colors available in production quantities at slightly higher prices)

20-CONTACT SOCKET

No. MIP20 — Black Bakelile Secket

No. MIP20T — Mica-Filled Bakelile





octal and lokinl seckets, barust mphenol MIP socket liated above and with 14" mounting centers.	oktal X—17c List	A Mount
octal and loktal seckets, having all the has imphoned MIP secket lasted above, but smaller and with 14" mounting centers.	Octal No. 88-8—12c List	Mounting Centers

Companion octal and lokini sockets, barring all I	Loktal No. 88-8X—17c List	COMPACT SOCKETS  I A" Mounting Centers
sockets, having all the to	Octal No. 88-8—12c List	MPACT SOCKETS  Nounting Centers  Control

m octal and loktal sockets barries Anaphenol MP socket latest above so and with 1/6" mounting states and the small midwal and so latest the smaller mounting cases due to accuracy whose the standard secture of the imperious contest secture of the imperious contest.	oktal 8X—17c List	3
m outsi and behad seckets having all the fire Ausphanted MIP socket laund observe. Mel marlier we cand with IAP mountains possess. Mel marlier with white IAP mountains observe share that the conserve where the attended sockets because of the impression constant sections. So because of the impression constant sections.	Octal No. 88-8—12c List	16

See Page 17 for Electrical Characteristics of Black and Mica-

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