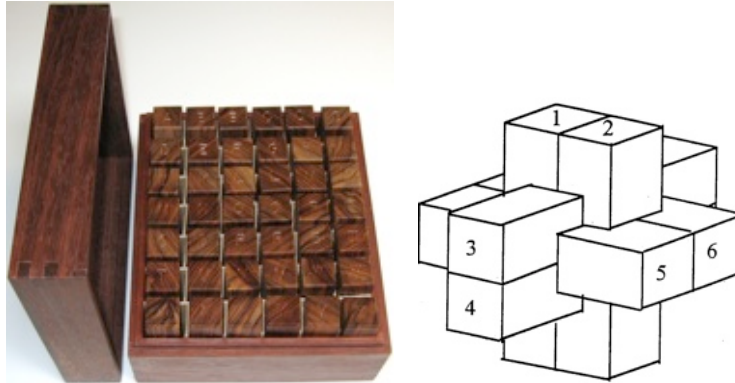


# Interlocking Puzzles Burr Set



Made by Interlocking Puzzles 2000.

(7 x 6 x 3.4 inch Jarrah box with 42 Chechen pieces, each 3/4 x 3/4 x 2.4 inches)

25 distinct notchable 2 x 2 x 6.5 unit pieces, indexed from A to Y, a total of 42 pieces including duplicates, which can be used to assemble the 314 different level 1 six piece burrs that have no holes. The set comes with five puzzle cards and five solution clue cards that list the pieces in order from 1 to 6 according to where they belong in the diagram above. This set does not contain all possible notchable pieces; just has the pieces necessary (and enough copies) to make all 6-piece notchable burrs with no holes. Also, some higher level burrs can be constructed with this set; for example, *L5 Notchable* is OODXNL and *Holey Astigmatism* is TYLLUM. Note that because the pieces are more than 6 units long, there are some higher level burrs that don't quite work, but would if the pieces were exactly 6 units long.

1. <u>Puzzle Descriptions</u>						1. <u>Puzzle Solution Clues</u>					
001	ALLXXX	022	CDPPYY	043	ADDVYY	001	XXAXLL	022	PYPDCY	043	VYAYDD
002	BBTYYY	023	CDPPYY	044	ACMXYY	002	YYBBTY	023	YPPCDY	044	XYAMYC
003	AHTYYY	024	CDPPYY	045	ADMXYX	003	YYAHYT	024	YPPCDY	045	XYAMDY
004	AKTYYY	025	ALPXYY	046	AILOUY	004	YYAKYT	025	PXALYY	046	UYALOI
005	ALLUXY	026	ALSVYY	047	AILOUY	005	UXAYLL	026	YVAYSL	047	UYAOLI
006	BBXXYY	027	ALSWYY	048	AJLNUY	006	XXBBYY	027	WYAYSL	048	UYALJN
007	BETYYY	028	BCPXYY	049	AJLNUY	007	YYBEYT	028	XPBCYY	049	UYANJL
008	AKXXYY	029	BCPXYY	050	AKVXYY	008	XXAKYY	029	XYBPCY	050	XYAKYV
009	ALSXYX	030	BDPXYY	051	AKWXYX	009	YYAXLS	030	PXBDYY	051	XYAKWY
010	ACLUIY	031	BDPXYY	052	AMMXYY	010	UYAYLC	031	YXBPYD	052	MMAXYY
011	ACLXXY	032	ELPTYX	053	BCPWYY	011	XYAXLC	032	YYPELT	053	YPBCWY
012	ADLUYY	033	AFLRYX	054	BCPWYY	012	UYAYDL	033	RYALFY	054	YPBCYW
013	ADLXXY	034	AGLQYY	055	BCPWYY	013	XYAXDL	034	QYALYG	055	YYBPWC
014	ALTUIY	035	ALMXXY	056	BDPVYY	014	YYAULT	035	XXAMLY	056	PYBDVY
015	LLPPXX	036	ALTVVY	057	BDPVYY	015	XXPPLL	036	VYAVLT	057	PYBDYV
016	ACCXYX	037	ALTWWY	058	BDPVYY	016	YYAXCC	037	WYAWTL	058	YYBPVD
017	ADDXYX	038	BBVXYY	059	CLPPXY	017	YYAXDD	038	XYBBYV	059	XPPCLY
018	ALMTYY	039	BBWXYY	060	CLPPXY	018	YYAMLT	039	YXBBWY	060	XYPPCL
019	AMSYXX	040	BLPXXY	061	DLPPXY	019	YYAMYS	040	XXBPYL	061	PXPDLY
020	BLPTYX	041	LPPSYX	062	DLPPXY	020	YYBPTL	041	YYPPLS	062	YXPPLD
021	BPSYXX	042	ACCWYY	063	ACLWXY	021	YYBPYS	042	WYAYCC	063	WXAYCL

## IP Burr Set Cards 2 and 3

2. Puzzle Descriptions					2. Puzzle Solution Clues						
064	ADLVXY	085	AGLOVY	106	ANPQYY	064	VXAYLD	085	VYAOLG	106	PYANYQ
065	AJRTTY	086	AFLNWX	107	ANPQYY	065	RYAJTY	086	WYALFN	107	PYAYNQ
066	AIQTTY	087	AFLNWX	108	AOPRYY	066	QYAIYT	087	WYANFL	108	OPAYYR
067	AMPYYY	088	ANOSXY	109	AOPRYY	067	MPAYYY	088	NOAXSY	109	PYAORY
068	ANQSYX	089	ANOSXY	110	AOPRYY	068	NQAYSX	089	NYAXSO	110	PYAYRO
069	ANQSYX	090	ANOSXY	111	BHNOTY	069	QYANYS	090	OYAXNS	111	ONBHYT
070	ANQSYX	091	BBVWYY	112	BLPVXY	070	QYAYNS	091	YYBBWV	112	XYBPVL
071	AORSYY	092	BNQTTY	113	BLPWXY	071	ORAYYS	092	QNBTYT	113	YXBPWL
072	AORSYY	093	BORTTY	114	LNPQTT	072	RYAOSY	093	ORBTYT	114	QNPTLT
073	AORSYY	094	ANOTUY	115	LOPRTT	073	RYAYSO	094	NOAUTY	115	ORPTLT
074	BCFRYY	095	ANOTUY	116	ACNOUY	074	YRBCYF	095	NYAUTO	116	NUAYCO
075	BDGQYY	096	ANOTUY	117	ACNOUY	075	QYBDYG	096	OYAUNT	117	UYANOC
076	BFRTYY	097	BQRSYY	118	ACORXY	076	YRBFYT	097	QYBRYX	118	RXAOCY
077	BGQTTY	098	BQRSYY	119	ACORXY	077	QYBGYT	098	YRBQYS	119	RXAYCO
078	BMMUYY	099	ACNOXX	120	ADNOUY	078	MMBUYX	099	NXAXCO	120	OUAYND
079	ALNOUX	100	ADNOXX	121	ADNOUY	079	UXALON	100	OXAXND	121	UYAODN
080	ALNOUX	101	ALMVXY	122	ADNQXY	080	UXANOL	101	XYAMLV	122	QXAYND
081	ALNOUX	102	ALMWXY	123	ADNQXY	081	UXAOLN	102	XYAMWL	123	QXANYD
082	ALPVYY	103	ALQRXY	124	AINOOU	082	PYALYV	103	RXALQY	124	NUAOIO
083	ALPWYY	104	ALQRXY	125	AJNNOU	083	PYALWY	104	QXALYR	125	OUANNJ
084	AGLOVY	105	ANPQYY	126	AMNOTY	084	VYALOG	105	NPAYQY	126	NOAMTY
























3. Puzzle Descriptions					3. Puzzle Solution Clues						
127	AMNOTY	148	BDQRXY	169	BPQRYY	127	NYAMTO	148	QXBRYD	169	YPBQYR
128	AMNOTY	149	CDPQRY	170	BPQRYY	128	OYAMNT	149	QYPDCR	170	PYBRYQ
129	BNOPTY	150	CDPQRY	171	BNOSUY	129	NYBPTO	150	QYPRCD	171	ONBUYS
130	BNOPTY	151	CDPQRY	172	LNOPST	130	YOBPTN	151	YRPCDQ	172	ONPSLT
131	BNOPTY	152	CDPQRY	173	NOPPSY	131	NOBPTY	152	YRPQDC	173	NOPPSY
132	BNOSTY	153	ENOPTY	174	NOPPSY	132	ONBSYT	153	NOEPTY	174	NYPPSO
133	CFLPRY	154	ENOPTY	175	NOPPSY	133	YRPCLF	154	NYEPTO	175	YOPPSN
134	CLPPWY	155	ENOPTY	176	AFNNOW	134	YPPCLW	155	YOEPTN	176	OWANNF
135	DGLPQY	156	HLNOPT	177	AGNOOV	135	QYPDLG	156	ONPHLT	177	NVAOGO
136	DLPPVY	157	ACMVYY	178	AMNOXX	136	PYPDLV	157	YYAMCV	178	MXAXNO
137	FLPRTY	158	ADMWYY	179	ANNQOQ	137	YRPFLT	158	YYAMDW	179	NNAXQQ
138	GLPQTY	159	ALORVX	180	AOORRX	138	QYPGLT	159	VXALOR	180	OOAXRR
139	LMPPUY	160	ALORVX	181	ANOTVV	139	MMPULY	160	VXAOLR	181	NVAVTO
140	AIOTVY	161	ALNQWX	182	ANOTWW	140	VYAIOT	161	WXANQL	182	OWAWNT
141	AJNTWY	162	ALNQWX	183	ANOSVY	141	WYAJTN	162	WXALQN	183	VYANOS
142	ANOPXY	163	AMQRYY	184	ANOSVY	142	PXAONY	163	MRAYYQ	184	NVAYSO
143	ANOPXY	164	AMQRYY	185	ANOSWY	143	PXANYO	164	MQAYRY	185	OWAYNS
144	ANOPXY	165	BMPVYY	186	ANOSWY	144	PXAYNO	165	MPBVYY	186	WYAOSN
145	BCQRXY	166	BMPWYY	187	COPPRY	145	XRBCYQ	166	PMBWYY	187	POPRCY
146	BCQRXY	167	BFIORY	188	COPPRY	146	XRBOYC	167	ORBIYF	188	PYPRCO
147	BDQRXY	168	BGJNQY	189	COPPRY	147	QXBDYR	168	QNBJYG	189	YOPPCR

## IP Burr Set Cards 4 and 5

4. Puzzle Description					4. Puzzle Solution Clues						
190	CLPQRX	211	AORTWY	232	ACNOWX	190	XRPCLO	211	ORAWYT	232	WXAOCN
191	CLPQRX	212	AORTWY	233	ADNOVX	191	XRPQLC	212	RYAWTO	233	VXANOD
192	DLPQRX	213	BNPQWY	234	BCQRWY	192	QXPDLR	213	NYBPWQ	234	YRBCWQ
193	DLPQRX	214	BNPQWY	235	BCQRWY	193	QXPRLD	214	YPBQWN	235	YRBQWC
194	DNPPQY	215	BNPQWY	236	BDQRVY	194	NPPQDY	215	PNBWYQ	236	QYBDVR
195	DNPPQY	216	BNPQWY	237	BDQRVY	195	NYPPDQ	216	NPBQWY	237	QYBRVD
196	DNPPQY	217	BOPRVY	238	BIOPWY	196	YPPQDN	217	YOBPVR	238	OPBIYW
197	LPQRSY	218	BOPRVY	239	BJNPVY	197	QYPRLS	218	OPBVYR	239	PNBJYV
198	LPQRSY	219	BOPRVY	240	LNPPQX	198	YRPQLS	219	PYBRVO	240	XPPQLN
199	ACQRYY	220	BOPRVY	241	LOPPRX	199	RYAYCQ	220	POBRVY	241	PXPRLO
200	ADQRYY	221	FILOPR	242	ACNQXY	200	QYAYRD	221	ORPILF	242	NYAXCQ
201	AFNORY	222	GJLNPO	243	ADORXY	201	ORANYF	222	QNPJLG	243	OYAXRD
202	AFNORY	223	ILOPPW	244	AMNOUY	202	RYANFO	223	OPPILW	244	MUAYNO
203	AGNOQY	224	JLNPPV	245	BNPQXY	203	NQAOGY	224	PNPJLV	245	XPBQYN
204	AGNOQY	225	LMPPVY	246	BNQSWY	204	QYAONG	225	MPPVLY	246	QNBWYS
205	AMNQXY	226	LMPPWY	247	BOPRXY	205	MNAXYQ	226	PMPWLY	247	PXBRYO
206	AMNQXY	227	LNOPSU	248	BORSVY	206	MYAXNQ	227	ONPULS	248	ORBVYS
207	AMORXY	228	LPPQRY	249	CNOPPX	207	MOAXRY	228	YPPQLR	249	XOPPCN
208	AMORXY	229	LPPQRY	250	DNOPPX	208	MYAXRO	229	PYPRLQ	250	NXPPDO
209	ANQTVY	230	ACIOWY	251	ANOPVY	209	NQAVTY	230	WYAOCI	251	NPAOVY
210	ANQTVY	231	ADJNVY	252	ANOPVY	210	QYAVNT	231	VYANJD	252	PYAONV

5. Puzzle Descriptions					5. Puzzle Solution Clues						
253	ANOPWY	274	BNOPWX	295	ANOQRV	253	OPANYW	274	NXBPWO	295	NRAOVQ
254	ANOPWY	275	LMNPQU	296	ANOQRW	254	PYANWO	275	MNPULQ	296	OQANRW
255	BMNQYU	276	LMOPRU	297	CDQQRR	255	MNBUYQ	276	OMPULR	297	RQQDRC
256	BMORUY	277	LNPPQW	298	CDQQRR	256	OMBUYR	277	PNPWLQ	298	RQCRDQ
257	ACNQWY	278	LOPPRV	299	CDQQRR	257	NWAYCQ	278	OPVLR	299	RQCDRQ
258	ACNQWY	279	ACORVY	300	CDPQRY	258	WYANQC	279	RYAOCV	300	RPQDYC
259	ADORVY	280	ADNQWY	301	CDPQRY	259	OVAYRD	280	QYANWD	301	PQCRDY
260	ADORVY	281	AMNQWY	302	CFNOPR	260	VYAODR	281	MWAYNQ	302	RNCPOF
261	ANQQRY	282	AMORVY	303	CNOPPW	261	NRAYQQ	282	MVAYRO	303	PNCPOW
262	ANQQRY	283	BNQQRW	304	COPQRR	262	RYANQQ	283	NRBQWQ	304	RPQROC
263	AOQRRY	284	BOQRRV	305	DGNOPO	263	OQAYRR	284	QOBRVR	305	OQPDGN
264	AOQRRY	285	COPQRR	306	DNOPPV	264	QYAORR	285	QOPRCR	306	OPPDVN
265	LNPQSW	286	DNPQQR	307	DNPQQR	265	QNPWLS	286	NRPODQ	307	PQQORDN
266	LOPRSV	287	BMQRVY	308	FNOPRT	266	ORPVLS	287	MRBVYQ	308	RNF POT
267	ALQRWY	288	BMQRWY	309	GNOPQT	267	QYALWR	288	QMBWYR	309	OQPGTN
268	ALQRVY	289	LMPQRV	310	NOPPQR	268	RYALQV	289	MRPVLQ	310	PPQRON
269	AMNOVX	290	LMPQRW	311	NOPPQR	269	NXAMVO	290	QMPWLR	311	PNQPOR
270	AMNOWX	291	AINOQW	312	NOPPQR	270	OXAMNW	291	NWAOIQ	312	OPPRQN
271	ANOQRX	292	AJNORV	313	NOPQRS	271	QXAONR	292	OVANRJ	313	RNQPOS
272	ANOQRX	293	AMNQVY	314	NOPQRS	272	RXANQO	293	NYAMVQ	314	OQPRSN
273	BNOPVX	294	AMORWY			273	XOBPVN	294	OYAMRW		

# IP Burr Set 25 Distinct Pieces

 A	 B	 C	 D
 E	 F	 G	 H
 I	 J	 K	 L
 M	 N	 O	 P
 Q	 R	 S	 T
 U	 V	 W	 X
 Y			

## IP Burr Set 25 Example, The DGNOPQ Burr

Puzzle number 305 is {D,G,N,O,P,Q}. The solution hint 305 lists the order {O, Q, P, D, G, N}.

Looking at the burr figure we can make the correspondence:

$$\begin{array}{lll} 1 = O & 3 = P & 5 = G \\ 2 = Q & 4 = D & 6 = N \end{array}$$

With this correspondence, one can see from the figure where each piece goes in the solved puzzle (but not which way to flip or rotate it), and this can make it a fun, but still not too easy, to solve the puzzle. The trick for this one is to first see how the pieces must fit together when solved, and then realize that the only way to put it together is to put three together into one half, three together in the other half, and then slide the three halves together:

