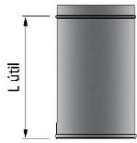

**KET1**      **MÓDULO RECTO 1 M**  
**STRAIGHT PIPE 1 M**

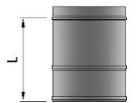
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
Øext	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
L útil	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950
A	38	38	38	38	38	38	38	38	40	40	40	40	40	40	40	40


**KETO**      **MÓDULO RECTO 0,5 M**  
**STRAIGHT PIPE 0,5 M**

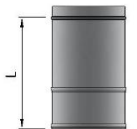
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450


**KETP**      **MÓDULO RECTO 0,25 M**  
**STRAIGHT PIPE 0,25 M**

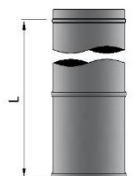
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200


**KEEP**      **MÓDULO EXTENSIBLE 0,25 A 0,35 M**  
**ADJUSTABLE PIPE 0,25 TO 0,35 M**

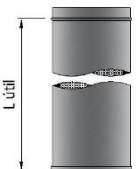
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L min	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
L max	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350


**KEEG**      **MÓDULO EXTENSIBLE 0,35 A 0,50 M**  
**ADJUSTABLE PIPE 0,35 TO 0,50 M**

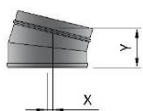
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L min	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
L max	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500


**KEE5**      **MÓDULO EXTENSIBLE 0,50 A 0,82 M**  
**ADJUSTABLE PIPE 0,50 TO 0,82 M**

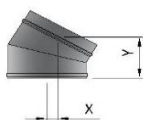
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L min	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
L max	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820


**KEMS**      **MÓDULO SILENCIADOR 1 M**  
**SILENCER PIPE 1 M**

Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950


**KECQ**      **CODO 15°**  
**ELBOW 15°**

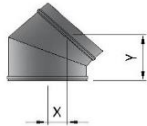
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
X	11	11,4	11,8	12,2	12,7	13,1	13,7	14,3	17	18	19	20	20	21	22	23
Y	122	124	128	131	134	137	143	148	171	177	183	190	192	203	209	216


**KECT**      **CODO 30°**  
**ELBOW 30°**

Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
X	24,8	26,1	27,8	29,5	31,1	32,8	35,7	38,5	47	50	54	57	60	64	67	70
Y	130	135	142	148	154	160	172	184	215	227	240	252	262	277	290	302

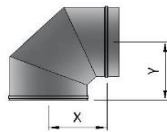


**KECC**      **CODO 45°**  
**ELBOW 45°**



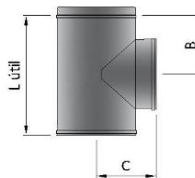
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
X	47	50	54	58	61	65	72	80	84	94	102	109	116	124	131	138
Y	130	137	146	154	163	172	190	207	243	268	285	303	321	338	356	374

**KECN**      **CODO 90°**  
**ELBOW 90°**



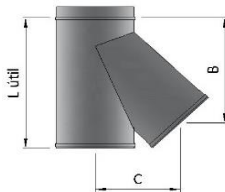
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
X	135	145	158	170	183	195	220	245	286	311	336	361	-	-	-	-
Y	150	160	173	185	198	210	235	260	330	355	380	405	-	-	-	-

**KETN**      **TE 90°**  
**TEE 90°**



Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	295	315	340	365	453	453	480	530	536	586	636	686	736	786	836	886
B	140	150	163	175	220	215	230	255	246	271	296	321	346	371	396	421
C	135	145	158	170	183	195	220	245	290	315	340	365	390	415	440	465

**KETC**      **TE 135°**  
**TEE 135°**



Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	314	342	377	413	448	484	554	625	722	792	941	941	1005	1075	1146	1217
B	252	273	299	326	352	379	432	485	551	604	657	710	763	816	869	922
C	175	192	213	234	256	277	320	362	412	455	497	540	583	625	668	711

**KETA**      **TAPA SIN DRENAJE**  
**LID WITHOUT DRAIN**



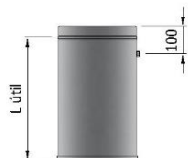
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	44	44	44	44	44	44	44	44	59	59	59	59	59	59	59	59

**KETD**      **TAPA CON DRENAJE**  
**LID WITH DRAIN**



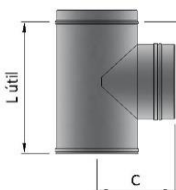
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	59	59	59	59	59	59	59	59	74	74	74	74	74	74	74	74

**KEMC**      **MÓDULO DE COMPROBACIÓN 0,5 M**  
**CHECKING PIPE 0,5 M**

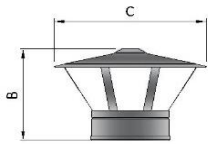


Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450

**KETI**      **TE DE INSPECCIÓN**  
**INSPECTION TEE**



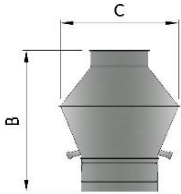
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	286	310	335	360	440	440	480	530	536	586	636	686	736	786	836	886
B	134	150	163	175	218	215	230	255	246	271	296	321	346	371	396	421
C	180	190	200	215	225	240	265	290	339	364	389	414	439	464	489	514


**KECP**      **CAPERUZA**  
**CAP**

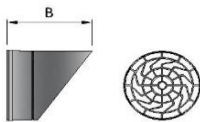
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	229	254	286	309	371	355	394	438	453	488	509	517	524	532	539	547
C	240	300	350	400	450	500	580	660	750	840	900	950	1000	1050	1100	1150


**KEKO**      **CONO SALIDA LIBRE**  
**CONE**

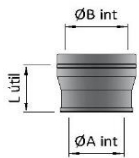
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	190	190	190	190	190	190	190	190	250	250	250	250	250	250	250	250


**KEJE**      **CAPERUZA JET**  
**JET CAP**

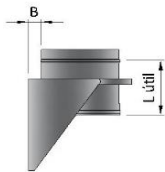
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	-	-	369	413	456	500	588	675	815	907	995	1082	1170	1257	-	-
C	-	-	272	310	349	388	465	543	621	700	779	858	936	1015	-	-


**KETH**      **TERMINAL SALIDA HORIZONTAL**  
**HORIZONTAL OUTLET**

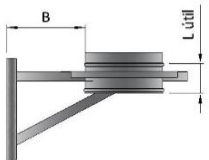
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B	201	215	233	250	268	285	320	355	430	465	490	535	570	605	640	675


**KEAM**      **AMPLIACIÓN**  
**INCREASER**

ØA int	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	-
ØB int	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	-
L útil	175	175	175	175	175	175	175	195	210	210	210	210	210	210	210	-


**KESB**      **SOPORTE BASE REGULABLE**  
**ADJUSTABLE BASE SUPPORT**

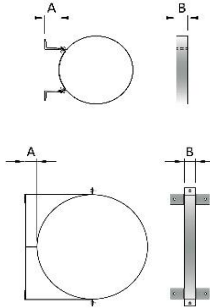
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	200	200	200	200	200	200	200	200	250	250	250	250	250	250	250	250
Bmín	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Bmax	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80


**KESR**      **SOPORTE BASE REGULABLE**  
**ADJUSTABLE BASE SUPPORT**

Øint	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	200	200	200	200	200	200	200	200	250	250	250	250	250	250	250
Bmín	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Bmax	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280

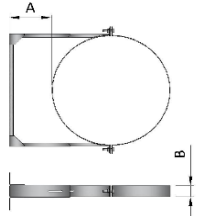

**KESP**      **PLACA DE SOPORTE BASE**  
**CONSOLE PLATE**

Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
L útil	122	122	122	122	122	122	122	122	150	150	150	150	150	150	150	150
B	80	80	80	80	80	80	80	80	100	100	100	100	100	100	100	100

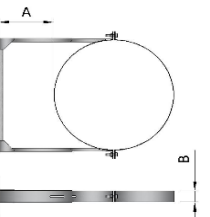
**HISA SOPORTE MURAL REGULABLE 50 A 80 MM**  
**ADJUSTABLE WALL SUPPORT 50 TO 80 MM**


ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Amin.	50	50	50	50	50	50	50	50	-	-	-	-	-	-	-	-
Amax.	80	80	80	80	80	80	80	80	-	-	-	-	-	-	-	-
B	30	30	40	40	40	40	40	40	-	-	-	-	-	-	-	-

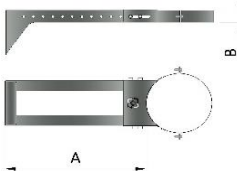
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50	50
B	-	-	-	-	-	-	-	-	40	40	40	40	60	60	60	60

**HIS1 SOPORTE MURAL REGULABLE 80 A 130 MM**  
**ADJUSTABLE WALL SUPPORT 80 TO 130 MM**


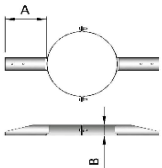
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Amin.	80	80	80	80	80	80	80	80	80	80	80	80	80	80	-	-
Amax.	130	130	130	130	130	130	130	130	130	130	130	130	130	130	-	-
B	40	40	40	40	40	40	40	40	40	40	40	40	60	60	-	-

**HIS2 SOPORTE MURAL REGULABLE 130 A 210 MM**  
**ADJUSTABLE WALL SUPPORT 130 TO 210 MM**


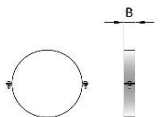
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Amin.	130	130	130	130	130	130	130	130	130	130	130	130	130	130	-	-
Amax.	210	210	210	210	210	210	210	210	210	210	210	210	210	210	-	-
B	40	40	40	40	40	40	40	40	40	40	40	40	60	60	-	-

**HIS4 SOPORTE MURAL REGULABLE 80 A 440 MM**  
**ADJUSTABLE WALL SUPPORT 80 TO 440 MM**


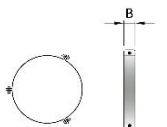
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Amin.	80	80	80	80	80	80	80	80	-	-	-	-	-	-	-	-
Amax.	440	440	440	440	440	440	440	440	-	-	-	-	-	-	-	-
B	30	30	40	40	40	40	40	40	-	-	-	-	-	-	-	-

**HISF SOPORTE FORJADO**  
**JOIST SUPPORT**


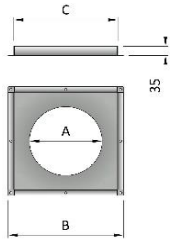
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
B	30	30	40	40	40	40	40	40	40	40	40	40	60	60	60	60

**HISH SOPORTE PARA MONTAJE HORIZONTAL INOX**  
**CEILING SUPPORT STEEL**


ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
B	30	30	40	40	40	40	40	40	40	40	40	40	60	60	60	60

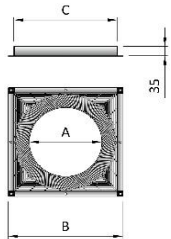
**HIAV ABRAZADERA DE VIENTOS**  
**ANTI-WIND LOCKING BAND**


ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
B	30	30	40	40	40	40	40	40	40	40	40	40	50	50	50	50



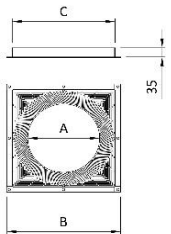
**HIPC** PLACA CORTA-FUEGOS INOX.  
FIRE-STOP PLATE INOX.

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	140	160	185	210	235	260	310	360	-	-	-	-	-	-	-	-
B	292	312	337	362	387	412	462	512	-	-	-	-	-	-	-	-
C	252	272	297	322	347	372	420	472	-	-	-	-	-	-	-	-



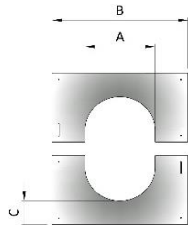
**HIPV** PLACA CORTA-FUEGOS VENTILADA INOX.  
VENTILATED FIRE-STOP PLATE INOX.

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	140	160	185	210	235	260	310	360	-	-	-	-	-	-	-	-
B	292	312	337	362	387	412	462	512	-	-	-	-	-	-	-	-
C	252	272	297	322	347	372	420	472	-	-	-	-	-	-	-	-



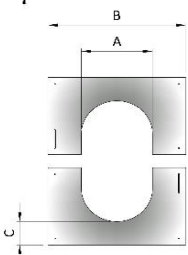
**HGPB** PLACA CORTA-FUEGOS BLANCA VENTILADA  
VENTILATED FIRE-STOP PLATE WHITE

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	140	160	185	210	235	260	310	-	-	-	-	-	-	-	-	-
B	292	312	337	362	387	412	462	-	-	-	-	-	-	-	-	-
C	252	272	297	322	347	372	420	-	-	-	-	-	-	-	-	-



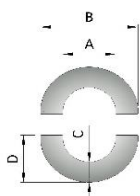
**HIPE** PLACA EMBELLECEDORA 0° A 30°  
FINISHING PLATE 0° TO 30°

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	405	455	505	555	605	655	705	755
B	315	335	415	440	465	490	540	590	640	690	740	790	840	890	940	990
C	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90



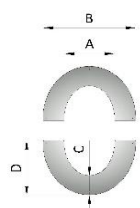
**HIPB** PLACA EMBELLECEDORA 30° A 45°  
FINISHING PLATE 30° A 45°

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	405	455	505	555	605	655	705	755
B	315	335	415	440	465	490	540	590	640	690	740	790	840	890	940	990
C	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90



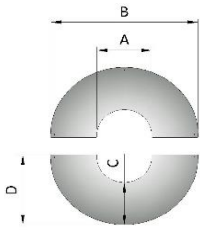
**HIPS** PLACA EMBELLECEDORA REDONDA 90°  
ROUND FINISHING PLATE 90°

Øext	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	-	-	-	-	-	-	-	-
B	283	303	328	353	378	403	453	503	-	-	-	-	-	-	-	-
C	75	75	75	75	75	75	75	75	-	-	-	-	-	-	-	-
D	152	162	174	187	199	212	237	262	-	-	-	-	-	-	-	-

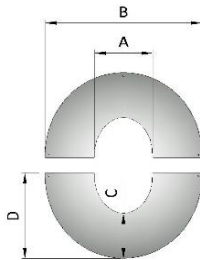


**HIPT** PLACA EMBELLECEDORA REDONDA 45°  
ROUND FINISHING PLATE 45°

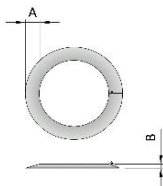
Øext	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	-	-	-	-	-	-	-	-
B	283	303	328	353	378	403	453	503	-	-	-	-	-	-	-	-
C	75	75	75	75	75	75	75	75	-	-	-	-	-	-	-	-
D	179	193	211	229	246	264	299	335	-	-	-	-	-	-	-	-


**HIPU** PLACA EMBELLECEDORA REDONDA 150 90°  
 ROUND FINISHING PLATE 150 90°

Øext	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	-	-	-	-	-	-	-	-
B	433	453	478	503	528	553	603	653	-	-	-	-	-	-	-	-
C	150	150	150	150	150	150	150	150	-	-	-	-	-	-	-	-
D	227	237	249	262	274	287	312	337	-	-	-	-	-	-	-	-


**HIPW** PLACA EMBELLECEDORA REDONDA 150 45°  
 ROUND FINISHING PLATE 150 90°

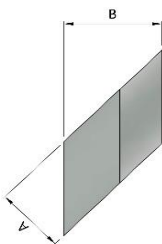
Øext	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	135	155	180	205	230	255	305	355	-	-	-	-	-	-	-	-
B	433	453	478	503	528	553	603	653	-	-	-	-	-	-	-	-
C	150	150	150	150	150	150	150	150	-	-	-	-	-	-	-	-
D	254	268	286	304	321	339	374	410	-	-	-	-	-	-	-	-


**HITJ** TAPAJUNTAS  
 JOINT COVER

ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	40	40	40	40	50	50	50	50	70	70	70	100	100	100	100	100
B	15	15	15	15	15	15	15	15	25	25	25	25	25	25	25	25


**HIPM** PASAMUROS  
 WALL SLEEVE

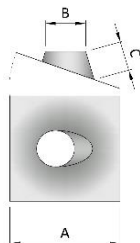
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
ØA	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750	800
B	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325


**HGNA** PASAMUROS 45° EXTENSIBLE  
 WALL SLEEVE 45° ADJUSTABLE

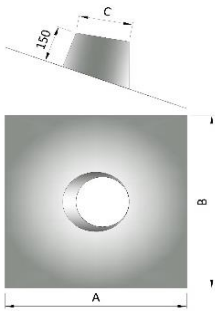
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	150	175	200	225	250	300	325	375	-	-	-	-	-	-	-	-
Bmin.	200	200	200	200	200	200	200	200	-	-	-	-	-	-	-	-
Bmax.	350	350	350	350	350	350	350	350	-	-	-	-	-	-	-	-


**HICO**

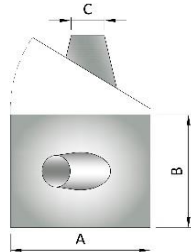
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
ØA	290	310	335	360	385	410	-	-	-	-	-	-	-	-	-	-
B	400	400	400	400	400	400	-	-	-	-	-	-	-	-	-	-


**HICU** CUBRE-AGUAS ADAPTABLE 0 A 35°  
 ADJUSTABLE FLASHING 0 TO 35°

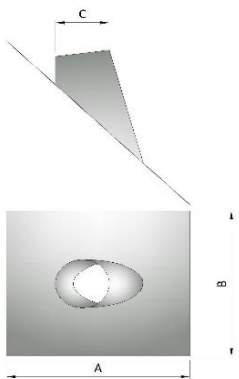
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	615	640	675	700	725	750	805	970	990	990	990	-	-	-	-	-
B	155	175	200	225	250	275	325	375	425	475	525	-	-	-	-	-
C	150	160	170	180	190	200	220	250	270	290	310	-	-	-	-	-


**HICR** CUBREAGUAS DE PLOMO 0°- 20°  
**LEAD FLASHING 0°- 20°**

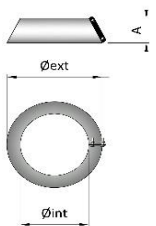
Ø	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	676	697	724	750	786	813	865	917	-	-	-	-	-	-	-	-
B	655	675	700	725	750	775	825	875	-	-	-	-	-	-	-	-
C	140	160	185	210	245	270	320	370	-	-	-	-	-	-	-	-


**HICS** CUBREAGUAS DE PLOMO 20°- 45°  
**LEAD FLASHING 20°- 45°**

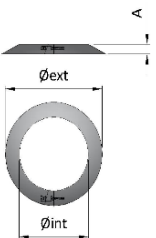
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	689	717	751	758	786	820	855	903	-	-	-	-	-	-	-	-
B	605	625	650	655	675	700	725	750	-	-	-	-	-	-	-	-
C	90	110	135	140	160	185	210	245	-	-	-	-	-	-	-	-


**HICT** CUBREAGUAS DE PLOMO 45°- 60°  
**LEAD FLASHING 45°- 60°**

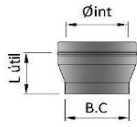
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	815	855	904	953	1000	1000	1000	1000	1000	-	-	-	-	-	-	-
B	655	675	700	725	750	775	825	875	925	-	-	-	-	-	-	-
C	140	160	185	210	245	270	320	370	420	-	-	-	-	-	-	-


**HILL** COLLARÍN ANTILLUVIA  
**COLLAR**

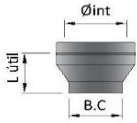
ØNom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Øext	205	225	275	300	325	350	400	450	525	575	625	675	725	800	850	900
Øint	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
A	75	75	100	100	100	100	100	100	125	125	125	125	125	150	150	150


**HILM** COLLARÍN ANTILLUVIA CORTO  
**SHORT STORM COLLAR**

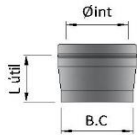
Ønom	130	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750
Øext	256	276	302	326	351	376	426	476	-	-	-	-	-	-	-	-
Øint	131	151	176	201	226	251	301	351	-	-	-	-	-	-	-	-
A	32	32	32	32	32	32	32	32	-	-	-	-	-	-	-	-


**KEAD ADAPTADOR A CALDERA TIPO 1**  
**BOILER ADAPTOR TYPE 1**

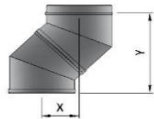
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B.C	80+95	100+115	125+140	150+165	175+190	200+215	250+255	300+315	350+365	400+415	450+465	500+515	550+565	600+615	650+665	700+715
L útil	150	150	150	150	150	150	150	150	170	170	170	170	170	170	170	170


**KEAD ADAPTADOR A CALDERA TIPO 2**  
**BOILER ADAPTOR TYPE 2**

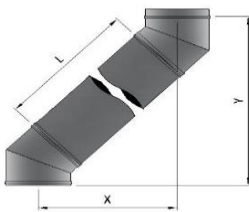
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B.C	-	80+95	80+120	100+145	125+170	150+195	200+245	250+295	300+345	350+395	400+445	450+495	500+545	550+595	600+645	650+695
L útil	-	150	150	150	150	150	150	150	245	245	245	245	245	245	245	245


**KEAD ADAPTADOR A CALDERA TIPO 3**  
**BOILER ADAPTOR TYPE 3**

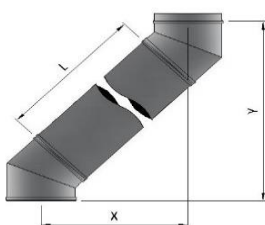
Øint	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700
B.C	100+125	120+145	145+170	170+195	195+220	220+245	270+295	320+345	370+395	420+445	470+495	520+545	570+595	620+645	670+695	720+745
L útil	175	175	175	175	175	175	175	175	220	220	220	220	220	220	220	220

**DESVIACIÓN / DEVIATION**


CODO	L	Ø80/130		Ø100/150		Ø125/175		Ø150/200		Ø175/225		Ø200/250		Ø250/300		Ø300/350	
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
45°	-	103	248,6	109,5	264,4	116,3	280,9	123,9	299,1	131,1	316,6	138,7	334,8	153,4	370,4	167,8	405
	0,25M	244,4	390	250,9	405,8	257,8	422,3	265,3	440,5	272,5	458	280,1	476,2	294,9	511,9	309,2	547
	0,5M	421,2	566,8	427,7	582,6	434,5	599,1	442,1	617,3	449,3	634,8	456,9	653	471,6	688,6	486	723
	1M	774,7	920,4	781,3	936,2	788,1	952,6	795,6	970,8	802,9	1125	810,4	1007	825,2	1042	643,8	###
30°	-	69	256	71	266	75	278	78	291	81	303	85	316	91	339	97	362
	0,25M	168,6	429	171,2	439	174,6	451,5	177,9	464	181,3	476,5	184,6	489	190,8	512,2	197	535
	0,5M	293,6	645,5	296,2	655,5	299,6	668	302,9	680,5	306,3	693	309,6	705,5	315,8	728,7	322	752
	1M	543,6	1079	546,2	1089	549,6	1101	552,9	1114	556,3	1126	559,6	1139	565,8	1162	572	###
15°	-	32	242	33	247	33	254	34	260	35	267	36	273	37	284	39	295
	0,25M	84	435	84	441	85	447	86	454	87	460	88	467	89	478	91	488
	0,5M	148,4	677	149	682,1	149,9	688,6	150,8	695,1	151,6	701,5	152,5	708	153,9	719	155,3	730
	1M	277,8	1160	278,5	1165	279,3	1172	280,2	1178	281	1185	281,9	1191	283,3	1202	284,8	###



CODO	L	Ø350/400		Ø400/450		Ø450/500		Ø500/550		Ø550/600		Ø600/650		Ø650/700		Ø700/750	
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
45°	-	196,4	474,2	217	524	231,4	558,7	246,2	594,3	261	630	275,3	664,7	290,1	700,4	304,9	736
	0,25M	338	616	358	665	373	700	388	736	402	771	417	806	432	842	446	877
	0,5M	515	857	535	842	550	877	564	913	579	948	594	983	608	1019	623	###
	1M	868	1146	889	1196	903	1230	918	1266	933	1302	947	1336	962	1372	977	###
30°	-	113,8	424,7	120,2	448,6	127,2	474,8	133,6	498,7	139	518,9	147,1	548,9	154	574,6	160,4	599
	0,25M	213,8	597,9	220,2	621,8	227,2	648,1	233,6	671,9	239	692,1	247,1	722,1	254	747,9	260,4	772
	0,5M	338,8	814,4	345,2	838,3	352,2	864,6	358,6	888,4	364	908,6	372,1	938,6	379	964,4	385,4	988
	1M	588,8	1247	595,2	1271	602,2	1298	608,6	1321	614	1342	622,1	1372	629	1397	635,4	###
15°	-	45	341	46	353	48	365	50	379	50	383	53	405	55	417	57	431
	0,25M	97	534	98	546	100	558	102	572	102	576	105	598	107	610	108	624
	0,5M	161	775	163	787	164	799	166	813	167	817	170	839	171	851	173	865
	1M	291	1258	292	1270	294	1282	296	1296	296	1300	299	1322	301	1334	303	###



CODO	L	Ø80/130		Ø100/150		Ø125/175		Ø150/200		Ø175/225		Ø200/250		Ø250/300		Ø300/350	
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
45°	X	0,71xL+103	0,71xL+110	0,71xL+116	0,71xL+124	0,71xL+131	0,71xL+139	0,71xL+153	0,71xL+168								
	Y	0,71xL+249	0,71xL+264	0,71xL+281	0,71xL+299	0,71xL+317	0,71xL+335	0,71xL+370	0,71xL+405								
30°	X	0,5xL+64	0,5xL+66	0,5xL+70	0,5xL+73	0,5xL+73	0,5xL+80	0,5xL+84	0,5xL+93								
	Y	0,87xL+237	0,87xL+248	0,87xL+259	0,87xL+272	0,87xL+274	0,87xL+297	0,87xL+312	0,87xL+348								
15°	X	0,25xL+31	0,25xL+32	0,25xL+32	0,25xL+33	0,25xL+34	0,25xL+35	0,25xL+37	0,25xL+38								
	Y	0,97xL+234	0,97xL+240	0,97xL+244	0,97xL+252	0,97xL+258	0,97xL+266	0,97xL+278	0,97xL+290								