LAKES PRECISION INC.

Your Global Source for Wire Processing Perishable Tooling

IDEAL / ARTOS MACHINE SERIES

THIS SECTION CONTAINS BLADES FOR THE FOLLOWING MACHINE SERIES:

- □ *45-048*
- □ *45-064*
- □ *45-065*
- □ *45-700 / 45-705*
- □ *45-725*
- □ *45-774*
- □ *45-940*

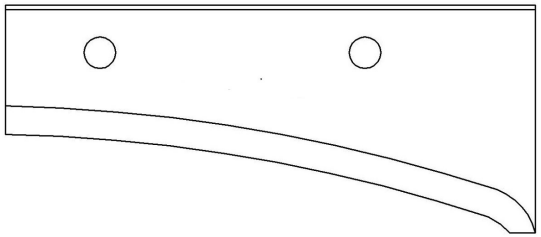
Your Global Source for Wire Processing Perishable Tooling

CUT-OFF BLADES

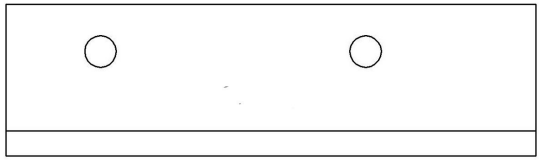
- FOR MORE INFORMATION ON THESE BLADES, PLEASE CONTACT LAKES PRECISION, INC.

LPI096 & LPI097 = BLADE SET (L-6040)

- TC Coating Available -

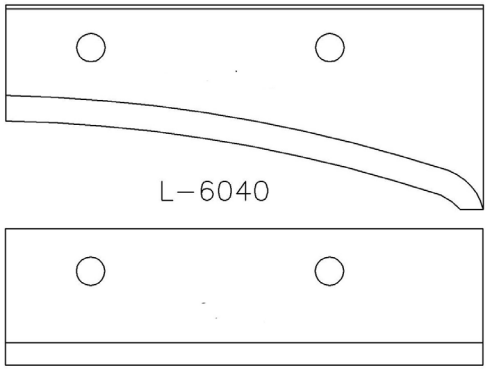


LPI096
UPPER BLADE



LPI097
LOWER BLADE

ITEM NUMBER	DESCRIPTION	OEM #
LPI096	CL-R / UPPER KNIFE	L-6038
LPI097	CL-A / LOWER CUT-OFF	L-6039
L-6040	IDEAL SET 1 PC OF EACH	L-6040

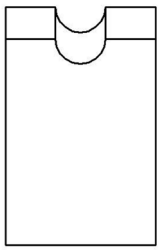


COLLINEAR RADIUS TYPE

The sharp edge is ground to a half circle whose radius approximates awg wire size. Shearing edge is ground to a straight edge. This type of blade, when closed to shut height, forms a perfect circle profile.

Advantages: This type of blade is excellent for precise and clean jacket removal because it exactly matches conductor gauge. Excellent for thin-wall cross-link PVC and most applications where precise jacket removal around the conductor is required, especially with layered coverings such as fiber over plastic, plastic over shields, etc.

Disadvantages: Shut height cannot be modified to process adjacent wire sizes. Off-center wire condition has to be considered when choosing blade size.



122550

DIA SIZE	ITEM NUMBER	OEM #
0.0	122550-1	L-3064
.018	122550-93	------
.024	122550-96	------
.031	122550-94	------
.038	122550-97	------
.039	122550-73	L-3616
.047	122550-95	------
.051	122550-79	------
.053	122550-98	------
.059	122550-74	L-3065
.067	122550-80	------
.071	122550-83	------
.079	122550-75	L-3066
.090	122550-78	------
.099	122550-76	L-3067
.110	122550-82	------
.120	122550-77	L-3068
.125	122550-2	------
.128	122550-3	------
.130	122550-81	------

DIA SIZE	ITEM NUMBER	OEM #
.136	122550-4	------
.140	122550-5	L-3069
.144	122550-6	------
.147	122550-7	------
.149	122550-8	------
.152	122550-9	------
.154	122550-10	------
.156	122550-11	------
.157	122550-12	------
.159	122550-13	------
.161	122550-14	L-3070
.166	122550-15	------
.169	122550-16	------
.172	122550-17	------
.177	122550-18	------
.180	122550-19	------
.182	122550-20	L-3071
.185	122550-21	------
.187	122550-22	------
.189	122550-23	------

DIA SIZE	ITEM NUMBER	OEM #
.191	122550-24	------
.193	122550-25	------
.196	122550-26	------
.199	122550-27	------
.201	122550-28	------
.203	122550-29	------
.204	122550-30	L-3072
.209	122550-31	------
.213	122550-32	-----
.218	122550-33	------
.221	122550-34	------
.228	122550-35	L-3073
.234	122550-36	------
.238	122550-37	------
.240	122550-86	------
.242	122550-38	------
.246	122550-39	------
.250	122550-40	L-3074
.256	122550-92	------
.257	122550-41	------

DIA SIZE	ITEM NUMBER	OEM #
.261	122550-42	------
.265	122550-43	------
.272	122550-44	L-3617
.274	122550-88	------
.277	122550-45	------
.281	122550-46	------
.290	122550-47	L-3075
.292	122550-85	------
.295	122550-48	------
.302	122550-49	------
.312	122550-50	L-3076
.316	122550-51	------
.322	122550-87	------
.323	122550-52	------
.328	122550-53	------
.339	122550-55	------
.344	122550-56	------
.348	122550-57	L-3077
.358	122550-58	------
.364	122550-84	------

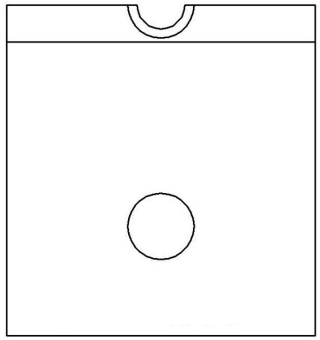
DIA SIZE	ITEM NUMBER	OEM #
.368	122550-59	L-3619
.375	122550-60	------
.377	122550-61	------
.386	122550-62	L-3078
.390	122550-63	------
.397	122550-64	------
.404	122550-65	L-3620
.413	122550-66	------
.423	122550-7	L-3621
.437	122550-68	L-3079
.453	122550-69	L-3622
.468	122550-70	L-3628
.484	122550-71	------
.500	122550-72	------
.510	122550-90	------
.520	122550-91	------
.525	122550-89	------

COLLINEAR RADIUS TYPE

The sharp edge is ground to a half circle whose radius approximates awg wire size. Shearing edge is ground to a straight edge. This type of blade, when closed to shut height, forms a perfect circle profile.

Advantages: This type of blade is excellent for precise and clean jacket removal because it exactly matches conductor gauge. Excellent for thin-wall cross-link PVC and most applications where precise jacket removal around the conductor is required, especially with layered coverings such as fiber over plastic, plastic over shields, etc.

Disadvantages: Shut height cannot be modified to process adjacent wire sizes. Off-center wire condition has to be considered when choosing blade size.



5-122353

ITEM NUMBER	CONDUCTOR	COUNTERBORE
5-122353-1	.182	------
5-122353-2	.228	------
5-122353-3	.205	------
5-122353-4	.250	------
5-122353-5	.254	.316
5-122353-6	.234	.308
5-122353-7	.312	.386
5-122353-8	.242	.322
5-122353-9	.360	------
5-122353-10	.290	-------

ITEM NUMBER	CONDUCTOR	COUNTERBORE
5-122353-11	.238	-------
5-122353-12	.210	-------
5-122353-13	.187	-------
5-122353-14	.159	-------
5-122353-15	.125	-------
5-122353-16	.218	.302
5-122353-17	.238	.397
5-122353-18	.177	.272
5-122353-19	.358	.500
5-122353-20	.234	-------

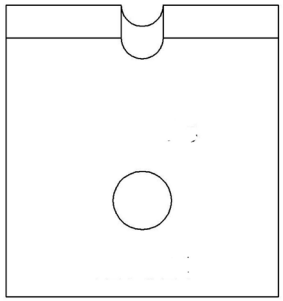
COLLINEAR RADIUS TYPE

The sharp edge is ground to a half circle whose radius approximates awg wire size. Shearing edge is ground to a straight edge. This type of blade, when closed to shut height, forms a perfect circle profile.

Advantages: This type of blade is excellent for precise and clean jacket removal because it exactly matches conductor gauge. Excellent for thin-wall cross-link PVC and most applications where precise jacket removal around the conductor is required, especially with layered coverings such as fiber over plastic, plastic over shields, etc.

Disadvantages: Shut height cannot be modified to process adjacent wire sizes. Off-center wire condition has to be considered when choosing blade size.

- TC Coating Available -



123021

DIA MM SIZE	ITEM NUMBER	OEM #
0.0	123021-1	I-6561
3.25	123021-43	------
4.5	123021-29	------
4.6	123021-30	LB-1775
4.8	123021-47	------
5.2	123021-37	LB-1776
5.5	123021-26	------
6.0	123021-27	------
6.35	123021-35	LB-1778
6.6	123021-36	------
6.9	123021-33	LB-1779
7.3	123021-34	LB-1780
7.6	123021-38	------
7.9	123021-2	I-6559
8.1	123021-39	------

4.1	123021-42	LB-1774
DIA MM SIZE	ITEM NUMBER	OEM #
8.4	123021-32	LB-1781
8.8	123021-3	I-6558
9.1	123021-28	------
9.3	123021-31	LB-1782
9.5	123021-41	------
9.8	123021-4	I-6557
10.2	123021-46	------
10.3	123021-5	------
10.7	123021-6	I-6555
11.0	123021-7	------
11.1	123021-40	I-6537
11.5	123021-25	LB-1783
11.9	123021-8	I-6538
12.7	123021-9	I-6539

12.9	123021-44	------
DIA MM SIZE	ITEM NUMBER	OEM #
13.3	123021-10	I-6540
14.2	123021-11	I-6541
15.0	123021-45	------
15.2	123021-12	I-6542
15.9	123021-13	I-6543
16.5	123021-14	I-6544
17.8	123021-15	I-6545
19.1	123021-16	I-6546
20.3	123021-17	I-6547
21.6	123021-18	I-6548
22.4	123021-19	I-6549
23.5	123021-20	I-6550
24.4	123021-21	I-6551
25.5	123021-22	I-6552
27.2	123021-23	I-6553

COLLINEAR ANGLE CUT-OFF BLADES

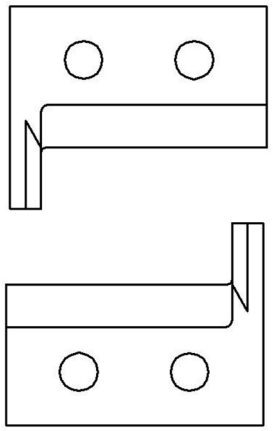
Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

2 PIECES OF 123080-1 = BLADE SET

2 PIECES OF 123080-2 = BLADE SET

- TC Coating Available -



123080-XX

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123080-1	LB-1483	TOOL STEEL	FIXED CL-A CUT-OFF
123080-2	----------	CARBIDE	FIXED CL-A CUT-OFF

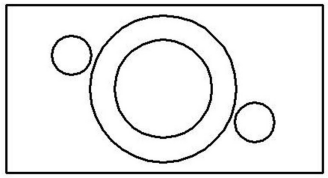
COLLINEAR ANGLE CUT-OFF BLADES

Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- TC Coating Available -

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123078-1	LB-1481	TOOL STEEL	FIXED CL-A CUT-OFF
123078-2	----------	CARBIDE	FIXED CL-A CUT-OFF



123078

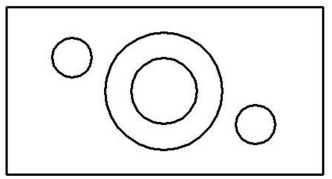
COLLINEAR ANGLE CUT-OFF BLADES

Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- TC Coating Available -

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123081-1	LB-0684	TOOL STEEL	FIXED CL-A CUT-OFF
123081-2	LB-6336	CARBIDE	FIXED CL-A CUT-OFF



123081

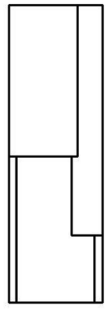
COLLINEAR ANGLE CUT-OFF BLADES

Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- TC Coating Available -

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123079-1	LB-1484	TOOL STEEL	MOVABLE CUT-OFF
123079-2	----------	CARBIDE	MOVABLE CUT-OFF



123079
LONG BLADE

COLLINEAR ANGLE CUT-OFF BLADES

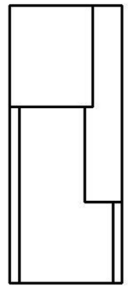
Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- FOR MORE INFORMAITON, CONTACT LAKES PRECISION, INC.

- TC Coating Available -

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123082-1	LB-0683	TOOL STEEL	MOVABLE CUT-OFF
123082-2	LB-0667	CARBIDE	MOVABLE CUT-OFF



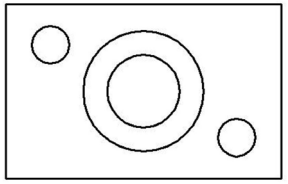
123082
SHORT BLADE

CUT-OFF BLADE SET

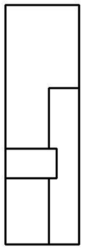
123018 & 123019 = BLADE SET

- FOR MORE INFORMATION ON THESE BLADES, PLEASE CONTACT LAKES PRECISION, INC -

- TC Coating Available -



123019



123018

ITEM NUMBER	OEM #	MATERIAL	DESCRIPTION
123018-1	LB-1609	TOOL STEEL	MOVABLE BLADE
123018-2	------	TUNGSTEN CARBIDE	MOVABLE BLADE
123019-1	K-7265	TOOL STEEL	STATIONARY BLADE
123019-2	------	TUNGSTEN CARBIDE	STATIONARY BLADE

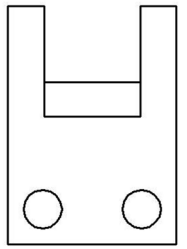
COLLINEAR ANGLE CUT-OFF BLADES

Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- TC Coating Available -

ITEM NUMBER	DESCRIPTION
122462	CL-A CUT-OFF



122462

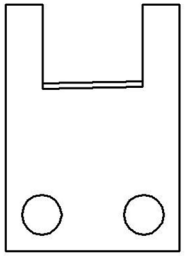
COLLINEAR ANGLE CUT-OFF BLADES

Sharp edge is ground to a flat collinear angle.

Characteristics: Sharp edges cut by shearing action. This class of blade was designed to allow multiple conductor wire to be processed without deforming the wire. The main advantage of this class is the ability to process many different wire gauges with the same blades.

- TC Coating Available -

ITEM NUMBER	DESCRIPTION
123255	CL-A CUT-OFF



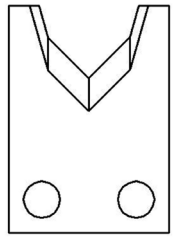
123255

UNIVERSAL STRIP BLADES

The sharp edge is ground at an angle that results in a "V" opening of exactly 90 degrees.

Characteristics: 90 degree angle is widely accepted as the best entry angle to use for processing a wide range of wire sizes using the same blade setup. Most of the time, this class of blade incorporates a sharp edge ground to a very small or non-existing radius. It works sufficiently for most of standard wall insulation but is marginal for thin wall, cross-linked PVC, very rubbery insulations, woven fiber or thin-walled multi-conductors.

ITEM NUMBER	OEM #	DESCRIPTION
122282-1	LB-1253	NON-COATED UN-V
122282-2	LB-1725	TIN COATED UN-V
122282-4	------	CARBIDE
122282-5	------	TITANIUM CARBONITRIDE



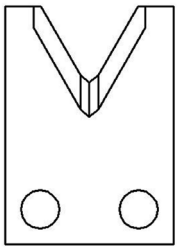
122282

UNI-V UNIVERSAL STRIP BLADE

The sharp edge is ground to an arc that has a small radius.

The entry angle lines meet the arc at a tangent point. Unique to this from is an auxiliary angle that intersects the entry angle. This results in greater insulation penetration and a better strip. This patented blade type allows wire sizes from 26 awg to 10 awg to be processed using a single set of blades.

ITEM NUMBER	DESCRIPTION
122283-1	NON-COATED UNI-V 30 DEGREE
122283-2	TIN COATED UNI-V 30 DEGREE
122283-3	NON-COATED UNI-V 20 DEGREE
122283-4	TIN COATIN UNI-V 20 DEGREE



122283

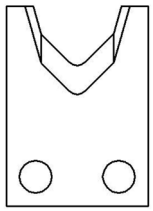
TANGENT RADIUS "V" STRIP BLADES

The sharp edge is ground to an arc whose radius approximates awg wire size. The entry angle lines meet the arc at a tangent point. This type of blade, when closed, presents a diamond shaped edge profile.

Advantages: By adjusting cutter head shut height, (if insulation material and wall thickness allow), you can process adjacent wire extrusions.

Disadvantages: Inadequate for processing thin wall and/or hard insulations such as cross-link or fiberglass jackets.

- TC Coating Available -



123022-XX

AWG SIZE	ITEM NUMBER	DESCRIPTION
8	123022-1	IDEAL / ARTOS TA-V
10	123022-2	IDEAL / ARTOS TA-V
12	123022-3	IDEAL / ARTOS TA-V
14	123022-4	IDEAL / ARTOS TA-V
16	123022-5	IDEAL / ARTOS TA-V
18	123022-6	IDEAL / ARTOS TA-V
20	123022-7	IDEAL / ARTOS TA-V
22	123022-8	IDEAL / ARTOS TA-V
24 / 26 / 28	123022-9	IDEAL / ARTOS TA-V

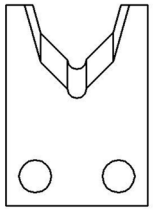
TRU-RADIUS STRIP BLADE

The sharp edge is ground to a half circle whose radius approximates awg wire size. The entry angle lines intersect the half circle at the quadrant points. This type of blade, when closed, presents a true circle profile.

Advantages: This type of blade is excellent for precise and clean jacket removal because it combines the scissor-like shearing action of the by-pass blade with the exact hole profile matching a conductor gauge. Excellent for thin wall cross-link PVC and most rubbery or elastic insulations (thin or thick wall).

Disadvantages: Shut height cannot be modified to process adjacent wire sizes. Off center wire condition has to be considered when choosing blade size.

- TC Coating Available -



122324

DIA SIZE	ITEM NUMBER	DESCRIPTION
0.4	122324-26	IDEAL / ARTOS TR-V
0.5	122324-7	IDEAL / ARTOS TR-V
0.6	122324-3	IDEAL / ARTOS TR-V
0.7	122324-25	IDEAL / ARTOS TR-V
0.9	122324-12	IDEAL / ARTOS TR-V
1.0	122324-9	IDEAL / ARTOS TR-V
1.1	122324-21	IDEAL / ARTOS TR-V
1.2	122324-8	IDEAL / ARTOS TR-V
1.3	122324-11	IDEAL / ARTOS TR-V
1.4	122324-22	IDEAL / ARTOS TR-V
1.5	122324-14	IDEAL / ARTOS TR-V
1.6	122324-1	IDEAL / ARTOS TR-V
1.7	122324-5	IDEAL / ARTOS TR-V
1.8	122324-29	IDEAL / ARTOS TR-V
1.9	122324-2	IDEAL / ARTOS TR-V
2.0	122324-15	IDEAL / ARTOS TR-V
2.2	122324-23	IDEAL / ARTOS TR-V
2.3	122324-32	IDEAL / ARTOS TR-V

DIA SIZE	ITEM NUMBER	DESCRIPTION
2.4	122324-6	IDEAL / ARTOS TR-V
2.5	122324-16	IDEAL / ARTOS TR-V
2.6	122324-4	IDEAL / ARTOS TR-V
2.8	122324-27	IDEAL / ARTOS TR-V
3.0	122324-17	IDEAL / ARTOS TR-V
3.1	122324-28	IDEAL / ARTOS TR-V
3.2	122324-13	IDEAL / ARTOS TR-V
3.3	122324-30	IDEAL / ARTOS TR-V
3.5	122324-18	IDEAL / ARTOS TR-V
3.7	122324-34	IDEAL / ARTOS TR-V
4.0	122324-19	IDEAL / ARTOS TR-V
4.4	122324-10	IDEAL / ARTOS TR-V
4.6	122324-33	IDEAL / ARTOS TR-V
4.5	122324-20	IDEAL / ARTOS TR-V
5.0	122324-24	IDEAL / ARTOS TR-V
5.2	122324-31	IDEAL / ARTOS TR-V
5.5	122324-35	IDEAL / ARTOS TR-V

TANGENT ANGLE "V" STRIP BLADES

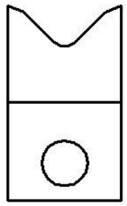
The sharp edge is ground to an arc whose radius approximates awg wire size. The entry angle lines meet the arc at a tangent point. This type of blade, when closed, presents a diamond shaped edge profile.

Advantages: By adjusting cutter head shut height, (if insulation material and wall thickness allow), you can process adjacent wire extrusions.

Disadvantages: Inadequate for processing thin wall and/or hard insulations such as cross-link or fiberglass jackets.

- FOR MORE INFORMATION ABOUT THESE BLADES, CONTACT LAKES PRECISION, INC.

- TC Coating Available -



LA-XXXX

ITEM NUMBER	DIA INCH SIZE	OEM #	DESCRIPTION
LA-3838	.012	LA-3846	TA-V STRIP
LA-3839	.075	LA-3847	TA-V STRIP
LA-3840	.095	LA-3848	TA-V STRIP
LA-3841	.115	LA-3849	TA-V STRIP
LA-3842	.135	LA-3850	TA-V STRIP

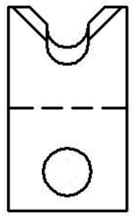
TRU-RADIUS "V" STRIP BLADE

The sharp edge is ground to a half circle whose radius approximates awg wire size. The entry angle lines intersect the half circle at the quadrant points. This type of blade, when closed, presents a true circle profile.

Advantages: This type of blade is excellent for precise and clean jacket removal because it combines the scissor-like shearing action of the by-pass blade with the exact hole profile matching a conductor gauge. Excellent for thin wall cross-link PVC and most rubbery or elastic insulations (thin or thick wall).

Disadvantages: Shut height cannot be modified to process adjacent wire sizes. Off center wire condition has to be considered when choosing blade size.

- TC Coating Available -



123411-XX

ITEM NUMBER	DIA INCH SIZE	DESCRIPTION
123411-016	.016	TR-V STRIP
123411-020	.020	TR-V STRIP
123411-024	.024	TR-V STRIP
123411-028	.028	TR-V STRIP
123411-035	.035	TR-V STRIP
123411-039	.039	TR-V STRIP
123411-043	.043	TR-V STRIP
123411-052	.052	TR-V STRIP
123411-060	.060	TR-V STRIP
123411-072	.072	TR-V STRIP
123411-079	.079	TR-V STRIP
123411-090	.090	TR-V STRIP
123411-116	.116	TR-V STRIP
123411-130	.130	TR-V STRIP