

**NATIONAL
BOLTMAKER**

When quoting or placing an order, specify the following:

- Catalog & Page Number
- Serial Number
- Key Number
- Quantity
- Part Number (if available)

Please provide sample parts or prints for items not found in this catalog.

We at Star Metal Products look forward to serving you, and encourage you to review the following terms and conditions to ensure a mutually successful business transaction.

- Terms are net 30 days from shipment, F.O.B. Ourdock, Westlake, Ohio Freight Collect. All prices subject to change without notice.
- Our minimum billing is \$50.00
- Quotations are valid for 90 days unless otherwise specified.
- Star Metal Products Blanket Order Policy

Duration :

Blanket Orders will be held for a maximum time period of six months. Any line item open six months from the date of receipt of customer order will ship automatically. Duration of blanket order may extend up to one year, only if specific release quantities and release dates are supplied with customer order.

Releases :

Upon completion of job order, 25% of each line item (with a minimum of 1 piece) will be shipped to customer. The balance of each line item will be held for release by customer within the six month time frame.

- Cancellation will be subject to a charge for any applicable material used and labor employed for work in progress.

Returns :

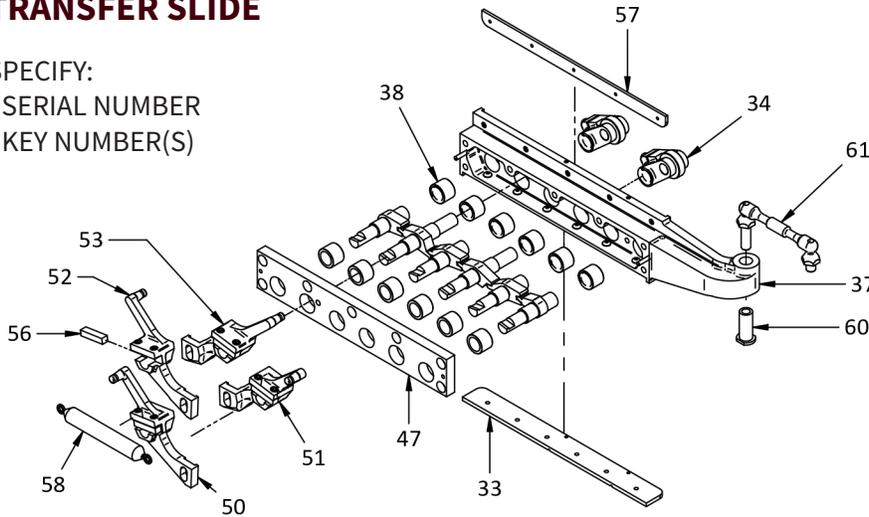
We regret that positively no tooling may be returned without factory authorization. Returns must be made within 60 days of receiving merchandise. We will not be responsible for shipping charges incurred by customers that deviate from this policy. We reserve the right to only repair tooling accepted under these conditions.

BOLTMAKERS

3/16	Pg 3
1/4	Pg 4
5/16	Pg 5
3/8	Pg 6
1/2 3D	Pg 7
1/2 4D	Pg 8
5/8	Pg 9 - 10
3/4	Pg 11 - 12
1000	Pg 12
M24	Pg 13
1" 3D	Pg 14
1" 4D & 5D	Pg 15
1012 & M20	Pg 16

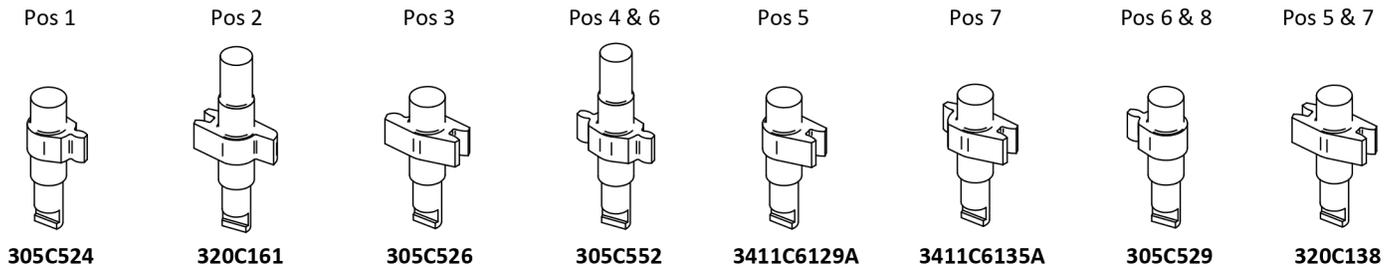
TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)

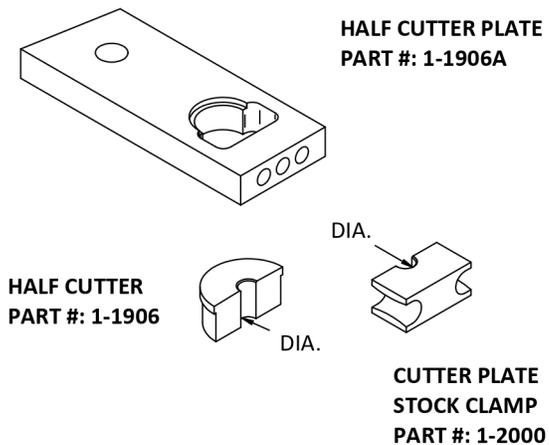


Key #	Description
33	BOTTOM WEAR PLATE
34	LEVER
37	SLIDE
38	BUSHING
47	PLATE
50	TRANSFER ARM #3 & 6
51	TRANSFER ARM #4 & 8
52	TRANSFER ARM #1 & 5
53	TRANSFER ARM #2 & 4
56	KEY
57	TOP WEAR PLATE
58	SPRING
60	BUSHING
61	LINK

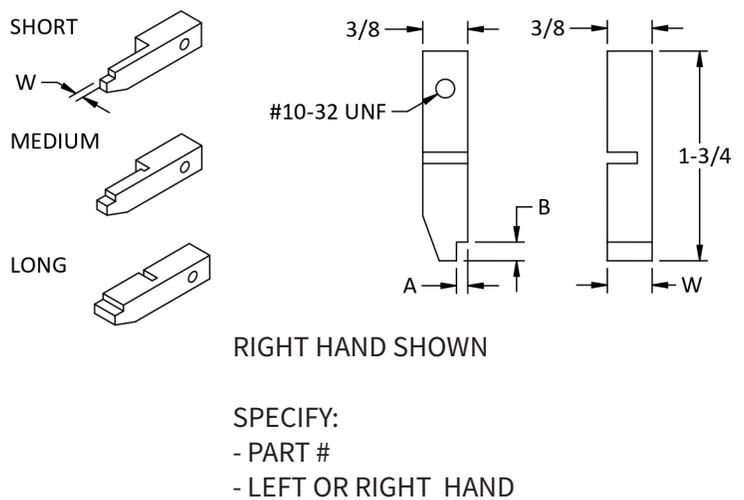
GEARS



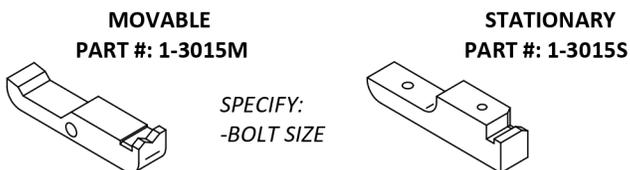
CUTTER STATION



FINGERS



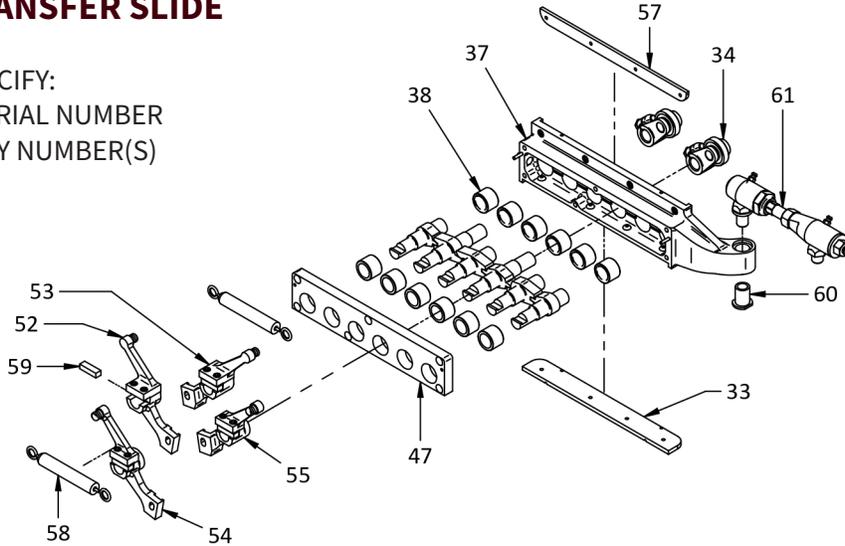
POINTER CHUCK JAWS



Bolt Length	A	B	W	Part #
SHORT	3/16	5/32	1/8	1-997
MEDIUM	3/16	5/32	5/16	1-998
LONG	3/16	5/32	3/8	1-999

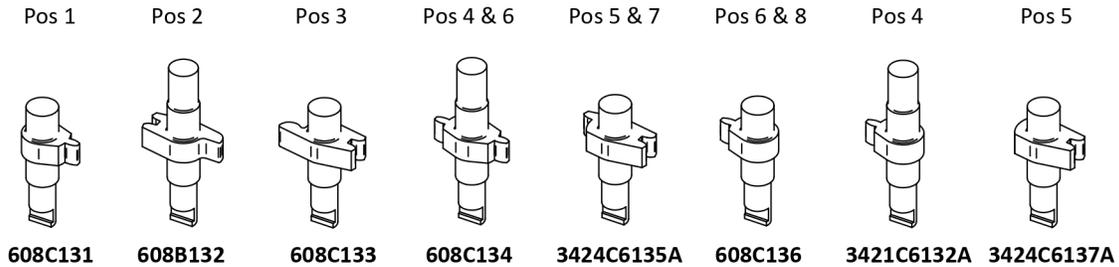
TRANSFER SLIDE

SPECIFY:
- SERIAL NUMBER
- KEY NUMBER(S)



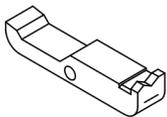
Key #	Description
33	BOTTOM WEAR PLATE
34	LEVER
37	SLIDE
38	BUSHING
47	PLATE
52	TRANSFER ARM #1 & 5
53	TRANSFER ARM #2 & 6
54	TRANSFER ARM #3 & 7
55	TRANSFER ARM #4 & 8
57	TOP WEAR PLATE
58	SPRING
59	KEY
60	BUSHING
61	LINK

GEARS

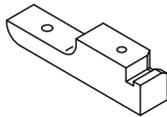


POINTER CHUCK JAWS

MOVABLE
PART #: 1-3016M

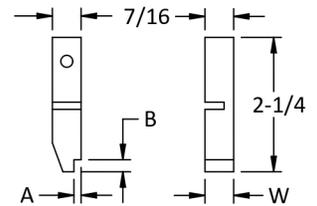
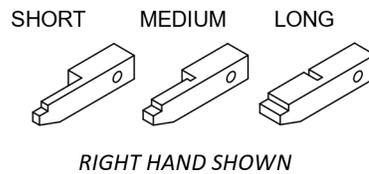


STATIONARY
PART #: 1-3016S



SPECIFY:
- BOLT SIZE

FINGERS

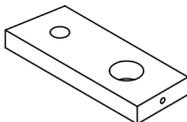


Bolt Size	A	B	W	Part #
3/16S	3/16	5/32	1/8	1-997
3/16M	3/16	5/32	5/16	1-998
3/16L	3/16	5/32	3/8	1-999
1/4S	5/32	3/16	1/8	1-1000
1/4M	5/32	3/16	1/4	1-1001
1/4L	5/32	3/16	7/16	1-1002

SPECIFY:
- PART #
- LEFT OR
RIGHT HAND

CUTTER STATION -SPECIFY DIA

CUTTER PLATE
PART #: 1-1901A



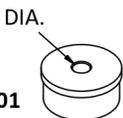
HALF CUTTER PLATE
PART #: 1-1907A



CUTTER PLATE
STOCK CLAMP
PART #: 1-2001



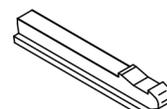
CUTTER
PART #: 1-1901



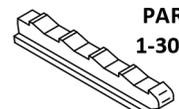
HALF CUTTER
PART #: 1-1907



BOLT STOP IN TRIM TOOL



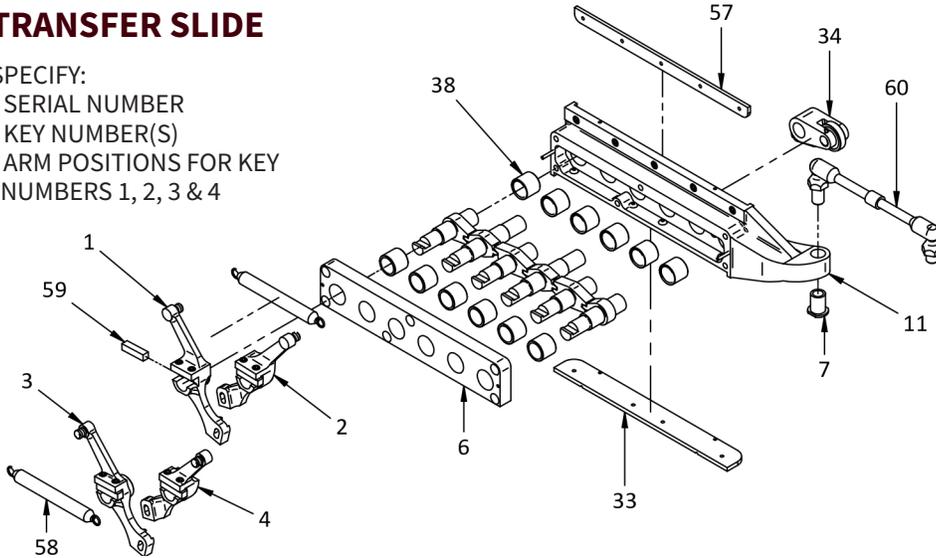
PART #:
1-3000



PART #:
1-3006

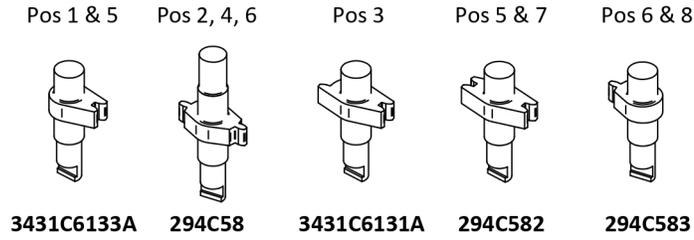
TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)
 - ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4



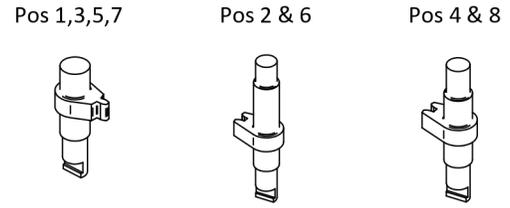
Key #	Description
1	TRANSFER ARM
2	TRANSFER ARM
3	TRANSFER ARM
4	TRANSFER ARM
6	PLATE
7	BUSHING
11	SLIDE
33	BOTTOM WEAR PLATE
34	LEVER
38	BUSHING
57	TOP WEAR PLATE
58	SPRING
59	KEY
60	CONNECTION

GEARS



3431C6133A 294C58 3431C6131A 294C582 294C583

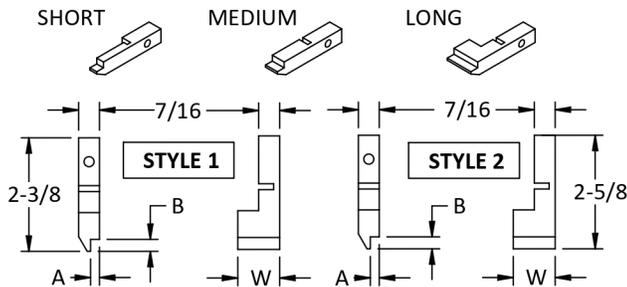
S2 & S3 ONLY



3431B6207A 3431B6208A 3431B6209A

FINGERS

RIGHT HAND SHOWN



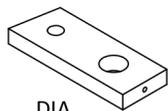
STYLE 1				
BOLT SIZE	A	B	W	PART #
3/16S	3/32	5/32	1/4	1-704
3/16M	3/32	5/32	7/16	1-705
3/16L	3/32	5/32	7/8	1-706
1/4S	5/32	3/16	1/4	1-804
1/4M	5/32	3/16	7/16	1-805
1/4L	5/32	3/16	7/8	1-806
5/16S	3/16	1/4	1/4	1-1004
5/16M	3/16	1/4	7/16	1-1005
5/16L	3/16	1/4	7/8	1-1006

SPECIFY:
 - PART #
 - LEFT OR RIGHT HAND

STYLE 2	
W	PART #
1/4	1-5-1004
7/16	1-5-1005
7/8	1-5-1006

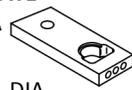
CUTTER STATION -SPECIFY DIA

CUTTER PLATE
PART #: 1-1902A



CUTTER
PART #: 1-1902

HALF CUTTER PLATE
PART #: 1-1908A



CUTTER PLATE STOCK CLAMP
PART #: 1-2002



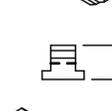
HALF CUTTER
PART #: 1-1908



BOLT STOP IN TRIM TOOL



LONG BOLTS
PART #: 1-3007



SHORT BOLTS	
PART #	W
1-3001	15/32
1-3002	17/32
1-3003	9/16

POINTER CHUCK JAWS

BRACKET



PART #: 1-4017B



PART #: 1-3017M

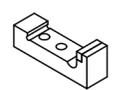
MOVABLE



PART #: 1-4017M

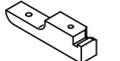
SPECIFY:
-BOLT SIZE

STATIONARY



PART #: 1-4017S

STATIONARY

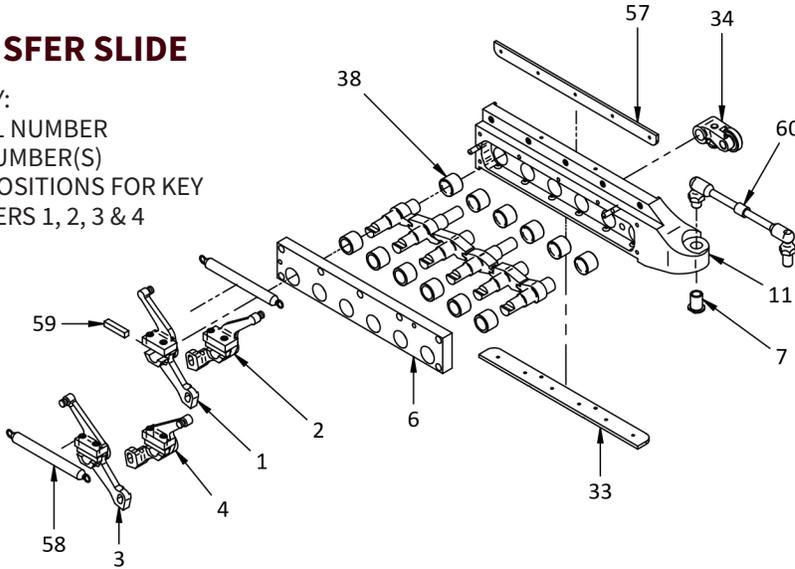


PART #: 1-3017S

NATIONAL 3/8 BOLTMAKER

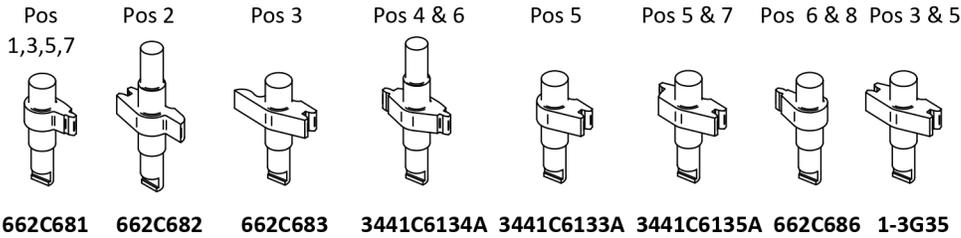
TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)
 - ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4

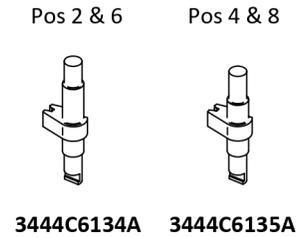


Key #	Description
1	TRANSFER ARM
2	TRANSFER ARM
3	TRANSFER ARM
4	TRANSFER ARM
6	PLATE
7	BUSHING
11	SLIDE
33	BOTTOM WEAR PLATE
34	LEVER
38	BUSHING
57	TOP WEAR PLATE
58	SPRING
59	KEY
60	LINK

GEARS



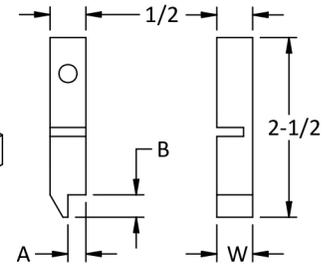
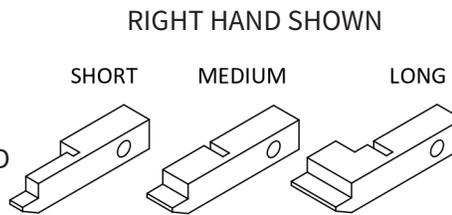
S2 & S3 ONLY



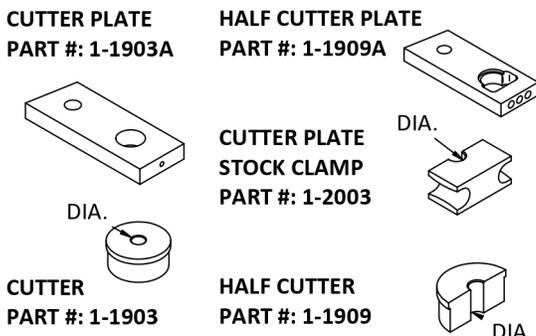
FINGERS

BOLT SIZE	A	B	W	PART #
1/4 S	5/32	3/16	1/4	1-807
1/4 M	5/32	3/16	1/2	1-808
1/4 L	5/32	3/16	7/8	1-809
5/16 S	3/16	1/4	1/4	1-907
5/16 M	3/16	1/4	1/2	1-908
5/16 L	3/16	1/4	7/8	1-909
3/8 S	1/4	5/16	1/4	1-1007
3/8 M	1/4	5/16	1/2	1-1008
3/8 L	1/4	5/16	7/8	1-1009

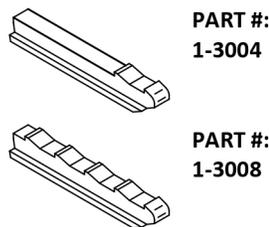
SPECIFY:
 - PART #
 - LEFT OR RIGHT HAND



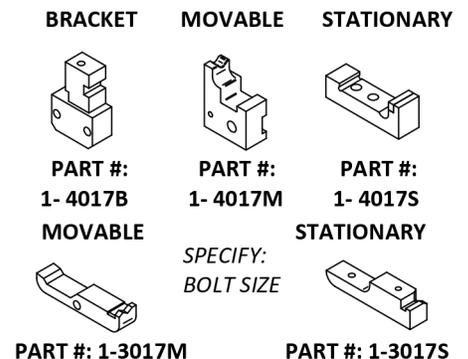
CUTTER STATION -SPECIFY DIA



BOLT STOP IN TRIM TOOL



POINTER CHUCK JAWS

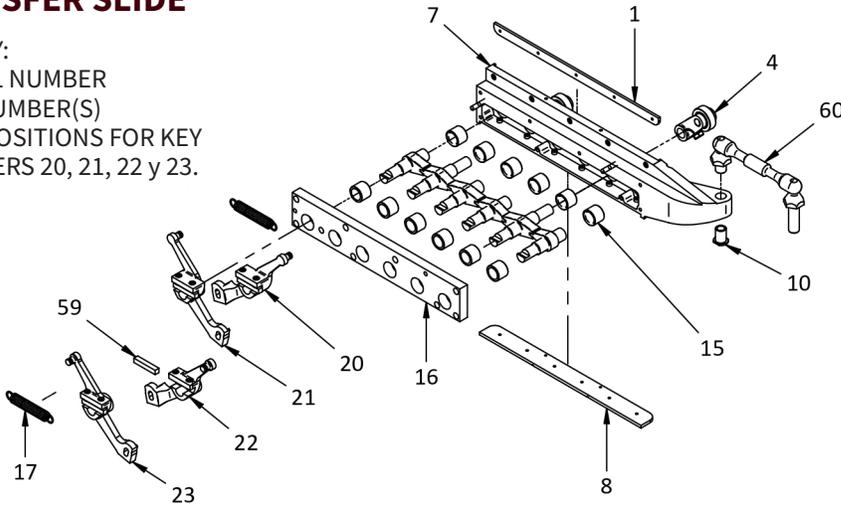


NATIONAL 1/2 BOLTMAKER - 3 DIE

TRANSFER SLIDE

SPECIFY:

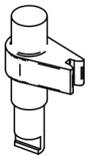
- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 20, 21, 22 y 23.



Key #	Description
1	TOP WEAR PLATE
4	LEVER
7	SLIDE
8	BOTTOM WEAR PLATE
10	BUSHING
15	BUSHING
16	PLATE
17	SPRING
20	TRANSFER ARM
21	TRANSFER ARM
22	TRANSFER ARM
23	TRANSFER ARM
59	KEY
60	LINK

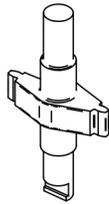
GEARS

Pos 1



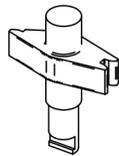
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Pos 2



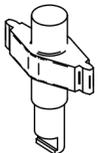
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Pos 3



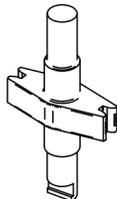
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Pos 4



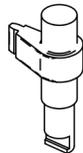
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Pos 5



3451C6135A

Pos 6



3451C6136A

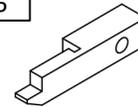
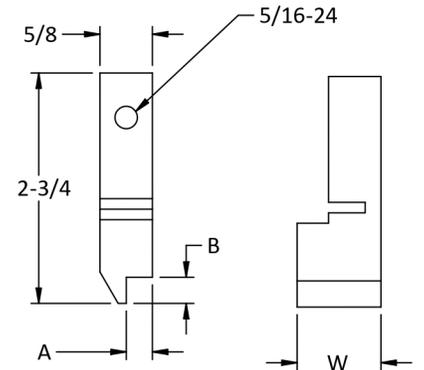
RIGHT HAND SHOWN

SPECIFY:

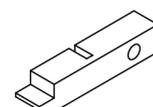
- BOLT SIZE
- "W" (WIDTH)
- LEFT OR RIGHT HAND

Bolt Size	A	B
3/16	3/32	3/32
1/4	1/8	3/16
5/16	3/16	1/4
3/8	1/4	5/16
7/16	5/16	5/16
1/2	3/8	3/8
5/8	7/16	7/16

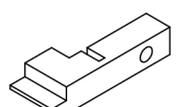
FINGERS



SHORT



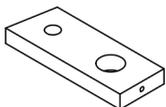
MEDIUM



LONG

CUTTER STATION -SPECIFY DIA

CUTTER PLATE
PART #: 1-1904A



DIA.

CUTTER
PART #: 1-1904



HALF CUTTER PLATE
PART #: 1-1910A



DIA.

CUTTER PLATE
STOCK CLAMP
PART #: 1-2004



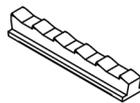
HALF CUTTER
PART #: 1-1910



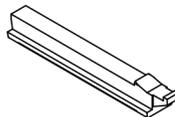
DIA.

BOLT STOP IN TRIM TOOL

LONG BOLTS
PART #: 1-3009



SHORT BOLTS
PART #: 1-3005



POINTER CHUCK JAWS

BRACKET



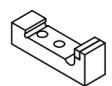
PART #:
1-4017B

MOVABLE



PART #:
1-4017M

STATIONARY



PART #:
1-4017S

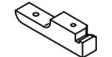
MOVABLE



PART #: 1-3017M

SPECIFY:
BOLT SIZE

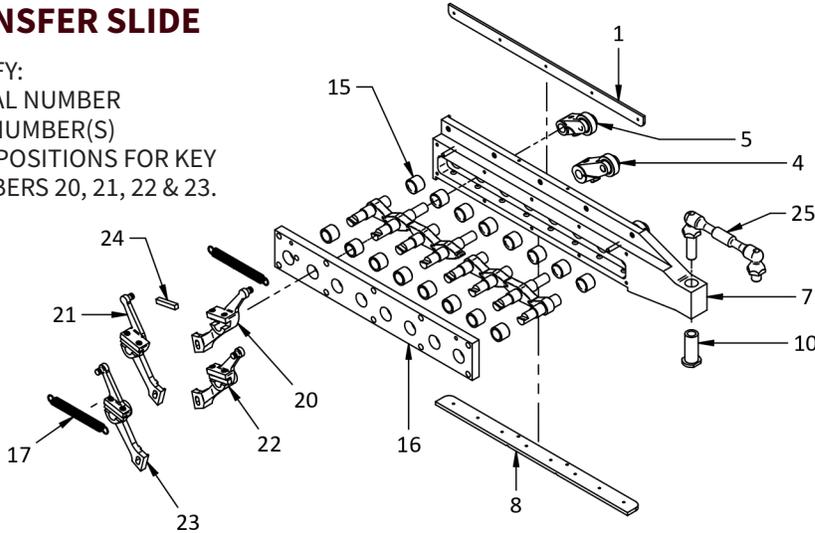
STATIONARY



PART #: 1-3017S

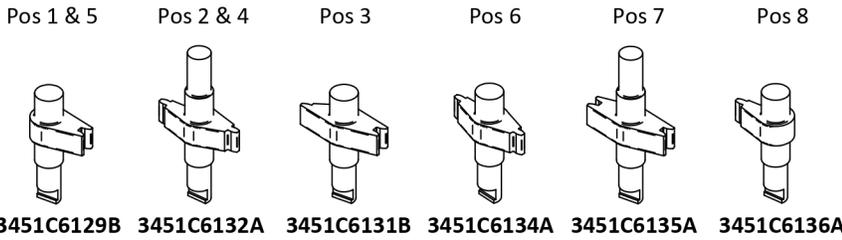
TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)
 - ARM POSITIONS FOR KEY NUMBERS 20, 21, 22 & 23.

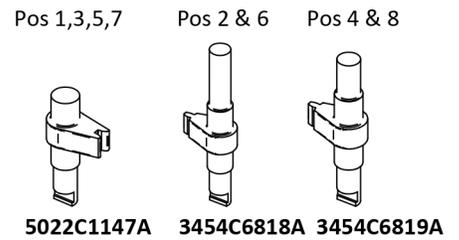


Key #	Description
1	TOP WEAR PLATE
4	LEVER
5	LEVER
7	SLIDE
8	BOTTOM WEAR PLATE
10	BUSHING
15	BUSHING
16	COVER PLATE
17	SPRING
20	TRANSFER ARM
21	TRANSFER ARM
22	TRANSFER ARM
23	TRANSFER ARM
24	KEY
25	LINK

GEARS

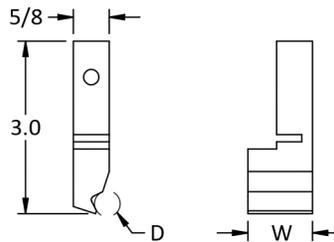


S2 & S3 ONLY



FINGERS

W	Part #
5/8	1-1801
1	1-1802
1-1/8	1-1803
1-1/4	1-1804
1-3/8	1-1805
1-1/2	1-1806
1-3/4	1-1807

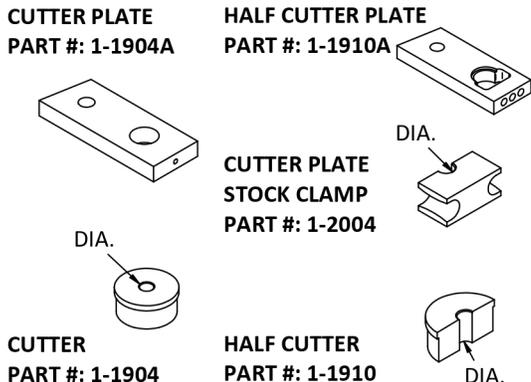


RIGHT HAND SHOWN

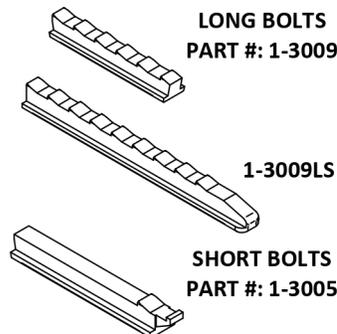
SPECIFY:
 - PART NUMBER
 - D
 - LEFT OR RIGHT HAND

(FOR STANDARD FINGERS REFER TO PAGE 7)

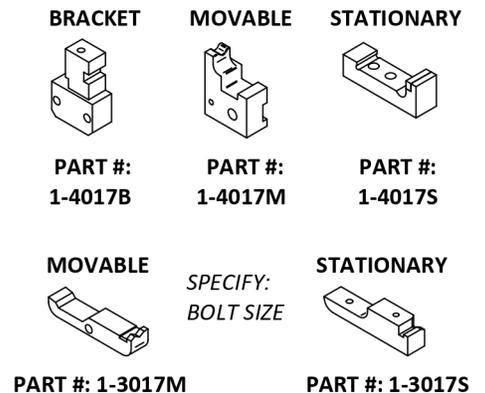
CUTTER STATION -SPECIFY DIA



BOLT STOP IN TRIM TOOL



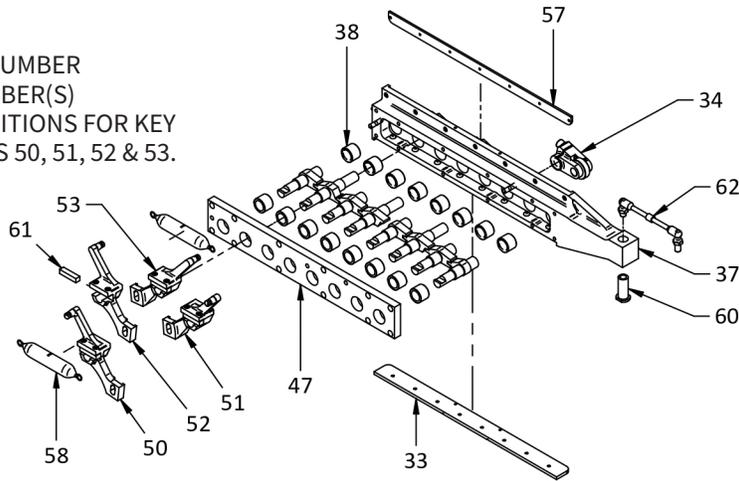
POINTER CHUCK JAWS



TRANSFER SLIDE

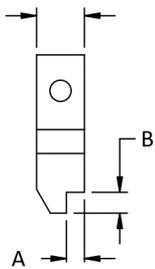
SPECIFY:

- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 50, 51, 52 & 53.

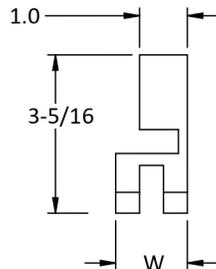


Key #	Description
33	BOTTOM WEAR PLATE
34	LEVER
37	SLIDE
38	BUSHING
47	PLATE
50	TRANSFER ARM
51	TRANSFER ARM
52	TRANSFER ARM
53	TRANSFER ARM
57	TOP WEAR PLATE
58	SPRING
60	BUSHING
61	KEY
62	LINK

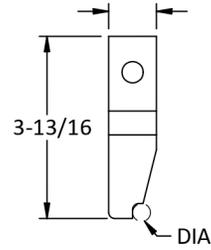
FINGERS



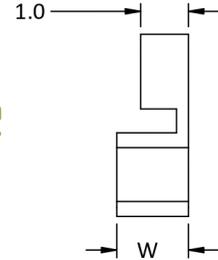
STYLE 1



SPECIFY:
- PART #
- LEFT OR RIGHT HAND

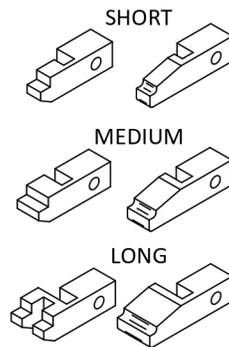


STYLE 2



STYLE 1				
DIA.	A	B	W	Part #
3/8S	1/4	5/16	5/8	1-816
3/8M	1/4	5/16	1	1-817
3/8L	1/4	5/16	1-1/2	1-818
1/2S	3/8	3/8	5/8	1-916
1/2M	3/8	3/8	1	1-917
1/2L	3/8	3/8	1-1/2	1-918
9/16S	3/8	7/16	5/8	1-1016
9/16M	3/8	7/16	1	1-1017
9/16L	3/8	7/16	1-1/2	1-1018
5/8S	7/16	7/16	5/8	1-1019
5/8M	7/16	7/16	1	1-1020
5/8L	7/16	7/16	1-1/2	1-1021
3/4S	11/16	9/16	5/8	1-1500
3/4M	11/16	9/16	1	1-1501
3/4L	11/16	9/16	1-1/2	1-1502

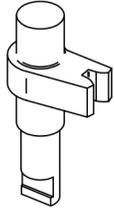
RIGHT HAND SHOWN



STYLE 2		
DIA.	W	Part #
3/8	5/8	1-5-1016-1
1/2	5/8	1-5-1016-2
9/16	5/8	1-5-1016-3
5/8	5/8	1-5-1016-4
3/4	5/8	1-5-1016-5
3/8	1	1-5-1017-1
1/2	1	1-5-1017-2
9/16	1	1-5-1017-3
5/8	1	1-5-1017-4
3/4	1	1-5-1017-5
3/8	1-1/2	1-5-1018-1
1/2	1-1/2	1-5-1018-2
9/16	1-1/2	1-5-1018-3
5/8	1-1/2	1-5-1018-4
3/4	1-1/2	1-5-1018-5
3/8	OVER 1-1/2	1-5-1019-1
1/2	OVER 1-1/2	1-5-1019-2
9/16	OVER 1-1/2	1-5-1019-3
5/8	OVER 1-1/2	1-5-1019-4
3/4	OVER 1-1/2	1-5-1019-5

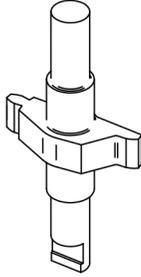
GEARS

Pos 1 & 5



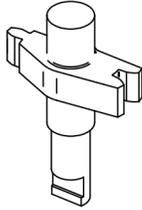
3461C6133A

Pos 2



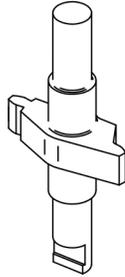
3461C6130A

Pos 3,5,7



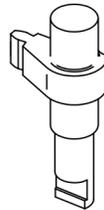
352C220

Pos 4 & 6



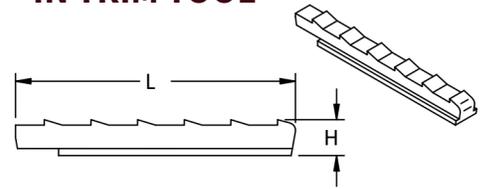
3461C6131A

Pos 6 & 8



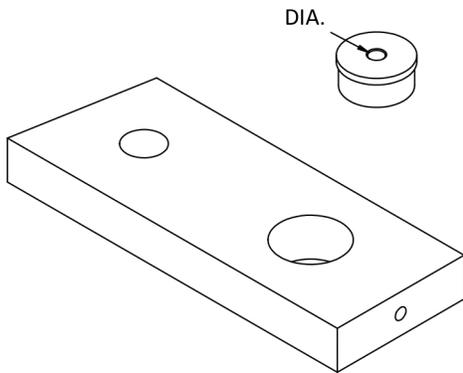
352C221

BOLT STOP IN TRIM TOOL



SPECIFY PART #		
Part #	H	L
1-3010	1/2	4-7/8
1-3010LS	5/8	8
1-3011	5/8	4-7/8
1-3012	3/4	4-7/8

CUTTER STATION -SPECIFY DIA



DIA.

CUTTER
PART #: 1-1905

CUTTER PLATE
PART #: 1-1905A



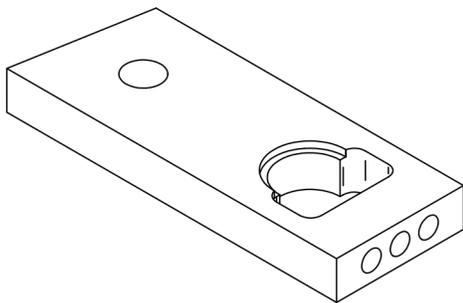
HALF CUTTER
PART #: 1-1911

DIA.

DIA.



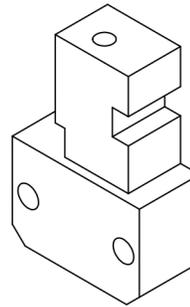
CUTTER PLATE
STOCK CLAMP
PART #: 1-2005



HALF CUTTER PLATE
PART #: 1-1911A

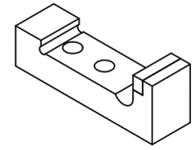
POINTER CHUCK JAWS

BRACKET



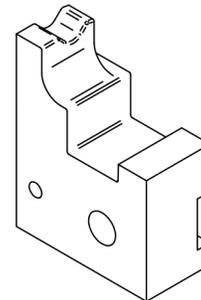
PART #: 1- 4018B

STATIONARY



PART #: 1- 4018S

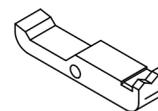
MOVABLE



PART #: 1- 4018M

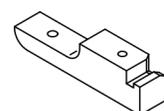
SPECIFY:
BOLT SIZE

MOVABLE



PART #: 1-3018M

STATIONARY

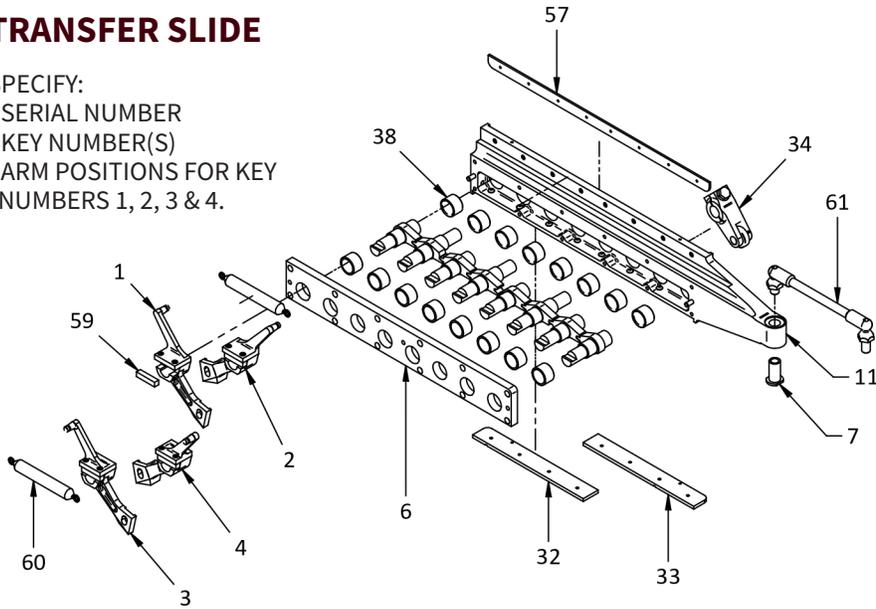


PART #: 1-3018S

TRANSFER SLIDE

SPECIFY:

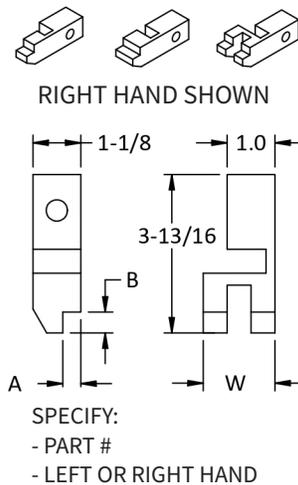
- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



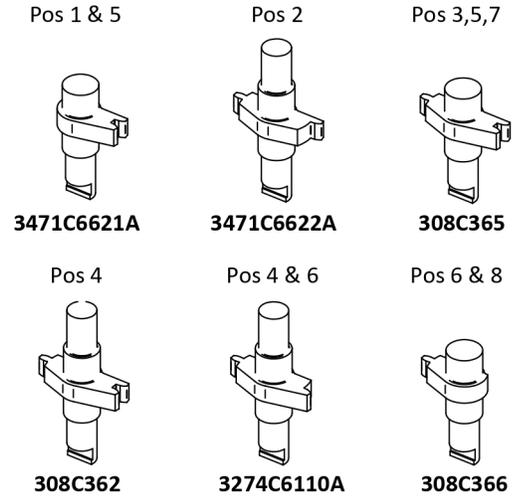
Key #	Description
1	TRANSFER ARM
2	TRANSFER ARM
3	TRANSFER ARM
4	TRANSFER ARM
6	PLATE
7	BUSHING
11	SLIDE
32	BOTTOM WEAR PLATE - LH
33	BOTTOM WEAR PLATE - RH
34	LEVER
38	BUSHING
57	TOP WEAR PLATE
59	KEY
60	SPRING
61	LINK

FINGERS

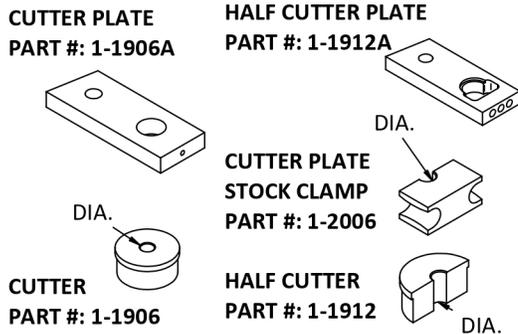
Bolt Size	A	B	W	Part #
5/8S	7/16	7/16	5/8	1-922
5/8M	7/16	7/16	1.0	1-923
5/8L	7/16	7/16	1-1/2	1-924
3/4S	11/16	9/16	5/8	1-1022
3/4M	11/16	9/16	1.0	1-1023
3/4L	11/16	9/16	1-1/2	1-1024
7/8S	3/4	5/8	5/8	1-1122
7/8M	3/4	5/8	1.0	1-1123
7/8L	3/4	5/8	1-1/2	1-1124
1S	13/16	21/32	5/8	1-1222
1M	13/16	21/32	1.0	1-1223
1L	13/16	21/32	1-1/2	1-1224



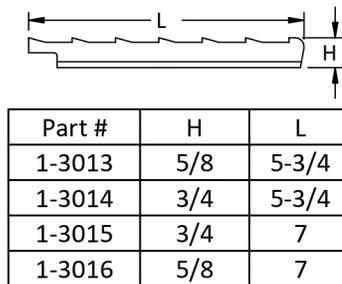
GEARS



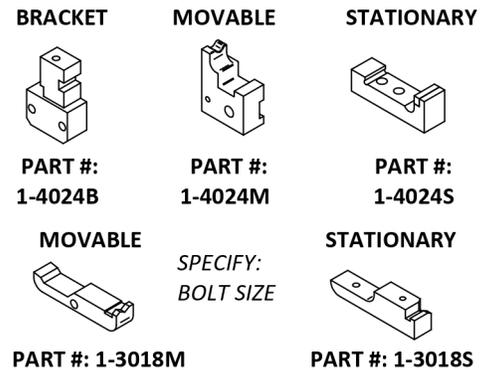
CUTTER STATION -SPECIFY DIA



BOLT STOP IN TRIM TOOL

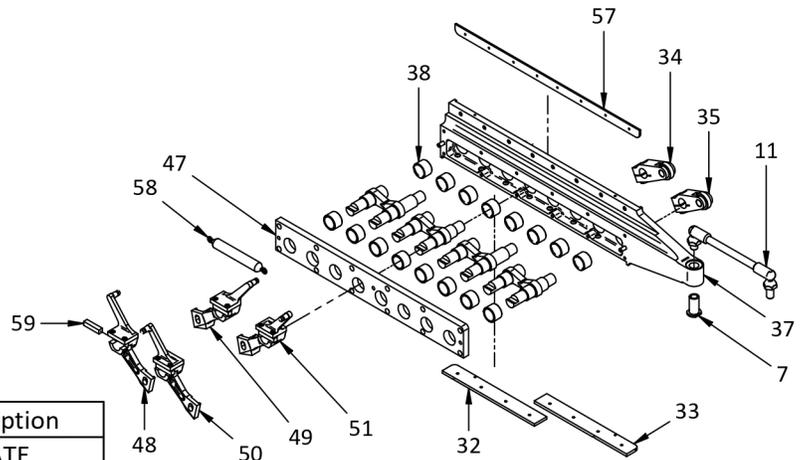


POINTER CHUCK JAWS



TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)
 - ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



Key #	Description	Key #	Description
7	BUSHING	47	PLATE
11	LINK	48	TRANSFER ARM
32	BOTTOM WEAR PLATE - LH	49	TRANSFER ARM
		50	TRANSFER ARM
33	BOTTOM WEAR PLATE - RH	51	TRANSFER ARM
		57	TOP WEAR PLATE
34	LEVER	58	SPRING
35	LEVER	59	KEY
37	SLIDE		
38	BUSHING		

GEARS

Pos 1,3,5,7,9



3471C6621A

Pos 2,6,10



3474C1100A

Pos 4 & 8



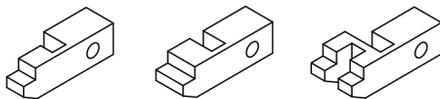
3474C1101A

FINGERS

SHORT

MEDIUM

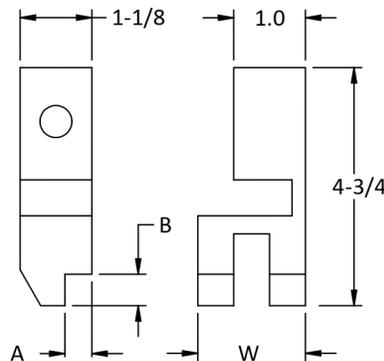
LONG



RIGHT HAND SHOWN

SPECIFY:

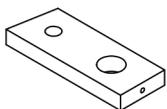
- PART #
 - LEFT OR RIGHT HAND



Bolt Size	A	B	W	Part #
5/8S	7/16	7/16	5/8	1-5-922
5/8M	7/16	7/16	1.0	1-5-923
5/8L	7/16	7/16	1-1/2	1-5-924
3/4S	11/16	9/16	5/8	1-5-1022
3/4M	11/16	9/16	1.0	1-5-1023
3/4L	11/16	9/16	1-1/2	1-5-1124
7/8S	3/4	5/8	5/8	1-5-1122
7/8M	3/4	5/8	1.0	1-5-1123
7/8L	3/4	5/8	1-1/2	1-5-1124
1S	13/16	21/32	5/8	1-5-1222
1M	13/16	21/32	1.0	1-5-1223
1L	13/16	21/32	1-1/2	1-5-1224

CUTTER STATION -SPECIFY DIA

CUTTER PLATE
PART #: 1-1906A



HALF CUTTER PLATE
PART #: 1-1912A



CUTTER PLATE STOCK CLAMP
PART #: 1-2006



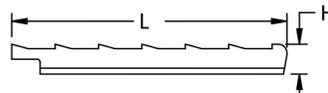
CUTTER
PART #: 1-1906



HALF CUTTER
PART #: 1-1912



BOLT STOP IN TRIM TOOL



Part #	H	L
1-3013	5/8	5-3/4
1-3014	3/4	5-3/4
1-3015	3/4	7
1-3016	5/8	7

POINTER CHUCK JAWS

BRACKET



PART #:
1-4010B

MOVABLE



PART #: 1-3018M

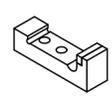
MOVABLE



PART #:
1-4010M

SPECIFY:
BOLT SIZE

STATIONARY



PART #:
1-4010S

STATIONARY



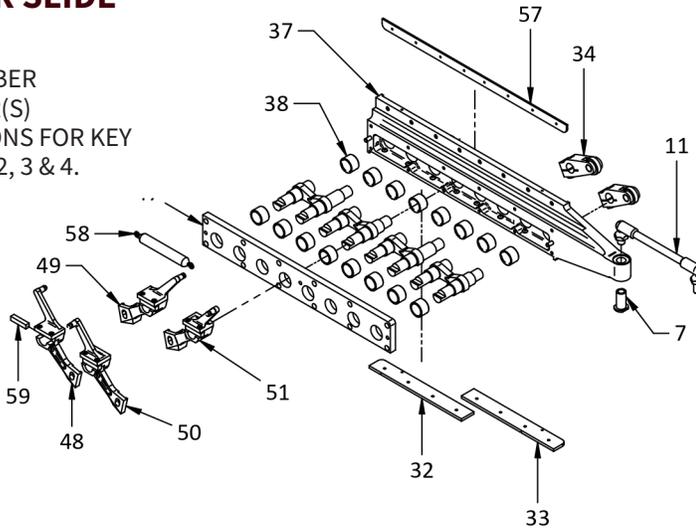
PART #: 1-3018S

NATIONAL M 24 BOLTMAKER

TRANSFER SLIDE

SPECIFY:

- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



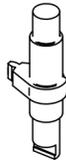
Key #	Description
7	BUSHING
11	LINK
32	BOTTOM WEAR PLATE - LH
33	BOTTOM WEAR PLATE - RH
34	LEVER
35	LEVER
37	SLIDE
38	BUSHING
47	PLATE
48	TRANSFER ARM
49	TRANSFER ARM
50	TRANSFER ARM
51	TRANSFER ARM
57	TOP WEAR PLATE
58	SPRING
59	KEY

STANDARD

Pos 1,3,5,7

Pos 2,6

Pos 4 & 8



3471C6621A

3474C1100A

3474C1101A

S1

Pos 1,3,5,7

Pos 2,6

Pos 4 & 8



3474C3127A

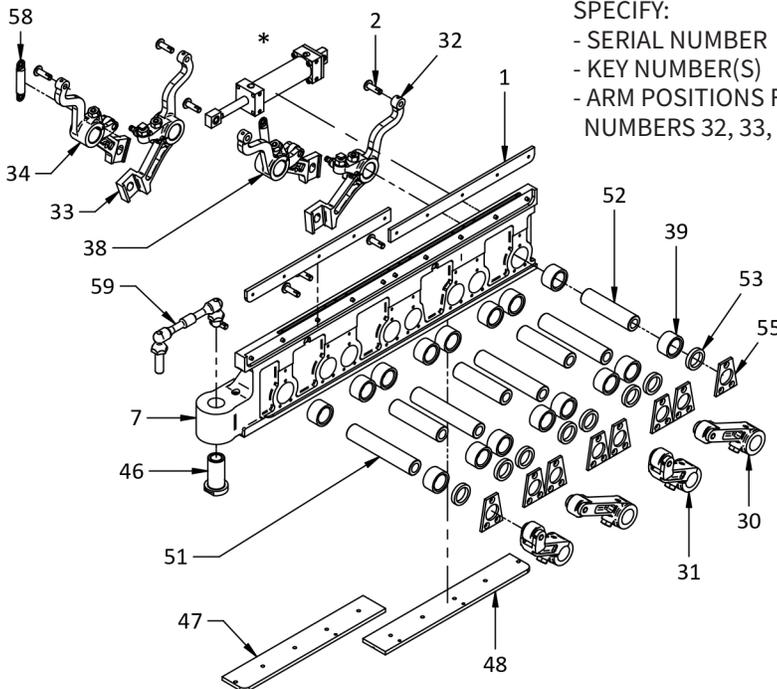
3474C3126A

3474C3125A

4 DIE S1 LONG STROKE

SPECIFY:

- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 32, 33, 34 & 38.



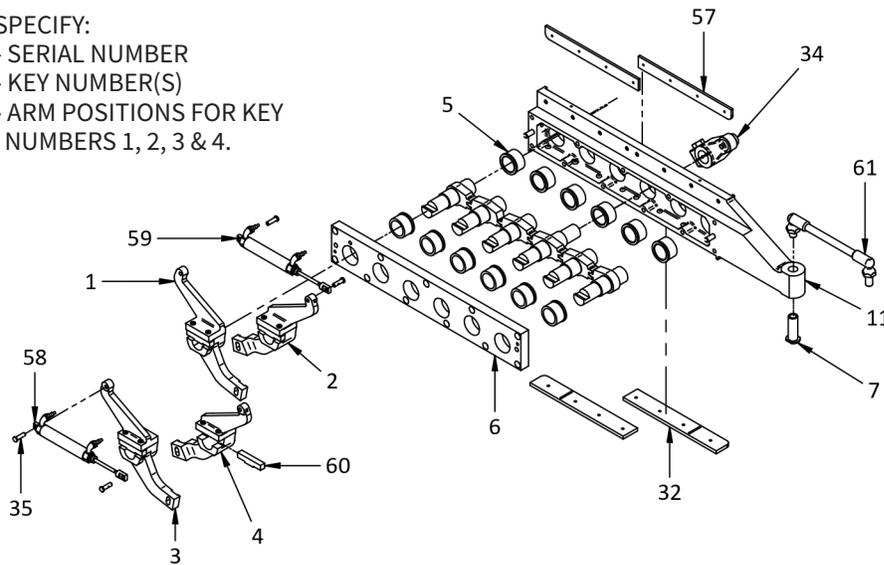
Key #	Description
1	TOP WEAR PLATE
2	PIN
7	SLIDE BODY
30	LEVER
31	LEVER
32	TRANSFER ARM
33	TRANSFER ARM
34	TRANSFER ARM
38	TRANSFER ARM
39	BUSHING
46	BUSHING
47	BOTTOM WEAR PLATE - LH
48	BOTTOM WEAR PLATE - RH
51	LONG SHAFT
52	SHORT SHAFT
53	WASHER
55	RETAINER PLATE
58	SPRING
59	CONNECTION

* PLEASE CALL FOR DETAILS ON AIR CYLINDER PARTS

TRANSFER SLIDE

SPECIFY:

- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



Key #	Description
1	TRANSFER ARM
2	TRANSFER ARM
3	TRANSFER ARM
4	TRANSFER ARM
5	BUSHING
6	COVER PLATE
7	BUSHING
11	SLIDE BODY
32	BOTTOM WEAR PLATE
34	LEVER
35	PIN
57	TOP WEAR PLATE
58	AIR CYLINDER
59	AIR CYLINDER
60	KEY
61	LINK

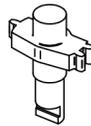
GEARS

Pos 1



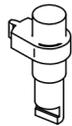
3281C6129A

Pos 3 & 5



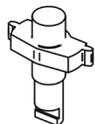
3281C6131A

Pos 6



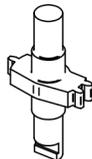
3281C6134A

Pos 2



3281C6130A

Pos 4

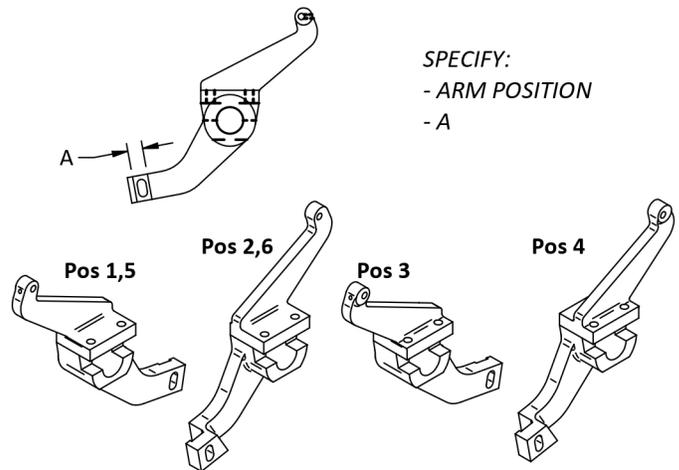


3281C6132A

ARMS

SPECIFY:

- ARM POSITION
- A



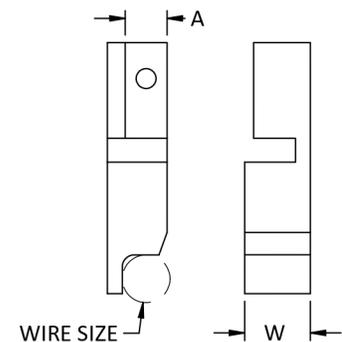
FINGERS

A	W	Part #
7/8	Under 3/4	1-1324-3
7/8	3/4 - 1	1-1325-3
7/8	1-1/4	1-1326-3
7/8	1-1/2	1-1327-3
7/8	1-3/4	1-1328-3
7/8	2	1-1329-3

RIGHT HAND SHOWN

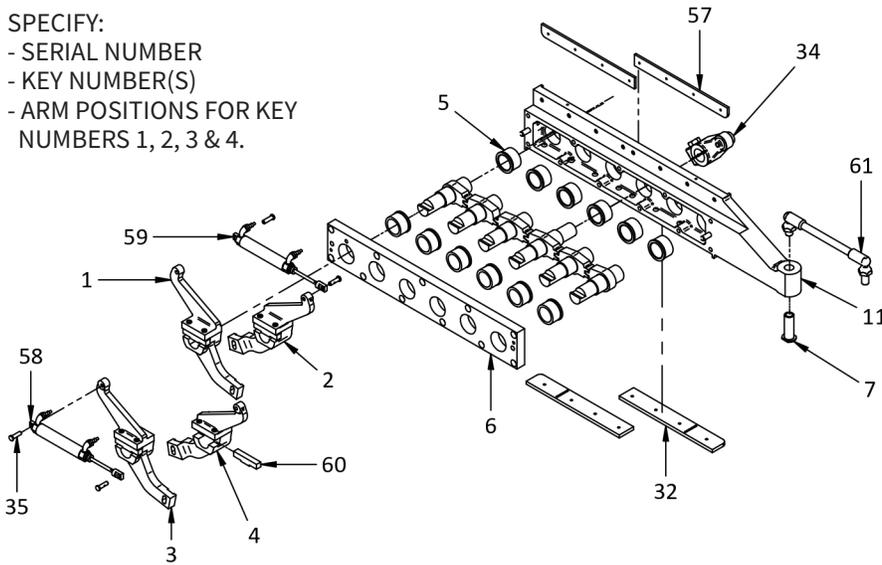
SPECIFY:

- PART #
- LEFT OR RIGHT HAND
- WIRE SIZE
- W



TRANSFER SLIDE

SPECIFY:
 - SERIAL NUMBER
 - KEY NUMBER(S)
 - ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



Key #	Description
1	TRANSFER ARM
2	TRANSFER ARM
3	TRANSFER ARM
4	TRANSFER ARM
5	BUSHING
6	COVER PLATE
7	BUSHING
11	SLIDE BODY
32	BOTTOM WEAR PLATE
34	LEVER
35	PIN
57	TOP WEAR PLATE
58	AIR CYLINDER
59	AIR CYLINDER
60	KEY
61	LINK

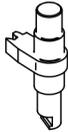
GEARS

Pos 1,3,5,7



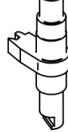
3481C6129A

Pos 2 & 6



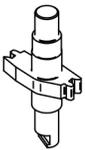
3481C6130A

Pos 4



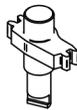
3481C6129A

Pos 8



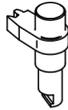
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Pos 9



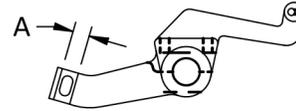
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Pos 10

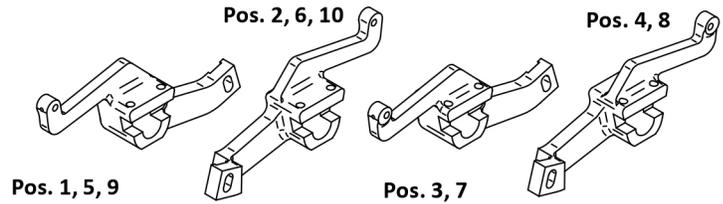


3481C6130B

ARMS



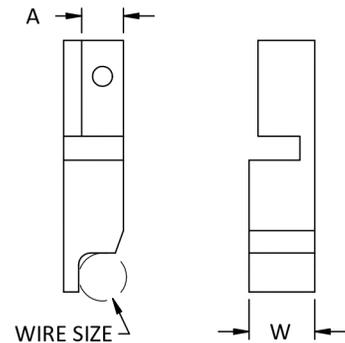
SPECIFY:
 - ARM POSITION
 - A



FINGERS

RIGHT HAND SHOWN

SPECIFY:
 - PART #
 - LEFT OR RIGHT HAND
 - WIRE SIZE
 - W

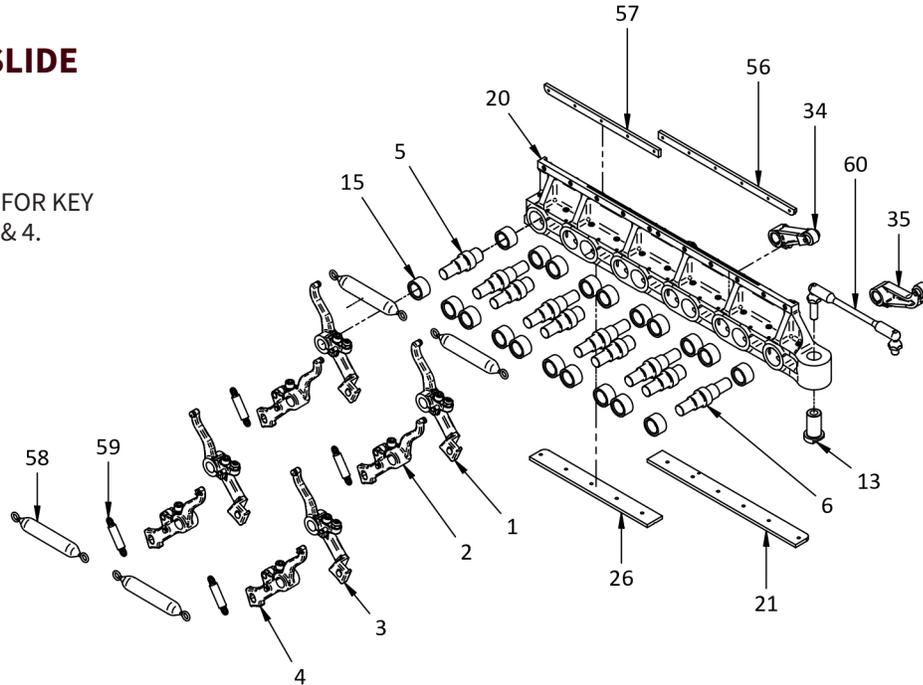


A	W	Part #
7/8	UNDER 3/4	1-1324-3
7/8	3/4 - 1	1-1325-3
7/8	1-1/4	1-1326-3
7/8	1-1/2	1-1327-3
7/8	1-3/4	1-1328-3
7/8	2	1-1329-3
1	UNDER 3/4	1-1324-4
1	3/4 - 1	1-1325-4
1	1-1/4	1-1326-4
1	1-1/2	1-1327-4
1	1-3/4	1-1328-4
1	2	1-1329-4

TRANSFER SLIDE

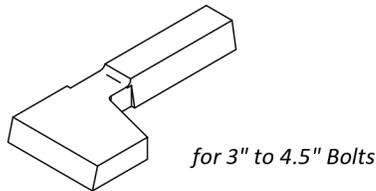
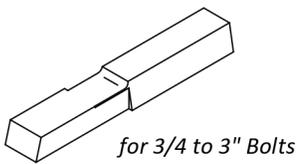
SPECIFY:

- SERIAL NUMBER
- KEY NUMBER(S)
- ARM POSITIONS FOR KEY NUMBERS 1, 2, 3 & 4.



Key #	Description	Key #	Description	Key #	Description
1	TRANSFER ARM	13	LINK BUSHING	35	LEVER
2	TRANSFER ARM	15	BUSHING	56	TOP WEAR PLATE - LH
3	TRANSFER ARM	20	SLIDE	57	TOP WEAR PLATE - RH
4	TRANSFER ARM	21	BOTTOM WEAR PLATE - LH	58	SPRING
5	SHAFT - SHORT	26	BOTTOM WEAR PLATE - RH	59	BOTTOM SPRING
6	SHAFT - LONG	34	LEVER	60	LINK

INJECTOR



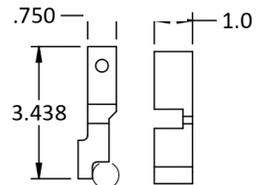
FINGERS

RIGHT HAND SHOWN

SPECIFY:

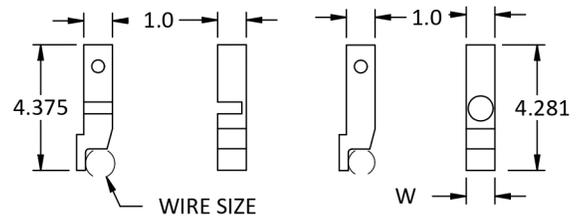
- PART #
- LEFT OR RIGHT HAND
- WIRE SIZE
- W

4 DIE



PART #: 1-1601

4 DIE LS & 5 DIE

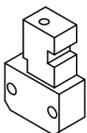


PART #: 1-1701

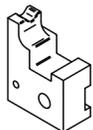
PART #: 1-1901

POINTER CHUCK JAWS

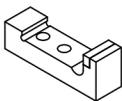
BRACKET MOVABLE STATIONARY



PART #:
1-4012B

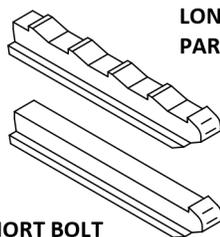


PART #:
1-4012M



PART #:
1-4012S

BOLT STOP IN TRIM TOOL



LONG BOLT
PART #: 1-3027

SPECIFY:
BOLT
LENGTH

SHORT BOLT
PART #: 1-3026



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