

HANDY TAPER

For semiconductor Mounting

TAB Splicer for TAB / BGA / COF / CSP / etc.

This product has been widely used as a tape splicer for TAB (Tape Automated Bonding) since 1975. Since 1990, our Tape Splicer has been widely accepted as the most suitable device for densely designed TAB/TCP (Tape Carrier Package) both domestically and overseas.



SPTAB35 - SP - NSS

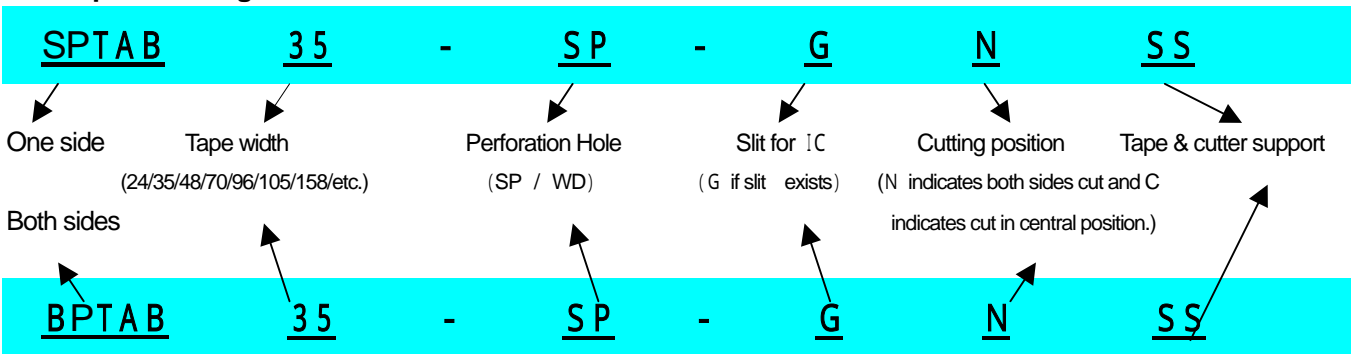
SPTAB48 - SP - NSS

SPTAB70 - SP - NSS

Special features of the TAB Splicer

- The splicer for cinema use was first developed by this company in 1963. After 40 years of research and experience we developed the TAB Splicer.
- The film cutter is constructed of stainless steel with special coating on the blades. The blades themselves are rustproof and can be used indefinitely.
- The dice is of stainless steel with special coating on the edges.
- The tape cutter itself is similar to a razor blade which reduces cost and enables rapid replacement.
- The registration pin is designed with 8 pins for simple operation..
- Simple operation coupled with a well-balanced design makes smooth punching of the sprocket holes extremely straightforward.
- Solid body and special design enables precision work at all times.

TAB Splicer coding



BPTAB Splicer (Patent registered)



BPTAB35

BPTAB48

BPTAB70

TAB Hand puncher



TAB 96/105 Splicer and Precision Cutter



Any special requirements and/or specifications for TAB/IC cards and semiconductor tools can be met. Detailed information and methods of maintenance can be found on our homepage:

URL: <http://www.tokyoseiki.com>

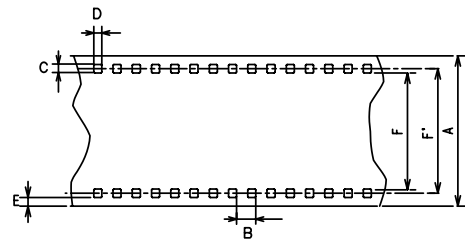


TAB Splicing Tape

| | |
|---------------|--------------------|
| Tape material | Polyimide 25 μ |
| Adhesive | Silicone |
| Tape width | 10/15/24/25mm/etc. |
| Tape length | 20 m/roll |
| Core | 25 . 4 |

We are ready to meet your requirements.

Standard Measurements of TAB Tape Carrier



| TAB Tape | A | B | C | | | | |
|----------|--------|------|------|------|--------|--------|-------|
| 35 WIDE | | 4.75 | 1.98 | 1.98 | 2.01 | 26.996 | 28.98 |
| SUPER | 34.975 | 4.75 | 1.42 | 1.42 | 0.86 | 30.40 | 31.82 |
| 48 WIDE | 48.175 | 4.75 | 1.98 | 1.98 | 2.007 | 40.199 | 42.18 |
| SUPER | 48.175 | 4.75 | 1.42 | 1.42 | 0.9475 | 43.44 | 44.86 |
| 70 WIDE | 69.95 | 4.75 | 1.98 | 1.98 | 2.01 | 61.966 | 63.95 |
| SUPER | 69.95 | 4.75 | 1.42 | 1.42 | 0.86 | 65.38 | 66.8 |
| 24 SUPER | 24.00 | 4.75 | 1.42 | 1.42 | 0.86 | 19.43 | 20.85 |



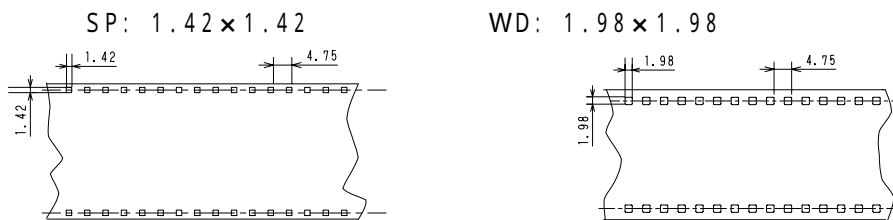
TAB Splicer Questionnaire

Please circle as per your request.

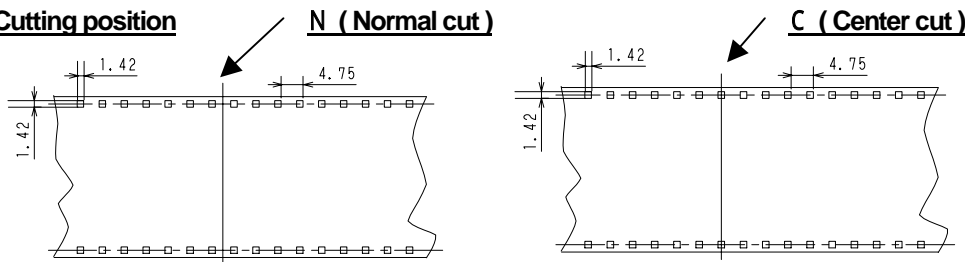
| | | | | | |
|-----------------------------------|--|-------------------------------|-------|---|----------------------------|
| Tape Width | 24 mm | 35 mm | 48 mm | 70 mm | Other <u> </u> mm |
| 1* Shape of perforation | SP | | WD | | ST or Special shape |
| 2* Cutting position | Normal (N) | | | Center (C) | |
| Position of cutter | Only right side (standard) | | | Both right and left sides (T) | |
| Tape holder (supporting) | Only right side (S) | | | Both right and left sides (SS) | |
| 3* Allowance for IC | None or Flat (standard) | | | Exists (G) | |
| 4* Perforation | 6 holes (standard) N cut or C cut | | | 5 holes (5) (In case C cut is necessary) | |
| Width and length of Splicing tape | W | 15 mm 24 mm or <u> </u> mm | | L | 10 m 20 m or <u> </u> m |

Example : SPTAB35-SP-NSS SPTAB48-WD-GCS-5 SPTAB70-SP-NSS-T

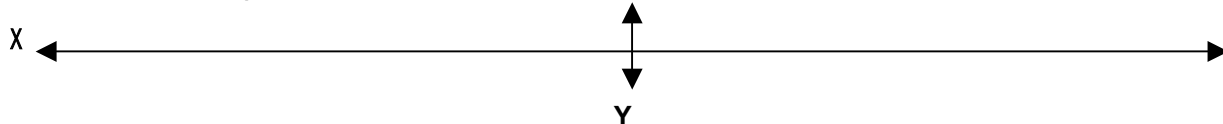
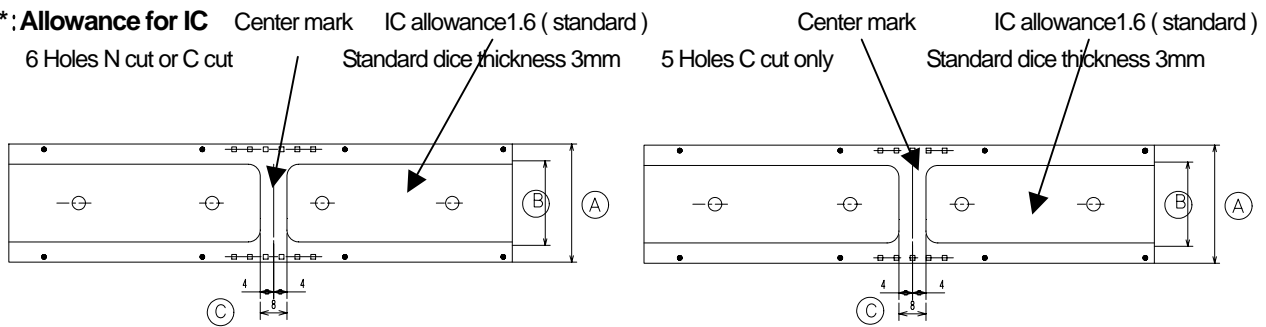
1*: Shape of perforation



2*: Cutting position



3*: Allowance for IC



| | | | | |
|--------------------------------|---------------|---------------|---------------|-------------------|
| A Width of dice (carrier tape) | 35 mm | 48 mm | 70 mm | or <u> </u> mm |
| B Y direction allowance | 23 (standard) | 23 (standard) | 51 (standard) | |
| C X direction taping | 8 (standard) | 8 (standard) | 8 (standard) | |

4*: Number of perforations

Standard Specifications ; Both for N cut or C cut, perforation number is 6.

Name and parts list of SPTAB Splicers (Sample: SP48-SP-NSS) Jan. 13, 04



SPTAB35-SP-NSS

Parts No

Parts No

SPXX

SPXX



SP48/ W170×D200×H100 3. 5kg

SP35/ W170×D200×H100 2. 8kg

Standard Parts® (Punch and Die will be on a set basis)

| | | | | | |
|------------|---------------------------------|-------------|--------------------------------|-------------|-----------------------------|
| SP1 | Handle® | SP10 | Handle Pivot Pin w/ set screw | SP19 | Die Assy ® |
| SP2 | Blade Holder | SP11 | Film Cutter Assembly® | SP20 | Film Cutter Support |
| SP3 | Tape Cutter Blades (blade)® | SP12 | Base Clean-out Plate | SP21 | Film Cutter Support Rubber® |
| SP4 | Blade Positioning Screw ® | SP13 | Handle Stop Screw & nut | SP22 | Front Tape Guide |
| SP5 | Blade Pressure Plate® | SP14 | Tape Roll Spacer 2Pcs/set | SP23 | Rubber Support ® |
| SP6 | Perf Punch Assy ® | SP15 | Tape Roller Retainer Retainer® | | |
| SP7 | Guide Post Spring(φ 12 spring)® | SP16 | Holder Roller ® | | |
| SP8 | Stripper Plate | SP17 | Holder Bracket | | |
| SP9 | Stripper Plate Screw | SP18 | Rear Tape Guide | | |

| Each M/C | 24 | 35 | 48 | 70 | 70 / 35-2Rows | 96 | 96 / 48-2Rows | 105 | 158 |
|------------------------|----|----|----|----|---------------|----|---------------|-----|-----|
| SP (Single side) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| EB (Simple both sides) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| BP (Both sides) | | ○ | ○ | ○ | ○ | | | | |