

# PUNCHING

Portable Single-Acting Hydraulic Puncher

## SELFER HA Type

**Punch, return, and reset operations are fully automatic.**  
**An emergency switch returns the punch at any time.**

- Will punch both round and oblong holes

### Model HA11-1624 Non-CE

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 110 mm



### Model HA07-1624 Non-CE

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 70 mm



### Model HA06-1322 Non-CE

- Max. punching thickness: 13 mm
- Max. punching diameter: 22 mm
- Max. throat depth: 60 mm



#### Specifications

| Model                     | HA11-1624                                                                                                                                                                                                                               | HA07-1624 | HA06-1322 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| Max. Throat Depth         | mm 110                                                                                                                                                                                                                                  | 70        | 60        |
| Punching Capacity         | Mild Steel                                                                                                                                                                                                                              |           |           |
| Material                  |                                                                                                                                                                                                                                         |           |           |
| Max. Punching Thickness*1 | mm 16                                                                                                                                                                                                                                   |           | 13        |
| Max. Punching Diameter    | mm 24                                                                                                                                                                                                                                   |           | 22        |
| Hole Making Time*2        | sec. 16.5                                                                                                                                                                                                                               |           | 10.5      |
| Allowable Max. Pressure   | MPa (kgf/cm <sup>2</sup> ) 68.65 (700)                                                                                                                                                                                                  |           |           |
| Max. Output               | kN (tf) 431 (44)                                                                                                                                                                                                                        |           | 304 (31)  |
| Ram Stroke                | mm 25                                                                                                                                                                                                                                   |           | 21        |
| Mass (Weight)             | kg 35.5                                                                                                                                                                                                                                 | 28.5      | 21.5      |
| Accessories Included      | <ul style="list-style-type: none"> <li>• D Punch 22 (Installed)</li> <li>• D Die 22 (Installed)</li> <li>• Sub Handle</li> <li>• Hose Cord Ass'y</li> <li>• Spanner</li> <li>• 4 mm Hex Socket Screw Key</li> <li>• Tool Box</li> </ul> |           |           |

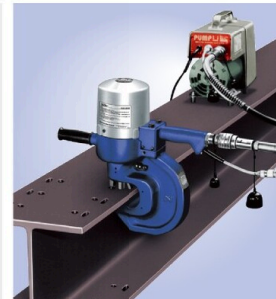
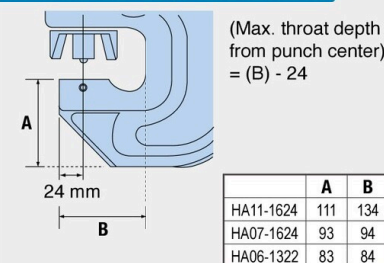
\*1: Mild steel: Maximum punching thickness must be calculated by the equation  $0.8 \times$  punching diameter. Stainless steel and hard materials cannot be punched. For the details see the instruction manual.  
 \*2: The hole making time may vary depending on the temperature of the hydraulic oil during operation.

#### Optional Accessories

| PN      | Description                                          | Sales Unit |
|---------|------------------------------------------------------|------------|
| TA96534 | Hose Kit Ass'y 5 m *1                                | 1 set      |
| TP05184 | Ultra-high Pressure Hose 5 m *2                      | 1 piece    |
| TA93778 | Switch Cord Ass'y 5 m                                | 1 set      |
| TA9B044 | Hose Kit Ass'y 10 m *1                               | 1 set      |
| TP05777 | Ultra-high Pressure Hose 10 m *2                     | 1 piece    |
| TA95307 | Switch Cord Ass'y 10 m                               | 1 set      |
| TA94386 | Foot Switch Ass'y                                    | 1 set      |
| TA92729 | 4L Oil Can                                           | 1 piece    |
| TA96342 | Hook Clamp Ass'y for HA07-1624 and HA11-1624         | 1 set      |
| TA99037 | Lock Nut Ass'y for 25 mm Punch                       | 1 set      |
| TQ01279 | Hex Set Screw 8 x 14 for Securing Oblong Hole D Dies | 1 piece    |

\*1: The Hose Kit Ass'y consists of an Ultra-high Pressure Hose with CUPLA and a Switch Cord Ass'y.  
 \*2: CUPLA is not provided with the Ultra-high Pressure Hose.

#### Dimension from Edge to Punch Center



## HYDRAULIC PUMP for SELFER HA Type

### Model SC-05 Non-CE

- Single-acting



#### Specifications

| Model                       | SC-05                                  |       |
|-----------------------------|----------------------------------------|-------|
| Power Source (Single Phase) | 115 V / 230 V AC                       |       |
| Max. Output Pressure        | MPa (kgf/cm <sup>2</sup> ) 68.65 (700) |       |
| Output                      | 50 Hz                                  | 60 Hz |
| At No-load                  | L/min 1.20                             | 1.44  |
| At 68.65 MPa                | L/min 0.55                             | 0.66  |
| Motor                       | 0.4 kW 4P                              |       |
| Reservoir Capacity          | L 4.0                                  |       |
| Discharge Port              | Rc 3/8                                 |       |
| Mass (Weight)               | kg 27.5                                |       |



Tài liệu được tổng hợp bởi đội ngũ kỹ thuật của **NPOWER** Bản quyền nội dung thuộc về **NITTO KOHKI**

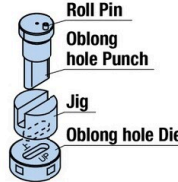
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# PUNCHES & DIES

## Punches & Dies for SELFER Puncher

FOR HS06-1322/HS07-1624/HS11-1624/HA06-1322/HA07-1624/HA11-1624

| Oblong hole D Punch |                  | Oblong hole D Die |               | Oblong hole Jig |             |
|---------------------|------------------|-------------------|---------------|-----------------|-------------|
| PN                  | Size             | PN                | Size          | PN              | Size        |
| TK01512             | D Punch 16 x 8   | TK01544           | D Die 16 x 8  | TK01694         | Jig 16 x 8  |
| TK01513             | D Punch 18 x 9   | TK01545           | D Die 18 x 9  | TK01695         | Jig 18 x 9  |
| TK01514             | D Punch 20 x 10  | TK01546           | D Die 20 x 10 | TK01696         | Jig 20 x 10 |
| TK01515             | D Punch 22 x 11  | TK01547           | D Die 22 x 11 | TK01697         | Jig 22 x 11 |
| TK01516             | D Punch 24 x 12  | TK01548           | D Die 24 x 12 | TK01698         | Jig 24 x 12 |
| TK01517             | D Punch 25 x 9*  | TK01549           | D Die 25 x 9  | TK01699         | Jig 25 x 9  |
| TK01518             | D Punch 25 x 12* | TK01550           | D Die 25 x 12 | TK01700         | Jig 25 x 12 |
| TK01519             | D Punch 25 x 14* | TK01551           | D Die 25 x 14 | TK01701         | Jig 25 x 14 |
| TK01520             | D Punch 25 x 18* | TK01552           | D Die 25 x 18 | TK01702         | Jig 25 x 18 |



\*TA99037 Lock Nut Ass'y is required for Oblong hole D Punch 25 x 9 / 12 / 14 / 18

Optional Accessories

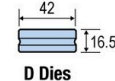
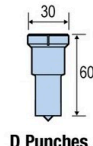
| PN      | Description                                        | Sales Unit |
|---------|----------------------------------------------------|------------|
| TQ01279 | Hex Set Screw 8 x 14 for Securing Oblong Hole Dies | 1 piece    |
| TA99037 | Lock Nut Ass'y for 25 mm Punch                     | 1 set      |
| TA99036 | Lock Nut Ass'y*                                    |            |
| TP06012 | Spanner for removing Lock Nut*                     | 1 piece    |

\*Installed in SELFER ACE and HA Type as standard.



FOR HS06-1322/HS07-1624/HS11-1624/HA06-1322/HA07-1624/HA11-1624

| Round hole D Punch |              | Round hole D Die |            |
|--------------------|--------------|------------------|------------|
| PN                 | Size         | PN               | Size       |
| TK01489            | D Punch 8    | TK01521          | D Die 8    |
| TK01490            | D Punch 9    | TK01522          | D Die 9    |
| TK01491            | D Punch 10   | TK01523          | D Die 10   |
| TK01492            | D Punch 11   | TK01524          | D Die 11   |
| TK01493            | D Punch 12   | TK01525          | D Die 12   |
| TK01494            | D Punch 13   | TK01526          | D Die 13   |
| TK01495            | D Punch 14   | TK01527          | D Die 14   |
| TK01496            | D Punch 14.5 | TK01528          | D Die 14.5 |
| TK01497            | D Punch 15   | TK01529          | D Die 15   |
| TK01498            | D Punch 16   | TK01530          | D Die 16   |
| TK01499            | D Punch 17   | TK01531          | D Die 17   |
| TK01500            | D Punch 17.5 | TK01532          | D Die 17.5 |
| TK01501            | D Punch 18   | TK01533          | D Die 18   |
| TK01502            | D Punch 19   | TK01534          | D Die 19   |
| TK01503            | D Punch 20   | TK01535          | D Die 20   |
| TK01504            | D Punch 20.5 | TK01536          | D Die 20.5 |
| TK01505            | D Punch 21   | TK01537          | D Die 21   |
| TK01506            | D Punch 21.5 | TK01538          | D Die 21.5 |
| TK01507            | D Punch 22   | TK01539          | D Die 22   |
| TK01508            | D Punch 23   | TK01540          | D Die 23   |
| TK01509            | D Punch 23.5 | TK01541          | D Die 23.5 |
| TK01510            | D Punch 24   | TK01542          | D Die 24   |
| TK01511            | D Punch 25   | TK01543          | D Die 25   |

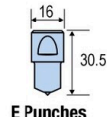


\*TA99037 Lock Nut Ass'y is required for D Punch 25

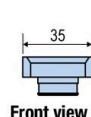
FOR E25-0615

| Round hole E Punch |             | Round hole E Die (Type A for thin sheets) |            | Round hole E Die (Type B for thick sheets) |            |
|--------------------|-------------|-------------------------------------------|------------|--------------------------------------------|------------|
| PN                 | Size        | PN                                        | Size       | PN                                         | Size       |
| TK01553            | E Punch 4   | TK01571                                   | E Die 4A   | -                                          | -          |
| TK01554            | E Punch 5   | TK01572                                   | E Die 5A   | TK01584                                    | E Die 5B   |
| TK01555            | E Punch 5.5 | TK01573                                   | E Die 5.5A | TK01585                                    | E Die 5.5B |
| TK01556            | E Punch 6   | TK01574                                   | E Die 6A   | TK01586                                    | E Die 6B   |
| TK01557            | E Punch 6.5 | TK01575                                   | E Die 6.5A | TK01587                                    | E Die 6.5B |
| TK01558            | E Punch 8   | TK01576                                   | E Die 8A   | TK01588                                    | E Die 8B   |
| TK01559            | E Punch 8.5 | TK01577                                   | E Die 8.5A | TK01589                                    | E Die 8.5B |
| TK01560            | E Punch 10  | TK01578                                   | E Die 10A  | TK01590                                    | E Die 10B  |
| TK01561            | E Punch 11  | TK01579                                   | E Die 11A  | TK01591                                    | E Die 11B  |
| TK01562            | E Punch 12  | TK01580                                   | E Die 12A  | TK01592                                    | E Die 12B  |
| TK01563            | E Punch 13  | TK01581                                   | E Die 13A  | TK01593                                    | E Die 13B  |
| TK01564            | E Punch 14  | TK01582                                   | E Die 14A  | TK01594                                    | E Die 14B  |
| TK01565            | E Punch 15  | TK01583                                   | E Die 15A  | TK01595                                    | E Die 15B  |

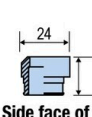
| Oblong hole E Punch |                  | Oblong hole E Die (Type A for thin sheets) |                 | Oblong hole E Die (Type B for thick sheets) |                 |
|---------------------|------------------|--------------------------------------------|-----------------|---------------------------------------------|-----------------|
| PN                  | Size             | PN                                         | Size            | PN                                          | Size            |
| TK01566             | E Punch 10 x 5   | TK01596                                    | E Die 10 x 5A   | TK01601                                     | E Die 10 x 5B   |
| TK01567             | E Punch 10 x 6.5 | TK01597                                    | E Die 10 x 6.5A | TK01602                                     | E Die 10 x 6.5B |
| TK01568             | E Punch 12 x 6   | TK01598                                    | E Die 12 x 6A   | TK01603                                     | E Die 12 x 6B   |
| TK01569             | E Punch 13 x 6.5 | TK01599                                    | E Die 13 x 6.5A | TK01604                                     | E Die 13 x 6.5B |
| TK01570             | E Punch 13 x 8.5 | TK01600                                    | E Die 13 x 8.5A | TK01605                                     | E Die 13 x 8.5B |



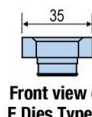
E Punches



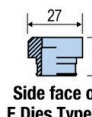
Front view of E Dies Type A



Side face of E Dies Type A



Front view of E Dies Type B



Side face of E Dies Type B

FOR E55-0619

| Oblong hole EL Punch |                    | Oblong hole EL Die (Type A for thin sheets) |                   | Oblong hole EL Die (Type B for thick sheets) |                   |
|----------------------|--------------------|---------------------------------------------|-------------------|----------------------------------------------|-------------------|
| PN                   | Size               | PN                                          | Size              | PN                                           | Size              |
| TK01621              | EL Punch 10 x 6.5  | TK01670                                     | EL Die 10 x 6.5A  | TK01682                                      | EL Die 10 x 6.5B  |
| TK01622              | EL Punch 13 x 6.5  | TK01671                                     | EL Die 13 x 6.5A  | TK01683                                      | EL Die 13 x 6.5B  |
| TK01623              | EL Punch 13 x 8.5  | TK01672                                     | EL Die 13 x 8.5A  | TK01684                                      | EL Die 13 x 8.5B  |
| TK01624              | EL Punch 13.5 x 9  | TK01673                                     | EL Die 13.5 x 9A  | TK01685                                      | EL Die 13.5 x 9B  |
| TK01625              | EL Punch 15 x 10   | TK01674                                     | EL Die 15 x 10A   | TK01686                                      | EL Die 15 x 10B   |
| TK01626              | EL Punch 16.5 x 11 | TK01675                                     | EL Die 16.5 x 11A | TK01687                                      | EL Die 16.5 x 11B |
| TK01627              | EL Punch 17 x 8.5  | TK01676                                     | EL Die 17 x 8.5A  | TK01688                                      | EL Die 17 x 8.5B  |
| TK01628              | EL Punch 18 x 9    | TK01677                                     | EL Die 18 x 9A    | TK01689                                      | EL Die 18 x 9B    |
| TK01629              | EL Punch 18 x 12   | TK01678                                     | EL Die 18 x 12A   | TK01690                                      | EL Die 18 x 12B   |
| TK01630              | EL Punch 19.5 x 13 | TK01679                                     | EL Die 19.5 x 13A | TK01691                                      | EL Die 19.5 x 13B |
| TK01631              | EL Punch 20 x 10   | TK01680                                     | EL Die 20 x 10A   | TK01692                                      | EL Die 20 x 10B   |
| TK01632              | EL Punch 21 x 14   | TK01681                                     | EL Die 21 x 14A   | TK01693                                      | EL Die 21 x 14B   |

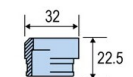
| Round hole EL Punch |               | Round hole EL Die (Type A for thin sheets) |              | Round hole EL Die (Type B for thick sheets) |              | Round hole EL Die (Type C for channel iron) |            |
|---------------------|---------------|--------------------------------------------|--------------|---------------------------------------------|--------------|---------------------------------------------|------------|
| PN                  | Size          | PN                                         | Size         | PN                                          | Size         | PN                                          | Size       |
| TK01606             | EL Punch 6    | TK01633                                    | EL Die 6A    | TK01648                                     | EL Die 6B    | -                                           | -          |
| TK01607             | EL Punch 6.5  | TK01634                                    | EL Die 6.5A  | TK01649                                     | EL Die 6.5B  | -                                           | -          |
| TK01608             | EL Punch 8    | TK01635                                    | EL Die 8A    | TK01650                                     | EL Die 8B    | -                                           | -          |
| TK01609             | EL Punch 8.5  | TK01636                                    | EL Die 8.5A  | TK01651                                     | EL Die 8.5B  | -                                           | -          |
| TK01610             | EL Punch 10   | TK01637                                    | EL Die 10A   | TK01652                                     | EL Die 10B   | TK01663                                     | EL Die 10C |
| TK01611             | EL Punch 11   | TK01638                                    | EL Die 11A   | TK01653                                     | EL Die 11B   | TK01664                                     | EL Die 11C |
| TK01612             | EL Punch 12   | TK01639                                    | EL Die 12A   | TK01654                                     | EL Die 12B   | TK01665                                     | EL Die 12C |
| TK01613             | EL Punch 13   | TK01640                                    | EL Die 13A   | TK01655                                     | EL Die 13B   | TK01666                                     | EL Die 13C |
| TK01614             | EL Punch 14   | TK01641                                    | EL Die 14A   | TK01656                                     | EL Die 14B   | TK01667                                     | EL Die 14C |
| TK01615             | EL Punch 15   | TK01642                                    | EL Die 15A   | TK01657                                     | EL Die 15B   | TK01668                                     | EL Die 15C |
| TK01616             | EL Punch 16   | TK01643                                    | EL Die 16A   | TK01658                                     | EL Die 16B   | TK01669                                     | EL Die 16C |
| TK01617             | EL Punch 17   | TK01644                                    | EL Die 17A   | TK01659                                     | EL Die 17B   | -                                           | -          |
| TK01618             | EL Punch 18   | TK01645                                    | EL Die 18A   | TK01660                                     | EL Die 18B   | -                                           | -          |
| TK01619             | EL Punch 18.5 | TK01646                                    | EL Die 18.5A | TK01661                                     | EL Die 18.5B | -                                           | -          |
| TK01620             | EL Punch 19   | TK01647                                    | EL Die 19A   | TK01662                                     | EL Die 19B   | -                                           | -          |



EL Punches



Front view of EL Dies Type A, B & C



Side face of EL Dies Type A, B & C

Sales Unit: 1 Piece