



**15285-**

SWISS MADE 



15285-B



15285-D



15285-93C

**STAR**



### Potences à river et à chasser, en malette

Canon de guidage Ø 4.7 mm. Tous les rivoirs et tasseaux sont logés dans la valise, chaque rivoir est numéroté.

- **15285-B:** Potence à river, en fonte injectée, avec 50 rivoirs et 10 tasseaux, sans socle.
- **15285-D:** Potence à river, en fonte injectée, avec 100 rivoirs et 20 tasseaux, avec socle.
- **15285-93C:** Potence à river et à chasser STAR, en fonte usinée, avec 120 rivoirs et 24 tasseaux, avec socle.
- **15285-140.92:** Potence à river et à chasser STAR, en fonte usinée, avec 104 rivoirs, 12 poussoirs et 25 tasseaux, avec socle.

### Triebnietmaschinen zum Nieten und Einpressen, in Koffer

Führungsbuchse Ø 4.7 mm. Alle Punzen und Ambösschen sind in einem Koffer eingelassen, jeder Punzen ist numeriert.

- **15285-B:** Triebnietmaschine, aus Spritzguss, mit 50 Punzen und 10 Ambösschen, ohne Sockel.
- **15285-D:** Triebnietmaschine, aus Spritzguss, mit 100 Punzen und 20 Ambösschen, mit Sockel.
- **15285-93C:** STAR Triebnietmaschine zum Nieten und Einpressen, aus bearbeitetem Guss, mit 120 Punzen und 24 Ambösschen, mit Sockel.
- **15285-140.92:** STAR Triebnietmaschine zum Nieten und Einpressen, aus bearbeitetem Guss, mit 105 Punzen, 12 Presstempeln und 15 Ambösschen, mit Sockel.

## Rivoirs, poussoirs et tasseaux pour potences à river 15285

Ils conviennent également à d'autres potences à river, dont les potences STAR.

Tige: Ø 4.7 mm / longueur 86 mm

## Punzen, Presstempel und Ambossen für Triebnietmaschinen 15285

Sie eignen sich auch für andere Triebnietmaschinen, Dazu gehören auch die STAR-Triebnietmaschinen.

Schaft: Ø 4,7 mm / Länge 86 mm

## 15285-...

SWISS MADE 

|                                                                                                                                |                                                                                     |           | Ø<br>mm | Ø<br>mm | g  |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|---------|---------|----|
| Rivoir en acier argent,<br>à centrer<br><i>Zentrierpunze aus Silberstahl</i>                                                   |    | 15285-001 | 4.70    |         | 11 |
| Rivoir en acier argent, à élargir<br>les bras de balanciers<br><i>Punze aus Silberstahl, zum<br/>Verlängern der Pendelarme</i> |   | 15285-016 |         |         | 11 |
| Rivoir en acier argent, à<br>allonger les bras de balanciers<br><i>Punze aus Silberstahl, zum<br/>Verlängern der Unruharme</i> |  | 15285-019 |         |         | 11 |
| Rivoir en acier argent, plat<br><i>Punze aus Silberstahl, flach</i>                                                            |  | 15285-023 | 4.50    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-024 | 4.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-025 | 3.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-026 | 3.30    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-027 | 3.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-028 | 2.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-029 | 2.30    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-030 | 2.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-031 | 1.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-032 | 1.50    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-033 | 1.20    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-034 | 1.00    |         | 11 |
| Rivoir en acier argent, rond<br><i>Punze aus Silberstahl, rund</i>                                                             |  | 15285-035 | 4.50    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-036 | 4.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-037 | 3.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-038 | 3.30    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-039 | 3.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-040 | 2.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-041 | 2.30    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-042 | 2.00    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-043 | 1.70    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-044 | 1.50    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-045 | 1.20    |         | 11 |
|                                                                                                                                |                                                                                     | 15285-046 | 1.00    |         | 11 |
| Rivoir en acier argent, percé,<br>trous en croix tournés<br><i>Punze aus Silberstahl, gebohrt,<br/>gedrehtes Kreuzloch</i>     |  | 15285-047 | 2.80    | 1.20    | 11 |
|                                                                                                                                |                                                                                     | 15285-048 | 2.50    | 1.00    | 11 |
|                                                                                                                                |                                                                                     | 15285-049 | 2.20    | 0.80    | 11 |
|                                                                                                                                |                                                                                     | 15285-050 | 1.80    | 0.60    | 11 |
|                                                                                                                                |                                                                                     | 15285-051 | 1.50    | 0.50    | 11 |
|                                                                                                                                |                                                                                     | 15285-052 | 1.20    | 0.40    | 11 |

|                                                                                                                                |                                                                                       |            | Ø<br>mm | Ø<br>mm | g  |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|---------|---------|----|
| Rivoir en acier argent, percé,<br>trous en croix rabattus<br><i>Punze aus Silberstahl, gebohrt,<br/>umgeklapptes Kreuzloch</i> |    | 15285-053  | 2.80    | 1.20    | 11 |
|                                                                                                                                |                                                                                       | 15285-054  | 2.50    | 1.00    | 11 |
|                                                                                                                                |                                                                                       | 15285-055  | 2.20    | 0.80    | 11 |
|                                                                                                                                |                                                                                       | 15285-056  | 1.80    | 0.60    | 11 |
|                                                                                                                                |                                                                                       | 15285-057  | 1.50    | 0.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-058  | 1.20    | 0.40    | 11 |
| Rivoir en acier argent,<br>plat, percé<br><i>Punze aus Silberstahl,<br/>flach, gebohrt</i>                                     |   | 15285-065  | 4.50    | 2.20    | 11 |
|                                                                                                                                |                                                                                       | 15285-066  | 4.00    | 2.00    | 11 |
|                                                                                                                                |                                                                                       | 15285-067  | 3.70    | 1.70    | 11 |
|                                                                                                                                |                                                                                       | 15285-068  | 3.30    | 1.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-068A | 3.10    | 1.30    | 11 |
|                                                                                                                                |                                                                                       | 15285-069  | 3.00    | 1.20    | 11 |
|                                                                                                                                |                                                                                       | 15285-069A | 2.85    | 1.10    | 11 |
|                                                                                                                                |                                                                                       | 15285-070  | 2.70    | 1.00    | 11 |
|                                                                                                                                |                                                                                       | 15285-070A | 2.50    | 0.90    | 11 |
|                                                                                                                                |                                                                                       | 15285-071  | 2.30    | 0.80    | 11 |
|                                                                                                                                |                                                                                       | 15285-072  | 2.00    | 0.70    | 11 |
|                                                                                                                                |                                                                                       | 15285-073  | 1.70    | 0.60    | 11 |
|                                                                                                                                |                                                                                       | 15285-074  | 1.50    | 0.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-075  | 1.20    | 0.40    | 11 |
|                                                                                                                                |                                                                                       | 15285-076  | 1.00    | 0.30    | 11 |
| Rivoir en acier argent,<br>grandes moyennes, percé<br><i>Punze aus Silberstahl,<br/>Minutenrad, gebohrt</i>                    |  | 15285-077  | 4.50    | 1.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-079  | 4.50    | 1.20    | 11 |
|                                                                                                                                |                                                                                       | 15285-081  | 4.50    | 1.00    | 11 |
|                                                                                                                                |                                                                                       | 15285-083  | 4.50    | 0.80    | 11 |
|                                                                                                                                |                                                                                       | 15285-084  | 4.50    | 0.70    | 11 |
|                                                                                                                                |                                                                                       | 15285-085  | 4.50    | 0.60    | 11 |
| Rivoir en acier argent,<br>concave, percé<br><i>Punze aus Silberstahl, rund,<br/>gebohrt</i>                                   |  | 15285-086  | 3.50    | 1.20    | 11 |
|                                                                                                                                |                                                                                       | 15285-087  | 3.20    | 1.10    | 11 |
|                                                                                                                                |                                                                                       | 15285-088  | 3.00    | 1.00    | 11 |
|                                                                                                                                |                                                                                       | 15285-089  | 2.80    | 0.90    | 11 |
|                                                                                                                                |                                                                                       | 15285-090  | 2.40    | 0.80    | 11 |
|                                                                                                                                |                                                                                       | 15285-091  | 2.00    | 0.70    | 11 |
|                                                                                                                                |                                                                                       | 15285-092  | 1.80    | 0.60    | 11 |
|                                                                                                                                |                                                                                       | 15285-093  | 1.60    | 0.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-094  | 1.40    | 0.40    | 11 |
| Rivoir en acier argent, ellipse,<br>percé<br><i>Punze aus Silberstahl, ellipse,<br/>gebohrt</i>                                |  | 15285-095  | 4.00    | 1.50    | 11 |
|                                                                                                                                |                                                                                       | 15285-097  | 2.50    | 1.10    | 11 |

|                                                                                                                                                       |                                                                                     |            |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                                                                                       |                                                                                     |            | mm                                                                                | mm                                                                                | g                                                                                 |
| Rivoir en acier argent, rond, percé<br><i>Punze aus Silberstahl, rund, gebohrt</i>                                                                    |    | 15285-099  | 4.50                                                                              | 2.20                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-100  | 4.00                                                                              | 2.00                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-101  | 3.70                                                                              | 1.70                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-102  | 3.30                                                                              | 1.50                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-102A | 3.10                                                                              | 1.30                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-103  | 3.00                                                                              | 1.20                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-103A | 2.85                                                                              | 1.10                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-104  | 2.70                                                                              | 1.00                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-104A | 2.50                                                                              | 0.90                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-105  | 2.30                                                                              | 0.80                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-106  | 2.00                                                                              | 0.70                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-107  | 1.70                                                                              | 0.60                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-108  | 1.50                                                                              | 0.50                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-109  | 1.20                                                                              | 0.40                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-110  | 1.00                                                                              | 0.30                                                                              | 11                                                                                |
| Rivoir en acier argent, à chasser les vis et les tiges cassées<br><i>Punze aus Silberstahl, zum Austreiben von abgebrochenen Schrauben und Stäben</i> |    | 15285-111  | 1.50                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-112  | 1.20                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-113  | 1.00                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-114  | 0.90                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-115  | 0.80                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-116  | 0.70                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-117  | 0.60                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-118  | 0.50                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-118A | 0.45                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     |            |                                                                                   |                                                                                   |                                                                                   |
| Rivoir en acier argent, concave et percé avec fraisure<br><i>Punze aus Silberstahl, ausgehöhlt und gebohrt mit Ausfräsung</i>                         |  | 15285-119  | 3.50                                                                              | 1.20                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-120  | 3.20                                                                              | 1.10                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-121  | 3.00                                                                              | 1.00                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-123  | 2.40                                                                              | 0.80                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-125  | 1.80                                                                              | 0.60                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-126  | 1.40                                                                              | 0.40                                                                              | 11                                                                                |
| Rivoir en acier argent, pointu, percé<br><i>Punze aus Silberstahl, spitz und gebohrt</i>                                                              |  | 15285-127  | 2.30                                                                              | 1.90                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-128  | 2.10                                                                              | 1.70                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-129  | 1.90                                                                              | 1.50                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-130  | 1.60                                                                              | 1.20                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-130A | 1.50                                                                              | 1.10                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-131  | 1.40                                                                              | 1.00                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-131A | 1.30                                                                              | 0.90                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-132  | 1.20                                                                              | 0.80                                                                              | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-132A | 1.10                                                                              | 0.70                                                                              | 11                                                                                |
| Rivoir en acier argent, triangulaire<br><i>Punze aus Silberstahl, dreieckig</i>                                                                       |  | 15285-133  | 3.20                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-134  | 2.20                                                                              |                                                                                   | 11                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-135  | 1.20                                                                              |                                                                                   | 11                                                                                |
| Rivoir en acier argent, plat, percé, fendu en X<br><i>Punze aus Silberstahl, flach, gebohrt, X-förmig geschlitzt</i>                                  |  | 15285-136  | 3.00                                                                              | 1.20                                                                              | 11                                                                                |
| Rivoir en laiton, plat<br><i>Punze aus Messing, flach</i>                                                                                             |  | 15285-139  | 4.00                                                                              |                                                                                   | 12                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-140  | 3.00                                                                              |                                                                                   | 12                                                                                |
|                                                                                                                                                       |                                                                                     | 15285-141  | 1.70                                                                              |                                                                                   | 12                                                                                |

|                                                                                                                          |                                                                                       |           |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                          |                                                                                       |           | mm                                                                                  | mm                                                                                  | g                                                                                   |
| Rivoir en laiton, plat, percé<br><i>Punze aus Messing, flach, gebohrt</i>                                                |    | 15285-142 | 3.00                                                                                | 1.20                                                                                | 12                                                                                  |
|                                                                                                                          |                                                                                       | 15285-143 | 2.00                                                                                | 0.70                                                                                | 12                                                                                  |
|                                                                                                                          |                                                                                       | 15285-144 | 1.20                                                                                | 0.40                                                                                | 12                                                                                  |
|                                                                                                                          |                                                                                       |           |                                                                                     |                                                                                     |                                                                                     |
| Poussoir en acier argent, plat, percé<br><i>Presstempel aus Silberstahl, flach, gebohrt</i>                              |    | 15285-145 | 0.65                                                                                | 0.10                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-146 | 0.75                                                                                | 0.20                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-147 | 0.85                                                                                | 0.30                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-148 | 0.95                                                                                | 0.45                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-149 | 1.05                                                                                | 0.50                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-150 | 1.15                                                                                | 0.50                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-151 | 1.25                                                                                | 0.60                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-152 | 1.45                                                                                | 0.70                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-153 | 1.75                                                                                | 0.80                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-154 | 1.95                                                                                | 1.00                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-155 | 2.55                                                                                | 1.20                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       | 15285-156 | 2.95                                                                                | 1.50                                                                                | 11                                                                                  |
|                                                                                                                          |                                                                                       |           |                                                                                     |                                                                                     |                                                                                     |
|                                                                                                                          |                                                                                       |           |                                                                                     |                                                                                     |                                                                                     |
| Tasseau en acier trempé, plat<br><i>Amboss aus gehärtetem Stahl, flach</i>                                               |    | 15285-T01 | 9.00                                                                                |                                                                                     | 5                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T02 | 4.50                                                                                |                                                                                     | 3                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T03 | 3.50                                                                                |                                                                                     | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T04 | 2.50                                                                                |                                                                                     | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T05 | 1.00                                                                                |                                                                                     | 2                                                                                   |
|                                                                                                                          |                                                                                       |           |                                                                                     |                                                                                     |                                                                                     |
| Tasseau en acier trempé, plat, percé<br><i>Amboss aus gehärtetem Stahl, flach, gebohrt</i>                               |   | 15285-T06 | 6.00                                                                                | 2.00                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T07 | 4.70                                                                                | 1.50                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T08 | 3.50                                                                                | 1.00                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T09 | 2.50                                                                                | 0.70                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T10 | 2.00                                                                                | 0.40                                                                                | 2                                                                                   |
| Tasseau en acier trempé, ellipse percé<br><i>Amboss aus gehärtetem Stahl, ellipse, gebohrt</i>                           |  | 15285-T11 | 4.70                                                                                | 1.25                                                                                | 3                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T12 | 3.50                                                                                | 1.00                                                                                | 2                                                                                   |
| Tasseau en acier trempé, bombé<br><i>Amboss aus gehärtetem Stahl, gewölbt</i>                                            |  | 15285-T13 | 4.50                                                                                |                                                                                     | 3                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T14 | 3.50                                                                                |                                                                                     | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T15 | 2.50                                                                                |                                                                                     | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T16 | 1.50                                                                                |                                                                                     | 1                                                                                   |
| Tasseau en acier trempé, concave, percé<br><i>Amboss aus gehärtetem Stahl, vertieft, ausgehöhlt, gebohrt</i>             |  | 15285-T17 | 9.00                                                                                | 2.00                                                                                | 5                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T18 | 6.00                                                                                | 1.50                                                                                | 4                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T19 | 4.70                                                                                | 2.00                                                                                | 3                                                                                   |
| Tasseau en acier trempé, creusé<br><i>Amboss aus gehärtetem Stahl, vertieft</i>                                          |  | 15285-T20 | 4.00                                                                                | 3.50                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T21 | 3.00                                                                                | 2.50                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T22 | 2.50                                                                                | 2.00                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T23 | 2.00                                                                                | 1.50                                                                                | 2                                                                                   |
| Tasseau en laiton, plat, percé<br><i>Amboss aus Messing, flach, gebohrt</i>                                              |  | 15285-T24 | 9.00                                                                                | 2.00                                                                                | 5                                                                                   |
| Tasseau en acier trempé, chasse-vis<br><i>Amboss aus gehärtetem Stahl, zum Ausschlagen von Schrauben</i>                 |  | 15285-T25 | 1.50                                                                                |                                                                                     | 2                                                                                   |
| Tasseau en acier trempé, chasse-vis, percé<br><i>Amboss aus gehärtetem Stahl, zum Ausschlagen von Schrauben, gebohrt</i> |  | 15285-T26 | 3.00                                                                                | 1.00                                                                                | 2                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T27 | 4.00                                                                                | 1.80                                                                                | 3                                                                                   |
|                                                                                                                          |                                                                                       | 15285-T28 | 6.00                                                                                | 3.00                                                                                | 4                                                                                   |



| 15285-140 92 | 15285-93C | 15285-B | 15285-D |
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| NEW |  |  |
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|     | mm                                                                                | mm                                                                                |

|            |      |      |
|------------|------|------|
|            |      |      |
| 15285-068  | 3.30 | 1.50 |
|            |      |      |
| 15285-068A | 3.10 | 1.30 |
| 15285-069  | 3.00 | 1.20 |
| 15285-069A | 2.85 | 1.10 |
| 15285-070  | 2.70 | 1.00 |
| 15285-070A | 2.50 | 0.90 |
| 15285-071  | 2.30 | 0.80 |
|            |      |      |
| 15285-072  | 2.00 | 0.70 |
|            |      |      |
| 15285-073  | 1.70 | 0.60 |
|            |      |      |
| 15285-074  | 1.50 | 0.50 |
|            |      |      |
| 15285-075  | 1.20 | 0.40 |
|            |      |      |
| 15285-076  | 1.00 | 0.30 |
| 15285-077  | 4.50 | 1.50 |
| 15285-079  | 4.50 | 1.20 |
| 15285-081  | 4.50 | 1.00 |
| 15285-083  | 4.50 | 0.80 |
| 15285-084  | 4.50 | 0.70 |
| 15285-085  | 4.50 | 0.60 |
|            |      |      |
|            |      |      |
|            |      |      |
|            |      |      |
| 15285-086  | 3.50 | 1.20 |
| 15285-087  | 3.20 | 1.10 |
| 15285-088  | 3.00 | 1.00 |
| 15285-089  | 2.80 | 0.90 |
| 15285-090  | 2.40 | 0.80 |
| 15285-091  | 2.00 | 0.70 |
| 15285-092  | 1.80 | 0.60 |
| 15285-093  | 1.60 | 0.50 |
|            |      |      |
| 15285-094  | 1.40 | 0.40 |
| 15285-095  | 4.00 | 1.50 |
| 15285-097  | 2.50 | 1.10 |
|            |      |      |
| 15285-099  | 4.50 | 2.20 |
| 15285-100  | 4.00 | 2.00 |
| 15285-101  | 3.70 | 1.70 |
|            |      |      |
| 15285-102  | 3.30 | 1.50 |
|            |      |      |
| 15285-102A | 3.10 | 1.30 |
| 15285-103  | 3.00 | 1.20 |
| 15285-103A | 2.85 | 1.10 |
| 15285-104  | 2.70 | 1.00 |
|            |      |      |

| STAR |  |  |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      | mm                                                                                  | mm                                                                                  |

|               |      |      |
|---------------|------|------|
| 4765 NO 68    | 3.30 | 1.50 |
|               |      |      |
| 4765 NO 68 A  | 3.10 | 1.30 |
| 4765 NO 69    | 3.00 | 1.20 |
| 4765 NO 69 A  | 2.85 | 1.10 |
| 4765 NO 70    | 2.70 | 1.00 |
| 4765 NO 70 A  | 2.50 | 0.90 |
| 4765 NO 71    | 2.30 | 0.80 |
|               |      |      |
| 4765 NO 72    | 2.00 | 0.70 |
|               |      |      |
| 4765 NO 73    | 1.70 | 0.60 |
|               |      |      |
| 4765 NO 74    | 1.50 | 0.50 |
|               |      |      |
| 4765 NO 75    | 1.20 | 0.40 |
|               |      |      |
| 4765 NO 76    | 1.00 | 0.30 |
| 4765 NO 77    | 4.50 | 1.50 |
| 4765 NO 79    | 4.50 | 1.20 |
| 4765 NO 81    | 4.50 | 1.00 |
| 4765 NO 83    | 4.50 | 0.80 |
| 4765 NO 84    | 4.50 | 0.70 |
| 4765 NO 85    | 4.50 | 0.60 |
|               |      |      |
|               |      |      |
|               |      |      |
| 4765 NO 86    | 3.50 | 1.20 |
| 4765 NO 87    | 3.20 | 1.10 |
| 4765 NO 88    | 3.00 | 1.00 |
| 4765 NO 89    | 2.80 | 0.90 |
| 4765 NO 90    | 2.40 | 0.80 |
| 4765 NO 91    | 2.00 | 0.70 |
| 4765 NO 92    | 1.80 | 0.60 |
| 4765 NO 93    | 1.60 | 0.50 |
|               |      |      |
| 4765 NO 94    | 1.40 | 0.40 |
| 4765 NO 95    | 4.00 | 1.50 |
| 4765 NO 97    | 2.50 | 1.10 |
|               |      |      |
| 4765 NO 99    | 4.50 | 2.20 |
| 4765 NO 100   | 4.00 | 2.00 |
| 4765 NO 101   | 3.70 | 1.70 |
|               |      |      |
| 4765 NO 102   | 3.30 | 1.50 |
|               |      |      |
| 4765 NO 102 A | 3.10 | 1.30 |
| 4765 NO 103   | 3.00 | 1.20 |
| 4765 NO 103 A | 2.85 | 1.10 |
| 4765 NO 104   | 2.70 | 1.00 |
|               |      |      |

| Old BERGEON |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             | mm                                                                                  | mm                                                                                  |

|          |      |      |
|----------|------|------|
| 5285-218 | 2.60 | 1.60 |
| 5285-217 | 2.50 | 1.50 |
| 5285-216 | 2.40 | 1.40 |
| 5285-215 | 2.30 | 1.30 |
| 5285-214 | 2.20 | 1.20 |
| 5285-213 | 2.10 | 1.10 |
| 5285-212 | 2.00 | 1.00 |
| 5285-211 | 1.90 | 0.90 |
| 5285-210 | 1.80 | 0.80 |
| 5285-209 | 1.75 | 0.75 |
| 5285-208 | 1.70 | 0.70 |
| 5285-207 | 1.65 | 0.65 |
| 5285-206 | 1.60 | 0.60 |
| 5285-205 | 1.55 | 0.55 |
| 5285-204 | 1.50 | 0.50 |
| 5285-203 | 1.45 | 0.45 |
| 5285-202 | 1.40 | 0.40 |
| 5285-201 | 1.35 | 0.35 |
| 5285-200 | 1.30 | 0.30 |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-247 | 4.00 | 2.00 |
| 5285-246 | 3.80 | 1.80 |
| 5285-245 | 3.70 | 1.60 |
| 5285-244 | 3.60 | 1.40 |
| 5285-243 | 3.40 | 1.20 |
|          |      |      |
| 5285-242 | 3.20 | 1.00 |
| 5285-241 | 3.00 | 0.90 |
| 5285-240 | 2.80 | 0.80 |
| 5285-239 | 2.60 | 0.70 |
| 5285-238 | 2.40 | 0.60 |
| 5285-237 | 2.20 | 0.50 |
| 5285-236 | 2.10 | 0.45 |
| 5285-235 | 2.00 | 0.40 |
|          |      |      |
|          |      |      |
| 5285-272 | 3.50 | 2.50 |
| 5285-271 | 3.20 | 2.20 |
| 5285-270 | 3.00 | 2.00 |
| 5285-268 | 2.60 | 1.60 |
| 5285-269 | 2.80 | 1.80 |
| 5285-267 | 2.50 | 1.50 |
| 5285-266 | 2.40 | 1.40 |
| 5285-265 | 2.30 | 1.30 |
| 5285-264 | 2.20 | 1.20 |
| 5285-263 | 2.10 | 1.10 |
| 5285-262 | 2.00 | 1.00 |
| 5285-261 | 1.95 | 0.95 |

[illegible]

|            |      |      |
|------------|------|------|
| 15285-104A | 2.50 | 0.90 |
|            |      |      |
| 15285-105  | 2.30 | 0.80 |
|            |      |      |
| 15285-106  | 2.00 | 0.70 |
|            |      |      |
| 15285-107  | 1.70 | 0.60 |
|            |      |      |
| 15285-108  | 1.50 | 0.50 |
|            |      |      |
| 15285-109  | 1.20 | 0.40 |
|            |      |      |
| 15285-110  | 1.00 | 0.30 |
| 15285-111  | 1.50 |      |
| 15285-112  | 1.20 |      |
| 15285-113  | 1.00 |      |
| 15285-114  | 0.90 |      |
| 15285-115  | 0.80 |      |
| 15285-116  | 0.70 |      |
| 15285-117  | 0.60 |      |
| 15285-118  | 0.50 |      |
| 15285-118A | 0.45 |      |
|            |      |      |
| 15285-119  | 3.50 | 1.20 |
| 15285-120  | 3.20 | 1.10 |
| 15285-121  | 3.00 | 1.00 |
| 15285-123  | 2.40 | 0.80 |
| 15285-125  | 1.80 | 0.60 |
| 15285-126  | 1.40 | 0.40 |
| 15285-127  | 2.30 | 1.90 |
| 15285-128  | 2.10 | 1.70 |
| 15285-129  | 1.90 | 1.50 |
| 15285-130  | 1.60 | 1.20 |
| 15285-130A | 1.50 | 1.10 |
| 15285-131  | 1.40 | 1.00 |
| 15285-131A | 1.30 | 0.90 |
|            |      |      |
|            |      |      |
|            |      |      |
|            |      |      |
| 15285-132  | 1.20 | 0.80 |
| 15285-132A | 1.10 | 0.70 |
| 15285-133  | 3.20 |      |
| 15285-134  | 2.20 |      |
| 15285-135  | 1.20 |      |
| 15285-136  | 3.00 | 1.20 |
| 15285-139  | 4.00 |      |
| 15285-140  | 3.00 |      |
| 15285-141  | 1.70 |      |
| 15285-142  | 3.00 | 1.20 |
| 15285-143  | 2.00 | 0.70 |
| 15285-144  | 1.20 | 0.40 |

|               |      |      |
|---------------|------|------|
| 4765 NO 104 A | 2.50 | 0.90 |
|               |      |      |
| 4765 NO 105   | 2.30 | 0.80 |
|               |      |      |
| 4765 NO 106   | 2.00 | 0.70 |
|               |      |      |
| 4765 NO 107   | 1.70 | 0.60 |
|               |      |      |
| 4765 NO 108   | 1.50 | 0.50 |
|               |      |      |
| 4765 NO 109   | 1.20 | 0.40 |
|               |      |      |
| 4765 NO 110   | 1.00 | 0.30 |
| 4765 NO 111   | 1.50 |      |
| 4765 NO 112   | 1.20 |      |
| 4765 NO 113   | 1.00 |      |
| 4765 NO 114   | 0.90 |      |
| 4765 NO 115   | 0.80 |      |
| 4765 NO 116   | 0.70 |      |
| 4765 NO 117   | 0.60 |      |
| 4765 NO 118   | 0.50 |      |
| 4765 NO 118 A | 0.45 |      |
|               |      |      |
| 4765 NO 119   | 3.50 | 1.20 |
| 4765 NO 120   | 3.20 | 1.10 |
| 4765 NO 121   | 3.00 | 1.00 |
| 4765 NO 123   | 2.40 | 0.80 |
| 4765 NO 125   | 1.80 | 0.60 |
| 4765 NO 126   | 1.40 | 0.40 |
| 4765 NO 127   | 2.30 | 1.90 |
| 4765 NO 128   | 2.10 | 1.70 |
| 4765 NO 129   | 1.90 | 1.50 |
| 4765 NO 130   | 1.60 | 1.20 |
| 4765 NO 130 A | 1.50 | 1.10 |
| 4765 NO 131   | 1.40 | 1.00 |
| 4765 NO 131 A | 1.30 | 0.90 |
|               |      |      |
|               |      |      |
|               |      |      |
|               |      |      |
| 4765 NO 132   | 1.20 | 0.80 |
| 4765 NO 132 A | 1.10 | 0.70 |
| 4765 NO 133   | 3.20 |      |
| 4765 NO 134   | 2.20 |      |
| 4765 NO 135   | 1.20 |      |
| 4765 NO 136   | 3.00 | 1.20 |
| 4765 NO 139   | 4.00 |      |
| 4765 NO 140   | 3.00 |      |
| 4765 NO 141   | 1.70 |      |
| 4765 NO 142   | 3.00 | 1.20 |
| 4765 NO 143   | 2.00 | 0.70 |
| 4765 NO 144   | 1.20 | 0.40 |

[illegible]

| 15285-140.92 | 15285-93C | 15285-B | 15285-D |
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| NEW |  |  |
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|     | mm                                                                                | mm                                                                                |

|           |      |      |
|-----------|------|------|
| 15285-145 | 0.65 | 0.10 |
| 15285-146 | 0.75 | 0.20 |
| 15285-147 | 0.85 | 0.30 |
| 15285-148 | 0.95 | 0.45 |
| 15285-149 | 1.05 | 0.50 |
| 15285-150 | 1.15 | 0.50 |
| 15285-151 | 1.25 | 0.60 |
| 15285-152 | 1.45 | 0.70 |
| 15285-153 | 1.75 | 0.80 |
| 15285-154 | 1.95 | 1.00 |
| 15285-155 | 2.55 | 1.20 |
| 15285-156 | 2.95 | 1.50 |

|           |      |      |
|-----------|------|------|
| 15285-T01 | 9.00 |      |
|           |      |      |
|           |      |      |
| 15285-T02 | 4.50 |      |
| 15285-T03 | 3.50 |      |
| 15285-T04 | 2.50 |      |
| 15285-T05 | 1.00 |      |
|           |      |      |
|           |      |      |
| 15285-T06 | 6.00 | 2.00 |
| 15285-T07 | 4.70 | 1.50 |
| 15285-T08 | 3.50 | 1.00 |
| 15285-T09 | 2.50 | 0.70 |
| 15285-T10 | 2.00 | 0.40 |
| 15285-T11 | 4.70 | 1.25 |
| 15285-T12 | 3.50 | 1.00 |
|           |      |      |
| 15285-T13 | 4.50 |      |
| 15285-T14 | 3.50 |      |
| 15285-T15 | 2.50 |      |
| 15285-T16 | 1.50 |      |
| 15285-T17 | 9.00 | 2.00 |
| 15285-T18 | 6.00 | 1.50 |
| 15285-T19 | 4.70 | 2.00 |
|           |      |      |
| 15285-T20 | 4.00 | 3.50 |
| 15285-T21 | 3.00 | 2.50 |
| 15285-T22 | 2.50 | 2.00 |
| 15285-T23 | 2.00 | 1.50 |
|           |      |      |
|           |      |      |
| 15285-T24 | 9.00 | 2.00 |
| 15285-T25 | 1.50 |      |
| 15285-T26 | 3.00 | 1.00 |
| 15285-T27 | 4.00 | 1.80 |
| 15285-T28 | 6.00 | 3.00 |

| STAR |  |  |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      | mm                                                                                  | mm                                                                                  |

|              |      |      |
|--------------|------|------|
| 4765-PP-0.65 | 0.65 | 0.10 |
| 4765-PP-0.75 | 0.75 | 0.20 |
| 4765-PP-0.85 | 0.85 | 0.30 |
| 4765-PP-0.95 | 0.95 | 0.45 |
| 4765-PP-1.05 | 1.05 | 0.50 |
| 4765-PP-1.15 | 1.15 | 0.50 |
| 4765-PP-1.25 | 1.25 | 0.60 |
| 4765-PP-1.45 | 1.45 | 0.70 |
| 4765-PP-1.75 | 1.75 | 0.80 |
| 4765-PP-1.95 | 1.95 | 1.00 |
| 4765-PP-2.55 | 2.55 | 1.20 |
| 4765-PP-2.95 | 2.95 | 1.50 |

|            |      |      |
|------------|------|------|
| 4765 NO 1  | 9.00 |      |
|            |      |      |
|            |      |      |
| 4765 NO 2  | 4.50 |      |
| 4765 NO 3  | 3.50 |      |
| 4765 NO 4  | 2.50 |      |
| 4765 NO 5  | 1.00 |      |
|            |      |      |
|            |      |      |
| 4765 NO 6  | 6.00 | 2.00 |
| 4765 NO 7  | 4.70 | 1.50 |
| 4765 NO 8  | 3.50 | 1.00 |
| 4765 NO 9  | 2.50 | 0.70 |
| 4765 NO 10 | 2.00 | 0.40 |
| 4765 NO 11 | 4.70 | 1.25 |
| 4765 NO 12 | 3.50 | 1.00 |
|            |      |      |
| 4765 NO 13 | 4.50 |      |
| 4765 NO 14 | 3.50 |      |
| 4765 NO 15 | 2.50 |      |
| 4765 NO 16 | 1.50 |      |
| 4765 NO 17 | 9.00 | 2.00 |
| 4765 NO 18 | 6.00 | 1.50 |
| 4765 NO 19 | 4.70 | 2.00 |
|            |      |      |
| 4765 NO 20 | 4.00 | 3.50 |
| 4765 NO 21 | 3.00 | 2.50 |
| 4765 NO 22 | 2.50 | 2.00 |
| 4765 NO 23 | 2.00 | 1.50 |
|            |      |      |
|            |      |      |
| 4765 NO 24 | 9.00 | 2.00 |
| 4765 NO 25 | 1.50 |      |
| 4765 NO 26 | 3.00 | 1.00 |
| 4765 NO 27 | 4.00 | 1.80 |
| 4765 NO 28 | 6.00 | 3.00 |

| Old BERGEON |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             | mm                                                                                  | mm                                                                                  |

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|----------|------|------|
| 5285-305 | 9.00 |      |
| 5285-304 | 7.00 |      |
| 5285-303 | 5.00 |      |
| 5285-303 | 5.00 |      |
| 5285-302 | 4.00 |      |
| 5285-301 | 3.00 |      |
| 5285-300 | 2.00 |      |
| 5285-310 | 7.50 | 3.50 |
| 5285-309 | 5.00 | 3.00 |
| 5285-308 | 4.00 | 2.00 |
| 5285-307 | 3.00 | 1.50 |
| 5285-306 | 2.00 | 1.00 |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-313 | 7.00 | 1.80 |
| 5285-312 | 5.00 |      |
| 5285-311 | 3.00 |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-316 | 7.00 |      |
| 5285-315 | 5.00 | ??   |
| 5285-314 | 3.00 | ??   |
|          |      |      |
|          |      |      |
| 5285-317 | 6.00 | 3.00 |
| 5285-318 | 5.00 |      |
| 5285-319 | 7.00 | 2.00 |
|          |      |      |
|          |      |      |
| 5285-306 | 2.00 | 1.00 |
| 5285-308 | 4.00 | 2.00 |
| 5285-309 | 5.00 | 3.00 |

- + 15 alésoirs 30522-A (Ø 0.69 - 2.99 mm), 2 fraises aux doigts 30006 (Ø 2 et 4 mm), 6 poussoirs à pompe 30523-1 (Ø 0.65 - 2.55 mm) et une broche 30006-B.
- + 15 Reibahlen 30522-A (Ø 0.69 - 2.99 mm), 2 Senker zum Entgraten 30006 (Ø 2 et 4 mm), 6 federnde Presstempel 30523-1 (Ø 0.65 - 2.55 mm) und 1 Brosche 30006-B.



**15285-**

SWISS MADE 



**STAR**



### Staking tools and friction jewellery outfit, in a case

Guiding canon Ø 4.7 mm. All punches and stakes are fitted in the case, each punch is numbered.

- **15285-B:** Staking tool, made of die-cast alloy, with 50 punches and 10 stakes, without base.
- **15285-D:** Staking tool, made of die-cast alloy, with 100 punches and 20 stakes, with base.
- **15285-93C:** STAR Staking tool and friction jewellery outfit, made of machined cast alloy, with 120 punches and 24 stakes, with base.
- **15285-140.92:** STAR Staking tool and friction jewellery outfit, made of machined cast alloy, with 105 punches, 12 pushers and 25 stakes, with base.

### Máquina dremachadora y a embutir, en una maleta

Tubo de guía Ø 4.7 mm. Todos los punzones y tases estan colocados en una maleta, cada punzón lleva un número.

- **15285-B:** Máquina remachadora, de fundición inyectada, con 50 punzones y 10 táses, sin zócalo.
- **15285-D:** Máquina remachadora, de fundición inyectada, con 100 punzones y 20 táses, con zócalo.
- **15285-93C:** Máquina remachadora y a embutir STAR, de fundición mecanizado, con 120 punzones y 24 táses, con zócalo.
- **15285-140.92:** Máquina remachadora y a embutir STAR, de fundición mecanizado, con 105 punzones, 12 punzones y 25 táses, con zócalo.

## Punches, pushers and stake for staking tool 15285

They are also suitable for other staking tools, including the STAR riveting tools.

Shank: Ø 4.7 mm / length 86 mm

## Punzones, pulsadores y táses para prensas remachadoras 15285

También son adecuados para otras prensas remachadoras, incluidos las remachadoras STAR.

Eje: Ø 4,7 mm / longitud 86 mm

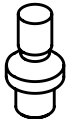
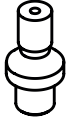
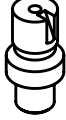
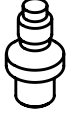
## 15285-...

SWISS MADE 

|                                                                                                                                      |                                                                                     |                  | Ø    | Ø    | g  |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|------|------|----|
|                                                                                                                                      |                                                                                     |                  | mm   | mm   |    |
| Silver steel punch,<br>to centre<br><i>Punzón de acero plateado,<br/>para centrar</i>                                                |    | <b>15285-001</b> | 4.70 |      | 11 |
| Silver steel punch,<br>to widen the balance's arms<br><i>Punzón de acero plateado,<br/>para los brazos de volantes</i>               |   | <b>15285-016</b> |      |      | 11 |
| Silver steel punch,<br>to extend the balance's arms<br><i>Punzón de acero plateado,<br/>para extender los brazos de<br/>volantes</i> |  | <b>15285-019</b> |      |      | 11 |
| Silver steel punch, flat<br><i>Punzón de acero plateado,<br/>plano</i>                                                               |  | <b>15285-023</b> | 4.50 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-024</b> | 4.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-025</b> | 3.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-026</b> | 3.30 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-027</b> | 3.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-028</b> | 2.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-029</b> | 2.30 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-030</b> | 2.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-031</b> | 1.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-032</b> | 1.50 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-033</b> | 1.20 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-034</b> | 1.00 |      | 11 |
| Silver steel punch, round<br><i>Punzón de acero plateado,<br/>redondo</i>                                                            |  | <b>15285-035</b> | 4.50 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-036</b> | 4.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-037</b> | 3.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-038</b> | 3.30 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-039</b> | 3.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-040</b> | 2.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-041</b> | 2.30 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-042</b> | 2.00 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-043</b> | 1.70 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-044</b> | 1.50 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-045</b> | 1.20 |      | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-046</b> | 1.00 |      | 11 |
| Silver steel punch, drilled,<br>turned cross hole<br><i>Punzón de acero plateado,<br/>agujerado, agujero en cruz<br/>torneado</i>    |  | <b>15285-047</b> | 2.80 | 1.20 | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-048</b> | 2.50 | 1.00 | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-049</b> | 2.20 | 0.80 | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-050</b> | 1.80 | 0.60 | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-051</b> | 1.50 | 0.50 | 11 |
|                                                                                                                                      |                                                                                     | <b>15285-052</b> | 1.20 | 0.40 | 11 |

|                                                                                                                                      |                                                                                       |                   | Ø    | Ø    | g  |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|------|------|----|
|                                                                                                                                      |                                                                                       |                   | mm   | mm   |    |
| Silver steel punch, drilled,<br>inverted cross hole<br><i>Punzón de acero plateado,<br/>agujerado, agujero en cruz<br/>invertido</i> |    | <b>15285-053</b>  | 2.80 | 1.20 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-054</b>  | 2.50 | 1.00 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-055</b>  | 2.20 | 0.80 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-056</b>  | 1.80 | 0.60 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-057</b>  | 1.50 | 0.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-058</b>  | 1.20 | 0.40 | 11 |
| Silver steel punch, flat, drilled<br><i>Punzón de acero plateado,<br/>plano, agujerado</i>                                           |   | <b>15285-065</b>  | 4.50 | 2.20 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-066</b>  | 4.00 | 2.00 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-067</b>  | 3.70 | 1.70 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-068</b>  | 3.30 | 1.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-068A</b> | 3.10 | 1.30 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-069</b>  | 3.00 | 1.20 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-069A</b> | 2.85 | 1.10 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-070</b>  | 2.70 | 1.00 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-070A</b> | 2.50 | 0.90 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-071</b>  | 2.30 | 0.80 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-072</b>  | 2.00 | 0.70 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-073</b>  | 1.70 | 0.60 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-074</b>  | 1.50 | 0.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-075</b>  | 1.20 | 0.40 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-076</b>  | 1.00 | 0.30 | 11 |
| Silver steel punch, center<br>wheelsdrilled<br><i>Punzón de acero plateado,<br/>ruedas de centro, agujerado</i>                      |  | <b>15285-077</b>  | 4.50 | 1.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-079</b>  | 4.50 | 1.20 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-081</b>  | 4.50 | 1.00 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-083</b>  | 4.50 | 0.80 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-084</b>  | 4.50 | 0.70 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-085</b>  | 4.50 | 0.60 | 11 |
| Silver steel punch, concave,<br>drilled<br><i>Punzón de acero plateado,<br/>cóncavo, agujerado</i>                                   |  | <b>15285-086</b>  | 3.50 | 1.20 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-087</b>  | 3.20 | 1.10 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-088</b>  | 3.00 | 1.00 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-089</b>  | 2.80 | 0.90 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-090</b>  | 2.40 | 0.80 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-091</b>  | 2.00 | 0.70 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-092</b>  | 1.80 | 0.60 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-093</b>  | 1.60 | 0.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-094</b>  | 1.40 | 0.40 | 11 |
| Silver steel punch, ellipse,<br>drilled<br><i>Punzón de acero plateado,<br/>elipse, agujerado</i>                                    |  | <b>15285-095</b>  | 4.00 | 1.50 | 11 |
|                                                                                                                                      |                                                                                       | <b>15285-097</b>  | 2.50 | 1.10 | 11 |

|                                                                                                                                          |                                                                                     |            | Ø<br>mm | Ø<br>mm | g  |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|---------|---------|----|
| Silver steel punch, round, drilled<br><i>Punzón de acero plateado, redondo, agujero</i>                                                  |    | 15285-099  | 4.50    | 2.20    | 11 |
|                                                                                                                                          |                                                                                     | 15285-100  | 4.00    | 2.00    | 11 |
|                                                                                                                                          |                                                                                     | 15285-101  | 3.70    | 1.70    | 11 |
|                                                                                                                                          |                                                                                     | 15285-102  | 3.30    | 1.50    | 11 |
|                                                                                                                                          |                                                                                     | 15285-102A | 3.10    | 1.30    | 11 |
|                                                                                                                                          |                                                                                     | 15285-103  | 3.00    | 1.20    | 11 |
|                                                                                                                                          |                                                                                     | 15285-103A | 2.85    | 1.10    | 11 |
|                                                                                                                                          |                                                                                     | 15285-104  | 2.70    | 1.00    | 11 |
|                                                                                                                                          |                                                                                     | 15285-104A | 2.50    | 0.90    | 11 |
|                                                                                                                                          |                                                                                     | 15285-105  | 2.30    | 0.80    | 11 |
|                                                                                                                                          |                                                                                     | 15285-106  | 2.00    | 0.70    | 11 |
|                                                                                                                                          |                                                                                     | 15285-107  | 1.70    | 0.60    | 11 |
|                                                                                                                                          |                                                                                     | 15285-108  | 1.50    | 0.50    | 11 |
|                                                                                                                                          |                                                                                     | 15285-109  | 1.20    | 0.40    | 11 |
| Silver steel punch, Stake, to drive out broken screws and rods<br><i>Punzón de acero plateado, para sacar tornillos y varillas rotas</i> |    | 15285-111  | 1.50    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-112  | 1.20    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-113  | 1.00    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-114  | 0.90    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-115  | 0.80    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-116  | 0.70    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-117  | 0.60    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-118  | 0.50    |         | 11 |
| Silver steel punch, hollowed and drilled with countersink<br><i>Punzón de acero plateado, vaciado y agujero con avellanador</i>          |  | 15285-119  | 3.50    | 1.20    | 11 |
|                                                                                                                                          |                                                                                     | 15285-120  | 3.20    | 1.10    | 11 |
|                                                                                                                                          |                                                                                     | 15285-121  | 3.00    | 1.00    | 11 |
|                                                                                                                                          |                                                                                     | 15285-123  | 2.40    | 0.80    | 11 |
|                                                                                                                                          |                                                                                     | 15285-125  | 1.80    | 0.60    | 11 |
|                                                                                                                                          |                                                                                     | 15285-126  | 1.40    | 0.40    | 11 |
| Silver steel punch, pointed, drilled<br><i>Punzón de acero plateado, puntiagudo, agujero</i>                                             |  | 15285-127  | 2.30    | 1.90    | 11 |
|                                                                                                                                          |                                                                                     | 15285-128  | 2.10    | 1.70    | 11 |
|                                                                                                                                          |                                                                                     | 15285-129  | 1.90    | 1.50    | 11 |
|                                                                                                                                          |                                                                                     | 15285-130  | 1.60    | 1.20    | 11 |
|                                                                                                                                          |                                                                                     | 15285-130A | 1.50    | 1.10    | 11 |
|                                                                                                                                          |                                                                                     | 15285-131  | 1.40    | 1.00    | 11 |
|                                                                                                                                          |                                                                                     | 15285-131A | 1.30    | 0.90    | 11 |
|                                                                                                                                          |                                                                                     | 15285-132  | 1.20    | 0.80    | 11 |
| Silver steel punch, triangular<br><i>Punzón de acero plateado, triangular</i>                                                            |  | 15285-133  | 3.20    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-134  | 2.20    |         | 11 |
|                                                                                                                                          |                                                                                     | 15285-135  | 1.20    |         | 11 |
| Silver steel punch, flat, drilled, X-slit<br><i>Punzón de acero plateado, agujero, plano, ranura en X</i>                                |  | 15285-136  | 3.00    | 1.20    | 11 |
|                                                                                                                                          |                                                                                     |            |         |         |    |
| Brass punch, flat<br><i>Punzón de latón, plano</i>                                                                                       |  | 15285-139  | 4.00    |         | 12 |
|                                                                                                                                          |                                                                                     | 15285-140  | 3.00    |         | 12 |
|                                                                                                                                          |                                                                                     | 15285-141  | 1.70    |         | 12 |

|                                                                                                                           |                                                                                       |           | Ø<br>mm | Ø<br>mm | g  |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|---------|---------|----|
| Brass punch, flat, drilled<br><i>Punzón de latón, plano, agujero</i>                                                      |    | 15285-142 | 3.00    | 1.20    | 12 |
|                                                                                                                           |                                                                                       | 15285-143 | 2.00    | 0.70    | 12 |
|                                                                                                                           |                                                                                       | 15285-144 | 1.20    | 0.40    | 12 |
|                                                                                                                           |                                                                                       |           |         |         |    |
| Silver steel pusher, flat, drilled<br><i>Pulsadore de acero plateado, plano, agujero</i>                                  |    | 15285-145 | 0.65    | 0.10    | 11 |
|                                                                                                                           |                                                                                       | 15285-146 | 0.75    | 0.20    | 11 |
|                                                                                                                           |                                                                                       | 15285-147 | 0.85    | 0.30    | 11 |
|                                                                                                                           |                                                                                       | 15285-148 | 0.95    | 0.45    | 11 |
|                                                                                                                           |                                                                                       | 15285-149 | 1.05    | 0.50    | 11 |
|                                                                                                                           |                                                                                       | 15285-150 | 1.15    | 0.50    | 11 |
|                                                                                                                           |                                                                                       | 15285-151 | 1.25    | 0.60    | 11 |
|                                                                                                                           |                                                                                       | 15285-152 | 1.45    | 0.70    | 11 |
|                                                                                                                           |                                                                                       | 15285-153 | 1.75    | 0.80    | 11 |
|                                                                                                                           |                                                                                       | 15285-154 | 1.95    | 1.00    | 11 |
|                                                                                                                           |                                                                                       | 15285-155 | 2.55    | 1.20    | 11 |
|                                                                                                                           |                                                                                       | 15285-156 | 2.95    | 1.50    | 11 |
|                                                                                                                           |                                                                                       |           |         |         |    |
|                                                                                                                           |                                                                                       |           |         |         |    |
| Hardenened steel stake, flat<br><i>Tás de acero endurecido, plano</i>                                                     |    | 15285-T01 | 9.00    |         | 5  |
|                                                                                                                           |                                                                                       | 15285-T02 | 4.50    |         | 3  |
|                                                                                                                           |                                                                                       | 15285-T03 | 3.50    |         | 2  |
|                                                                                                                           |                                                                                       | 15285-T04 | 2.50    |         | 2  |
|                                                                                                                           |                                                                                       | 15285-T05 | 1.00    |         | 2  |
| Hardenened steel stake, flat, drilled<br><i>Tás de acero endurecido, plano, agujero</i>                                   |  | 15285-T06 | 6.00    | 2.00    | 2  |
|                                                                                                                           |                                                                                       | 15285-T07 | 4.70    | 1.50    | 2  |
|                                                                                                                           |                                                                                       | 15285-T08 | 3.50    | 1.00    | 2  |
|                                                                                                                           |                                                                                       | 15285-T09 | 2.50    | 0.70    | 2  |
|                                                                                                                           |                                                                                       | 15285-T10 | 2.00    | 0.40    | 2  |
| Hardenened steel stake, elliptical, drilled<br><i>Tás de acero endurecido, elíptico, agujero</i>                          |  | 15285-T11 | 4.70    | 1.25    | 3  |
|                                                                                                                           |                                                                                       | 15285-T12 | 3.50    | 1.00    | 2  |
| Hardenened steel stake, domed<br><i>Tás de acero endurecido, bombeado</i>                                                 |  | 15285-T13 | 4.50    |         | 3  |
|                                                                                                                           |                                                                                       | 15285-T14 | 3.50    |         | 2  |
|                                                                                                                           |                                                                                       | 15285-T15 | 2.50    |         | 2  |
|                                                                                                                           |                                                                                       | 15285-T16 | 1.50    |         | 1  |
| ake made of hardened steel, curved, hollowed and drill<br><i>Tás de acero endurecido, hueco, vaciado y agujero</i>        |  | 15285-T17 | 9.00    | 2.00    | 5  |
|                                                                                                                           |                                                                                       | 15285-T18 | 6.00    | 1.50    | 4  |
|                                                                                                                           |                                                                                       | 15285-T19 | 4.70    | 2.00    | 3  |
| Hardenened steel stake, curved<br><i>Tás de acero endurecido, hueco</i>                                                   |  | 15285-T20 | 4.00    | 3.50    | 2  |
|                                                                                                                           |                                                                                       | 15285-T21 | 3.00    | 2.50    | 2  |
|                                                                                                                           |                                                                                       | 15285-T22 | 2.50    | 2.00    | 2  |
|                                                                                                                           |                                                                                       | 15285-T23 | 2.00    | 1.50    | 2  |
| Brass stake, flat, drilled<br><i>Tás de latón, plano, agujero</i>                                                         |  | 15285-T24 | 9.00    | 2.00    | 5  |
| Hardenened steel stake, for removing screws<br><i>Tás de acero endurecido, para sacar los tornillos</i>                   |  | 15285-T25 | 1.50    |         | 2  |
|                                                                                                                           |                                                                                       |           |         |         |    |
| Hardenened steel stake, for removing screws, drilled<br><i>Tás de acero endurecido, para sacar los tornillos, agujero</i> |  | 15285-T26 | 3.00    | 1.00    | 2  |
|                                                                                                                           |                                                                                       | 15285-T27 | 4.00    | 1.80    | 3  |
|                                                                                                                           |                                                                                       | 15285-T28 | 6.00    | 3.00    | 4  |

EN / ES

| 15285-140 92 | 15285-93C | 15285-B | 15285-D |
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| NEW |  |  |
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|     | mm                                                                                | mm                                                                                |

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|------------|------|------|
|            |      |      |
| 15285-068  | 3.30 | 1.50 |
|            |      |      |
| 15285-068A | 3.10 | 1.30 |
| 15285-069  | 3.00 | 1.20 |
| 15285-069A | 2.85 | 1.10 |
| 15285-070  | 2.70 | 1.00 |
| 15285-070A | 2.50 | 0.90 |
| 15285-071  | 2.30 | 0.80 |
|            |      |      |
| 15285-072  | 2.00 | 0.70 |
|            |      |      |
| 15285-073  | 1.70 | 0.60 |
|            |      |      |
| 15285-074  | 1.50 | 0.50 |
|            |      |      |
| 15285-075  | 1.20 | 0.40 |
|            |      |      |
| 15285-076  | 1.00 | 0.30 |
| 15285-077  | 4.50 | 1.50 |
| 15285-079  | 4.50 | 1.20 |
| 15285-081  | 4.50 | 1.00 |
| 15285-083  | 4.50 | 0.80 |
| 15285-084  | 4.50 | 0.70 |
| 15285-085  | 4.50 | 0.60 |
|            |      |      |
|            |      |      |
|            |      |      |
|            |      |      |
| 15285-086  | 3.50 | 1.20 |
| 15285-087  | 3.20 | 1.10 |
| 15285-088  | 3.00 | 1.00 |
| 15285-089  | 2.80 | 0.90 |
| 15285-090  | 2.40 | 0.80 |
| 15285-091  | 2.00 | 0.70 |
| 15285-092  | 1.80 | 0.60 |
| 15285-093  | 1.60 | 0.50 |
|            |      |      |
| 15285-094  | 1.40 | 0.40 |
| 15285-095  | 4.00 | 1.50 |
| 15285-097  | 2.50 | 1.10 |
|            |      |      |
| 15285-099  | 4.50 | 2.20 |
| 15285-100  | 4.00 | 2.00 |
| 15285-101  | 3.70 | 1.70 |
|            |      |      |
| 15285-102  | 3.30 | 1.50 |
|            |      |      |
| 15285-102A | 3.10 | 1.30 |
| 15285-103  | 3.00 | 1.20 |
| 15285-103A | 2.85 | 1.10 |
| 15285-104  | 2.70 | 1.00 |
|            |      |      |

| STAR |  |  |
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|      | mm                                                                                  | mm                                                                                  |

|               |      |      |
|---------------|------|------|
| 4765 NO 68    | 3.30 | 1.50 |
|               |      |      |
| 4765 NO 68 A  | 3.10 | 1.30 |
| 4765 NO 69    | 3.00 | 1.20 |
| 4765 NO 69 A  | 2.85 | 1.10 |
| 4765 NO 70    | 2.70 | 1.00 |
| 4765 NO 70 A  | 2.50 | 0.90 |
| 4765 NO 71    | 2.30 | 0.80 |
|               |      |      |
| 4765 NO 72    | 2.00 | 0.70 |
|               |      |      |
| 4765 NO 73    | 1.70 | 0.60 |
|               |      |      |
| 4765 NO 74    | 1.50 | 0.50 |
|               |      |      |
| 4765 NO 75    | 1.20 | 0.40 |
|               |      |      |
| 4765 NO 76    | 1.00 | 0.30 |
| 4765 NO 77    | 4.50 | 1.50 |
| 4765 NO 79    | 4.50 | 1.20 |
| 4765 NO 81    | 4.50 | 1.00 |
| 4765 NO 83    | 4.50 | 0.80 |
| 4765 NO 84    | 4.50 | 0.70 |
| 4765 NO 85    | 4.50 | 0.60 |
|               |      |      |
|               |      |      |
|               |      |      |
| 4765 NO 86    | 3.50 | 1.20 |
| 4765 NO 87    | 3.20 | 1.10 |
| 4765 NO 88    | 3.00 | 1.00 |
| 4765 NO 89    | 2.80 | 0.90 |
| 4765 NO 90    | 2.40 | 0.80 |
| 4765 NO 91    | 2.00 | 0.70 |
| 4765 NO 92    | 1.80 | 0.60 |
| 4765 NO 93    | 1.60 | 0.50 |
|               |      |      |
| 4765 NO 94    | 1.40 | 0.40 |
| 4765 NO 95    | 4.00 | 1.50 |
| 4765 NO 97    | 2.50 | 1.10 |
|               |      |      |
| 4765 NO 99    | 4.50 | 2.20 |
| 4765 NO 100   | 4.00 | 2.00 |
| 4765 NO 101   | 3.70 | 1.70 |
|               |      |      |
| 4765 NO 102   | 3.30 | 1.50 |
|               |      |      |
| 4765 NO 102 A | 3.10 | 1.30 |
| 4765 NO 103   | 3.00 | 1.20 |
| 4765 NO 103 A | 2.85 | 1.10 |
| 4765 NO 104   | 2.70 | 1.00 |
|               |      |      |

| Old BERGEON |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             | mm                                                                                  | mm                                                                                  |

|          |      |      |
|----------|------|------|
| 5285-218 | 2.60 | 1.60 |
| 5285-217 | 2.50 | 1.50 |
| 5285-216 | 2.40 | 1.40 |
| 5285-215 | 2.30 | 1.30 |
| 5285-214 | 2.20 | 1.20 |
| 5285-213 | 2.10 | 1.10 |
| 5285-212 | 2.00 | 1.00 |
| 5285-211 | 1.90 | 0.90 |
| 5285-210 | 1.80 | 0.80 |
| 5285-209 | 1.75 | 0.75 |
| 5285-208 | 1.70 | 0.70 |
| 5285-207 | 1.65 | 0.65 |
| 5285-206 | 1.60 | 0.60 |
| 5285-205 | 1.55 | 0.55 |
| 5285-204 | 1.50 | 0.50 |
| 5285-203 | 1.45 | 0.45 |
| 5285-202 | 1.40 | 0.40 |
| 5285-201 | 1.35 | 0.35 |
| 5285-200 | 1.30 | 0.30 |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-247 | 4.00 | 2.00 |
| 5285-246 | 3.80 | 1.80 |
| 5285-245 | 3.70 | 1.60 |
| 5285-244 | 3.60 | 1.40 |
| 5285-243 | 3.40 | 1.20 |
|          |      |      |
| 5285-242 | 3.20 | 1.00 |
| 5285-241 | 3.00 | 0.90 |
| 5285-240 | 2.80 | 0.80 |
| 5285-239 | 2.60 | 0.70 |
| 5285-238 | 2.40 | 0.60 |
| 5285-237 | 2.20 | 0.50 |
| 5285-236 | 2.10 | 0.45 |
| 5285-235 | 2.00 | 0.40 |
|          |      |      |
|          |      |      |
| 5285-272 | 3.50 | 2.50 |
| 5285-271 | 3.20 | 2.20 |
| 5285-270 | 3.00 | 2.00 |
| 5285-268 | 2.60 | 1.60 |
| 5285-269 | 2.80 | 1.80 |
| 5285-267 | 2.50 | 1.50 |
| 5285-266 | 2.40 | 1.40 |
| 5285-265 | 2.30 | 1.30 |
| 5285-264 | 2.20 | 1.20 |
| 5285-263 | 2.10 | 1.10 |
| 5285-262 | 2.00 | 1.00 |
| 5285-261 | 1.95 | 0.95 |

[illegible]

|            |      |      |
|------------|------|------|
| 15285-104A | 2.50 | 0.90 |
|            |      |      |
| 15285-105  | 2.30 | 0.80 |
|            |      |      |
| 15285-106  | 2.00 | 0.70 |
|            |      |      |
| 15285-107  | 1.70 | 0.60 |
|            |      |      |
| 15285-108  | 1.50 | 0.50 |
|            |      |      |
| 15285-109  | 1.20 | 0.40 |
|            |      |      |
| 15285-110  | 1.00 | 0.30 |
| 15285-111  | 1.50 |      |
| 15285-112  | 1.20 |      |
| 15285-113  | 1.00 |      |
| 15285-114  | 0.90 |      |
| 15285-115  | 0.80 |      |
| 15285-116  | 0.70 |      |
| 15285-117  | 0.60 |      |
| 15285-118  | 0.50 |      |
| 15285-118A | 0.45 |      |
|            |      |      |
| 15285-119  | 3.50 | 1.20 |
| 15285-120  | 3.20 | 1.10 |
| 15285-121  | 3.00 | 1.00 |
| 15285-123  | 2.40 | 0.80 |
| 15285-125  | 1.80 | 0.60 |
| 15285-126  | 1.40 | 0.40 |
| 15285-127  | 2.30 | 1.90 |
| 15285-128  | 2.10 | 1.70 |
| 15285-129  | 1.90 | 1.50 |
| 15285-130  | 1.60 | 1.20 |
| 15285-130A | 1.50 | 1.10 |
| 15285-131  | 1.40 | 1.00 |
| 15285-131A | 1.30 | 0.90 |
|            |      |      |
|            |      |      |
|            |      |      |
|            |      |      |
| 15285-132  | 1.20 | 0.80 |
| 15285-132A | 1.10 | 0.70 |
| 15285-133  | 3.20 |      |
| 15285-134  | 2.20 |      |
| 15285-135  | 1.20 |      |
| 15285-136  | 3.00 | 1.20 |
| 15285-139  | 4.00 |      |
| 15285-140  | 3.00 |      |
| 15285-141  | 1.70 |      |
| 15285-142  | 3.00 | 1.20 |
| 15285-143  | 2.00 | 0.70 |
| 15285-144  | 1.20 | 0.40 |

|               |      |      |
|---------------|------|------|
| 4765 NO 104 A | 2.50 | 0.90 |
|               |      |      |
| 4765 NO 105   | 2.30 | 0.80 |
|               |      |      |
| 4765 NO 106   | 2.00 | 0.70 |
|               |      |      |
| 4765 NO 107   | 1.70 | 0.60 |
|               |      |      |
| 4765 NO 108   | 1.50 | 0.50 |
|               |      |      |
| 4765 NO 109   | 1.20 | 0.40 |
|               |      |      |
| 4765 NO 110   | 1.00 | 0.30 |
| 4765 NO 111   | 1.50 |      |
| 4765 NO 112   | 1.20 |      |
| 4765 NO 113   | 1.00 |      |
| 4765 NO 114   | 0.90 |      |
| 4765 NO 115   | 0.80 |      |
| 4765 NO 116   | 0.70 |      |
| 4765 NO 117   | 0.60 |      |
| 4765 NO 118   | 0.50 |      |
| 4765 NO 118 A | 0.45 |      |
|               |      |      |
| 4765 NO 119   | 3.50 | 1.20 |
| 4765 NO 120   | 3.20 | 1.10 |
| 4765 NO 121   | 3.00 | 1.00 |
| 4765 NO 123   | 2.40 | 0.80 |
| 4765 NO 125   | 1.80 | 0.60 |
| 4765 NO 126   | 1.40 | 0.40 |
| 4765 NO 127   | 2.30 | 1.90 |
| 4765 NO 128   | 2.10 | 1.70 |
| 4765 NO 129   | 1.90 | 1.50 |
| 4765 NO 130   | 1.60 | 1.20 |
| 4765 NO 130 A | 1.50 | 1.10 |
| 4765 NO 131   | 1.40 | 1.00 |
| 4765 NO 131 A | 1.30 | 0.90 |
|               |      |      |
|               |      |      |
|               |      |      |
|               |      |      |
| 4765 NO 132   | 1.20 | 0.80 |
| 4765 NO 132 A | 1.10 | 0.70 |
| 4765 NO 133   | 3.20 |      |
| 4765 NO 134   | 2.20 |      |
| 4765 NO 135   | 1.20 |      |
| 4765 NO 136   | 3.00 | 1.20 |
| 4765 NO 139   | 4.00 |      |
| 4765 NO 140   | 3.00 |      |
| 4765 NO 141   | 1.70 |      |
| 4765 NO 142   | 3.00 | 1.20 |
| 4765 NO 143   | 2.00 | 0.70 |
| 4765 NO 144   | 1.20 | 0.40 |

[illegible]

| 15285-140.92 | 15285-93C | 15285-B | 15285-D |
|--------------|-----------|---------|---------|
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|     | mm                                                                                | mm                                                                                |

|           |      |      |
|-----------|------|------|
| 15285-145 | 0.65 | 0.10 |
| 15285-146 | 0.75 | 0.20 |
| 15285-147 | 0.85 | 0.30 |
| 15285-148 | 0.95 | 0.45 |
| 15285-149 | 1.05 | 0.50 |
| 15285-150 | 1.15 | 0.50 |
| 15285-151 | 1.25 | 0.60 |
| 15285-152 | 1.45 | 0.70 |
| 15285-153 | 1.75 | 0.80 |
| 15285-154 | 1.95 | 1.00 |
| 15285-155 | 2.55 | 1.20 |
| 15285-156 | 2.95 | 1.50 |

|           |      |      |
|-----------|------|------|
| 15285-T01 | 9.00 |      |
|           |      |      |
|           |      |      |
| 15285-T02 | 4.50 |      |
| 15285-T03 | 3.50 |      |
| 15285-T04 | 2.50 |      |
| 15285-T05 | 1.00 |      |
|           |      |      |
|           |      |      |
| 15285-T06 | 6.00 | 2.00 |
| 15285-T07 | 4.70 | 1.50 |
| 15285-T08 | 3.50 | 1.00 |
| 15285-T09 | 2.50 | 0.70 |
| 15285-T10 | 2.00 | 0.40 |
| 15285-T11 | 4.70 | 1.25 |
| 15285-T12 | 3.50 | 1.00 |
|           |      |      |
| 15285-T13 | 4.50 |      |
| 15285-T14 | 3.50 |      |
| 15285-T15 | 2.50 |      |
| 15285-T16 | 1.50 |      |
| 15285-T17 | 9.00 | 2.00 |
| 15285-T18 | 6.00 | 1.50 |
| 15285-T19 | 4.70 | 2.00 |
|           |      |      |
| 15285-T20 | 4.00 | 3.50 |
| 15285-T21 | 3.00 | 2.50 |
| 15285-T22 | 2.50 | 2.00 |
| 15285-T23 | 2.00 | 1.50 |
|           |      |      |
|           |      |      |
| 15285-T24 | 9.00 | 2.00 |
| 15285-T25 | 1.50 |      |
| 15285-T26 | 3.00 | 1.00 |
| 15285-T27 | 4.00 | 1.80 |
| 15285-T28 | 6.00 | 3.00 |

| STAR |  |  |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      | mm                                                                                  | mm                                                                                  |

|              |      |      |
|--------------|------|------|
| 4765-PP-0.65 | 0.65 | 0.10 |
| 4765-PP-0.75 | 0.75 | 0.20 |
| 4765-PP-0.85 | 0.85 | 0.30 |
| 4765-PP-0.95 | 0.95 | 0.45 |
| 4765-PP-1.05 | 1.05 | 0.50 |
| 4765-PP-1.15 | 1.15 | 0.50 |
| 4765-PP-1.25 | 1.25 | 0.60 |
| 4765-PP-1.45 | 1.45 | 0.70 |
| 4765-PP-1.75 | 1.75 | 0.80 |
| 4765-PP-1.95 | 1.95 | 1.00 |
| 4765-PP-2.55 | 2.55 | 1.20 |
| 4765-PP-2.95 | 2.95 | 1.50 |

|            |      |      |
|------------|------|------|
| 4765 NO 1  | 9.00 |      |
|            |      |      |
|            |      |      |
| 4765 NO 2  | 4.50 |      |
| 4765 NO 3  | 3.50 |      |
| 4765 NO 4  | 2.50 |      |
| 4765 NO 5  | 1.00 |      |
|            |      |      |
|            |      |      |
| 4765 NO 6  | 6.00 | 2.00 |
| 4765 NO 7  | 4.70 | 1.50 |
| 4765 NO 8  | 3.50 | 1.00 |
| 4765 NO 9  | 2.50 | 0.70 |
| 4765 NO 10 | 2.00 | 0.40 |
| 4765 NO 11 | 4.70 | 1.25 |
| 4765 NO 12 | 3.50 | 1.00 |
|            |      |      |
| 4765 NO 13 | 4.50 |      |
| 4765 NO 14 | 3.50 |      |
| 4765 NO 15 | 2.50 |      |
| 4765 NO 16 | 1.50 |      |
| 4765 NO 17 | 9.00 | 2.00 |
| 4765 NO 18 | 6.00 | 1.50 |
| 4765 NO 19 | 4.70 | 2.00 |
|            |      |      |
| 4765 NO 20 | 4.00 | 3.50 |
| 4765 NO 21 | 3.00 | 2.50 |
| 4765 NO 22 | 2.50 | 2.00 |
| 4765 NO 23 | 2.00 | 1.50 |
|            |      |      |
|            |      |      |
| 4765 NO 24 | 9.00 | 2.00 |
| 4765 NO 25 | 1.50 |      |
| 4765 NO 26 | 3.00 | 1.00 |
| 4765 NO 27 | 4.00 | 1.80 |
| 4765 NO 28 | 6.00 | 3.00 |

| Old BERGEON |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             | mm                                                                                  | mm                                                                                  |

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|----------|------|------|
| 5285-305 | 9.00 |      |
| 5285-304 | 7.00 |      |
| 5285-303 | 5.00 |      |
| 5285-303 | 5.00 |      |
| 5285-302 | 4.00 |      |
| 5285-301 | 3.00 |      |
| 5285-300 | 2.00 |      |
| 5285-310 | 7.50 | 3.50 |
| 5285-309 | 5.00 | 3.00 |
| 5285-308 | 4.00 | 2.00 |
| 5285-307 | 3.00 | 1.50 |
| 5285-306 | 2.00 | 1.00 |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-313 | 7.00 | 1.80 |
| 5285-312 | 5.00 |      |
| 5285-311 | 3.00 |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
|          |      |      |
| 5285-316 | 7.00 |      |
| 5285-315 | 5.00 | ??   |
| 5285-314 | 3.00 | ??   |
|          |      |      |
|          |      |      |
| 5285-317 | 6.00 | 3.00 |
| 5285-318 | 5.00 |      |
| 5285-319 | 7.00 | 2.00 |
|          |      |      |
|          |      |      |
| 5285-306 | 2.00 | 1.00 |
| 5285-308 | 4.00 | 2.00 |
| 5285-309 | 5.00 | 3.00 |

- + 15 reamers 30522-A (Ø 0.69 - 2.99 mm), 2 pins chamferers 30006 (Ø 2 et 4 mm), 6 pump pushers 30523-1 (Ø 0.65 - 2.55 mm) and 1 broach 30006-B.
- + 15 alisadores 30522-A (Ø 0.69 - 2.99 mm), 2 fresas de desbarbar 30006 (Ø 2 et 4 mm), 6 embutidores a muelle 30523-1 (Ø 0.65 - 2.55 mm) y 1 husillo 30006-B.