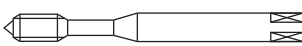


|                                                                                   |                     | S                                                                                        |                                                                                                  | SA                                                                                         |                                                                                            |    |    |
|-----------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----|----|
| Caractéristiques<br>Caratteristiche                                               |                     | <br>VS  | <br>R45<br>VX | <br>R15 |                                                                                            |    |    |
|                                                                                   |                     | <br>NEW | <br>NEW       | <br>NEW | <br>NEW |    |    |
| Genre de trou<br>Tipo di foro                                                     |                     |         |               |         |         |    |    |
|  |                     | S320VS-4                                                                                 | S370VX-3                                                                                         | SA320-4                                                                                    | SA350-3                                                                                    |    |    |
| MJ 4H6H /4H5H                                                                     | ISO 5855            | DIN longue<br>DIN lungo                                                                  | DIN 371                                                                                          | 46                                                                                         | 46                                                                                         | 47 | 47 |
|                                                                                   |                     |                                                                                          |                                                                                                  |                                                                                            |                                                                                            |    |    |
| UNJC 3B                                                                           | ISO 3161/ASME B1.15 | DIN longue<br>DIN lungo                                                                  | DIN 371                                                                                          | 48                                                                                         | 48                                                                                         | 49 | 49 |
|                                                                                   |                     |                                                                                          |                                                                                                  |                                                                                            |                                                                                            |    |    |
| UNJF 3B                                                                           | ISO 3161/ASME B1.15 | DIN longue<br>DIN lungo                                                                  | DIN 371                                                                                          | 50                                                                                         | 50                                                                                         | 51 | 51 |



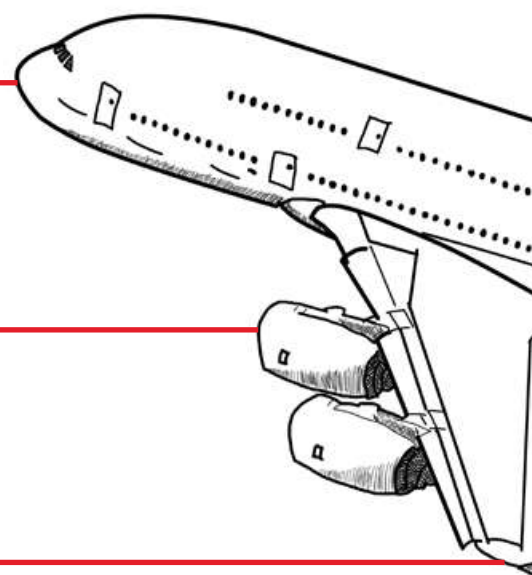
**Composites**  
**GWi3067VX**



**Super alloys**  
**SA390-3**



**Titanium alloys**  
**TL351VS-3**

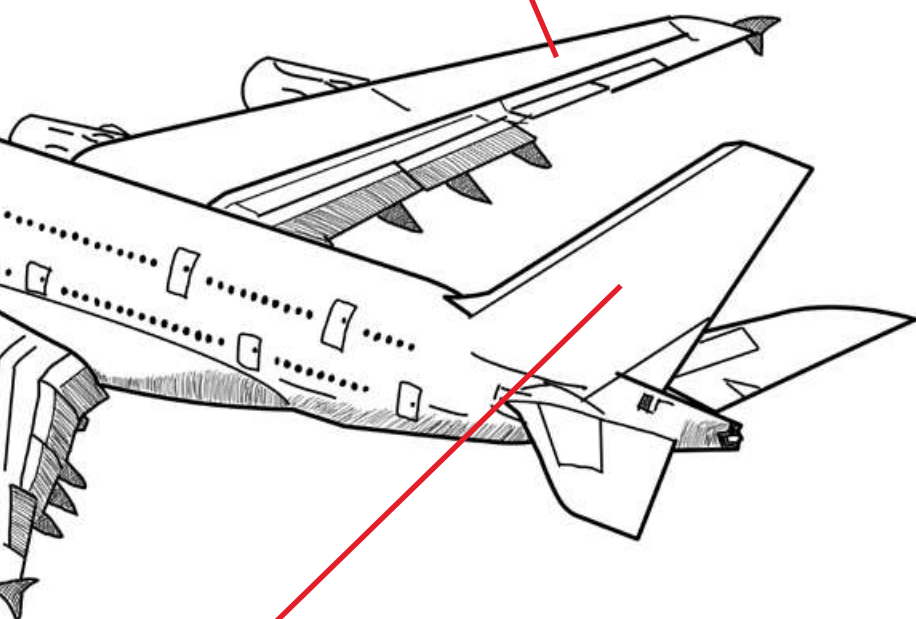


# MJ, UNJC, UNJF

Répertoire — Tarauds à machine MJ ISO 5855, UNJC / UNJF ISO 3161/ASME B1.15  
 Rubrica — Maschi a macchina MJ ISO 5855, UNJC / UNJF ISO 3161/ASME B1.15

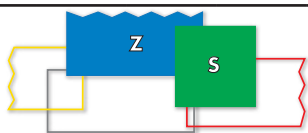
| SA                                                                                              | TL                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>R10        | <br>R15<br><br>VS |
| <br><b>NEW</b> | <br><b>NEW</b>                                                                                     |
|                |                                                                                                    |
| <b>SA390-3</b>                                                                                  | <b>TL351VS-3</b>                                                                                                                                                                    |
| 46                                                                                              | 47                                                                                                                                                                                  |
| 48                                                                                              | 49                                                                                                                                                                                  |
| 50                                                                                              | 51                                                                                                                                                                                  |

**Aluminium alloys**  
**W360DL-3**



**Glass fibre reinforced plastics**  
**H350TC-3**





S320VS-4



VS



S370VX-3

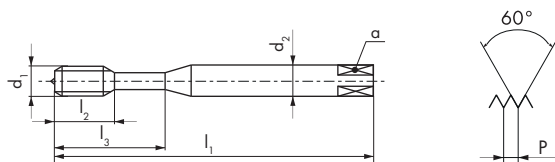


VX



aero

SA390-3



S320VS-4

S370VX-3

SA390-3



NEW

NEW

NEW



≤ 2.5 x D

< 1.5 x D



< 1.5 x D



4H5H

4H5H

4H5H

ID

ID

ID

| Ø d <sub>1</sub><br>MJ | P<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|------------------------|---------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 3                      | 0.5     | 56                   | 12                   | 18                   | 3.5                  | 2.7     | 3 | 2.55 |
| 4                      | 0.7     | 63                   | 14                   | 21                   | 4.5                  | 3.4     | 3 | 3.4  |
| 5                      | 0.8     | 70                   | 15                   | 25                   | 6                    | 4.9     | 3 | 4.3  |
| 6                      | 1       | 80                   | 17                   | 30                   | 6                    | 4.9     | 3 | 5.1  |
| 8                      | 1       | 90                   | 20                   | 35                   | 8                    | 6.2     | 3 | 7.1  |
| 8                      | 1.25    | 90                   | 20                   | 35                   | 8                    | 6.2     | 3 | 6.9  |
| 10                     | 1.25    | 100                  | 22                   | 39                   | 10                   | 8       | 3 | 8.9  |
| 10                     | 1.5     | 100                  | 22                   | 39                   | 10                   | 8       | 3 | 8.6  |

|          |
|----------|
| • 198966 |
| • 198967 |
| • 198968 |
| • 198969 |
| • 198970 |
| • 198971 |
| • 198972 |
| • 198973 |

| Ø d <sub>1</sub><br>MJ | P<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub> h6<br>mm | a<br>mm |   |      |
|------------------------|---------|----------------------|----------------------|----------------------|-------------------------|---------|---|------|
| 3                      | 0.5     | 56                   | 5.5                  | 18                   | 3.5(h9)                 | 2.7     | 3 | 2.55 |
| 4                      | 0.7     | 63                   | 7.5                  | 21                   | 4.5(h9)                 | 3.4     | 3 | 3.4  |
| 5                      | 0.8     | 70                   | 9                    | 25                   | 6                       | 4.9     | 3 | 4.3  |
| 6                      | 1       | 80                   | 11                   | 30                   | 6                       | 4.9     | 3 | 5.1  |
| 8                      | 1       | 90                   | 12.5                 | 35                   | 8                       | 6.2     | 3 | 7.1  |
| 8                      | 1.25    | 90                   | 12.5                 | 35                   | 8                       | 6.2     | 3 | 6.9  |
| 10                     | 1.25    | 100                  | 14                   | 39                   | 10                      | 8       | 3 | 8.9  |
| 10                     | 1.5     | 100                  | 14                   | 39                   | 10                      | 8       | 3 | 8.6  |

|          |
|----------|
| ID       |
| • 198974 |
| • 198975 |
| • 198976 |
| • 198977 |
| • 198978 |
| • 198979 |
| • 198980 |
| • 198981 |

| Ø d <sub>1</sub><br>MJ | P<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|------------------------|---------|----------------------|----------------------|----------------------|---------|---|------|
| 3                      | 0.5     | 56                   | 12                   | 3.5                  | 2.7     | 3 | 2.55 |
| 4                      | 0.7     | 63                   | 14                   | 4.5                  | 3.4     | 3 | 3.4  |
| 5                      | 0.8     | 70                   | 15                   | 6                    | 4.9     | 3 | 4.3  |
| 6                      | 1       | 80                   | 20                   | 6                    | 4.9     | 3 | 5.1  |
| 8                      | 1       | 90                   | 25                   | 8                    | 6.2     | 3 | 7.1  |
| 8                      | 1.25    | 90                   | 25                   | 8                    | 6.2     | 3 | 6.9  |
| 10                     | 1.25    | 100                  | 30                   | 10                   | 8       | 3 | 8.9  |
| 10                     | 1.5     | 100                  | 30                   | 10                   | 8       | 3 | 8.6  |

|          |
|----------|
| ID       |
| • 199006 |
| • 199007 |
| • 199008 |
| • 199009 |
| • 199010 |
| • 199011 |
| • 199012 |
| • 199013 |

≤ MJ 5x0.8 =

4H6H

# aero

SA320-4



15 16 52 64

SA350-3

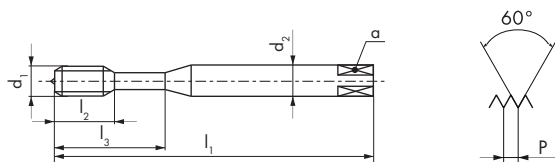


15 16 52 64

TL351VS-3



41 42



SA320-4

SA350-3

TL351VS-3



NEW



NEW



NEW

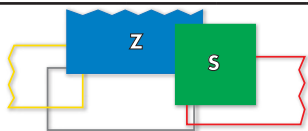


| $\emptyset d_1$<br>MJ | P<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_3$<br>mm | $d_2$<br>mm | a<br>mm |   |      |
|-----------------------|---------|-------------|-------------|-------------|-------------|---------|---|------|
| 3                     | 0.5     | 56          | 12          |             | 3.5         | 2.7     | 3 | 2.55 |
| 4                     | 0.7     | 63          | 14          |             | 4.5         | 3.4     | 3 | 3.4  |
| 5                     | 0.8     | 70          | 15          |             | 6           | 4.9     | 3 | 4.3  |
| 6                     | 1       | 80          | 15          | 23          | 6           | 4.9     | 3 | 5.1  |
| 8                     | 1       | 90          | 18          | 29          | 8           | 6.2     | 3 | 7.1  |
| 8                     | 1.25    | 90          | 18          | 29          | 8           | 6.2     | 3 | 6.9  |
| 10                    | 1.25    | 100         | 20          | 33          | 10          | 8       | 3 | 8.9  |
| 10                    | 1.5     | 100         | 20          | 33          | 10          | 8       | 3 | 8.6  |

| ID       | ID       | ID       |
|----------|----------|----------|
| • 198990 | • 198998 | • 198982 |
| • 198991 | • 198999 | • 198983 |
| • 198992 | • 199000 | • 198984 |
| • 198993 | • 199001 | • 198985 |
| • 198994 | • 199002 | • 198986 |
| • 198995 | • 199003 | • 198987 |
| • 198996 | • 199004 | • 198988 |
| • 198997 | • 199005 | • 198989 |

≤MJ5x0.8 =

4H6H



S320VS-4

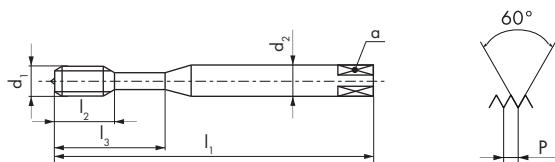


S370VX-3



# aero

SA390-3



S320VS-4

S370VX-3

SA390-3



NEW

NEW

NEW



≤ 2.5 x D

< 1.5 x D



< 1.5 x D



4 x P



2.5 x P



2.5 x P

3B

3B

3B

| Ø" d <sub>1</sub><br>UNJC | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 6                         | 32       | 3.5                  | 56                   | 13                   | 20                   | 4                    | 3       | 3 | 2.8  |
| 8                         | 32       | 4.16                 | 63                   | 14                   | 21                   | 4.5                  | 3.4     | 3 | 3.45 |
| 10                        | 24       | 4.82                 | 70                   | 15                   | 25                   | 6                    | 4.9     | 3 | 3.9  |
| 1/4                       | 20       | 6.35                 | 80                   | 17                   | 30                   | 7                    | 5.5     | 3 | 5.2  |

ID

- 199014
- 199015
- 199016
- 199017

| Ø" d <sub>1</sub><br>UNJC | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub> h6<br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|-------------------------|---------|---|------|
| 6                         | 32       | 3.5                  | 56                   | 6.5                  | 20                   | 4 (h9)                  | 3       | 3 | 2.8  |
| 8                         | 32       | 4.16                 | 63                   | 7.5                  | 21                   | 4.5(h9)                 | 3.4     | 3 | 3.45 |
| 10                        | 24       | 4.82                 | 70                   | 9                    | 25                   | 6                       | 4.9     | 3 | 3.9  |
| 1/4                       | 20       | 6.35                 | 80                   | 11                   | 30                   | 6                       | 4.9     | 3 | 5.2  |

ID

- 199018
- 199019
- 199020
- 199021

| Ø" d <sub>1</sub><br>UNJC | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |  |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|---------|---|------|--|
| 6                         | 32       | 3.5                  | 56                   | 13                   | 4                    | 3       | 3 | 2.8  |  |
| 8                         | 32       | 4.16                 | 63                   | 14                   | 4.5                  | 3.4     | 3 | 3.45 |  |
| 10                        | 24       | 4.82                 | 70                   | 15                   | 6                    | 4.9     | 3 | 3.9  |  |
| 1/4                       | 20       | 6.35                 | 80                   | 20                   | 7                    | 5.5     | 3 | 5.2  |  |

ID

- 199034
- 199035
- 199036
- 199037

## aero

SA320-4



15 16 52 64

SA350-3

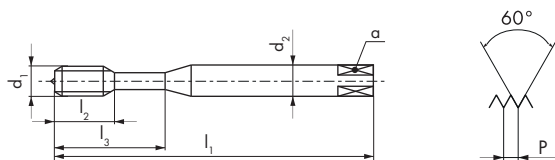


15 16 52 64

TL351VS-3



41 42



SA320-4

SA350-3

TL351VS-3



NEW



NEW

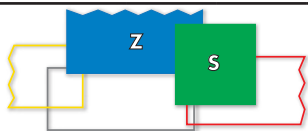


NEW



| Ø" d <sub>1</sub><br>UNJC | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 6                         | 32       | 3.5                  | 56                   | 13                   |                      | 4                    | 3       | 3 | 2.8  |
| 8                         | 32       | 4.16                 | 63                   | 14                   |                      | 4.5                  | 3.4     | 3 | 3.45 |
| 10                        | 24       | 4.82                 | 70                   | 15                   |                      | 6                    | 4.9     | 3 | 3.9  |
| 1/4                       | 20       | 6.35                 | 80                   | 15                   | 23                   | 7                    | 5.5     | 3 | 5.2  |

| ID       | ID       | ID       |
|----------|----------|----------|
| • 199026 | • 199030 | • 199022 |
| • 199027 | • 199031 | • 199023 |
| • 199028 | • 199032 | • 199024 |
| • 199029 | • 199033 | • 199025 |



S320VS-4



VS



S370VX-3

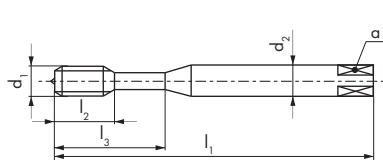


VX



# aero

SA390-3



S320VS-4

S370VX-3

SA390-3



NEW

NEW

NEW



≤ 2.5 x D

< 1.5 x D



< 1.5 x D



4 x P



2.5 x P



2.5 x P



3B



3B



3B

| Ø" d <sub>1</sub><br>UNJF | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 10                        | 32       | 4.82                 | 70                   | 15                   | 25                   | 6                    | 4.9     | 3 | 4.1  |
| 1/4                       | 28       | 6.35                 | 80                   | 17                   | 30                   | 7                    | 5.5     | 3 | 5.55 |
| 5/16                      | 24       | 7.93                 | 90                   | 20                   | 35                   | 8                    | 6.2     | 3 | 7    |
| 3/8                       | 24       | 9.52                 | 100                  | 22                   | 39                   | 10                   | 8       | 3 | 8.6  |

ID

- 199038
- 199039
- 199040
- 199041

| Ø" d <sub>1</sub><br>UNJF | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub> h6<br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|-------------------------|---------|---|------|
| 10                        | 32       | 4.82                 | 70                   | 9                    | 25                   | 6                       | 4.9     | 3 | 4.1  |
| 1/4                       | 28       | 6.35                 | 80                   | 11                   | 30                   | 6                       | 4.9     | 3 | 5.55 |
| 5/16                      | 24       | 7.93                 | 90                   | 12.5                 | 35                   | 8                       | 6.2     | 3 | 7    |
| 3/8                       | 24       | 9.52                 | 100                  | 14                   | 39                   | 10                      | 8       | 3 | 8.6  |

ID

- 197707
- 197708
- 197709
- 197710

| Ø" d <sub>1</sub><br>UNJF | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 10                        | 32       | 4.82                 | 70                   | 15                   | 6                    | 4.9     | 3 | 4.1  |
| 1/4                       | 28       | 6.35                 | 80                   | 20                   | 7                    | 5.5     | 3 | 5.55 |
| 5/16                      | 24       | 7.93                 | 90                   | 25                   | 8                    | 6.2     | 3 | 7    |
| 3/8                       | 24       | 9.52                 | 100                  | 30                   | 10                   | 8       | 3 | 8.6  |

ID

- 199049
- 199050
- 199051
- 199052

## aero

SA320-4



15 16 52 64

SA350-3

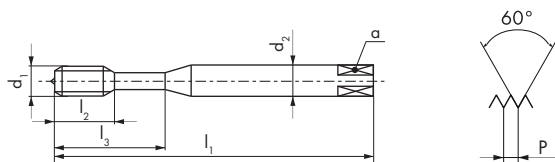


15 16 52 64

TL351VS-3



41 42



SA320-4

SA350-3

TL351VS-3



NEW



NEW



NEW



3B

3B

3B

| Ø" d <sub>1</sub><br>UNJF | P<br>TPI | d <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>2</sub><br>mm | a<br>mm |   |      |
|---------------------------|----------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|---|------|
| 10                        | 32       | 4.82                 | 70                   | 15                   |                      | 6                    | 4.9     | 3 | 4.1  |
| 1/4                       | 28       | 6.35                 | 80                   | 15                   | 23                   | 7                    | 5.5     | 3 | 5.55 |
| 5/16                      | 24       | 7.93                 | 90                   | 18                   | 29                   | 8                    | 6.2     | 3 | 7    |
| 3/8                       | 24       | 9.52                 | 100                  | 20                   | 33                   | 10                   | 8       | 3 | 8.6  |

| ID       | ID       | ID       |
|----------|----------|----------|
| • 174976 | • 188175 | • 199042 |
| • 175993 | • 199046 | • 199043 |
| • 175995 | • 199047 | • 199044 |
| • 175997 | • 199048 | • 199045 |