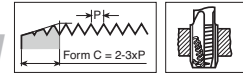




## 451 101 HSS | DIN 352

BSW



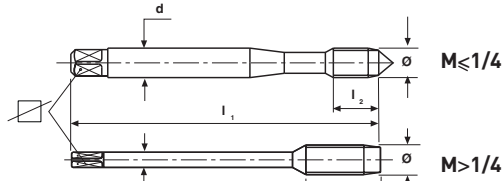
### APLICACIONES

**I | IV | V | VI**

ACEROS < 700 N/mm<sup>2</sup>  
 FUNDICIÓN < 800 N/mm<sup>2</sup>  
 ALUMINIO < 610 N/mm<sup>2</sup>  
 LATON < 500 N/mm<sup>2</sup>

### Roscado Manual

- . Agujeros ciegos hasta 3 X Ø.
- . Rosca progresiva a partir de W 1/2"



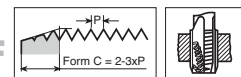
| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d   | ∇   | ∫    |
|----------------|--------------|----------------|----------------|-----|-----|------|
| BSW 1/8" - 40  | <b>19,97</b> | 40             | 11             | 3,5 | 2,7 | 2,55 |
| BSW 5/32" - 32 | <b>19,97</b> | 45             | 13             | 4,5 | 3,4 | 3,20 |
| BSW 3/16" - 24 | <b>19,97</b> | 50             | 16             | 6,0 | 4,9 | 3,70 |
| BSW 7/32 - 24  | <b>30,29</b> | 50             | 18             | 6,0 | 4,9 | 4,50 |
| BSW 1/4" - 20  | <b>22,73</b> | 56             | 22             | 6,0 | 4,9 | 5,10 |
| BSW 5/16" - 18 | <b>27,03</b> | 63             | 25             | 6,0 | 4,9 | 6,50 |
| BSW 3/8" - 16  | <b>29,90</b> | 70             | 28             | 7,0 | 5,5 | 7,90 |
| BSW 7/16" - 14 | <b>39,23</b> | 75             | 30             | 8,0 | 6,2 | 9,25 |

| Ø              | e             | l <sub>1</sub> | l <sub>2</sub> | d    | ∇    | ∫     |
|----------------|---------------|----------------|----------------|------|------|-------|
| BSW 1/2" - 12  | <b>43,33</b>  | 80             | 32             | 9,0  | 7,0  | 10,50 |
| BSW 5/8" - 11  | <b>67,66</b>  | 90             | 36             | 12,0 | 9,0  | 13,50 |
| BSW 3/4" - 10  | <b>95,76</b>  | 105            | 40             | 14,0 | 11,0 | 16,50 |
| BSW 7/8" - 9   | <b>120,52</b> | 110            | 45             | 18,0 | 14,5 | 19,25 |
| BSW 1" - 8     | <b>147,70</b> | 110            | 50             | 20,0 | 16,0 | 22,00 |
| BSW 1.1/4" - 7 | <b>264,89</b> | 125            | 56             | 25,0 | 20,0 | 27,75 |
| BSW 1.3/8" - 6 | <b>329,42</b> | 150            | 63             | 28,0 | 22,0 | 30,50 |



## 451 102 HSS | DIN 2181

BSF



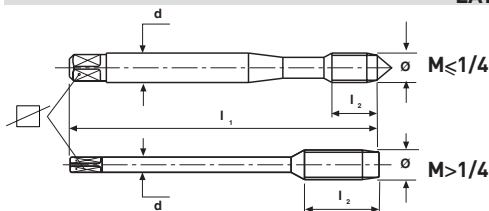
### APLICACIONES

**I | IV | V | VI**

ACEROS < 700 N/mm<sup>2</sup>  
 FUNDICIÓN < 800 N/mm<sup>2</sup>  
 ALUMINIO < 610 N/mm<sup>2</sup>  
 LATON < 500 N/mm<sup>2</sup>

### Roscado Manual

- . Agujeros ciegos hasta 3 X Ø.
- . Rosca progresiva a partir de W 1/2"



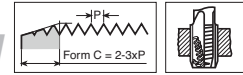
| Ø             | e            | l <sub>1</sub> | l <sub>2</sub> | d    | ∇    | ∫    |
|---------------|--------------|----------------|----------------|------|------|------|
| BSF 1/4" - 26 | <b>29,51</b> | 56             | 22             | 6,00 | 4,90 | 5,30 |
| BSF 3/8" - 20 | <b>39,80</b> | 70             | 24             | 7,00 | 5,50 | 8,30 |

| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d     | ∇    | ∫     |
|----------------|--------------|----------------|----------------|-------|------|-------|
| BSF 9/16" - 16 | <b>64,79</b> | 80             | 32             | 11,00 | 9,00 | 12,70 |



## 451 101 HSS | DIN 352

BSW



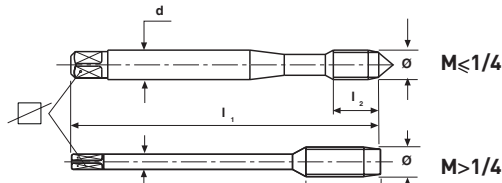
### APLICACIONES

**I | IV | V | VI**

ACEROS < 700 N/mm<sup>2</sup>  
 FUNDICIÓN < 800 N/mm<sup>2</sup>  
 ALUMINIO < 610 N/mm<sup>2</sup>  
 LATON < 500 N/mm<sup>2</sup>

### Roscado Manual

- . Agujeros ciegos hasta 3 X Ø.
- . Rosca progresiva a partir de W 1/2"



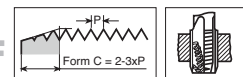
| Ø              | e     | l <sub>1</sub> | l <sub>2</sub> | d   | ∇   | ∫    |
|----------------|-------|----------------|----------------|-----|-----|------|
| BSW 1/8" - 40  | 19,97 | 40             | 11             | 3,5 | 2,7 | 2,55 |
| BSW 5/32" - 32 | 19,97 | 45             | 13             | 4,5 | 3,4 | 3,20 |
| BSW 3/16" - 24 | 19,97 | 50             | 16             | 6,0 | 4,9 | 3,70 |
| BSW 7/32 - 24  | 30,29 | 50             | 18             | 6,0 | 4,9 | 4,50 |
| BSW 1/4" - 20  | 22,73 | 56             | 22             | 6,0 | 4,9 | 5,10 |
| BSW 5/16" - 18 | 27,03 | 63             | 25             | 6,0 | 4,9 | 6,50 |
| BSW 3/8" - 16  | 29,90 | 70             | 28             | 7,0 | 5,5 | 7,90 |
| BSW 7/16" - 14 | 39,23 | 75             | 30             | 8,0 | 6,2 | 9,25 |

| Ø              | e      | l <sub>1</sub> | l <sub>2</sub> | d    | ∇    | ∫     |
|----------------|--------|----------------|----------------|------|------|-------|
| BSW 1/2" - 12  | 43,33  | 80             | 32             | 9,0  | 7,0  | 10,50 |
| BSW 5/8" - 11  | 67,66  | 90             | 36             | 12,0 | 9,0  | 13,50 |
| BSW 3/4" - 10  | 95,76  | 105            | 40             | 14,0 | 11,0 | 16,50 |
| BSW 7/8" - 9   | 120,52 | 110            | 45             | 18,0 | 14,5 | 19,25 |
| BSW 1" - 8     | 147,70 | 110            | 50             | 20,0 | 16,0 | 22,00 |
| BSW 1.1/4" - 7 | 264,89 | 125            | 56             | 25,0 | 20,0 | 27,75 |
| BSW 1.3/8" - 6 | 329,42 | 150            | 63             | 28,0 | 22,0 | 30,50 |



## 451 102 HSS | DIN 2181

BSF



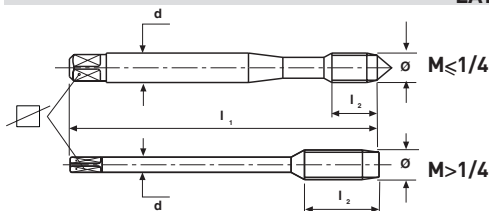
### APLICACIONES

**I | IV | V | VI**

ACEROS < 700 N/mm<sup>2</sup>  
 FUNDICIÓN < 800 N/mm<sup>2</sup>  
 ALUMINIO < 610 N/mm<sup>2</sup>  
 LATON < 500 N/mm<sup>2</sup>

### Roscado Manual

- . Agujeros ciegos hasta 3 X Ø.
- . Rosca progresiva a partir de W 1/2"



| Ø             | e     | l <sub>1</sub> | l <sub>2</sub> | d    | ∇    | ∫    |
|---------------|-------|----------------|----------------|------|------|------|
| BSF 1/4" - 26 | 29,51 | 56             | 22             | 6,00 | 4,90 | 5,30 |
| BSF 3/8" - 20 | 39,80 | 70             | 24             | 7,00 | 5,50 | 8,30 |

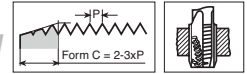
| Ø              | e     | l <sub>1</sub> | l <sub>2</sub> | d     | ∇    | ∫     |
|----------------|-------|----------------|----------------|-------|------|-------|
| BSF 9/16" - 16 | 64,79 | 80             | 32             | 11,00 | 9,00 | 12,70 |

# Machos Taps • Tarauds



**461 201 HSS E | DIN 371**

**BSW**



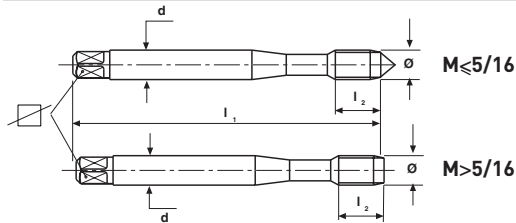
**APLICACIONES**



**ACEROS** < 950 N/mm<sup>2</sup>  
**LATON** < 500 N/mm<sup>2</sup>

**Roscado a Máquina**

- . Agujeros ciegos hasta 1,5 X Ø.
- . Mayor rigidez en el roscado.



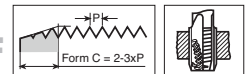
| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d    | ∠     | ∠    |
|--------------|--------------|----------------|----------------|------|-------|------|
| BSW 1/8"-40  | <b>12,10</b> | 56             | 11             | 3,50 | 2,00  | 2,55 |
| BSW 5/32"-32 | <b>12,10</b> | 63             | 12             | 4,50 | 5,00  | 3,20 |
| BSW 3/16"-24 | <b>12,10</b> | 70             | 14             | 6,00 | 9,00  | 3,70 |
| BSW 7/32-24  | <b>18,38</b> | 80             | 14             | 6,00 | 14,00 | 4,50 |

| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d    | ∠     | ∠    |
|--------------|--------------|----------------|----------------|------|-------|------|
| BSW 1/4"-20  | <b>12,92</b> | 80             | 16             | 7,00 | 17,00 | 5,10 |
| BSW 5/16"-18 | <b>16,92</b> | 90             | 18             | 8,00 | 28,00 | 6,50 |
| BSW 3/8"-16  | <b>17,88</b> | 90             | 18             | 9,00 | 41,00 | 7,90 |



**461 201 HSS E | DIN 371**

**BSF**



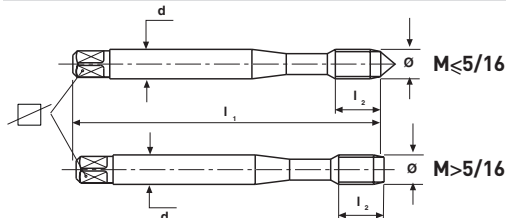
**APLICACIONES**



**ACEROS** < 950 N/mm<sup>2</sup>  
**LATON** < 500 N/mm<sup>2</sup>

**Roscado a Máquina**

- . Agujeros ciegos hasta 1,5 X Ø.
- . Mayor rigidez en el roscado.



| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d | ∠   | ∠    |
|--------------|--------------|----------------|----------------|---|-----|------|
| BSF 1/4"-26  | <b>22,13</b> | 80             | 16             | 7 | 5,5 | 5,30 |
| BSF 5/16"-22 | <b>26,27</b> | 90             | 18             | 8 | 6,2 | 6,80 |

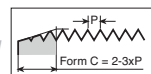
| Ø           | e            | l <sub>1</sub> | l <sub>2</sub> | d | ∠   | ∠    |
|-------------|--------------|----------------|----------------|---|-----|------|
| BSF 3/8"-20 | <b>27,60</b> | 90             | 18             | 9 | 7,0 | 8,30 |

# Machos Taps • Tarauds



**461 202 HSS E | DIN 371**

**BSW**



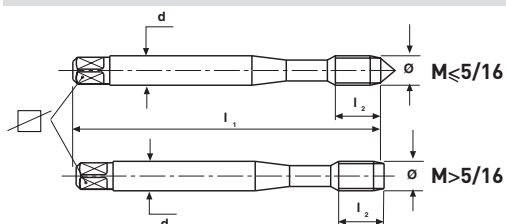
## APLICACIONES

**I**

**ACEROS < 700 N/mm<sup>2</sup>**

### Roscado a Máquina

- . Mayor precisión en el roscado.
- . Profundidad de roscado hasta 2,5 X Ø.



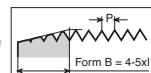
| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d   | ∅   | ∅    |
|----------------|--------------|----------------|----------------|-----|-----|------|
| BSW 1/8" - 40  | <b>13,37</b> | 56             | 11             | 3,5 | 2,7 | 2,55 |
| BSW 5/32" - 32 | <b>13,37</b> | 63             | 12             | 4,5 | 3,4 | 3,20 |
| BSW 3/16" - 24 | <b>13,37</b> | 70             | 14             | 6   | 4,9 | 3,70 |
| BSW 7/32 - 24  | <b>20,32</b> | 80             | 14             | 60  | 4,9 | 4,50 |

| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d | ∅   | ∅    |
|----------------|--------------|----------------|----------------|---|-----|------|
| BSW 1/4" - 20  | <b>15,17</b> | 80             | 16             | 7 | 5,5 | 5,10 |
| BSW 5/16" - 18 | <b>17,79</b> | 90             | 18             | 8 | 6,2 | 6,50 |
| BSW 3/8" - 16  | <b>19,64</b> | 90             | 18             | 9 | 7   | 7,90 |



**461 302 HSS E | DIN 376**

**BSW**



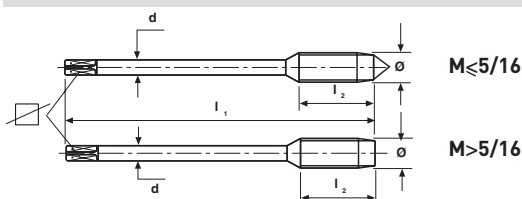
## APLICACIONES

**I**

**ACEROS < 700 N/mm<sup>2</sup>**

### Roscado a Máquina

- . Mayor precisión en el roscado.
- . Profundidad de roscado hasta 2,5 X Ø.



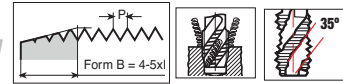
| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d   | ∅   | ∅     |
|----------------|--------------|----------------|----------------|-----|-----|-------|
| BSW 5/32" - 32 | <b>14,83</b> | 63             | 12             | 2,8 | 2,1 | 3,20  |
| BSW 1/4" - 20  | <b>17,44</b> | 80             | 16             | 4,5 | 3,4 | 5,10  |
| BSW 5/16" - 18 | <b>20,46</b> | 90             | 18             | 6   | 4,9 | 6,50  |
| BSW 3/8" - 16  | <b>22,60</b> | 90             | 18             | 7   | 5,5 | 7,90  |
| BSW 7/16 - 14  | <b>25,96</b> | 100            | 22             | 8   | 6,2 | 9,25  |
| BSW 1/2" - 12  | <b>24,80</b> | 110            | 25             | 9   | 7   | 10,5  |
| BSW 9/16" - 12 | <b>35,68</b> | 110            | 25             | 11  | 9   | 12,00 |
| BSW 5/8" - 11  | <b>33,71</b> | 110            | 28             | 12  | 9   | 13,50 |

| Ø                | e             | l <sub>1</sub> | l <sub>2</sub> | d  | ∅    | ∅     |
|------------------|---------------|----------------|----------------|----|------|-------|
| BSW 3/4" - 10    | <b>45,19</b>  | 125            | 32             | 14 | 11   | 16,50 |
| BSW 7/8" - 9     | <b>61,15</b>  | 140            | 32             | 18 | 14,5 | 19,25 |
| BSW 1" - 8       | <b>76,87</b>  | 160            | 36             | 20 | 16   | 22,00 |
| BSW 1.1/8" - 7   | <b>99,74</b>  | 180            | 40             | 22 | 18   | 24,75 |
| BSW 1.5/8" - 5   | <b>378,64</b> | 220            | 56             | 32 | 24   | 35,50 |
| BSW 1.7/8" - 4,5 | <b>452,87</b> | 250            | 63             | 36 | 29   | 41,50 |
| BSW 2" - 4,5     | <b>584,63</b> | 250            | 63             | 40 | 32   | 44,50 |



**461 205 HSS E | DIN 371**

**BSW**



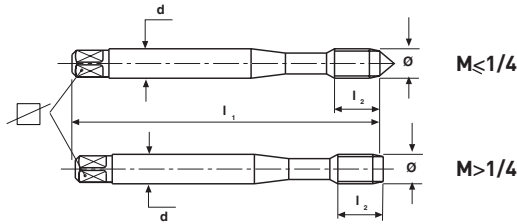
**APLICACIONES**



**ACEROS < 950 N/mm<sup>2</sup>**

**Roscado a Máquina**

. Profundidad de roscado hasta 2,5 X Ø.



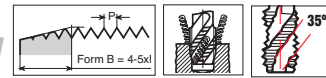
| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d   | α   | β   |
|--------------|--------------|----------------|----------------|-----|-----|-----|
| BSW 1/8"-40  | <b>15,17</b> | 56             | 7              | 3,5 | 2,7 | 2,5 |
| BSW 5/32"-32 | <b>15,17</b> | 63             | 7              | 4,5 | 3,4 | 3,2 |
| BSW 3/16"-24 | <b>15,17</b> | 70             | 10             | 6   | 4,9 | 3,6 |
| BSW 7/32"-24 | <b>23,35</b> | 80             | 14             | 6   | 4,9 | 4,5 |

| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d | α   | β   |
|--------------|--------------|----------------|----------------|---|-----|-----|
| BSW 1/4"-20  | <b>17,23</b> | 80             | 12             | 7 | 5,5 | 5,1 |
| BSW 5/16"-18 | <b>20,09</b> | 90             | 12             | 8 | 6,2 | 6,5 |
| BSW 3/8"-16  | <b>22,32</b> | 90             | 14             | 9 | 7   | 7,9 |



**461 305 HSS E | DIN 376**

**BSW**



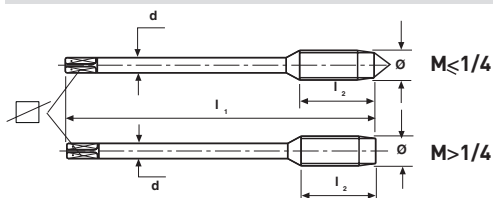
**APLICACIONES**



**ACEROS < 950 N/mm<sup>2</sup>**

**Roscado a Máquina**

. Profundidad de roscado hasta 2,5 X Ø.



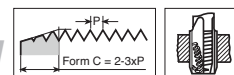
| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d   | α   | β     |
|--------------|--------------|----------------|----------------|-----|-----|-------|
| BSW 1/4"-20  | <b>20,07</b> | 80             | 12             | 4,5 | 3,4 | 5,10  |
| BSW 5/16"-18 | <b>23,52</b> | 90             | 12             | 6   | 4,9 | 6,50  |
| BSW 3/8"-16  | <b>25,99</b> | 90             | 14             | 7   | 5,5 | 7,90  |
| BSW 7/16"-14 | <b>29,49</b> | 100            | 16             | 8   | 6,2 | 9,20  |
| BSW 1/2"-12  | <b>28,26</b> | 110            | 16             | 9   | 7   | 10,50 |

| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d  | α    | β     |
|--------------|--------------|----------------|----------------|----|------|-------|
| BSW 9/16"-12 | <b>40,54</b> | 110            | 20             | 12 | 9    | 12,00 |
| BSW 5/8"-11  | <b>38,34</b> | 110            | 20             | 12 | 9    | 13,50 |
| BSW 3/4"-10  | <b>51,35</b> | 125            | 25             | 14 | 11   | 16,50 |
| BSW 7/8"-9   | <b>69,50</b> | 140            | 28             | 18 | 14,5 | 19,75 |
| BSW 1"-8     | <b>87,22</b> | 160            | 30             | 20 | 16   | 22,00 |



## 461 301 HSS E | DIN 376

BSW



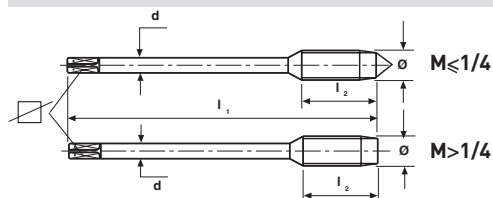
### APLICACIONES



ACEROS < 950 N/mm<sup>2</sup>  
LATON < 500 N/mm<sup>2</sup>

### Roscado a Máquina

- . Agujeros ciegos hasta 1,5 X Ø.
- . Mayor rigidez en el roscado.



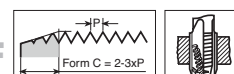
| Ø              | €     | l <sub>1</sub> | l <sub>2</sub> | d     | ∇     | ∫ <sub>1</sub> |
|----------------|-------|----------------|----------------|-------|-------|----------------|
| BSW 5/32" - 32 | 14,06 | 63             | 12             | 2,80  | 2,10  | 3,20           |
| BSW 1/4" - 20  | 15,02 | 80             | 16             | 4,50  | 3,40  | 5,10           |
| BSW 3/8" - 16  | 20,79 | 90             | 18             | 7,00  | 5,50  | 7,90           |
| BSW 1/2" - 12  | 23,68 | 110            | 25             | 9,00  | 7,00  | 10,50          |
| BSW 9/16" - 12 | 33,97 | 110            | 25             | 11,00 | 9,00  | 12,00          |
| BSW 5/8" - 11  | 32,14 | 110            | 28             | 12,00 | 9,00  | 13,50          |
| BSW 3/4" - 10  | 43,01 | 125            | 32             | 14,00 | 11,00 | 16,50          |
| BSW 7/8" - 9   | 58,27 | 140            | 32             | 18,00 | 14,50 | 19,25          |
| BSW 1" - 8     | 73,25 | 160            | 36             | 20,00 | 16,00 | 22,00          |

| Ø                | €      | l <sub>1</sub> | l <sub>2</sub> | d     | ∇     | ∫ <sub>1</sub> |
|------------------|--------|----------------|----------------|-------|-------|----------------|
| BSW 1.1/8" - 7   | 94,99  | 180            | 40             | 22,00 | 18,00 | 24,75          |
| BSW 1.1/4" - 7   | 138,01 | 180            | 40             | 25,00 | 20,00 | 27,75          |
| BSW 1.3/8" - 6   | 224,54 | 200            | 45             | 28,00 | 22,00 | 30,50          |
| BSW 1.1/2" - 6   | 246,21 | 200            | 45             | 28,00 | 22,00 | 33,50          |
| BSW 1.5/8" - 5   | 376,48 | 220            | 56             | 32,00 | 24,00 | 35,50          |
| BSW 1.3/4" - 5   | 403,71 | 220            | 56             | 36,00 | 29,00 | 39,00          |
| BSW 1.7/8" - 4.5 | 447,57 | 250            | 63             | 36,00 | 29,00 | 41,50          |
| BSW 2" - 4.5     | 558,26 | 250            | 63             | 40,00 | 32,00 | 44,50          |



## 461 301 HSS E | DIN 376

BSF



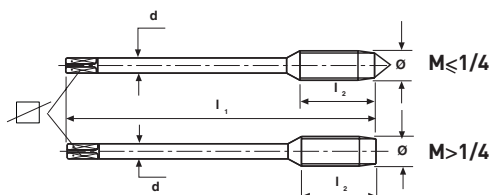
### APLICACIONES



ACEROS < 950 N/mm<sup>2</sup>  
LATON < 500 N/mm<sup>2</sup>

### Roscado a Máquina

- . Agujeros ciegos hasta 1,5 X Ø.
- . Mayor rigidez en el roscado.



| Ø              | €     | l <sub>1</sub> | l <sub>2</sub> | d  | ∇   | ∫ <sub>1</sub> |
|----------------|-------|----------------|----------------|----|-----|----------------|
| BSF 3/8" - 20  | 32,09 | 90             | 18             | 7  | 5,5 |                |
| BSF 1/2" - 16  | 44,12 | 110            | 25             | 9  | 7   |                |
| BSF 9/16" - 16 | 46,67 | 110            | 25             | 11 | 9   |                |

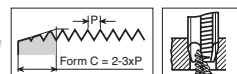
| Ø             | €      | l <sub>1</sub> | l <sub>2</sub> | d  | ∇    | ∫ <sub>1</sub> |
|---------------|--------|----------------|----------------|----|------|----------------|
| BSF 5/8" - 14 | 62,24  | 110            | 28             | 12 | 9    |                |
| BSF 7/8" - 11 | 102,42 | 140            | 32             | 18 | 14,5 |                |
| BSF 1" - 10   | 122,44 | 160            | 36             | 20 | 16   |                |

# Machos Taps • Tarauds



**461 202 HSS E | DIN 371**

**BSW**



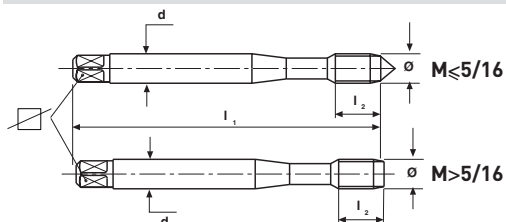
## APLICACIONES

**I**

**ACEROS < 700 N/mm<sup>2</sup>**

### Roscado a Máquina

- . Mayor precisión en el roscado.
- . Profundidad de roscado hasta 2,5 X Ø.



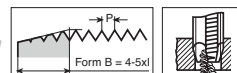
| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d   | ∅   | ∅    |
|----------------|--------------|----------------|----------------|-----|-----|------|
| BSW 1/8" - 40  | <b>13,37</b> | 56             | 11             | 3,5 | 2,7 | 2,55 |
| BSW 5/32" - 32 | <b>13,37</b> | 63             | 12             | 4,5 | 3,4 | 3,20 |
| BSW 3/16" - 24 | <b>13,37</b> | 70             | 14             | 6   | 4,9 | 3,70 |
| BSW 7/32 - 24  | <b>20,32</b> | 80             | 14             | 60  | 4,9 | 4,50 |

| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d | ∅   | ∅    |
|----------------|--------------|----------------|----------------|---|-----|------|
| BSW 1/4" - 20  | <b>15,17</b> | 80             | 16             | 7 | 5,5 | 5,10 |
| BSW 5/16" - 18 | <b>17,79</b> | 90             | 18             | 8 | 6,2 | 6,50 |
| BSW 3/8" - 16  | <b>19,64</b> | 90             | 18             | 9 | 7   | 7,90 |



**461 302 HSS E | DIN 376**

**BSW**



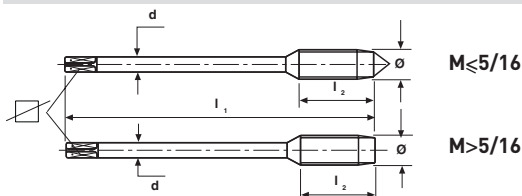
## APLICACIONES

**I**

**ACEROS < 700 N/mm<sup>2</sup>**

### Roscado a Máquina

- . Mayor precisión en el roscado.
- . Profundidad de roscado hasta 2,5 X Ø.



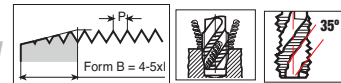
| Ø              | e            | l <sub>1</sub> | l <sub>2</sub> | d   | ∅   | ∅     |
|----------------|--------------|----------------|----------------|-----|-----|-------|
| BSW 5/32" - 32 | <b>14,83</b> | 63             | 12             | 2,8 | 2,1 | 3,20  |
| BSW 1/4" - 20  | <b>17,44</b> | 80             | 16             | 4,5 | 3,4 | 5,10  |
| BSW 5/16" - 18 | <b>20,46</b> | 90             | 18             | 6   | 4,9 | 6,50  |
| BSW 3/8" - 16  | <b>22,60</b> | 90             | 18             | 7   | 5,5 | 7,90  |
| BSW 7/16 - 14  | <b>25,96</b> | 100            | 22             | 8   | 6,2 | 9,25  |
| BSW 1/2" - 12  | <b>24,80</b> | 110            | 25             | 9   | 7   | 10,5  |
| BSW 9/16" - 12 | <b>35,68</b> | 110            | 25             | 11  | 9   | 12,00 |
| BSW 5/8" - 11  | <b>33,71</b> | 110            | 28             | 12  | 9   | 13,50 |

| Ø                | e             | l <sub>1</sub> | l <sub>2</sub> | d  | ∅    | ∅     |
|------------------|---------------|----------------|----------------|----|------|-------|
| BSW 3/4" - 10    | <b>45,19</b>  | 125            | 32             | 14 | 11   | 16,50 |
| BSW 7/8" - 9     | <b>61,15</b>  | 140            | 32             | 18 | 14,5 | 19,25 |
| BSW 1" - 8       | <b>76,87</b>  | 160            | 36             | 20 | 16   | 22,00 |
| BSW 1.1/8" - 7   | <b>99,74</b>  | 180            | 40             | 22 | 18   | 24,75 |
| BSW 1.5/8" - 5   | <b>378,64</b> | 220            | 56             | 32 | 24   | 35,50 |
| BSW 1.7/8" - 4,5 | <b>452,87</b> | 250            | 63             | 36 | 29   | 41,50 |
| BSW 2" - 4,5     | <b>584,63</b> | 250            | 63             | 40 | 32   | 44,50 |



**461 205 HSS E | DIN 371**

**BSW**



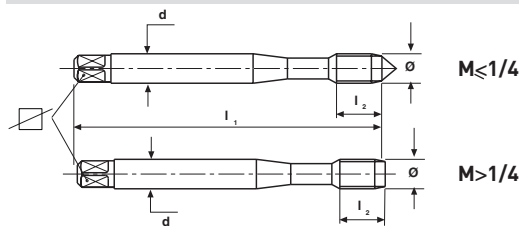
**APLICACIONES**



**ACEROS < 950 N/mm<sup>2</sup>**

**Roscado a Máquina**

. Profundidad de roscado hasta 2,5 X Ø.



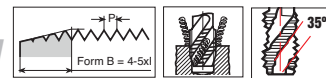
| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d   | α   | β   |
|--------------|--------------|----------------|----------------|-----|-----|-----|
| BSW 1/8"-40  | <b>15,17</b> | 56             | 7              | 3,5 | 2,7 | 2,5 |
| BSW 5/32"-32 | <b>15,17</b> | 63             | 7              | 4,5 | 3,4 | 3,2 |
| BSW 3/16"-24 | <b>15,17</b> | 70             | 10             | 6   | 4,9 | 3,6 |
| BSW 7/32"-24 | <b>23,35</b> | 80             | 14             | 6   | 4,9 | 4,5 |

| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d | α   | β   |
|--------------|--------------|----------------|----------------|---|-----|-----|
| BSW 1/4"-20  | <b>17,23</b> | 80             | 12             | 7 | 5,5 | 5,1 |
| BSW 5/16"-18 | <b>20,09</b> | 90             | 12             | 8 | 6,2 | 6,5 |
| BSW 3/8"-16  | <b>22,32</b> | 90             | 14             | 9 | 7   | 7,9 |



**461 305 HSS E | DIN 376**

**BSW**



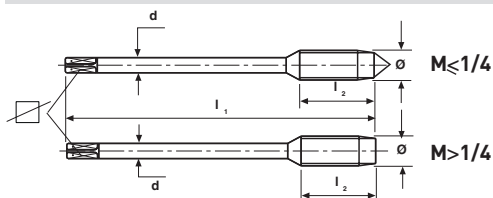
**APLICACIONES**



**ACEROS < 950 N/mm<sup>2</sup>**

**Roscado a Máquina**

. Profundidad de roscado hasta 2,5 X Ø.



| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d   | α   | β     |
|--------------|--------------|----------------|----------------|-----|-----|-------|
| BSW 1/4"-20  | <b>20,07</b> | 80             | 12             | 4,5 | 3,4 | 5,10  |
| BSW 5/16"-18 | <b>23,52</b> | 90             | 12             | 6   | 4,9 | 6,50  |
| BSW 3/8"-16  | <b>25,99</b> | 90             | 14             | 7   | 5,5 | 7,90  |
| BSW 7/16"-14 | <b>29,49</b> | 100            | 16             | 8   | 6,2 | 9,20  |
| BSW 1/2"-12  | <b>28,26</b> | 110            | 16             | 9   | 7   | 10,50 |

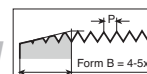
| Ø            | e            | l <sub>1</sub> | l <sub>2</sub> | d  | α    | β     |
|--------------|--------------|----------------|----------------|----|------|-------|
| BSW 9/16"-12 | <b>40,54</b> | 110            | 20             | 12 | 9    | 12,00 |
| BSW 5/8"-11  | <b>38,34</b> | 110            | 20             | 12 | 9    | 13,50 |
| BSW 3/4"-10  | <b>51,35</b> | 125            | 25             | 14 | 11   | 16,50 |
| BSW 7/8"-9   | <b>69,50</b> | 140            | 28             | 18 | 14,5 | 19,75 |
| BSW 1"-8     | <b>87,22</b> | 160            | 30             | 20 | 16   | 22,00 |

# Machos Taps • Tarauds



**471 401 HSS E | NORMA FABRICA**

**BSW**

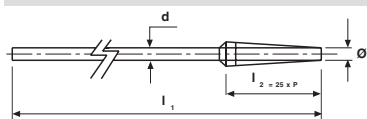


## APLICACIONES



**ACEROS < 700 N/mm<sup>2</sup>**

**Roscado a Máquina**  
Para roscado de tuercas.



| Ø              | €            | l <sub>1</sub> | l <sub>2</sub> | d    | Ø    |
|----------------|--------------|----------------|----------------|------|------|
| BSW 3/16" - 24 | <b>21,29</b> | 280            | 26             | 3,30 | 3,40 |
| BSW 7/32" - 24 | <b>21,29</b> | 280            | 27             | 4,00 | 4,20 |
| BSW 1/4" - 20  | <b>21,29</b> | 280            | 32             | 4,50 | 1,74 |
| BSW 5/16" - 18 | <b>23,35</b> | 280            | 35             | 5,90 | 6,15 |

| Ø              | €            | l <sub>1</sub> | l <sub>2</sub> | d     | Ø     |
|----------------|--------------|----------------|----------------|-------|-------|
| BSW 3/8" - 16  | <b>23,35</b> | 280            | 39             | 7,20  | 7,5   |
| BSW 9/16" - 12 | <b>59,16</b> | 420            | 53             | 10,60 | 11,60 |
| BSW 5/8" - 11  | <b>59,16</b> | 520            | 55             | 12,40 | 12,95 |
| BSW 3/4" - 10  | <b>81,52</b> | 520            | 63             | 15,20 | 15,83 |