

# SP Spiral Fluted Taps

| Overall length | Chamfer+ full thread | Thread length | Thread+Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|----------------------|---------------|--------------------|--------------|------------|----------------|------------------|
| L              | ℓt                   | ℓ             | ℓn                 | ℓs           | Ds         | K              | ℓk               |

| Size                | Class | Code     | Chamfer | L (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | Type | Stock |
|---------------------|-------|----------|---------|--------|--------|---------|---------|---------|--------|---------|---------------|------|-------|
| M35 × 2             | P3    | SPMR035Q | 2.5P    | 155    | 52     | -       | 71      | 28      | 21     | 24      | 4             | 7    | △     |
| M35 × 1.5           | P3    | SPMR035O | 2.5P    | 155    | 26     | -       | 71      | 28      | 21     | 24      | 4             | 8    | △     |
| M35 × 1             | P2    | SPMQ035M | 2.5P    | 155    | 26     | -       | 71      | 28      | 21     | 24      | 4             | 8    | △     |
| M36 × 4             | P4    | SPMS036U | 2.5P    | 155    | 52     | -       | 71      | 28      | 21     | 24      | 4             | 7    | ◎     |
| M36 × 3             | P3    | SPMR036S | 2.5P    | 155    | 52     | -       | 71      | 28      | 21     | 24      | 4             | 7    | △     |
| M36 × 2             | P3    | SPMR036Q | 2.5P    | 155    | 52     | -       | 71      | 28      | 21     | 24      | 4             | 7    | △     |
| M36 × 1.5           | P3    | SPMR036O | 2.5P    | 155    | 26     | -       | 71      | 28      | 21     | 24      | 4             | 8    | △     |
| M36 × 1             | P2    | SPMQ036M | 2.5P    | 155    | 26     | -       | 71      | 28      | 21     | 24      | 4             | 8    | △     |
| M38 × 3             | P3    | SPMR038S | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| M38 × 2             | P3    | SPMR038Q | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| M38 × 1.5           | P3    | SPMR038O | 2.5P    | 165    | 26     | -       | 76      | 30      | 23     | 26      | 4             | 8    | △     |
| M39 × 4             | P4    | SPMS039U | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| M39 × 3             | P3    | SPMR039S | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| M39 × 2             | P3    | SPMR039Q | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| M39 × 1.5           | P3    | SPMR039O | 2.5P    | 165    | 26     | -       | 76      | 30      | 23     | 26      | 4             | 8    | △     |
| M40 × 3             | P3    | SPMR040S | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| M40 × 2             | P3    | SPMR040Q | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| M40 × 1.5           | P3    | SPMR040O | 2.5P    | 175    | 27     | -       | 81      | 32      | 26     | 30      | 4             | 8    | △     |
| M42 × 4.5           | P4    | SPMS042V | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| M42 × 3             | P3    | SPMR042S | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| M42 × 2             | P3    | SPMR042Q | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| M42 × 1.5           | P3    | SPMR042O | 2.5P    | 175    | 27     | -       | 81      | 32      | 26     | 30      | 4             | 8    | △     |
| M45 × 4.5           | P4    | SPMS045V | 2.5P    | 180    | 59     | -       | 83      | 35      | 26     | 30      | 4             | 7    | △     |
| M45 × 3             | P3    | SPMR045S | 2.5P    | 180    | 59     | -       | 83      | 35      | 26     | 30      | 4             | 7    | △     |
| M45 × 2             | P3    | SPMR045Q | 2.5P    | 180    | 59     | -       | 83      | 35      | 26     | 30      | 4             | 7    | △     |
| M45 × 1.5           | P3    | SPMR045O | 2.5P    | 180    | 27     | -       | 83      | 35      | 26     | 30      | 4             | 8    | △     |
| M48 × 5             | P4    | SPMS048W | 2.5P    | 185    | 65     | -       | 85      | 38      | 29     | 32      | 4             | 7    | △     |
| M48 × 4             | P4    | SPMS048U | 2.5P    | 185    | 65     | -       | 85      | 38      | 29     | 32      | 4             | 7    | △     |
| M48 × 3             | P3    | SPMR048S | 2.5P    | 185    | 65     | -       | 85      | 38      | 29     | 32      | 4             | 7    | △     |
| M48 × 2             | P3    | SPMR048Q | 2.5P    | 185    | 65     | -       | 85      | 38      | 29     | 32      | 4             | 7    | △     |
| M48 × 1.5           | P3    | SPMR048O | 2.5P    | 185    | 28     | -       | 85      | 38      | 29     | 32      | 4             | 8    | △     |
| For Unified Threads |       |          |         |        |        |         |         |         |        |         |               |      |       |
| Size                | Class | Code     | Chamfer | L (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | Type | Stock |
| No.1-64UNC          | P1    | SPPUN1D  | 2.5P    | 42     | 7.2    | -       | 27      | 3       | 2.5    | 5       | 2             | 2    | △     |
| No.2-56UNC          | P1    | SPPUN2E  | 2.5P    | 42     | 8.1    | 12      | 27      | 3       | 2.5    | 5       | 2             | 3    | △     |
| No.2-64UNF          | P1    | SPPUN2D  | 2.5P    | 42     | 8.1    | 12      | 27      | 3       | 2.5    | 5       | 2             | 3    | △     |
| No.3-48UNC          | P1    | SPPUN3F  | 2.5P    | 46     | 8.1    | 14      | 29      | 3       | 2.5    | 5       | 2             | 3    | △     |
| No.3-56UNF          | P1    | SPPUN3E  | 2.5P    | 46     | 8.1    | 14      | 29      | 3       | 2.5    | 5       | 2             | 3    | △     |
| No.4-40UNC          | P1    | SPPUN4H  | 2.5P    | 46     | 9      | 14      | 26      | 4       | 3.2    | 6       | 2             | 3    | ○     |
| No.4-48UNF          | P1    | SPPUN4F  | 2.5P    | 46     | 9      | 14      | 26      | 4       | 3.2    | 6       | 2             | 3    | △     |
| No.5-40UNC          | P1    | SPPUN5H  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | ○     |
| No.5-44UNF          | P1    | SPPUN5G  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | △     |
| No.6-32UNC          | P2    | SPQUN6J  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | ○     |
| No.6-40UNF          | P1    | SPPUN6H  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | △     |
| No.8-32UNC          | P2    | SPQUN8J  | 2.5P    | 60     | 13     | 21      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | ○     |
| No.8-36UNF          | P2    | SPQUN8I  | 2.5P    | 60     | 13     | 21      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | △     |
| No.10-24UNC         | P2    | SPQUNAM  | 2.5P    | 60     | 13     | 22      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | ○     |
| No.10-32UNF         | P2    | SPQUNAJ  | 2.5P    | 60     | 13     | 22      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | ○     |
| No.12-24UNC         | P2    | SPQUNCM  | 2.5P    | 62     | 15     | 26      | 33      | 6       | 4.5    | 7       | 3             | 3    | △     |
| No.12-28UNF         | P2    | SPQUNCK  | 2.5P    | 62     | 15     | 26      | 33      | 6       | 4.5    | 7       | 3             | 3    | △     |

Spiral Fluted Taps  
(for blind hole)

Spiral Fluted Taps  
(for through hole)

Spiral Pointed Taps  
(for through hole)

Hand Taps

Cemented  
Carbide Taps

Roll Taps

Special Thread Taps  
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools



# Spiral Fluted Tap Series for blind hole

## SP Spiral Fluted Taps

|                                                | Size        | Class | Code     | Chamfer | L<br>(mm) | ℓ<br>(mm) | ℓn<br>(mm) | ℓs<br>(mm) | Ds<br>(mm) | K<br>(mm) | ℓk<br>(mm) | No. of<br>flutes | Type | Stock |
|------------------------------------------------|-------------|-------|----------|---------|-----------|-----------|------------|------------|------------|-----------|------------|------------------|------|-------|
| Spiral Fluted Taps<br>(for blind hole)         | 1/4-20UNC   | P2    | SPQU04N  | 2.5P    | 62        | 15        | 26         | 33         | 6          | 4.5       | 7          | 3                | 3    | ◎     |
|                                                | 1/4-28UNF   | P2    | SPQU04K  | 2.5P    | 62        | 15        | 26         | 33         | 6          | 4.5       | 7          | 3                | 3    | ○     |
|                                                | 1/4-32UNEF  | P2    | SPQU04J  | 2.5P    | 62        | 15        | 26         | 33         | 6          | 4.5       | 7          | 3                | 3    | △     |
| Spiral Fluted Taps<br>(for through hole)       | 5/16-18UNC  | P2    | SPQU05O  | 2.5P    | 70        | 19        | -          | 36         | 6.2        | 5         | 8          | 3                | 5    | ◎     |
|                                                | 5/16-24UNF  | P2    | SPQU05M  | 2.5P    | 70        | 19        | -          | 36         | 6.2        | 5         | 8          | 3                | 5    | ○     |
|                                                | 5/16-32UNEF | P2    | SPQU05J  | 2.5P    | 70        | 19        | -          | 36         | 6.2        | 5         | 8          | 3                | 5    | △     |
| Spiral Pointed Taps<br>(for through hole)      | 3/8-16UNC   | P2    | SPQU06P  | 2.5P    | 75        | 23        | -          | 38         | 7          | 5.5       | 8          | 3                | 5    | ◎     |
|                                                | 3/8-24UNF   | P2    | SPQU06M  | 2.5P    | 75        | 23        | -          | 38         | 7          | 5.5       | 8          | 3                | 5    | ○     |
|                                                | 7/16-14UNC  | P3    | SPRU07Q  | 2.5P    | 82        | 26        | -          | 42         | 8.5        | 6.5       | 9          | 3                | 5    | ○     |
| Hand Taps                                      | 7/16-20UNF  | P2    | SPQU07N  | 2.5P    | 82        | 26        | -          | 42         | 8.5        | 6.5       | 9          | 3                | 5    | ○     |
|                                                | 1/2-13UNC   | P3    | SPRU08R  | 2.5P    | 88        | 26        | -          | 45         | 10.5       | 8         | 11         | 3                | 5    | ○     |
|                                                | 1/2-20UNF   | P2    | SPQU08N  | 2.5P    | 88        | 26        | -          | 45         | 10.5       | 8         | 11         | 3                | 5    | ○     |
| Cemented<br>Carbide Taps                       | 9/16-12UNC  | P3    | SPRU09S  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | △     |
|                                                | 9/16-18UNF  | P2    | SPQU09O  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | ○     |
|                                                | 9/16-24UNEF | P2    | SPQU09M  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | △     |
| Roll Taps                                      | 5/8-11UNC   | P3    | SPRU10U  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | ○     |
|                                                | 5/8-18UNF   | P2    | SPQU10O  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | ○     |
|                                                | 5/8-24UNEF  | P2    | SPQU10M  | 2.5P    | 95        | 26        | -          | 48         | 12.5       | 10        | 13         | 3                | 5    | △     |
| Special Thread Taps<br>Simple Inspection Tools | 3/4-10UNC   | P3    | SPRU12V  | 2.5P    | 105       | 33        | -          | 50         | 15         | 12        | 15         | 4                | 7    | ○     |
|                                                | 3/4-16UNF   | P3    | SPRU12P  | 2.5P    | 105       | 33        | -          | 50         | 15         | 12        | 15         | 4                | 7    | ○     |
|                                                | 3/4-20UNEF  | P2    | SPQU12N  | 2.5P    | 105       | 33        | -          | 50         | 15         | 12        | 15         | 4                | 7    | △     |
| Pipe Taps                                      | 7/8-9UNC    | P3    | SPRU14W  | 2.5P    | 115       | 33        | -          | 55         | 17         | 13        | 16         | 4                | 7    | ○     |
|                                                | 7/8-14UNF   | P3    | SPRU14Q  | 2.5P    | 115       | 33        | -          | 55         | 17         | 13        | 16         | 4                | 7    | ○     |
|                                                | 7/8-20UNEF  | P2    | SPQU14N  | 2.5P    | 115       | 33        | -          | 55         | 17         | 13        | 16         | 4                | 7    | △     |
| Thread Mills                                   | 1 -8UNC     | P3    | SPRU16X  | 2.5P    | 125       | 39        | -          | 58         | 19         | 15        | 18         | 4                | 7    | ○     |
|                                                | 1 -12UNF    | P3    | SPRU16S  | 2.5P    | 125       | 39        | -          | 58         | 19         | 15        | 18         | 4                | 7    | △     |
|                                                | 1 -14UNS    | P3    | SPRU16Q  | 2.5P    | 125       | 39        | -          | 58         | 19         | 15        | 18         | 4                | 7    | △     |
| Dies                                           | 1 -20UNEF   | P2    | SPQU16N  | 2.5P    | 125       | 39        | -          | 58         | 19         | 15        | 18         | 4                | 7    | △     |
|                                                | 1 1/8-7UNC  | P4    | SPSU18Y  | 2.5P    | 135       | 46        | -          | 62         | 23         | 17        | 20         | 4                | 7    | △     |
|                                                | 1 1/8-12UNF | P3    | SPRU18S  | 2.5P    | 135       | 46        | -          | 62         | 23         | 17        | 20         | 4                | 7    | △     |
| Center Drills                                  | 1 1/4-7UNC  | P4    | SPMSU20Y | 2.5P    | 145       | 46        | -          | 67         | 24         | 19        | 22         | 4                | 7    | △     |
|                                                | 1 1/4-8UN   | P3    | SPMRU20X | 2.5P    | 145       | 46        | -          | 67         | 24         | 19        | 22         | 4                | 7    | △     |
|                                                | 1 1/4-12UNF | P3    | SPMRU20S | 2.5P    | 145       | 46        | -          | 67         | 24         | 19        | 22         | 4                | 7    | △     |
| Centering Tools                                | 1 3/8-6UNC  | P4    | SPMSU22Z | 2.5P    | 155       | 52        | -          | 71         | 28         | 21        | 24         | 4                | 7    | △     |
|                                                | 1 3/8-8UN   | P3    | SPMRU22X | 2.5P    | 155       | 52        | -          | 71         | 28         | 21        | 24         | 4                | 7    | △     |
|                                                | 1 3/8-12UNF | P3    | SPMRU22S | 2.5P    | 155       | 52        | -          | 71         | 28         | 21        | 24         | 4                | 7    | △     |
|                                                | 1 1/2-6UNC  | P4    | SPMSU24Z | 2.5P    | 165       | 52        | -          | 76         | 30         | 23        | 26         | 4                | 7    | △     |
|                                                | 1 1/2-12UNF | P3    | SPMRU24S | 2.5P    | 165       | 52        | -          | 76         | 30         | 23        | 26         | 4                | 7    | △     |
|                                                | 1 3/4-5UNC  | P4    | SPMSU28O | 2.5P    | 180       | 59        | -          | 83         | 35         | 26        | 30         | 4                | 7    | △     |
|                                                | 1 3/4-12UN  | P3    | SPMRU28S | 2.5P    | 180       | 59        | -          | 83         | 35         | 26        | 30         | 4                | 7    | △     |
| For Whitworth Threads                          |             |       |          |         |           |           |            |            |            |           |            |                  |      |       |
|                                                | Size        | Class | Code     | Chamfer | L<br>(mm) | ℓ<br>(mm) | ℓn<br>(mm) | ℓs<br>(mm) | Ds<br>(mm) | K<br>(mm) | ℓk<br>(mm) | No. of<br>flutes | Type | Stock |
|                                                | 1/8W40      | P1    | SPPW02H  | 2.5P    | 52        | 11        | 17         | 29         | 5          | 4         | 7          | 3                | 3    | ○     |
|                                                | 5/32W32     | P2    | SPQW2HJ  | 2.5P    | 52        | 11        | 17         | 29         | 5          | 4         | 7          | 3                | 3    | △     |
|                                                | 3/16W24     | P2    | SPQW03M  | 2.5P    | 60        | 13        | 21         | 33         | 5.5        | 4.5       | 7          | 3                | 3    | ○     |
|                                                | 7/32W24     | P2    | SPQW3HM  | 2.5P    | 62        | 15        | 26         | 33         | 6          | 4.5       | 7          | 3                | 3    | △     |
|                                                | 1/4W20      | P2    | SPQW04N  | 2.5P    | 62        | 15        | 26         | 33         | 6          | 4.5       | 7          | 3                | 3    | ○     |
|                                                | 5/16W18     | P2    | SPQW05O  | 2.5P    | 70        | 19        | -          | 36         | 6.2        | 5         | 8          | 3                | 5    | ○     |
|                                                | 3/8W16      | P2    | SPQW06P  | 2.5P    | 75        | 23        | -          | 38         | 7          | 5.5       | 8          | 3                | 5    | ○     |

| Overall length | Chamfer+ full thread | Thread length | Thread+Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|----------------------|---------------|--------------------|--------------|------------|----------------|------------------|
| L              | ℓt                   | ℓ             | ℓn                 | ℓs           | Ds         | K              | ℓk               |

## SP Spiral Fluted Taps

| Size                                      | Class | Code     | Chamfer | L (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | Type | Stock |
|-------------------------------------------|-------|----------|---------|--------|--------|---------|---------|---------|--------|---------|---------------|------|-------|
| 7/16W14                                   | P3    | SPRW07Q  | 2.5P    | 82     | 26     | -       | 42      | 8.5     | 6.5    | 9       | 3             | 5    | △     |
| 1/2W12                                    | P3    | SPRW08S  | 2.5P    | 88     | 26     | -       | 45      | 10.5    | 8      | 11      | 3             | 5    | ○     |
| 9/16W12                                   | P3    | SPRW09S  | 2.5P    | 95     | 26     | -       | 48      | 12.5    | 10     | 13      | 3             | 5    | △     |
| 5/8W11                                    | P3    | SPRW10U  | 2.5P    | 95     | 26     | -       | 48      | 12.5    | 10     | 13      | 3             | 5    | ○     |
| 3/4W10                                    | P3    | SPRW12V  | 2.5P    | 105    | 33     | -       | 50      | 15      | 12     | 15      | 4             | 7    | ○     |
| 7/8W9                                     | P3    | SPRW14W  | 2.5P    | 115    | 33     | -       | 55      | 17      | 13     | 16      | 4             | 7    | ○     |
| 1 W8                                      | P3    | SPRW16X  | 2.5P    | 125    | 39     | -       | 58      | 19      | 15     | 18      | 4             | 7    | ○     |
| 1 1/8W7                                   | P4    | SPSW18Y  | 2.5P    | 135    | 46     | -       | 62      | 23      | 17     | 20      | 4             | 7    | △     |
| 1 1/4W7                                   | P4    | SPMSW20Y | 2.5P    | 145    | 46     | -       | 67      | 24      | 19     | 22      | 4             | 7    | △     |
| 1 3/8W6                                   | P4    | SPMSW22Z | 2.5P    | 155    | 52     | -       | 71      | 28      | 21     | 24      | 4             | 7    | △     |
| 1 1/2W6                                   | P4    | SPMSW24Z | 2.5P    | 165    | 52     | -       | 76      | 30      | 23     | 26      | 4             | 7    | △     |
| 1 5/8W5                                   | P4    | SPMSW260 | 2.5P    | 175    | 59     | -       | 81      | 32      | 26     | 30      | 4             | 7    | △     |
| 1 3/4W5                                   | P4    | SPMSW280 | 2.5P    | 180    | 59     | -       | 83      | 35      | 26     | 30      | 4             | 7    | △     |
| For Screw Threads used on Sewing Machines |       |          |         |        |        |         |         |         |        |         |               |      |       |
| Size                                      | Class | Code     | Chamfer | L (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | Type | Stock |
| 3/32SM56                                  | P1    | SPPS06E  | 2.5P    | 46     | 8.1    | 14      | 29      | 3       | 2.5    | 5       | 2             | 3    | △     |
| 1/8SM40                                   | P1    | SPPS08H  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | △     |
| 1/8SM44                                   | P1    | SPPS08G  | 2.5P    | 52     | 11     | 16      | 29      | 5       | 4      | 7       | 3             | 3    | ○     |
| 9/64SM40                                  | P1    | SPPS09H  | 2.5P    | 52     | 11     | 17      | 29      | 5       | 4      | 7       | 3             | 3    | ○     |
| 11/64SM40                                 | P1    | SPPS11H  | 2.5P    | 60     | 13     | 21      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | ○     |
| 3/16SM28                                  | P2    | SPQS12K  | 2.5P    | 60     | 13     | 21      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | △     |
| 3/16SM32                                  | P2    | SPQS12J  | 2.5P    | 60     | 13     | 21      | 33      | 5.5     | 4.5    | 7       | 3             | 3    | △     |
| 7/32SM32                                  | P2    | SPQS14J  | 2.5P    | 62     | 15     | 26      | 33      | 6       | 4.5    | 7       | 3             | 3    | △     |
| 15/64SM28                                 | P2    | SPQS15K  | 2.5P    | 62     | 15     | 26      | 33      | 6       | 4.5    | 7       | 3             | 3    | △     |
| 1/4SM24                                   | P2    | SPQS16M  | 2.5P    | 62     | 15     | 26      | 33      | 6       | 4.5    | 7       | 3             | 3    | △     |
| 1/4SM40                                   | P1    | SPPS16H  | 2.5P    | 62     | 8.6    | 26      | 33      | 6       | 4.5    | 7       | 3             | 4    | △     |

Spiral Fluted Taps  
(for blind hole)

Spiral Fluted Taps  
(for through hole)

Spiral Pointed Taps  
(for through hole)

Hand Taps

Cemented  
Carbide Taps

Roll Taps

Special Thread Taps  
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools