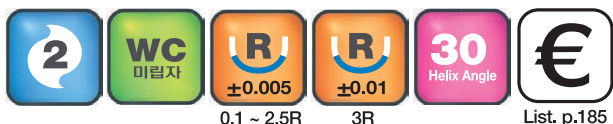


- **Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.**
- Riduzione di vibrazioni grazie all'elica corta.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente rigidità ad alte velocità e avanzamenti.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- **Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.**
- Réduit les vibrations grâce à la faible hauteur de coupe.
- Excellent pour la grande vitesse et avance.
- Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).

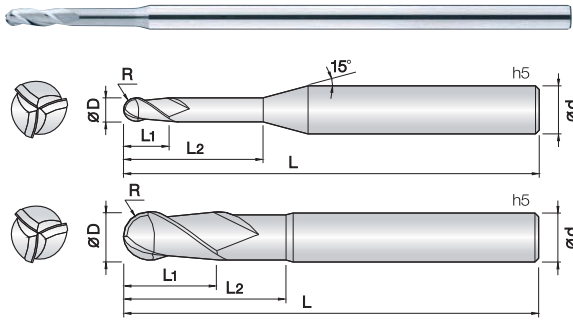


0.1 ~ 2.5R 3R List. p.185

| d | Tolleranza/Tolérance |
|---------|----------------------|
| ø 6 ~ 5 | +0 ~ -0.01 mm |
| ø 6 | -0.005 ~ -0.015 mm |

Unità: mm

| Numero d'Ordine Reference | R x D | L1 | L2 | L | d | Numero d'Ordine Reference | R x D | L1 | L2 | L | d |
|------------------------------|-------------|------|-----|----|---|------------------------------|-------------|-----|----|-----|---|
| 2MRB 002 005 S04 | 0.1R X 0.2 | 0.3 | 0.5 | 40 | 4 | 2MRB 015 060 S04 | 0.75R X 1.5 | 3 | 6 | 50 | 4 |
| 2MRB 002 010 S04 | 0.1R X 0.2 | 0.3 | 1 | 40 | 4 | 2MRB 015 100 S04 | 0.75R X 1.5 | 3 | 10 | 50 | 4 |
| 2MRB 002 015 S04 | 0.1R X 0.2 | 0.3 | 1.5 | 40 | 4 | 2MRB 015 140 S04 | 0.75R X 1.5 | 3 | 14 | 50 | 4 |
| 2MRB 002 020 S04 | 0.1R X 0.2 | 0.3 | 2 | 40 | 4 | 2MRB 015 160 S04 | 0.75R X 1.5 | 3 | 16 | 50 | 4 |
| 2MRB 003 010 S04 | 0.15R X 0.3 | 0.45 | 1 | 40 | 4 | 2MRB 015 200 S04 | 0.75R X 1.5 | 3 | 20 | 60 | 4 |
| 2MRB 003 020 S04 | 0.15R X 0.3 | 0.45 | 2 | 40 | 4 | 2MRB 015 250 S04 | 0.75R X 1.5 | 3 | 25 | 60 | 4 |
| 2MRB 003 030 S04 | 0.15R X 0.3 | 0.45 | 3 | 40 | 4 | 2MRB 015 300 S04 | 0.75R X 1.5 | 3 | 30 | 70 | 4 |
| 2MRB 003 050 S04 | 0.15R X 0.3 | 0.45 | 5 | 40 | 4 | 2MRB 016 060 S04 | 0.8R X 1.6 | 3.2 | 6 | 50 | 4 |
| 2MRB 004 020 S04 | 0.2R X 0.4 | 0.6 | 2 | 40 | 4 | 2MRB 020 080 S04 | 1R X 2 | 4 | 8 | 50 | 4 |
| 2MRB 004 030 S04 | 0.2R X 0.4 | 0.6 | 3 | 40 | 4 | 2MRB 020 100 S04 | 1R X 2 | 4 | 10 | 50 | 4 |
| 2MRB 004 040 S04 | 0.2R X 0.4 | 0.6 | 4 | 40 | 4 | 2MRB 020 120 S04 | 1R X 2 | 4 | 12 | 50 | 4 |
| 2MRB 004 050 S04 | 0.2R X 0.4 | 0.6 | 5 | 40 | 4 | 2MRB 020 140 S04 | 1R X 2 | 4 | 14 | 50 | 4 |
| 2MRB 004 060 S04 | 0.2R X 0.4 | 0.6 | 6 | 40 | 4 | 2MRB 020 160 S04 | 1R X 2 | 4 | 16 | 50 | 4 |
| 2MRB 005 020 S04 | 0.25R X 0.5 | 1 | 2 | 45 | 4 | 2MRB 020 180 S04 | 1R X 2 | 4 | 18 | 50 | 4 |
| 2MRB 005 040 S04 | 0.25R X 0.5 | 1 | 4 | 45 | 4 | 2MRB 020 200 S04 | 1R X 2 | 4 | 20 | 60 | 4 |
| 2MRB 005 060 S04 | 0.25R X 0.5 | 1 | 6 | 45 | 4 | 2MRB 020 250 S04 | 1R X 2 | 4 | 25 | 60 | 4 |
| 2MRB 005 080 S04 | 0.25R X 0.5 | 1 | 8 | 45 | 4 | 2MRB 020 300 S04 | 1R X 2 | 4 | 30 | 70 | 4 |
| 2MRB 005 100 S04 | 0.25R X 0.5 | 1 | 10 | 45 | 4 | 2MRB 020 350 S04 | 1R X 2 | 4 | 35 | 80 | 4 |
| 2MRB 006 020 S04 | 0.3R X 0.6 | 1.2 | 2 | 45 | 4 | 2MRB 020 400 S04 | 1R X 2 | 4 | 40 | 80 | 4 |
| 2MRB 006 040 S04 | 0.3R X 0.6 | 1.2 | 4 | 45 | 4 | 2MRB 025 120 S04 | 1.25R X 2.5 | 5 | 12 | 60 | 4 |
| 2MRB 006 060 S04 | 0.3R X 0.6 | 1.2 | 6 | 45 | 4 | 2MRB 025 200 S04 | 1.25R X 2.5 | 5 | 20 | 60 | 4 |
| 2MRB 006 080 S04 | 0.3R X 0.6 | 1.2 | 8 | 45 | 4 | 2MRB 030 080 S06 | 1.5R X 3 | 6 | 8 | 70 | 6 |
| 2MRB 006 100 S04 | 0.3R X 0.6 | 1.2 | 10 | 45 | 4 | 2MRB 030 120 S06 | 1.5R X 3 | 6 | 12 | 70 | 6 |
| 2MRB 007 040 S04 | 0.35R X 0.7 | 1.4 | 4 | 45 | 4 | 2MRB 030 160 S06 | 1.5R X 3 | 6 | 16 | 70 | 6 |
| 2MRB 007 060 S04 | 0.35R X 0.7 | 1.4 | 6 | 45 | 4 | 2MRB 030 200 S06 | 1.5R X 3 | 6 | 20 | 70 | 6 |
| 2MRB 007 080 S04 | 0.35R X 0.7 | 1.4 | 8 | 45 | 4 | 2MRB 030 250 S06 | 1.5R X 3 | 6 | 25 | 70 | 6 |
| 2MRB 007 100 S04 | 0.35R X 0.7 | 1.4 | 10 | 45 | 4 | 2MRB 030 300 S06 | 1.5R X 3 | 6 | 30 | 80 | 6 |
| 2MRB 008 040 S04 | 0.4R X 0.8 | 1.6 | 4 | 45 | 4 | 2MRB 030 400 S06 | 1.5R X 3 | 6 | 40 | 90 | 6 |
| 2MRB 008 060 S04 | 0.4R X 0.8 | 1.6 | 6 | 45 | 4 | 2MRB 030 450 S06 | 1.5R X 3 | 6 | 45 | 90 | 6 |
| 2MRB 008 080 S04 | 0.4R X 0.8 | 1.6 | 8 | 45 | 4 | 2MRB 040 120 S06 | 2R X 4 | 8 | 12 | 70 | 6 |
| 2MRB 008 100 S04 | 0.4R X 0.8 | 1.6 | 10 | 45 | 4 | 2MRB 040 160 S06 | 2R X 4 | 8 | 16 | 70 | 6 |
| 2MRB 008 120 S04 | 0.4R X 0.8 | 1.6 | 12 | 45 | 4 | 2MRB 040 200 S06 | 2R X 4 | 8 | 20 | 70 | 6 |
| 2MRB 009 060 S04 | 0.45R X 0.9 | 1.8 | 6 | 45 | 4 | 2MRB 040 250 S06 | 2R X 4 | 8 | 25 | 70 | 6 |
| 2MRB 009 100 S04 | 0.45R X 0.9 | 1.8 | 10 | 45 | 4 | 2MRB 040 300 S06 | 2R X 4 | 8 | 30 | 70 | 6 |
| 2MRB 009 120 S04 | 0.45R X 0.9 | 1.8 | 12 | 45 | 4 | 2MRB 040 350 S06 | 2R X 4 | 8 | 35 | 80 | 6 |
| 2MRB 010 060 S04 | 0.5R X 1 | 2 | 6 | 50 | 4 | 2MRB 040 400 S06 | 2R X 4 | 8 | 40 | 80 | 6 |
| 2MRB 010 080 S04 | 0.5R X 1 | 2 | 8 | 50 | 4 | 2MRB 040 500 S06 | 2R X 4 | 8 | 50 | 100 | 6 |
| 2MRB 010 100 S04 | 0.5R X 1 | 2 | 10 | 50 | 4 | 2MRB 050 160 S06 | 2.5R X 5 | 10 | 16 | 80 | 6 |
| 2MRB 010 120 S04 | 0.5R X 1 | 2 | 12 | 50 | 4 | 2MRB 050 250 S06 | 2.5R X 5 | 10 | 25 | 80 | 6 |
| 2MRB 010 160 S04 | 0.5R X 1 | 2 | 16 | 50 | 4 | 2MRB 050 350 S06 | 2.5R X 5 | 10 | 35 | 80 | 6 |
| 2MRB 010 200 S04 | 0.5R X 1 | 2 | 20 | 60 | 4 | 2MRB 060 250 S06 | 3R X 6 | 12 | 25 | 80 | 6 |
| 2MRB 010 250 S04 | 0.5R X 1 | 2 | 25 | 60 | 4 | 2MRB 060 350 S06 | 3R X 6 | 12 | 35 | 80 | 6 |
| 2MRB 012 060 S04 | 0.6R X 1.2 | 2.4 | 6 | 50 | 4 | 2MRB 060 500 S06 | 3R X 6 | 12 | 50 | 120 | 6 |
| 2MRB 012 080 S04 | 0.6R X 1.2 | 2.4 | 8 | 50 | 4 | 2MRB 060 600 S06 | 3R X 6 | 12 | 60 | 120 | 6 |
| 2MRB 012 100 S04 | 0.6R X 1.2 | 2.4 | 10 | 50 | 4 | | | | | | |
| 2MRB 012 120 S04 | 0.6R X 1.2 | 2.4 | 12 | 50 | 4 | | | | | | |
| 2MRB 012 160 S04 | 0.6R X 1.2 | 2.4 | 16 | 50 | 4 | | | | | | |
| 2MRB 014 060 S04 | 0.7R X 1.4 | 2.8 | 6 | 50 | 4 | | | | | | |
| 2MRB 014 100 S04 | 0.7R X 1.4 | 2.8 | 10 | 50 | 4 | | | | | | |
| 2MRB 014 160 S04 | 0.7R X 1.4 | 2.8 | 16 | 50 | 4 | | | | | | |



- Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie all'elica corta.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente rigidità ad alte velocità e avanzamenti.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.
- Réduit les vibrations grâce à la faible hauteur de coupe.
- Excellent pour la grande vitesse et avance.
- Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.
- Excellente résistance à l'usure grâce au Carbone Submicrograin (0,2 µm).

3

WC
미립자

R
±0.005

R
±0.01

R
±0.015

30°
Helix Angle

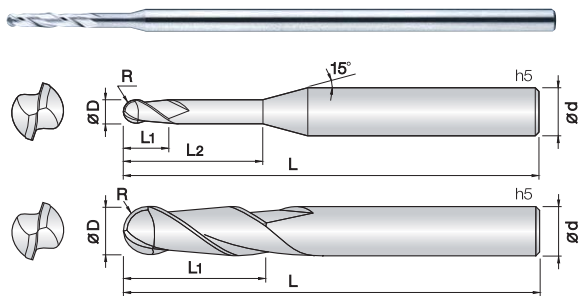
€

0.5 ~ 2R 3 ~ 6R 8R List. p.186

| d | Tolleranza/Tolérance |
|----------|----------------------|
| ø 1 ~ 4 | +0 ~ -0.01mm |
| ø 6 ~ 12 | -0.005 ~ -0.015mm |
| ø 16 | -0.01 ~ -0.02mm |

Unità: mm

| Numero d'Ordine Reference | R x D | L1 | L2 | L | d | Numero d'Ordine Reference | R x D | L1 | L2 | L | d |
|------------------------------|-------------|-----|----|-----|----|------------------------------|-------|----|----|---|---|
| 3MRB 010 050 S04 | 0.5R X 1 | 3 | 5 | 70 | 4 | | | | | | |
| 3MRB 010 100 S04 | 0.5R X 1 | 3 | 10 | 70 | 4 | | | | | | |
| 3MRB 010 150 S04 | 0.5R X 1 | 3 | 15 | 70 | 4 | | | | | | |
| 3MRB 010 200 S04 | 0.5R X 1 | 3 | 20 | 70 | 4 | | | | | | |
| 3MRB 010 250 S04 | 0.5R X 1 | 3 | 25 | 70 | 4 | | | | | | |
| 3MRB 015 100 S04 | 0.75R X 1.5 | 4.5 | 10 | 70 | 4 | | | | | | |
| 3MRB 015 150 S04 | 0.75R X 1.5 | 4.5 | 15 | 70 | 4 | | | | | | |
| 3MRB 015 200 S04 | 0.75R X 1.5 | 4.5 | 20 | 70 | 4 | | | | | | |
| 3MRB 015 250 S04 | 0.75R X 1.5 | 4.5 | 25 | 70 | 4 | | | | | | |
| 3MRB 015 300 S04 | 0.75R X 1.5 | 4.5 | 30 | 70 | 4 | | | | | | |
| 3MRB 020 100 S04 | 1R X 2 | 6 | 10 | 70 | 4 | | | | | | |
| 3MRB 020 150 S04 | 1R X 2 | 6 | 15 | 70 | 4 | | | | | | |
| 3MRB 020 200 S04 | 1R X 2 | 6 | 20 | 70 | 4 | | | | | | |
| 3MRB 020 250 S04 | 1R X 2 | 6 | 25 | 70 | 4 | | | | | | |
| 3MRB 020 300 S04 | 1R X 2 | 6 | 30 | 70 | 4 | | | | | | |
| 3MRB 030 200 080 | 1.5R X 3 | 15 | 20 | 80 | 3 | | | | | | |
| 3MRB 030 200 S04 | 1.5R X 3 | 9 | 20 | 80 | 4 | | | | | | |
| 3MRB 030 300 100 | 1.5R X 3 | 15 | 30 | 100 | 3 | | | | | | |
| 3MRB 030 300 S04 | 1.5R X 3 | 9 | 30 | 80 | 4 | | | | | | |
| 3MRB 040 200 080 | 2R X 4 | 12 | 20 | 80 | 4 | | | | | | |
| 3MRB 040 300 100 | 2R X 4 | 12 | 30 | 100 | 4 | | | | | | |
| 3MRB 060 300 100 | 3R X 6 | 18 | 30 | 100 | 6 | | | | | | |
| 3MRB 060 400 150 | 3R X 6 | 18 | 40 | 150 | 6 | | | | | | |
| 3MRB 080 400 120 | 4R X 8 | 24 | 40 | 120 | 8 | | | | | | |
| 3MRB 080 500 150 | 4R X 8 | 24 | 50 | 150 | 8 | | | | | | |
| 3MRB 100 500 120 | 5R X 10 | 30 | 50 | 120 | 10 | | | | | | |
| 3MRB 100 600 150 | 5R X 10 | 30 | 60 | 150 | 10 | | | | | | |
| 3MRB 120 600 150 | 6R X 12 | 36 | 60 | 150 | 12 | | | | | | |
| 3MRB 160 700 160 | 8R X 16 | 54 | 70 | 160 | 16 | | | | | | |



- **Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.**
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Geometria rinforzata per prevenire scheggiature.
- Elica lunga per migliorare l'evacuazione del truciolo in lavorazioni profonde.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- **Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.**
- Réduit les vibrations grâce à la hauteur de coupe faible et tolérances précises.
- Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.
- Longue hélice pour améliorer l'évacuation des copeaux.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).

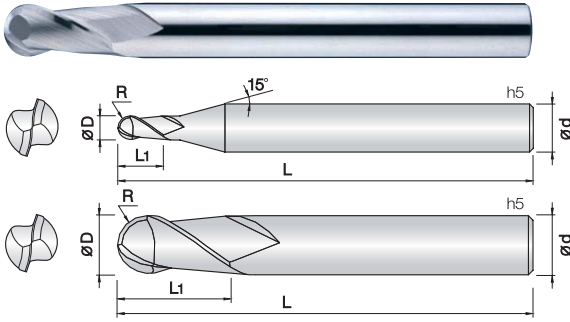


0.1 ~ 2.5R 3 ~ 6R 8R List. p.186

| d | Tolleranza/Tolérance |
|----------|----------------------|
| ø 2 ~ 5 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.005 ~ -0.015 mm |
| ø 16 | -0.01 ~ -0.02 mm |

Unità: mm

| Numero d'Ordine Reference | R x D | L1 | L2 | L | d | Numero d'Ordine Reference | R x D | L1 | L2 | L | d |
|------------------------------|-------------|-----|-----|----|---|------------------------------|-------------|----|----|-----|---|
| 2MLB 002 010 S03 | 0.1R X 0.2 | 0.4 | 1 | 40 | 3 | 2MLB 010 300 S04 | 0.5R X 1 | 5 | 30 | 80 | 4 |
| 2MLB 002 015 S03 | 0.1R X 0.2 | 0.4 | 1.5 | 40 | 3 | 2MLB 010 350 S04 | 0.5R X 1 | 5 | 35 | 100 | 4 |
| 2MLB 002 020 S03 | 0.1R X 0.2 | 0.4 | 2 | 40 | 3 | 2MLB 010 400 S04 | 0.5R X 1 | 5 | 40 | 100 | 4 |
| 2MLB 003 010 S03 | 0.15R X 0.3 | 1 | - | 45 | 3 | 2MLB 015 100 S03 | 0.75R X 1.5 | 10 | - | 80 | 3 |
| 2MLB 003 015 S03 | 0.15R X 0.3 | 1 | 1.5 | 45 | 3 | 2MLB 015 100 S04 | 0.75R X 1.5 | 10 | - | 80 | 4 |
| 2MLB 003 018 S03 | 0.15R X 0.3 | 1.8 | - | 45 | 3 | 2MLB 015 150 S03 | 0.75R X 1.5 | 10 | 15 | 80 | 3 |
| 2MLB 003 020 S03 | 0.15R X 0.3 | 1 | 2 | 45 | 3 | 2MLB 015 150 S04 | 0.75R X 1.5 | 10 | 15 | 80 | 4 |
| 2MLB 003 025 S03 | 0.15R X 0.3 | 1 | 2.5 | 45 | 3 | 2MLB 015 200 S03 | 0.75R X 1.5 | 10 | 20 | 80 | 3 |
| 2MLB 003 030 S03 | 0.15R X 0.3 | 1 | 3 | 45 | 3 | 2MLB 015 200 S04 | 0.75R X 1.5 | 10 | 20 | 80 | 4 |
| 2MLB 003 040 S03 | 0.15R X 0.3 | 1 | 4 | 45 | 3 | 2MLB 015 250 S03 | 0.75R X 1.5 | 10 | 25 | 80 | 3 |
| 2MLB 004 012 S03 | 0.2R X 0.4 | 1.2 | - | 45 | 3 | 2MLB 015 250 S04 | 0.75R X 1.5 | 10 | 25 | 80 | 4 |
| 2MLB 004 020 S03 | 0.2R X 0.4 | 2 | - | 45 | 3 | 2MLB 015 300 S03 | 0.75R X 1.5 | 10 | 30 | 80 | 3 |
| 2MLB 004 030 S03 | 0.2R X 0.4 | 1.2 | 3 | 45 | 3 | 2MLB 015 300 S04 | 0.75R X 1.5 | 10 | 30 | 80 | 4 |
| 2MLB 004 040 S03 | 0.2R X 0.4 | 1.2 | 4 | 45 | 3 | 2MLB 015 350 S04 | 0.75R X 1.5 | 10 | 35 | 100 | 4 |
| 2MLB 004 050 S03 | 0.2R X 0.4 | 1.2 | 5 | 45 | 3 | 2MLB 015 400 S04 | 0.75R X 1.5 | 10 | 40 | 100 | 4 |
| 2MLB 005 015 S03 | 0.25R X 0.5 | 1.5 | - | 50 | 3 | 2MLB 020 100 S03 | 1R X 2 | 10 | - | 80 | 3 |
| 2MLB 005 020 S03 | 0.25R X 0.5 | 2 | - | 50 | 3 | 2MLB 020 100 S04 | 1R X 2 | 10 | - | 80 | 4 |
| 2MLB 005 030 S03 | 0.25R X 0.5 | 1.5 | 3 | 50 | 3 | 2MLB 020 150 S03 | 1R X 2 | 10 | 15 | 80 | 3 |
| 2MLB 005 040 S03 | 0.25R X 0.5 | 1.5 | 4 | 50 | 3 | 2MLB 020 150 S04 | 1R X 2 | 10 | 15 | 80 | 4 |
| 2MLB 005 050 S03 | 0.25R X 0.5 | 1.5 | 5 | 50 | 3 | 2MLB 020 200 S03 | 1R X 2 | 10 | 20 | 80 | 3 |
| 2MLB 005 060 S03 | 0.25R X 0.5 | 1.5 | 6 | 50 | 3 | 2MLB 020 200 S04 | 1R X 2 | 10 | 20 | 80 | 4 |
| 2MLB 005 080 S03 | 0.25R X 0.5 | 1.5 | 8 | 50 | 3 | 2MLB 020 250 S03 | 1R X 2 | 10 | 25 | 80 | 3 |
| 2MLB 005 100 S03 | 0.25R X 0.5 | 1.5 | 10 | 50 | 3 | 2MLB 020 250 S04 | 1R X 2 | 10 | 25 | 80 | 4 |
| 2MLB 006 030 S03 | 0.3R X 0.6 | 3 | - | 50 | 3 | 2MLB 020 300 S03 | 1R X 2 | 10 | 30 | 80 | 3 |
| 2MLB 006 060 S03 | 0.3R X 0.6 | 3 | 6 | 50 | 3 | 2MLB 020 300 S04 | 1R X 2 | 10 | 30 | 80 | 4 |
| 2MLB 006 080 S03 | 0.3R X 0.6 | 3 | 8 | 50 | 3 | 2MLB 020 350 S03 | 1R X 2 | 10 | 35 | 80 | 3 |
| 2MLB 006 100 S03 | 0.3R X 0.6 | 3 | 10 | 50 | 3 | 2MLB 020 350 S04 | 1R X 2 | 10 | 35 | 100 | 4 |
| 2MLB 007 030 S03 | 0.35R X 0.7 | 3 | - | 50 | 3 | 2MLB 020 400 S03 | 1R X 2 | 10 | 40 | 80 | 3 |
| 2MLB 007 070 S03 | 0.35R X 0.7 | 3 | 7 | 50 | 3 | 2MLB 020 400 S04 | 1R X 2 | 10 | 40 | 100 | 4 |
| 2MLB 007 100 S03 | 0.35R X 0.7 | 3 | 10 | 50 | 3 | 2MLB 025 100 S03 | 1.25R X 2.5 | 10 | - | 80 | 3 |
| 2MLB 007 120 S03 | 0.35R X 0.7 | 3 | 12 | 50 | 3 | 2MLB 025 150 S03 | 1.25R X 2.5 | 15 | - | 80 | 3 |
| 2MLB 008 040 S03 | 0.4R X 0.8 | 4 | - | 50 | 3 | 2MLB 025 200 S03 | 1.25R X 2.5 | 15 | 20 | 80 | 3 |
| 2MLB 008 080 S03 | 0.4R X 0.8 | 4 | 8 | 50 | 3 | 2MLB 030 100 060 | 1.5R X 3 | 10 | - | 60 | 3 |
| 2MLB 008 100 S03 | 0.4R X 0.8 | 4 | 10 | 50 | 3 | 2MLB 030 200 080 | 1.5R X 3 | 20 | - | 80 | 3 |
| 2MLB 008 120 S03 | 0.4R X 0.8 | 4 | 12 | 50 | 3 | 2MLB 030 200 100 | 1.5R X 3 | 20 | - | 100 | 3 |
| 2MLB 009 040 S03 | 0.45R X 0.9 | 4 | - | 50 | 3 | 2MLB 030 200 120 | 1.5R X 3 | 20 | - | 120 | 3 |
| 2MLB 009 060 S03 | 0.45R X 0.9 | 4 | 6 | 50 | 3 | 2MLB 030 150 S06 | 1.5R X 3 | 15 | - | 100 | 6 |
| 2MLB 009 080 S03 | 0.45R X 0.9 | 4 | 8 | 50 | 3 | 2MLB 030 200 S06 | 1.5R X 3 | 15 | 20 | 100 | 6 |
| 2MLB 009 100 S03 | 0.45R X 0.9 | 4 | 10 | 50 | 3 | 2MLB 030 250 S06 | 1.5R X 3 | 15 | 25 | 100 | 6 |
| 2MLB 010 050 S03 | 0.5R X 1 | 5 | - | 80 | 3 | 2MLB 030 300 S06 | 1.5R X 3 | 15 | 30 | 100 | 6 |
| 2MLB 010 050 S04 | 0.5R X 1 | 5 | - | 80 | 4 | 2MLB 030 400 S06 | 1.5R X 3 | 15 | 40 | 100 | 6 |
| 2MLB 010 100 S03 | 0.5R X 1 | 5 | 10 | 80 | 3 | 2MLB 040 200 080 | 2R X 4 | 20 | - | 80 | 4 |
| 2MLB 010 100 S04 | 0.5R X 1 | 5 | 10 | 80 | 4 | 2MLB 040 200 100 | 2R X 4 | 20 | - | 100 | 4 |
| 2MLB 010 150 S03 | 0.5R X 1 | 5 | 15 | 80 | 3 | 2MLB 040 200 130 | 2R X 4 | 20 | - | 130 | 4 |
| 2MLB 010 150 S04 | 0.5R X 1 | 5 | 15 | 80 | 4 | 2MLB 040 200 S06 | 2R X 4 | 20 | - | 100 | 6 |
| 2MLB 010 200 S03 | 0.5R X 1 | 5 | 20 | 80 | 3 | 2MLB 040 250 S06 | 2R X 4 | 20 | 25 | 100 | 6 |
| 2MLB 010 200 S04 | 0.5R X 1 | 5 | 20 | 80 | 4 | 2MLB 040 300 S06 | 2R X 4 | 20 | 30 | 100 | 6 |
| 2MLB 010 250 S03 | 0.5R X 1 | 5 | 25 | 80 | 3 | 2MLB 040 400 S06 | 2R X 4 | 20 | 40 | 120 | 6 |
| 2MLB 010 250 S04 | 0.5R X 1 | 5 | 25 | 80 | 4 | 2MLB 040 500 S06 | 2R X 4 | 20 | 50 | 120 | 6 |
| 2MLB 010 300 S03 | 0.5R X 1 | 5 | 30 | 80 | 3 | 2MLB 050 300 100 | 2.5R X 5 | 30 | - | 100 | 5 |



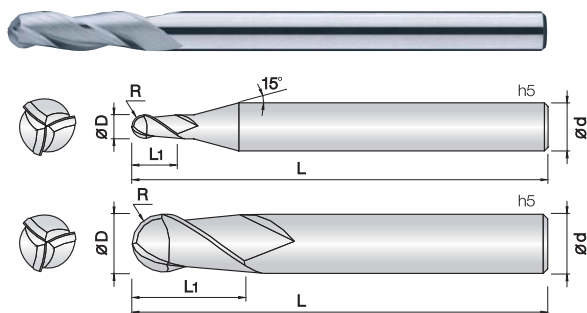
- Fresa per acciai dolci, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Ottima finitura superficiale.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- **Fraise pour aciers doux, A.B.S., aluminium et métaux non ferreux.**
- *Reduit les vibrations grâce à la hauteur de coupe faible et tolérances précises.*
- *Excellent finition de surface.*
- *Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).*



| d | Tolleranza/Tolérance |
|--------------|----------------------|
| Ø 0.1 ~ 0.15 | +0 ~ -0.005 mm |
| Ø 0.2 ~ 5 | +0 ~ -0.01 mm |
| Ø 6 ~ 12 | -0.005 ~ -0.015 mm |

Unità: mm

| Numero d'Ordine Reference | R x D | L1 | L | d | Numero d'Ordine Reference | R x D | L1 | L | d |
|------------------------------|---------------|-----|-----|----|------------------------------|-------|----|---|---|
| 2MBE 001 002 S03 | 0.05R X 0.1 | 0.2 | 40 | 3 | | | | | |
| 2MBE 0015 003 S03 | 0.075R X 0.15 | 0.3 | 40 | 3 | | | | | |
| 2MBE 002 004 S03 | 0.1R X 0.2 | 0.4 | 40 | 3 | | | | | |
| 2MBE 003 006 S03 | 0.15R X 0.3 | 0.6 | 40 | 3 | | | | | |
| 2MBE 004 008 S03 | 0.2R X 0.4 | 0.8 | 40 | 3 | | | | | |
| 2MBE 005 010 S03 | 0.25R X 0.5 | 1 | 40 | 3 | | | | | |
| 2MBE 006 012 S03 | 0.3R X 0.6 | 1.2 | 40 | 3 | | | | | |
| 2MBE 007 014 S03 | 0.35R X 0.7 | 1.4 | 40 | 3 | | | | | |
| 2MBE 008 016 S03 | 0.4R X 0.8 | 1.6 | 40 | 3 | | | | | |
| 2MBE 009 018 S03 | 0.45R X 0.9 | 1.8 | 40 | 3 | | | | | |
| 2MBE 010 025 S03 | 0.5R X 1 | 2.5 | 50 | 3 | | | | | |
| 2MBE 010 025 S06 | 0.5R X 1 | 2.5 | 50 | 6 | | | | | |
| 2MBE 010 025 100 | 0.5R X 1 | 2.5 | 100 | 6 | | | | | |
| 2MBE 011 025 S03 | 0.55R X 1.1 | 2.5 | 50 | 3 | | | | | |
| 2MBE 012 030 S03 | 0.6R X 1.2 | 3 | 50 | 3 | | | | | |
| 2MBE 015 040 S03 | 0.75R X 1.5 | 4 | 50 | 3 | | | | | |
| 2MBE 015 040 100 | 0.75R X 1.5 | 4 | 100 | 6 | | | | | |
| 2MBE 020 050 S03 | 1R X 2 | 5 | 50 | 3 | | | | | |
| 2MBE 020 050 S06 | 1R X 2 | 5 | 50 | 6 | | | | | |
| 2MBE 020 050 100 | 1R X 2 | 5 | 100 | 6 | | | | | |
| 2MBE 025 060 S03 | 1.25R X 2.5 | 6 | 50 | 3 | | | | | |
| 2MBE 025 060 100 | 1.25R X 2.5 | 6 | 100 | 6 | | | | | |
| 2MBE 030 080 S03 | 1.5R X 3 | 8 | 60 | 3 | | | | | |
| 2MBE 030 080 S06 | 1.5R X 3 | 8 | 60 | 6 | | | | | |
| 2MBE 030 080 100 | 1.5R X 3 | 8 | 100 | 6 | | | | | |
| 2MBE 035 080 S06 | 1.75R X 3.5 | 8 | 65 | 6 | | | | | |
| 2MBE 040 080 S06 | 2R X 4 | 8 | 70 | 6 | | | | | |
| 2MBE 040 080 120 | 2R X 4 | 8 | 120 | 6 | | | | | |
| 2MBE 050 120 S06 | 2.5R X 5 | 12 | 75 | 6 | | | | | |
| 2MBE 060 120 080 | 3R X 6 | 12 | 80 | 6 | | | | | |
| 2MBE 060 120 100 | 3RX 6 | 12 | 100 | 6 | | | | | |
| 2MBE 080 140 090 | 4R X 8 | 14 | 90 | 8 | | | | | |
| 2MBE 080 140 110 | 4RX 8 | 14 | 110 | 8 | | | | | |
| 2MBE 100 180 100 | 5R X 10 | 18 | 100 | 10 | | | | | |
| 2MBE 100 180 120 | 5RX 10 | 18 | 120 | 10 | | | | | |
| 2MBE 120 220 110 | 6R X 12 | 22 | 110 | 12 | | | | | |
| 2MBE 120 220 130 | 6RX 12 | 22 | 130 | 12 | | | | | |



- Fresa per acciai dolci, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Ottima finitura superficiale.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- Fraise pour aciers doux, A.B.S., aluminium et métaux non ferreux.
- Réduit les vibrations grâce à la hauteur de coupe faible et tolérances précises.
- Excellent finition de surface.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).



0.15R ~ 2R

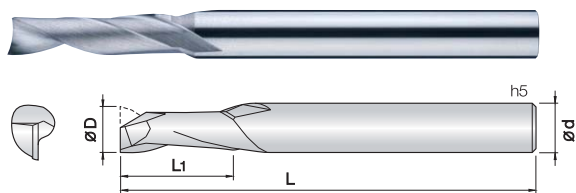
3R

List. p.189

| d | Tolleranza/Tolérance |
|-----------|----------------------|
| ø 0.3 ~ 4 | +0 ~ -0.01 mm |
| ø 6 | -0.005 ~ -0.015 mm |

Unità: mm

| Numero d'Ordine Reference | R x D | L1 | L | d | Numero d'Ordine Reference | R x D | L1 | L | d |
|------------------------------|-------------|-----|-----|---|------------------------------|-------|----|---|---|
| 3MBE 003 008 S04 | 0.15R X 0.3 | 0.8 | 40 | 4 | | | | | |
| 3MBE 003 012 S04 | 0.15R X 0.3 | 1.2 | 40 | 4 | | | | | |
| 3MBE 004 010 S04 | 0.2R X 0.4 | 1 | 40 | 4 | | | | | |
| 3MBE 004 015 S04 | 0.2R X 0.4 | 1.5 | 40 | 4 | | | | | |
| 3MBE 005 013 S04 | 0.25R X 0.5 | 1.3 | 45 | 4 | | | | | |
| 3MBE 005 020 S04 | 0.25R X 0.5 | 2 | 45 | 4 | | | | | |
| 3MBE 006 015 S04 | 0.3R X 0.6 | 1.5 | 45 | 4 | | | | | |
| 3MBE 006 024 S04 | 0.3R X 0.6 | 2.4 | 45 | 4 | | | | | |
| 3MBE 007 018 S04 | 0.35R X 0.7 | 1.8 | 45 | 4 | | | | | |
| 3MBE 007 028 S04 | 0.35R X 0.7 | 2.8 | 45 | 4 | | | | | |
| 3MBE 008 020 S04 | 0.4R X 0.8 | 2 | 45 | 4 | | | | | |
| 3MBE 008 032 S04 | 0.4R X 0.8 | 3.2 | 45 | 4 | | | | | |
| 3MBE 009 025 S04 | 0.45R X 0.9 | 2.5 | 50 | 4 | | | | | |
| 3MBE 009 036 S04 | 0.45R X 0.9 | 3.6 | 50 | 4 | | | | | |
| 3MBE 010 025 S04 | 0.5R X 1 | 2.5 | 50 | 4 | | | | | |
| 3MBE 010 040 S04 | 0.5R X 1 | 4 | 50 | 4 | | | | | |
| 3MBE 010 060 S04 | 0.5R X 1 | 6 | 60 | 4 | | | | | |
| 3MBE 012 030 S04 | 0.6R X 1.2 | 3 | 50 | 4 | | | | | |
| 3MBE 012 050 S04 | 0.6R X 1.2 | 5 | 50 | 4 | | | | | |
| 3MBE 012 070 S04 | 0.6R X 1.2 | 7 | 60 | 4 | | | | | |
| 3MBE 015 040 S04 | 0.75R X 1.5 | 4 | 50 | 4 | | | | | |
| 3MBE 015 060 S04 | 0.75R X 1.5 | 6 | 50 | 4 | | | | | |
| 3MBE 015 090 S04 | 0.75R X 1.5 | 9 | 60 | 4 | | | | | |
| 3MBE 020 050 S04 | 1R X 2 | 5 | 50 | 4 | | | | | |
| 3MBE 020 080 S04 | 1R X 2 | 8 | 50 | 4 | | | | | |
| 3MBE 020 100 S04 | 1R X 2 | 10 | 60 | 4 | | | | | |
| 3MBE 025 060 S04 | 1.25R X 2.5 | 6 | 50 | 4 | | | | | |
| 3MBE 025 100 S04 | 1.25R X 2.5 | 10 | 60 | 4 | | | | | |
| 3MBE 025 150 S04 | 1.25R X 2.5 | 15 | 70 | 4 | | | | | |
| 3MBE 030 080 S04 | 1.5R X 3 | 8 | 50 | 4 | | | | | |
| 3MBE 030 120 S04 | 1.5R X 3 | 12 | 60 | 4 | | | | | |
| 3MBE 030 150 S04 | 1.5R X 3 | 15 | 80 | 4 | | | | | |
| 3MBE 040 100 S04 | 2R X 4 | 10 | 60 | 4 | | | | | |
| 3MBE 040 150 S04 | 2R X 4 | 15 | 80 | 4 | | | | | |
| 3MBE 060 200 S06 | 3R X 6 | 20 | 80 | 6 | | | | | |
| 3MBE 060 300 S06 | 3R X 6 | 30 | 110 | 6 | | | | | |

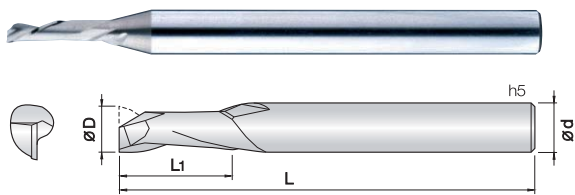


- Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.
- Eccellente evacuazione del truciolo grazie alla geometria specifica.
- Ottima per il taglio e lavorazioni in parete.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- *Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.*
- *Excellent évacuation des copeaux grâce à la géométrie spéciale.*
- *Eccellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).*



| d | Tolleranza/Tolérance |
|-----------|----------------------|
| ø 0.2 ~ 5 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.01 ~ -0.025 mm |

| Numero d'Ordine Reference | D | L1 | L | d | Numero d'Ordine Reference | D | L1 | L | d |
|------------------------------|-----|-----|----|---|------------------------------|----|----|-----|----|
| 1MEM 002 004 S04 | 0.2 | 0.4 | 40 | 4 | 1MEM 050 130 S06 | 5 | 13 | 60 | 6 |
| 1MEM 002 005 S04 | 0.2 | 0.5 | 40 | 4 | 1MEM 050 200 S06 | 5 | 20 | 60 | 6 |
| 1MEM 003 006 S04 | 0.3 | 0.6 | 40 | 4 | 1MEM 050 250 S06 | 5 | 25 | 60 | 6 |
| 1MEM 003 009 S04 | 0.3 | 0.9 | 40 | 4 | 1MEM 050 300 S06 | 5 | 30 | 75 | 6 |
| 1MEM 004 008 S04 | 0.4 | 0.8 | 40 | 4 | 1MEM 060 150 S06 | 6 | 15 | 60 | 6 |
| 1MEM 004 012 S04 | 0.4 | 1.2 | 40 | 4 | 1MEM 060 200 S06 | 6 | 20 | 60 | 6 |
| 1MEM 005 010 S04 | 0.5 | 1 | 40 | 4 | 1MEM 060 250 S06 | 6 | 25 | 60 | 6 |
| 1MEM 005 015 S04 | 0.5 | 1.5 | 40 | 4 | 1MEM 060 300 S06 | 6 | 30 | 70 | 6 |
| 1MEM 006 012 S04 | 0.6 | 1.2 | 40 | 4 | 1MEM 060 410 S06 | 6 | 41 | 90 | 6 |
| 1MEM 006 018 S04 | 0.6 | 1.8 | 40 | 4 | 1MEM 080 190 S08 | 8 | 19 | 70 | 8 |
| 1MEM 007 014 S04 | 0.7 | 1.4 | 40 | 4 | 1MEM 080 250 S08 | 8 | 25 | 75 | 8 |
| 1MEM 007 021 S04 | 0.7 | 2.1 | 40 | 4 | 1MEM 080 300 S08 | 8 | 30 | 80 | 8 |
| 1MEM 008 016 S04 | 0.8 | 1.6 | 40 | 4 | 1MEM 080 410 S08 | 8 | 41 | 90 | 8 |
| 1MEM 008 024 S04 | 0.8 | 2.4 | 40 | 4 | 1MEM 100 220 S10 | 10 | 22 | 75 | 10 |
| 1MEM 009 018 S04 | 0.9 | 1.8 | 40 | 4 | 1MEM 100 300 S10 | 10 | 30 | 80 | 10 |
| 1MEM 009 027 S04 | 0.9 | 2.7 | 40 | 4 | 1MEM 100 410 S10 | 10 | 41 | 100 | 10 |
| 1MEM 010 025 S06 | 1 | 2.5 | 45 | 6 | 1MEM 120 260 S12 | 12 | 26 | 75 | 12 |
| 1MEM 010 030 S06 | 1 | 3 | 45 | 6 | 1MEM 120 350 S12 | 12 | 35 | 90 | 12 |
| 1MEM 010 035 S06 | 1 | 3.5 | 45 | 6 | 1MEM 120 510 S12 | 12 | 51 | 110 | 12 |
| 1MEM 010 045 S06 | 1 | 4.5 | 45 | 6 | | | | | |
| 1MEM 010 060 S06 | 1 | 6 | 50 | 6 | | | | | |
| 1MEM 010 070 S06 | 1 | 7 | 50 | 6 | | | | | |
| 1MEM 012 030 S06 | 1.2 | 3 | 45 | 6 | | | | | |
| 1MEM 012 050 S06 | 1.2 | 5 | 45 | 6 | | | | | |
| 1MEM 012 060 S06 | 1.2 | 6 | 50 | 6 | | | | | |
| 1MEM 015 040 S06 | 1.5 | 4 | 45 | 6 | | | | | |
| 1MEM 015 060 S06 | 1.5 | 6 | 50 | 6 | | | | | |
| 1MEM 015 080 S06 | 1.5 | 8 | 50 | 6 | | | | | |
| 1MEM 015 100 S06 | 1.5 | 10 | 50 | 6 | | | | | |
| 1MEM 015 120 S06 | 1.5 | 12 | 50 | 6 | | | | | |
| 1MEM 020 060 S06 | 2 | 6 | 50 | 6 | | | | | |
| 1MEM 020 080 S06 | 2 | 8 | 50 | 6 | | | | | |
| 1MEM 020 100 S06 | 2 | 10 | 50 | 6 | | | | | |
| 1MEM 020 120 S06 | 2 | 12 | 50 | 6 | | | | | |
| 1MEM 020 140 S06 | 2 | 14 | 55 | 6 | | | | | |
| 1MEM 020 160 S06 | 2 | 16 | 60 | 6 | | | | | |
| New 1MEM 025 080 S06 | 2.5 | 8 | 50 | 6 | | | | | |
| New 1MEM 025 100 S06 | 2.5 | 10 | 50 | 6 | | | | | |
| New 1MEM 025 120 S06 | 2.5 | 12 | 50 | 6 | | | | | |
| New 1MEM 025 160 S06 | 2.5 | 16 | 60 | 6 | | | | | |
| 1MEM 030 080 S06 | 3 | 8 | 50 | 6 | | | | | |
| 1MEM 030 120 S06 | 3 | 12 | 50 | 6 | | | | | |
| 1MEM 030 150 S06 | 3 | 15 | 50 | 6 | | | | | |
| 1MEM 030 200 S06 | 3 | 20 | 60 | 6 | | | | | |
| 1MEM 030 250 S06 | 3 | 25 | 70 | 6 | | | | | |
| 1MEM 040 100 S06 | 4 | 10 | 50 | 6 | | | | | |
| 1MEM 040 150 S06 | 4 | 15 | 50 | 6 | | | | | |
| 1MEM 040 200 S06 | 4 | 20 | 60 | 6 | | | | | |
| 1MEM 040 250 S06 | 4 | 25 | 70 | 6 | | | | | |
| 1MEM 040 300 S06 | 4 | 30 | 75 | 6 | | | | | |



- Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.
- Eccellente evacuazione del truciolo verso il basso grazie all'elica sinistra.
- Ottima per staffaggi non rigidi.
- Lavorazioni senza bave.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- *Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.*
- *Evacuation des copeaux grâce à la l'hélice gauche.*
- *Usinage sans bavure.*
- *Eccellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).*



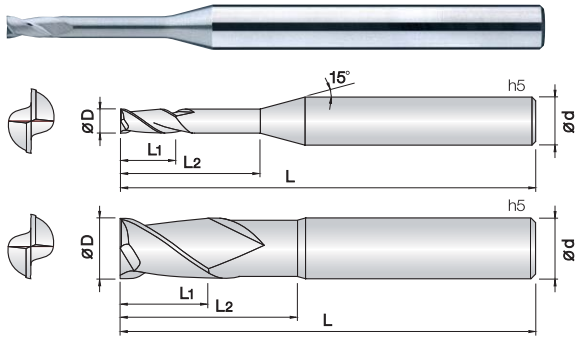
| d | Tolleranza/Tolérance |
|-----------|----------------------|
| ø 0.5 ~ 5 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.01 ~ -0.025 mm |

Unità: mm

| Numero d'Ordine Reference | D | L1 | L | d | | Numero d'Ordine Reference | D | L1 | L | d | |
|------------------------------|-----|-----|-----|----|--|------------------------------|---|----|---|---|--|
| 1REM 005 010 S04 | 0.5 | 1 | 45 | 4 | | | | | | | |
| 1REM 005 015 S04 | 0.5 | 1.5 | 45 | 4 | | | | | | | |
| 1REM 005 020 S04 | 0.5 | 2 | 45 | 4 | | | | | | | |
| 1REM 006 012 S04 | 0.6 | 1.2 | 45 | 4 | | | | | | | |
| 1REM 006 018 S04 | 0.6 | 1.8 | 45 | 4 | | | | | | | |
| 1REM 006 025 S04 | 0.6 | 2.5 | 45 | 4 | | | | | | | |
| 1REM 007 014 S04 | 0.7 | 1.4 | 45 | 4 | | | | | | | |
| 1REM 007 021 S04 | 0.7 | 2.1 | 45 | 4 | | | | | | | |
| 1REM 008 016 S04 | 0.8 | 1.6 | 45 | 4 | | | | | | | |
| 1REM 008 024 S04 | 0.8 | 2.4 | 45 | 4 | | | | | | | |
| 1REM 008 030 S04 | 0.8 | 3 | 45 | 4 | | | | | | | |
| 1REM 009 018 S04 | 0.9 | 1.8 | 45 | 4 | | | | | | | |
| 1REM 010 030 S06 | 1 | 3 | 50 | 6 | | | | | | | |
| 1REM 010 040 S06 | 1 | 4 | 50 | 6 | | | | | | | |
| 1REM 010 050 S06 | 1 | 5 | 50 | 6 | | | | | | | |
| 1REM 010 060 S06 | 1 | 6 | 60 | 6 | | | | | | | |
| 1REM 012 040 S06 | 1.2 | 4 | 50 | 6 | | | | | | | |
| 1REM 012 060 S06 | 1.2 | 6 | 50 | 6 | | | | | | | |
| 1REM 015 040 S06 | 1.5 | 4 | 50 | 6 | | | | | | | |
| 1REM 015 060 S06 | 1.5 | 6 | 50 | 6 | | | | | | | |
| 1REM 015 080 S06 | 1.5 | 8 | 50 | 6 | | | | | | | |
| 1REM 020 060 S06 | 2 | 6 | 60 | 6 | | | | | | | |
| 1REM 020 080 S06 | 2 | 8 | 60 | 6 | | | | | | | |
| 1REM 020 100 S06 | 2 | 10 | 60 | 6 | | | | | | | |
| 1REM 020 120 S06 | 2 | 12 | 60 | 6 | | | | | | | |
| 1REM 025 060 S06 | 2.5 | 6 | 60 | 6 | | | | | | | |
| 1REM 025 080 S06 | 2.5 | 8 | 60 | 6 | | | | | | | |
| 1REM 025 100 S06 | 2.5 | 10 | 60 | 6 | | | | | | | |
| 1REM 030 080 S06 | 3 | 8 | 60 | 6 | | | | | | | |
| 1REM 030 120 S06 | 3 | 12 | 65 | 6 | | | | | | | |
| 1REM 030 160 S06 | 3 | 16 | 70 | 6 | | | | | | | |
| 1REM 040 120 S06 | 4 | 12 | 65 | 6 | | | | | | | |
| 1REM 040 160 S06 | 4 | 16 | 70 | 6 | | | | | | | |
| 1REM 040 200 S06 | 4 | 20 | 70 | 6 | | | | | | | |
| 1REM 050 150 S06 | 5 | 15 | 70 | 6 | | | | | | | |
| 1REM 050 220 S06 | 5 | 22 | 75 | 6 | | | | | | | |
| 1REM 060 270 S06 | 6 | 27 | 75 | 6 | | | | | | | |
| 1REM 080 260 S08 | 8 | 26 | 80 | 8 | | | | | | | |
| 1REM 080 320 S08 | 8 | 32 | 90 | 8 | | | | | | | |
| 1REM 100 300 S10 | 10 | 30 | 90 | 10 | | | | | | | |
| 1REM 120 350 S12 | 12 | 35 | 100 | 12 | | | | | | | |
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FOR A.B.S.

2MRE *Fraise Cylindrique 2 Coupes pour Rainurage* *Fresa Cilindrica 2 Tagli per Nervature*



- **Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.**
- Riduzione di vibrazioni grazie all'elica corta.
- Eccellente rigidità ad alte velocità e avanzamenti.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- **Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.**
- Réduit les vibrations grâce à la hauteur de coupe faible.
- Excellent pour la grande vitesse et avance.
- Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).

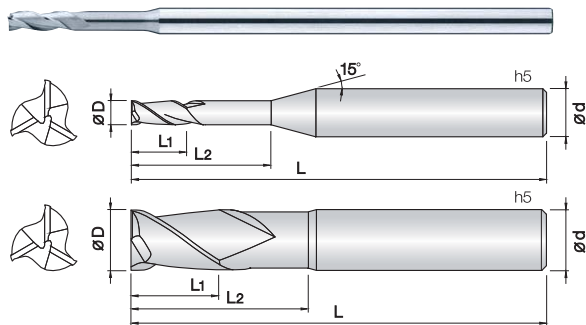


| d | Tolleranza/Tolérance |
|-----------|----------------------|
| ø 0.2 ~ 5 | +0 ~ -0.01mm |
| ø 6 | -0.01 ~ -0.025mm |

Unità: mm

| Numero d'Ordine Reference | D | L1 | L2 | L | d | Numero d'Ordine Reference | D | L1 | L2 | L | d |
|------------------------------|-----|------|-----|----|---|------------------------------|-----|-----|----|-----|---|
| 2MRE 002 005 S04 | 0.2 | 0.3 | 0.5 | 40 | 4 | 2MRE 015 060 S04 | 1.5 | 3 | 6 | 50 | 4 |
| 2MRE 002 010 S04 | 0.2 | 0.3 | 1 | 40 | 4 | 2MRE 015 100 S04 | 1.5 | 3 | 10 | 50 | 4 |
| 2MRE 002 015 S04 | 0.2 | 0.3 | 1.5 | 40 | 4 | 2MRE 015 140 S04 | 1.5 | 3 | 14 | 50 | 4 |
| 2MRE 002 020 S04 | 0.2 | 0.3 | 2 | 40 | 4 | 2MRE 015 160 S04 | 1.5 | 3 | 16 | 50 | 4 |
| 2MRE 003 010 S04 | 0.3 | 0.45 | 1 | 40 | 4 | 2MRE 015 200 S04 | 1.5 | 3 | 20 | 60 | 4 |
| 2MRE 003 020 S04 | 0.3 | 0.45 | 2 | 40 | 4 | 2MRE 015 250 S04 | 1.5 | 3 | 25 | 60 | 4 |
| 2MRE 003 030 S04 | 0.3 | 0.45 | 3 | 40 | 4 | 2MRE 015 300 S04 | 1.5 | 3 | 30 | 70 | 4 |
| 2MRE 003 050 S04 | 0.3 | 0.45 | 5 | 40 | 4 | 2MRE 016 060 S04 | 1.6 | 3.2 | 6 | 50 | 4 |
| 2MRE 004 020 S04 | 0.4 | 0.6 | 2 | 40 | 4 | 2MRE 020 080 S04 | 2 | 4 | 8 | 50 | 4 |
| 2MRE 004 030 S04 | 0.4 | 0.6 | 3 | 40 | 4 | 2MRE 020 100 S04 | 2 | 4 | 10 | 50 | 4 |
| 2MRE 004 040 S04 | 0.4 | 0.6 | 4 | 40 | 4 | 2MRE 020 120 S04 | 2 | 4 | 12 | 50 | 4 |
| 2MRE 004 050 S04 | 0.4 | 0.6 | 5 | 40 | 4 | 2MRE 020 140 S04 | 2 | 4 | 14 | 50 | 4 |
| 2MRE 004 060 S04 | 0.4 | 0.6 | 6 | 40 | 4 | 2MRE 020 160 S04 | 2 | 4 | 16 | 50 | 4 |
| 2MRE 005 020 S04 | 0.5 | 1 | 2 | 45 | 4 | 2MRE 020 180 S04 | 2 | 4 | 18 | 50 | 4 |
| 2MRE 005 040 S04 | 0.5 | 1 | 4 | 45 | 4 | 2MRE 020 200 S04 | 2 | 4 | 20 | 60 | 4 |
| 2MRE 005 060 S04 | 0.5 | 1 | 6 | 45 | 4 | 2MRE 020 250 S04 | 2 | 4 | 25 | 60 | 4 |
| 2MRE 005 080 S04 | 0.5 | 1 | 8 | 45 | 4 | 2MRE 020 300 S04 | 2 | 4 | 30 | 70 | 4 |
| 2MRE 005 100 S04 | 0.5 | 1 | 10 | 45 | 4 | 2MRE 020 350 S04 | 2 | 4 | 35 | 80 | 4 |
| 2MRE 006 020 S04 | 0.6 | 1.2 | 2 | 45 | 4 | 2MRE 020 400 S04 | 2 | 4 | 40 | 80 | 4 |
| 2MRE 006 040 S04 | 0.6 | 1.2 | 4 | 45 | 4 | 2MRE 025 120 S04 | 2.5 | 5 | 12 | 60 | 4 |
| 2MRE 006 060 S04 | 0.6 | 1.2 | 6 | 45 | 4 | 2MRE 025 200 S04 | 2.5 | 5 | 20 | 60 | 4 |
| 2MRE 006 080 S04 | 0.6 | 1.2 | 8 | 45 | 4 | 2MRE 030 080 S06 | 3 | 6 | 8 | 70 | 6 |
| 2MRE 006 100 S04 | 0.6 | 1.2 | 10 | 45 | 4 | 2MRE 030 120 S06 | 3 | 6 | 12 | 70 | 6 |
| 2MRE 007 040 S04 | 0.7 | 1.4 | 4 | 45 | 4 | 2MRE 030 160 S06 | 3 | 6 | 16 | 70 | 6 |
| 2MRE 007 060 S04 | 0.7 | 1.4 | 6 | 45 | 4 | 2MRE 030 200 S06 | 3 | 6 | 20 | 70 | 6 |
| 2MRE 007 080 S04 | 0.7 | 1.4 | 8 | 45 | 4 | 2MRE 030 250 S06 | 3 | 6 | 25 | 70 | 6 |
| 2MRE 007 100 S04 | 0.7 | 1.4 | 10 | 45 | 4 | 2MRE 030 300 S06 | 3 | 6 | 30 | 80 | 6 |
| 2MRE 008 040 S04 | 0.8 | 1.6 | 4 | 45 | 4 | 2MRE 030 400 S06 | 3 | 6 | 40 | 90 | 6 |
| 2MRE 008 060 S04 | 0.8 | 1.6 | 6 | 45 | 4 | 2MRE 030 450 S06 | 3 | 6 | 45 | 90 | 6 |
| 2MRE 008 080 S04 | 0.8 | 1.6 | 8 | 45 | 4 | 2MRE 040 120 S06 | 4 | 8 | 12 | 70 | 6 |
| 2MRE 008 100 S04 | 0.8 | 1.6 | 10 | 45 | 4 | 2MRE 040 160 S06 | 4 | 8 | 16 | 70 | 6 |
| 2MRE 008 120 S04 | 0.8 | 1.6 | 12 | 45 | 4 | 2MRE 040 200 S06 | 4 | 8 | 20 | 70 | 6 |
| 2MRE 009 060 S04 | 0.9 | 1.8 | 6 | 45 | 4 | 2MRE 040 250 S06 | 4 | 8 | 25 | 70 | 6 |
| 2MRE 009 100 S04 | 0.9 | 1.8 | 10 | 45 | 4 | 2MRE 040 300 S06 | 4 | 8 | 30 | 70 | 6 |
| 2MRE 009 120 S04 | 0.9 | 1.8 | 12 | 45 | 4 | 2MRE 040 350 S06 | 4 | 8 | 35 | 80 | 6 |
| 2MRE 010 060 S04 | 1 | 2 | 6 | 50 | 4 | 2MRE 040 400 S06 | 4 | 8 | 40 | 80 | 6 |
| 2MRE 010 080 S04 | 1 | 2 | 8 | 50 | 4 | 2MRE 040 500 S06 | 4 | 8 | 50 | 100 | 6 |
| 2MRE 010 100 S04 | 1 | 2 | 10 | 50 | 4 | 2MRE 050 160 S06 | 5 | 10 | 16 | 80 | 6 |
| 2MRE 010 120 S04 | 1 | 2 | 12 | 50 | 4 | 2MRE 050 250 S06 | 5 | 10 | 25 | 80 | 6 |
| 2MRE 010 160 S04 | 1 | 2 | 16 | 50 | 4 | 2MRE 050 350 S06 | 5 | 10 | 35 | 80 | 6 |
| 2MRE 010 200 S04 | 1 | 2 | 20 | 60 | 4 | 2MRE 060 250 S06 | 6 | 12 | 25 | 80 | 6 |
| 2MRE 010 250 S04 | 1 | 2 | 25 | 60 | 4 | 2MRE 060 350 S06 | 6 | 12 | 35 | 80 | 6 |
| 2MRE 012 060 S04 | 1.2 | 2.4 | 6 | 50 | 4 | 2MRE 060 500 S06 | 6 | 12 | 50 | 120 | 6 |
| 2MRE 012 080 S04 | 1.2 | 2.4 | 8 | 50 | 4 | 2MRE 060 600 S06 | 6 | 12 | 60 | 120 | 6 |
| 2MRE 012 100 S04 | 1.2 | 2.4 | 10 | 50 | 4 | | | | | | |
| 2MRE 012 120 S04 | 1.2 | 2.4 | 12 | 50 | 4 | | | | | | |
| 2MRE 012 160 S04 | 1.2 | 2.4 | 16 | 50 | 4 | | | | | | |
| 2MRE 014 060 S04 | 1.4 | 2.8 | 6 | 50 | 4 | | | | | | |
| 2MRE 014 100 S04 | 1.4 | 2.8 | 10 | 50 | 4 | | | | | | |
| 2MRE 014 160 S04 | 1.4 | 2.8 | 16 | 50 | 4 | | | | | | |

FOR A.B.S.



- Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie all'elica corta.
- Eccellente rigidità ad alte velocità e avanzamenti.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- *Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.*
- *Reduit les vibrations grâce à la hauteur de coupe faible.*
- *Excellent pour la grande vitesse et avance.*
- *Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.*
- *Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).*

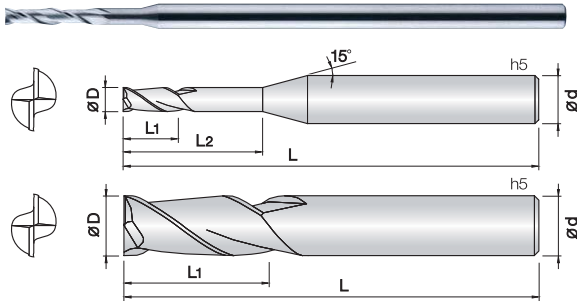


| d | Tolleranza/Tolérance |
|----------|----------------------|
| ø 1 ~ 4 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.01 ~ -0.025 mm |
| ø 16 | -0.015 ~ -0.03 mm |

List. p.192

Unità: mm

| Numero d'Ordine Reference | D | L1 | L2 | L | d | Numero d'Ordine Reference | D | L1 | L2 | L | d |
|------------------------------|-----|-----|----|-----|----|------------------------------|---|----|----|---|---|
| 3MRE 010 050 S04 | 1 | 3 | 5 | 70 | 4 | | | | | | |
| 3MRE 010 100 S04 | 1 | 3 | 10 | 70 | 4 | | | | | | |
| 3MRE 010 150 S04 | 1 | 3 | 15 | 70 | 4 | | | | | | |
| 3MRE 010 200 S04 | 1 | 3 | 20 | 70 | 4 | | | | | | |
| 3MRE 010 250 S04 | 1 | 3 | 25 | 70 | 4 | | | | | | |
| 3MRE 015 100 S04 | 1.5 | 4.5 | 10 | 70 | 4 | | | | | | |
| 3MRE 015 150 S04 | 1.5 | 4.5 | 15 | 70 | 4 | | | | | | |
| 3MRE 015 200 S04 | 1.5 | 4.5 | 20 | 70 | 4 | | | | | | |
| 3MRE 015 250 S04 | 1.5 | 4.5 | 25 | 70 | 4 | | | | | | |
| 3MRE 015 300 S04 | 1.5 | 4.5 | 30 | 70 | 4 | | | | | | |
| 3MRE 020 100 S04 | 2 | 6 | 10 | 70 | 4 | | | | | | |
| 3MRE 020 150 S04 | 2 | 6 | 15 | 70 | 4 | | | | | | |
| 3MRE 020 200 S04 | 2 | 6 | 20 | 70 | 4 | | | | | | |
| 3MRE 020 250 S04 | 2 | 6 | 25 | 70 | 4 | | | | | | |
| 3MRE 020 300 S04 | 2 | 6 | 30 | 70 | 4 | | | | | | |
| 3MRE 030 200 080 | 3 | 15 | 20 | 80 | 3 | | | | | | |
| 3MRE 030 200 S04 | 3 | 9 | 20 | 80 | 4 | | | | | | |
| 3MRE 030 300 100 | 3 | 15 | 30 | 100 | 3 | | | | | | |
| 3MRE 030 300 S04 | 3 | 9 | 30 | 80 | 4 | | | | | | |
| 3MRE 040 200 080 | 4 | 12 | 20 | 80 | 4 | | | | | | |
| 3MRE 040 300 100 | 4 | 12 | 30 | 100 | 4 | | | | | | |
| 3MRE 060 300 100 | 6 | 18 | 30 | 100 | 6 | | | | | | |
| 3MRE 060 400 150 | 6 | 18 | 40 | 150 | 6 | | | | | | |
| 3MRE 080 400 120 | 8 | 24 | 40 | 120 | 8 | | | | | | |
| 3MRE 080 500 150 | 8 | 24 | 50 | 150 | 8 | | | | | | |
| 3MRE 100 500 120 | 10 | 30 | 50 | 120 | 10 | | | | | | |
| 3MRE 100 600 150 | 10 | 30 | 60 | 150 | 10 | | | | | | |
| 3MRE 120 600 150 | 12 | 36 | 60 | 150 | 12 | | | | | | |
| 3MRE 160 700 160 | 16 | 54 | 70 | 160 | 16 | | | | | | |



- Fresa per materiali acrilici, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie arun-out e tolleranze precise.
- Elica lunga per migliorare l'evacuazione del truciolo in lavorazioni profonde.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- Fraise pour acryliques, A.B.S., aluminium et métaux non ferreux.
- Réduit les vibrations grâce à la hauteur de coupe faible et tolérances précises.
- Longue hélice pour améliorer l'évacuation des copeaux.
- Géométrie renforcée pour prévenir de l'usure de l'arête de coupe.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).



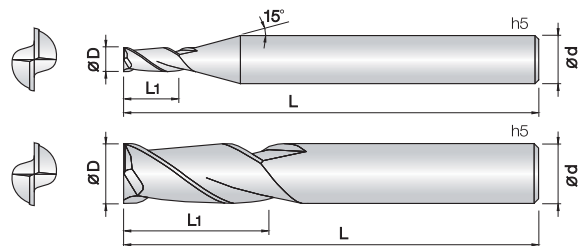
| d | Tolleranza/Tolérance |
|----------|----------------------|
| ø0.2 ~ 5 | +0 ~ -0.01 mm |
| ø6 ~ 12 | -0.01 ~ -0.025 mm |
| ø16 | -0.015 ~ -0.03 mm |

| Numero d'Ordine Reference | D | L1 | L2 | L | d | Numero d'Ordine Reference | D | L1 | L2 | L | d |
|------------------------------|-----|-----|-----|----|---|------------------------------|-----|----|----|-----|---|
| 2MLE 002 010 S03 | 0.2 | 0.4 | 1 | 40 | 3 | 2MLE 010 300 S04 | 1 | 5 | 30 | 80 | 4 |
| 2MLE 002 015 S03 | 0.2 | 0.4 | 1.5 | 40 | 3 | 2MLE 010 350 S04 | 1 | 5 | | | |
| 2MLE 002 020 S03 | 0.2 | 0.4 | 2 | 40 | 3 | 2MLE 010 400 S04 | 1 | 5 | 40 | 100 | 4 |
| 2MLE 003 010 S03 | 0.3 | 1 | - | 45 | 3 | 2MLE 015 100 S03 | 1.5 | 10 | | | |
| 2MLE 003 015 S03 | 0.3 | 1 | 1.5 | 45 | 3 | 2MLE 015 100 S04 | 1.5 | 10 | - | 80 | 4 |
| 2MLE 003 018 S03 | 0.3 | 1.8 | - | 45 | 3 | 2MLE 015 150 S03 | 1.5 | 10 | | | |
| 2MLE 003 020 S03 | 0.3 | 1 | 2 | 45 | 3 | 2MLE 015 150 S04 | 1.5 | 10 | 15 | 80 | 4 |
| 2MLE 003 025 S03 | 0.3 | 1 | 2.5 | 45 | 3 | 2MLE 015 200 S03 | 1.5 | 10 | | | |
| 2MLE 003 030 S03 | 0.3 | 1 | 3 | 45 | 3 | 2MLE 015 200 S04 | 1.5 | 10 | 20 | 80 | 4 |
| 2MLE 003 040 S03 | 0.3 | 1 | 4 | 45 | 3 | 2MLE 015 250 S03 | 1.5 | 10 | | | |
| 2MLE 004 012 S03 | 0.4 | 1.2 | - | 45 | 3 | 2MLE 015 250 S04 | 1.5 | 10 | 25 | 80 | 4 |
| 2MLE 004 020 S03 | 0.4 | 2 | - | 45 | 3 | 2MLE 015 300 S03 | 1.5 | 10 | | | |
| 2MLE 004 030 S03 | 0.4 | 1.2 | 3 | 45 | 3 | 2MLE 015 300 S04 | 1.5 | 10 | 30 | 80 | 4 |
| 2MLE 004 040 S03 | 0.4 | 1.2 | 4 | 45 | 3 | 2MLE 015 350 S04 | 1.5 | 10 | | | |
| 2MLE 004 050 S03 | 0.4 | 1.2 | 5 | 45 | 3 | 2MLE 015 400 S04 | 1.5 | 10 | 40 | 100 | 4 |
| 2MLE 005 015 S03 | 0.5 | 1.5 | - | 50 | 3 | 2MLE 020 100 S03 | 2 | 10 | | | |
| 2MLE 005 020 S03 | 0.5 | 2 | - | 50 | 3 | 2MLE 020 100 S04 | 2 | 10 | - | 80 | 4 |
| 2MLE 005 030 S03 | 0.5 | 1.5 | 3 | 50 | 3 | 2MLE 020 150 S03 | 2 | 10 | | | |
| 2MLE 005 040 S03 | 0.5 | 1.5 | 4 | 50 | 3 | 2MLE 020 150 S04 | 2 | 10 | 15 | 80 | 4 |
| 2MLE 005 050 S03 | 0.5 | 1.5 | 5 | 50 | 3 | 2MLE 020 200 S03 | 2 | 10 | | | |
| 2MLE 005 060 S03 | 0.5 | 1.5 | 6 | 50 | 3 | 2MLE 020 200 S04 | 2 | 10 | 20 | 80 | 4 |
| 2MLE 005 080 S03 | 0.5 | 1.5 | 8 | 50 | 3 | 2MLE 020 250 S03 | 2 | 10 | | | |
| 2MLE 005 100 S03 | 0.5 | 1.5 | 10 | 50 | 3 | 2MLE 020 250 S04 | 2 | 10 | 25 | 80 | 4 |
| 2MLE 006 030 S03 | 0.6 | 3 | - | 50 | 3 | 2MLE 020 300 S03 | 2 | 10 | | | |
| 2MLE 006 060 S03 | 0.6 | 3 | 6 | 50 | 3 | 2MLE 020 300 S04 | 2 | 10 | 30 | 80 | 4 |
| 2MLE 006 080 S03 | 0.6 | 3 | 8 | 50 | 3 | 2MLE 020 350 S03 | 2 | 10 | | | |
| 2MLE 006 100 S03 | 0.6 | 3 | 10 | 50 | 3 | 2MLE 020 350 S04 | 2 | 10 | 35 | 100 | 4 |
| 2MLE 007 030 S03 | 0.7 | 3 | - | 50 | 3 | 2MLE 020 400 S03 | 2 | 10 | | | |
| 2MLE 007 070 S03 | 0.7 | 3 | 7 | 50 | 3 | 2MLE 020 400 S04 | 2 | 10 | 40 | 100 | 4 |
| 2MLE 007 100 S03 | 0.7 | 3 | 10 | 50 | 3 | 2MLE 025 100 S03 | 2.5 | 10 | | | |
| 2MLE 007 120 S03 | 0.7 | 3 | 12 | 50 | 3 | 2MLE 025 150 S03 | 2.5 | 15 | - | 80 | 3 |
| 2MLE 008 040 S03 | 0.8 | 4 | - | 50 | 3 | 2MLE 025 200 S03 | 2.5 | 15 | | | |
| 2MLE 008 080 S03 | 0.8 | 4 | 8 | 50 | 3 | 2MLE 030 100 060 | 3 | 10 | - | 60 | 3 |
| 2MLE 008 100 S03 | 0.8 | 4 | 10 | 50 | 3 | 2MLE 030 200 080 | 3 | 20 | | | |
| 2MLE 008 120 S03 | 0.8 | 4 | 12 | 50 | 3 | 2MLE 030 200 100 | 3 | 20 | - | 100 | 3 |
| 2MLE 009 040 S03 | 0.9 | 4 | - | 50 | 3 | 2MLE 030 200 120 | 3 | 20 | | | |
| 2MLE 009 060 S03 | 0.9 | 4 | 6 | 50 | 3 | 2MLE 030 150 S06 | 3 | 15 | - | 100 | 6 |
| 2MLE 009 080 S03 | 0.9 | 4 | 8 | 50 | 3 | 2MLE 030 200 S06 | 3 | 15 | | | |
| 2MLE 009 100 S03 | 0.9 | 4 | 10 | 50 | 3 | 2MLE 030 250 S06 | 3 | 15 | 25 | 100 | 6 |
| 2MLE 010 050 S03 | 1 | 5 | - | 80 | 3 | 2MLE 030 300 S06 | 3 | 15 | | | |
| 2MLE 010 050 S04 | 1 | 5 | - | 80 | 4 | 2MLE 040 200 080 | 4 | 20 | - | 80 | 4 |
| 2MLE 010 100 S03 | 1 | 5 | 10 | 80 | 3 | 2MLE 040 200 100 | 4 | 20 | | | |
| 2MLE 010 100 S04 | 1 | 5 | 10 | 80 | 4 | 2MLE 040 200 130 | 4 | 20 | - | 130 | 4 |
| 2MLE 010 150 S03 | 1 | 5 | 15 | 80 | 3 | 2MLE 040 200 S06 | 4 | 20 | | | |
| 2MLE 010 150 S04 | 1 | 5 | 15 | 80 | 4 | 2MLE 040 250 S06 | 4 | 20 | 25 | 100 | 6 |
| 2MLE 010 200 S03 | 1 | 5 | 20 | 80 | 3 | 2MLE 040 300 S06 | 4 | 20 | | | |
| 2MLE 010 200 S04 | 1 | 5 | 20 | 80 | 4 | 2MLE 040 400 S06 | 4 | 20 | 40 | 120 | 6 |
| 2MLE 010 250 S03 | 1 | 5 | 25 | 80 | 3 | 2MLE 050 200 S06 | 5 | 20 | | | |
| 2MLE 010 250 S04 | 1 | 5 | 25 | 80 | 4 | 2MLE 050 300 100 | 5 | 30 | - | 100 | 5 |
| 2MLE 010 300 S03 | 1 | 5 | 30 | 80 | 3 | 2MLE 050 300 120 | 5 | 30 | | | |



Unità: mm

| Numero d'Ordine Reference | D | L1 | L2 | L | d | | Numero d'Ordine Reference | D | L1 | L2 | L | d | |
|------------------------------|----|----|----|-----|----|--|------------------------------|---|----|----|---|---|--|
| 2MLE 060 250 080 | 6 | 25 | - | 80 | 6 | | | | | | | | |
| 2MLE 060 300 080 | 6 | 30 | - | 80 | 6 | | | | | | | | |
| 2MLE 060 400 100 | 6 | 40 | - | 100 | 6 | | | | | | | | |
| 2MLE 060 400 120 | 6 | 40 | - | 120 | 6 | | | | | | | | |
| 2MLE 060 400 150 | 6 | 40 | - | 150 | 6 | | | | | | | | |
| 2MLE 080 300 080 | 8 | 30 | - | 80 | 8 | | | | | | | | |
| 2MLE 080 350 090 | 8 | 35 | - | 90 | 8 | | | | | | | | |
| 2MLE 080 400 100 | 8 | 40 | - | 100 | 8 | | | | | | | | |
| 2MLE 080 450 120 | 8 | 45 | - | 120 | 8 | | | | | | | | |
| 2MLE 080 450 150 | 8 | 45 | - | 150 | 8 | | | | | | | | |
| 2MLE 100 300 080 | 10 | 30 | - | 80 | 10 | | | | | | | | |
| 2MLE 100 350 090 | 10 | 35 | - | 90 | 10 | | | | | | | | |
| 2MLE 100 400 100 | 10 | 40 | - | 100 | 10 | | | | | | | | |
| 2MLE 100 500 120 | 10 | 50 | - | 120 | 10 | | | | | | | | |
| 2MLE 100 500 150 | 10 | 50 | - | 150 | 10 | | | | | | | | |
| 2MLE 120 300 090 | 12 | 30 | - | 90 | 12 | | | | | | | | |
| 2MLE 120 400 100 | 12 | 40 | - | 100 | 12 | | | | | | | | |
| 2MLE 120 500 110 | 12 | 50 | - | 110 | 12 | | | | | | | | |
| 2MLE 120 550 130 | 12 | 55 | - | 130 | 12 | | | | | | | | |
| 2MLE 120 550 150 | 12 | 55 | - | 150 | 12 | | | | | | | | |
| 2MLE 160 700 160 | 16 | 70 | - | 160 | 16 | | | | | | | | |
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- Fresa per acciai dolci, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- Fresa pour aciers doux, A.B.S., aluminium et métaux non ferreux.
- Réduction des vibrations, tolérances précises.
- Géométrie renforcée pour empêcher l'ecailage.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).

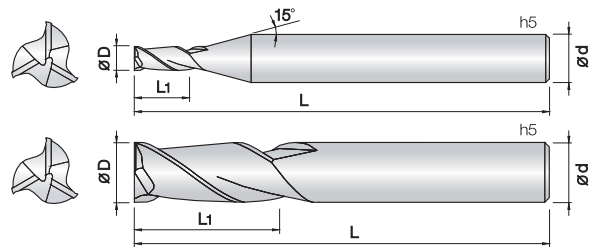
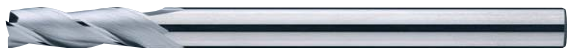


| d | Tolleranza/Tolérance |
|--------------|----------------------|
| ø 0.1 ~ 0.15 | +0 ~ -0.005 mm |
| ø 0.2 ~ 5 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.01 ~ -0.025 mm |

| Numero d'Ordine Reference | D | L1 | L | d | Numero d'Ordine Reference | D | L1 | L | d |
|------------------------------|------|-----|----|----|------------------------------|---|----|---|---|
| 2MEM 001 002 S03 | 0.1 | 0.2 | 40 | 3 | | | | | |
| 2MEM 0015 003 S03 | 0.15 | 0.3 | 40 | 3 | | | | | |
| 2MEM 002 004 S03 | 0.2 | 0.4 | 40 | 3 | | | | | |
| 2MEM 003 006 S03 | 0.3 | 0.6 | 40 | 3 | | | | | |
| 2MEM 004 008 S03 | 0.4 | 0.8 | 40 | 3 | | | | | |
| 2MEM 005 010 S03 | 0.5 | 1 | 40 | 3 | | | | | |
| 2MEM 006 012 S03 | 0.6 | 1.2 | 40 | 3 | | | | | |
| 2MEM 007 014 S03 | 0.7 | 1.4 | 40 | 3 | | | | | |
| 2MEM 008 016 S03 | 0.8 | 1.6 | 40 | 3 | | | | | |
| 2MEM 009 018 S03 | 0.9 | 1.8 | 40 | 3 | | | | | |
| 2MEM 010 025 S03 | 1 | 2.5 | 40 | 3 | | | | | |
| 2MEM 010 025 S06 | 1 | 2.5 | 40 | 6 | | | | | |
| 2MEM 011 025 S03 | 1.1 | 2.5 | 40 | 3 | | | | | |
| 2MEM 012 035 S03 | 1.2 | 3.5 | 40 | 3 | | | | | |
| 2MEM 013 040 S03 | 1.3 | 4 | 40 | 3 | | | | | |
| 2MEM 014 040 S03 | 1.4 | 4 | 40 | 3 | | | | | |
| 2MEM 015 040 S03 | 1.5 | 4 | 40 | 3 | | | | | |
| 2MEM 015 040 S06 | 1.5 | 4 | 40 | 6 | | | | | |
| 2MEM 016 040 S03 | 1.6 | 4 | 40 | 3 | | | | | |
| 2MEM 017 050 S03 | 1.7 | 5 | 40 | 3 | | | | | |
| 2MEM 018 055 S03 | 1.8 | 5.5 | 40 | 3 | | | | | |
| 2MEM 019 060 S03 | 1.9 | 6 | 40 | 3 | | | | | |
| 2MEM 020 060 S03 | 2 | 6 | 40 | 3 | | | | | |
| 2MEM 020 060 S06 | 2 | 6 | 40 | 6 | | | | | |
| 2MEM 025 080 S03 | 2.5 | 8 | 40 | 3 | | | | | |
| 2MEM 025 080 S06 | 2.5 | 8 | 40 | 6 | | | | | |
| 2MEM 030 080 S03 | 3 | 8 | 45 | 3 | | | | | |
| 2MEM 030 080 S06 | 3 | 8 | 45 | 6 | | | | | |
| 2MEM 035 100 S06 | 3.5 | 10 | 45 | 6 | | | | | |
| 2MEM 040 110 S06 | 4 | 11 | 45 | 6 | | | | | |
| 2MEM 045 110 S06 | 4.5 | 11 | 45 | 6 | | | | | |
| 2MEM 050 130 S06 | 5 | 13 | 50 | 6 | | | | | |
| 2MEM 060 130 S06 | 6 | 13 | 50 | 6 | | | | | |
| 2MEM 070 160 S08 | 7 | 16 | 60 | 8 | | | | | |
| 2MEM 080 190 S08 | 8 | 19 | 60 | 8 | | | | | |
| 2MEM 090 190 S10 | 9 | 19 | 70 | 10 | | | | | |
| 2MEM 100 220 S10 | 10 | 22 | 70 | 10 | | | | | |
| 2MEM 120 260 S12 | 12 | 26 | 75 | 12 | | | | | |
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FOR ABIS

3MEM Fraise Cylindrique 3 Coupes Fresa Cilindrica 3 Tagli



- Fresa per acciai dolci, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- Fraise pour aciers doux, A.B.S., aluminium et métaux non ferreux.
- Réduction des vibrations, tolérances précises.
- Géométrie renforcée pour empêcher l'ecaillage.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).



Ø0.3-4

Ø6

Affilato

List. p.195

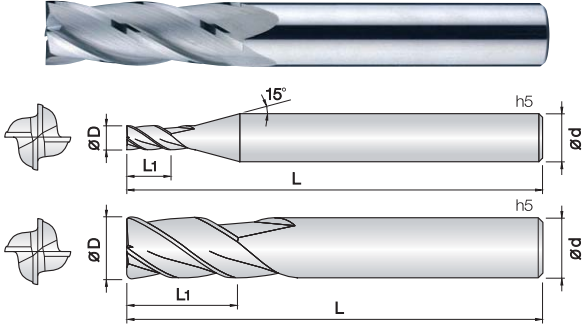
| d | Tolleranza/Tolérance |
|-----------|----------------------|
| Ø 0.3 ~ 4 | +0 ~ -0.01 mm |
| Ø 6 | -0.01 ~ -0.025 mm |

Unità: mm

| Numero d'Ordine <i>Reference</i> | D | L1 | L | d | Numero d'Ordine <i>Reference</i> | D | L1 | L | d |
|-------------------------------------|-----|-----|-----|---|-------------------------------------|---|----|---|---|
| 3MEM 003 008 S04 | 0.3 | 0.8 | 40 | 4 | | | | | |
| 3MEM 003 012 S04 | 0.3 | 1.2 | 40 | 4 | | | | | |
| 3MEM 004 010 S04 | 0.4 | 1 | 40 | 4 | | | | | |
| 3MEM 004 015 S04 | 0.4 | 1.5 | 40 | 4 | | | | | |
| 3MEM 005 013 S04 | 0.5 | 1.3 | 40 | 4 | | | | | |
| 3MEM 005 020 S04 | 0.5 | 2 | 45 | 4 | | | | | |
| 3MEM 006 015 S04 | 0.6 | 1.5 | 40 | 4 | | | | | |
| 3MEM 006 024 S04 | 0.6 | 2.4 | 45 | 4 | | | | | |
| 3MEM 007 018 S04 | 0.7 | 1.8 | 40 | 4 | | | | | |
| 3MEM 007 028 S04 | 0.7 | 2.8 | 45 | 4 | | | | | |
| 3MEM 008 020 S04 | 0.8 | 2 | 40 | 4 | | | | | |
| 3MEM 008 032 S04 | 0.8 | 3.2 | 45 | 4 | | | | | |
| 3MEM 009 025 S04 | 0.9 | 2.5 | 40 | 4 | | | | | |
| 3MEM 009 036 S04 | 0.9 | 3.6 | 45 | 4 | | | | | |
| 3MEM 010 025 S04 | 1 | 2.5 | 40 | 4 | | | | | |
| 3MEM 010 040 S04 | 1 | 4 | 45 | 4 | | | | | |
| 3MEM 010 060 S04 | 1 | 6 | 50 | 4 | | | | | |
| 3MEM 012 030 S04 | 1.2 | 3 | 40 | 4 | | | | | |
| 3MEM 012 050 S04 | 1.2 | 5 | 40 | 4 | | | | | |
| 3MEM 012 070 S04 | 1.2 | 7 | 50 | 4 | | | | | |
| 3MEM 015 040 S04 | 1.5 | 4 | 40 | 4 | | | | | |
| 3MEM 015 060 S04 | 1.5 | 6 | 40 | 4 | | | | | |
| 3MEM 015 090 S04 | 1.5 | 9 | 60 | 4 | | | | | |
| 3MEM 020 050 S04 | 2 | 5 | 40 | 4 | | | | | |
| 3MEM 020 080 S04 | 2 | 8 | 50 | 4 | | | | | |
| 3MEM 020 100 S04 | 2 | 10 | 60 | 4 | | | | | |
| 3MEM 025 060 S04 | 2.5 | 6 | 45 | 4 | | | | | |
| 3MEM 025 100 S04 | 2.5 | 10 | 50 | 4 | | | | | |
| 3MEM 025 150 S04 | 2.5 | 15 | 60 | 4 | | | | | |
| 3MEM 030 080 S04 | 3 | 8 | 50 | 4 | | | | | |
| 3MEM 030 120 S04 | 3 | 12 | 60 | 4 | | | | | |
| 3MEM 030 150 S04 | 3 | 15 | 80 | 4 | | | | | |
| 3MEM 040 100 S04 | 4 | 10 | 50 | 4 | | | | | |
| 3MEM 040 150 S04 | 4 | 15 | 80 | 4 | | | | | |
| 3MEM 060 200 S06 | 6 | 20 | 80 | 6 | | | | | |
| 3MEM 060 300 S06 | 6 | 30 | 110 | 6 | | | | | |
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FOR A.B.S.

4MEM Fraise Cylindrique 4 Coupes Fresa Cilindrica 4 Tagli



- Fresa per acciai dolci, A.B.S., alluminio e materiali non ferrosi.
- Riduzione di vibrazioni grazie a run out e tolleranze precise.
- Geometria rinforzata per prevenire scheggiature.
- Eccellente resistenza all'usura grazie al metallo duro Ultra Micrograna (0,2 µm).
- **Fraise pour aciers doux, A.B.S., aluminium et métaux non ferreux.**
- Réduction des vibrations, tolérances précises.
- Géométrie renforcée pour empêcher l'ecailage.
- Excellente résistance à l'usure grâce au Carbure Submicrograin (0,2 µm).



| d | Tolleranza/Tolérance |
|----------|----------------------|
| ø 1 ~ 5 | +0 ~ -0.01 mm |
| ø 6 ~ 12 | -0.01 ~ -0.025 mm |

| Numero d'Ordine Reference | D | L1 | L | d | Numero d'Ordine Reference | D | L1 | L | d |
|------------------------------|-----|-----|-----|----|------------------------------|---|----|---|---|
| 4MEM 010 025 S04 | 1 | 2.5 | 40 | 4 | | | | | |
| 4MEM 010 040 S04 | 1 | 4 | 45 | 4 | | | | | |
| 4MEM 015 040 S04 | 1.5 | 4 | 40 | 4 | | | | | |
| 4MEM 015 060 S04 | 1.5 | 6 | 45 | 4 | | | | | |
| 4MEM 020 050 S04 | 2 | 5 | 40 | 4 | | | | | |
| 4MEM 020 080 S04 | 2 | 8 | 45 | 4 | | | | | |
| 4MEM 025 080 S04 | 2.5 | 8 | 45 | 4 | | | | | |
| 4MEM 025 100 S04 | 2.5 | 10 | 50 | 4 | | | | | |
| 4MEM 030 080 S06 | 3 | 8 | 45 | 6 | | | | | |
| 4MEM 030 120 S06 | 3 | 12 | 50 | 6 | | | | | |
| 4MEM 040 110 S06 | 4 | 11 | 45 | 6 | | | | | |
| 4MEM 040 160 S06 | 4 | 16 | 55 | 6 | | | | | |
| 4MEM 050 130 S06 | 5 | 13 | 50 | 6 | | | | | |
| 4MEM 050 200 S06 | 5 | 20 | 60 | 6 | | | | | |
| 4MEM 060 130 S06 | 6 | 13 | 50 | 6 | | | | | |
| 4MEM 060 240 S06 | 6 | 24 | 70 | 6 | | | | | |
| 4MEM 080 200 S08 | 8 | 20 | 60 | 8 | | | | | |
| 4MEM 080 320 S08 | 8 | 32 | 80 | 8 | | | | | |
| 4MEM 100 220 S10 | 10 | 22 | 70 | 10 | | | | | |
| 4MEM 100 400 S10 | 10 | 40 | 100 | 10 | | | | | |
| 4MEM 120 260 S12 | 12 | 26 | 75 | 12 | | | | | |
| 4MEM 120 480 S12 | 12 | 48 | 100 | 12 | | | | | |
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Unità: mm

FOR A.B.S.