

RADIUS END MILLS

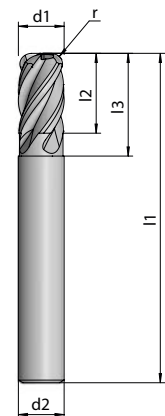
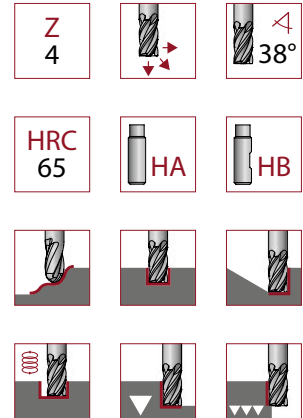
T 1160 | T 1161

| Short version Corner radius 0,5 mm | | | | | | |
|--------------------------------------|----|----|----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11600300 | 3 | 6 | 58 | 3 | 9 | 45,00 |
| 11600400 | 4 | 6 | 58 | 4 | 12 | 45,00 |
| 11600500 | 5 | 6 | 58 | 5 | 15 | 45,00 |
| 11600600 | 6 | 6 | 58 | 6 | 18 | 45,00 |
| 11600800 | 8 | 8 | 64 | 8 | 24 | 60,00 |
| 11601000 | 10 | 10 | 73 | 10 | 30 | 85,00 |
| 11601200 | 12 | 12 | 84 | 12 | 36 | 100,00 |

| Long version Corner radius 0,5 mm | | | | | | |
|-------------------------------------|----|----|-----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11610600 | 6 | 6 | 74 | 6 | 18 | 48,00 |
| 11610800 | 8 | 8 | 80 | 8 | 24 | 66,00 |
| 11611000 | 10 | 10 | 100 | 10 | 30 | 90,00 |
| 11611200 | 12 | 12 | 110 | 12 | 36 | 102,00 |

For Weldon add abbreviation HB.

Example 11600300 becomes 11600300HB



| | |
|------------------|------------------------------------|
| Shoulder milling | $a_p \times a_e = 1d \times 0.4d$ |
| Slot milling | $a_p \times a_e = 0.65d \times 1d$ |



| Cutting data for short version | | Shoulder | Slot |
|--|-------------------|----------------------|------|
| Material | N/mm ² | v _c m/min | |
| P Gen. structural/ case hard. steels 1.0037 1.0570 1.0503 1.7131 Tool/ tempering steels 1.2367 1.2379 1.7225 Alloyed/ cold work steels 1.2312 1.2767 1.3505 1.7707 | < 800 | 160 | 130 |
| | < 1100 | 130 | 100 |
| | < 1400 | 100 | - |
| H Hardened steel HRC 45–50 Hardened steel HRC 51–58 Hardened steel HRC 59–65 | - | 130 | - |
| | - | 100 | - |
| | - | 60 | - |

| d1 | Shoulder | Slot |
|----|----------|-------|
| | fz mm | |
| 3 | 0.022 | 0.007 |
| 4 | 0.030 | 0.010 |
| 5 | 0.040 | 0.015 |
| 6 | 0.060 | 0.025 |
| 8 | 0.070 | 0.030 |
| 10 | 0.090 | 0.040 |
| 12 | 0.110 | 0.060 |

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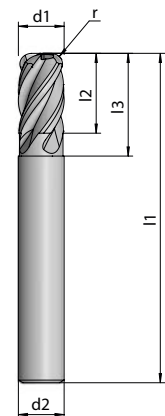
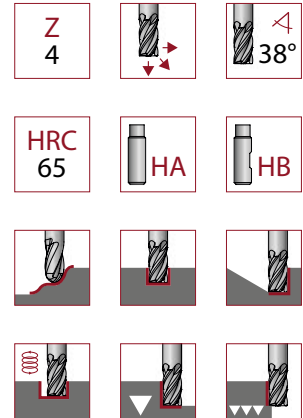
T 1160 | T 1161

| Short version Corner radius 1 mm | | | | | | |
|------------------------------------|----|----|----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11600401 | 4 | 6 | 58 | 4 | 12 | 45,00 |
| 11600501 | 5 | 6 | 58 | 5 | 15 | 45,00 |
| 11600601 | 6 | 6 | 58 | 6 | 18 | 45,00 |
| 11600801 | 8 | 8 | 64 | 8 | 24 | 60,00 |
| 11601001 | 10 | 10 | 73 | 10 | 30 | 85,00 |
| 11601201 | 12 | 12 | 84 | 12 | 36 | 100,00 |

| Long version Corner radius 1 mm | | | | | | |
|-----------------------------------|----|----|-----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11610601 | 6 | 6 | 74 | 6 | 18 | 48,00 |
| 11610801 | 8 | 8 | 80 | 8 | 24 | 66,00 |
| 11611001 | 10 | 10 | 100 | 10 | 30 | 90,00 |
| 11611201 | 12 | 12 | 110 | 12 | 36 | 102,00 |

For Weldon add abbreviation HB.

Example 11600401 becomes 11600401HB



| | |
|------------------|------------------------------------|
| Shoulder milling | $a_p \times a_e = 1d \times 0.4d$ |
| Slot milling | $a_p \times a_e = 0.65d \times 1d$ |



| Cutting data for short version | | Shoulder | Slot | |
|--------------------------------|--|----------------------|------|-----|
| Material | N/mm ² | v _c m/min | | |
| P | Gen. structural/ case hard. steels 1.0037 1.0570 1.0503 1.7131 | < 800 | 160 | 130 |
| | Tool/ tempering steels 1.2367 1.2379 1.7225 | < 1100 | 130 | 100 |
| | Alloyed/ cold work steels 1.2312 1.2767 1.3505 1.7707 | < 1400 | 100 | – |
| H | Hardened steel HRC 45–50 | – | 130 | – |
| | Hardened steel HRC 51–58 | – | 100 | – |
| | Hardened steel HRC 59–65 | – | 60 | – |

| | Shoulder | Slot |
|----|----------|-------|
| d1 | fz mm | |
| 5 | 0.040 | 0.015 |
| 6 | 0.060 | 0.025 |
| 8 | 0.070 | 0.030 |
| 10 | 0.090 | 0.040 |
| 12 | 0.110 | 0.060 |
| 16 | 0.120 | 0.080 |

RADIUS END MILLS

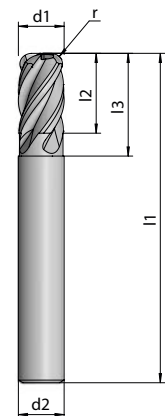
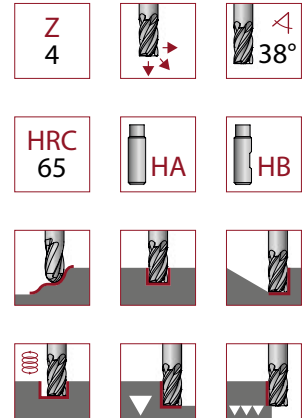
T 1160 | T 1161

| Short version Corner radius 1,5 mm | | | | | | |
|--------------------------------------|----|----|----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11600502 | 5 | 6 | 58 | 5 | 15 | 45,00 |
| 11600602 | 6 | 6 | 58 | 6 | 18 | 45,00 |
| 11600802 | 8 | 8 | 64 | 8 | 24 | 60,00 |
| 11601002 | 10 | 10 | 73 | 10 | 30 | 85,00 |
| 11601202 | 12 | 12 | 84 | 12 | 36 | 100,00 |
| 11601602 | 16 | 16 | 92 | 38 | 48 | 145,00 |

| Long version Corner radius 1,5 mm | | | | | | |
|-------------------------------------|----|----|-----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11610602 | 6 | 6 | 74 | 6 | 18 | 48,00 |
| 11610802 | 8 | 8 | 80 | 8 | 24 | 66,00 |
| 11611002 | 10 | 10 | 100 | 10 | 30 | 90,00 |
| 11611202 | 12 | 12 | 110 | 12 | 36 | 102,00 |
| 11611602 | 16 | 16 | 128 | 38 | 48 | 150,00 |

For Weldon add abbreviation HB.

Example 11600502 becomes 11600502HB



| | |
|------------------|------------------------------------|
| Shoulder milling | $a_p \times a_e = 1d \times 0.4d$ |
| Slot milling | $a_p \times a_e = 0.65d \times 1d$ |



| Cutting data for short version | | Shoulder | Slot | |
|--------------------------------|--|----------------------|------|-----|
| Material | N/mm ² | v _c m/min | | |
| P | Gen. structural/ case hard. steels 1.0037 1.0570 1.0503 1.7131 | < 800 | 160 | 130 |
| | Tool/ tempering steels 1.2367 1.2379 1.7225 | < 1100 | 130 | 100 |
| | Alloyed/ cold work steels 1.2312 1.2767 1.3505 1.7707 | < 1400 | 100 | – |
| H | Hardened steel HRC 45–50 | – | 130 | – |
| | Hardened steel HRC 51–58 | – | 100 | – |
| | Hardened steel HRC 59–65 | – | 60 | – |

| | Shoulder | Slot |
|----|----------|-------|
| d1 | fz mm | |
| 5 | 0.040 | 0.015 |
| 6 | 0.060 | 0.025 |
| 8 | 0.070 | 0.030 |
| 10 | 0.090 | 0.040 |
| 12 | 0.110 | 0.060 |
| 16 | 0.120 | 0.080 |

RADIUS END MILLS

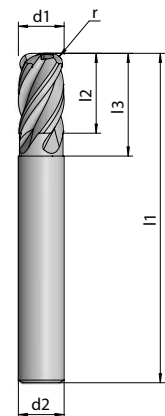
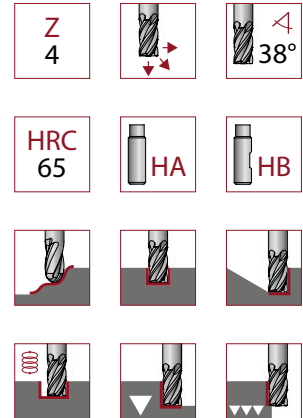
T 1160 | T 1161

| Short version Corner radius 2 mm | | | | | | |
|------------------------------------|----|----|----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11600603 | 6 | 6 | 58 | 6 | 18 | 45,00 |
| 11600803 | 8 | 8 | 64 | 8 | 24 | 60,00 |
| 11601003 | 10 | 10 | 73 | 10 | 30 | 85,00 |
| 11601203 | 12 | 12 | 84 | 12 | 36 | 100,00 |
| 11601603 | 16 | 16 | 93 | 38 | 48 | 145,00 |

| Long version Corner radius 2 mm | | | | | | |
|-----------------------------------|----|----|-----|----|----|--------|
| Article no. | d1 | d2 | l1 | l2 | l3 | Euro |
| 11610603 | 6 | 6 | 74 | 6 | 18 | 48,00 |
| 11610803 | 8 | 8 | 80 | 8 | 24 | 66,00 |
| 11611003 | 10 | 10 | 100 | 10 | 30 | 90,00 |
| 11611203 | 12 | 12 | 110 | 12 | 36 | 102,00 |
| 11611603 | 16 | 16 | 128 | 38 | 48 | 150,00 |

For Weldon add abbreviation HB.

Example 11600603 becomes 11600603HB



| | |
|------------------|------------------------------------|
| Shoulder milling | $a_p \times a_e = 1d \times 0.4d$ |
| Slot milling | $a_p \times a_e = 0.65d \times 1d$ |



| Cutting data for short version | | Shoulder | Slot | |
|--------------------------------|--|----------------------|------|-----|
| Material | N/mm ² | v _c m/min | | |
| P | Gen. structural/ case hard. steels 1.0037 1.0570 1.0503 1.7131 | < 800 | 160 | 130 |
| | Tool/ tempering steels 1.2367 1.2379 1.7225 | < 1100 | 130 | 100 |
| | Alloyed/ cold work steels 1.2312 1.2767 1.3505 1.7707 | < 1400 | 100 | - |
| H | Hardened steel HRC 45-50 | - | 130 | - |
| | Hardened steel HRC 51-58 | - | 100 | - |
| | Hardened steel HRC 59-65 | - | 60 | - |

| | Shoulder | Slot |
|----|----------|-------|
| d1 | fz mm | |
| 5 | 0.040 | 0.015 |
| 6 | 0.060 | 0.025 |
| 8 | 0.070 | 0.030 |
| 10 | 0.090 | 0.040 |
| 12 | 0.110 | 0.060 |
| 16 | 0.120 | 0.080 |