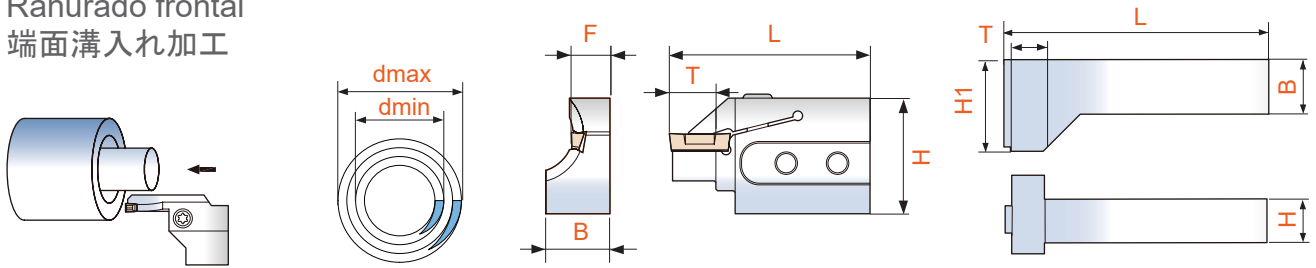


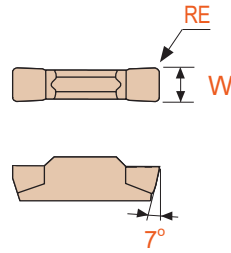
Face grooving tools

Axialeinstechen
Ranurado frontal
端面溝入れ加工



| HFAPR | | Example / Order code : HFAIR-029-3T13 | | | | | | | | |
|-----------------------|-----------------------|--|------|------|------|----|---------|---------|--|--------------|
| Grooving tools | | H | B | L | H1 | T | Adapter | | | |
| HFAPR-2025K-12 | HFAPR-2525K-12 | 20 | 25 | 125 | 42 | 15 | HFAVR.. | MS6022E | PL50 | |
| HFAPR-2025K-12 | HFAPR-2525K-12 | 25 | | | | | | | | |
| HFAVR | | Example / Order code : HFAVR-029-3T13 | | | | | | | | |
| Grooving adapter | | dmin | dmax | Tmax | L | H | F | B | Inserts | |
| HFAVR-029-3T13 | HFAVR-029-4T13 | 29 | 34 | 13 | 63.5 | 36 | 12 | 20 | HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-034-3T12 | HFAVR-034-4T12 | 34 | 40 | 12 | 63.5 | 36 | 12 | 20 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-034-3T16 | HFAVR-034-4T16 | | | 16 | | | | | | |
| HFAVR-040-3T12 | HFAVR-040-4T12 | 40 | 48 | 12 | 63.5 | 36 | 12 | 20 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-040-3T16 | HFAVR-040-4T20 | | | 16 | | | | | | |
| HFAVR-040-4T20 | | | | 20 | | | | | | |
| HFAVR-048-3T20 | HFAVR-048-4T20 | 48 | 60 | 20 | 63.5 | 36 | 12 | 20 | HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-060-3T20 | HFAVR-060-4T20 | 60 | 75 | 20 | 63.5 | 36 | 12 | 20 | HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-075-3T20 | HFAVR-075-4T20 | 75 | 100 | 20 | 63.5 | 36 | 14 | 20 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-075-3T25 | HFAVR-075-4T25 | | | 25 | 68.5 | 13 | | | | |
| HFAVR-075-4T25 | | | | 25 | 68.5 | 14 | | | | |
| HFAVR-100-3T20 | HFAVR-100-4T20 | 100 | 140 | 20 | 63.5 | 36 | 14 | 18.5 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-100-3T25 | HFAVR-100-4T25 | | | 25 | 68.5 | 13 | | | | |
| HFAVR-100-4T25 | | | | 25 | 68.5 | 14 | | | | |
| HFAVR-140-3T20 | HFAVR-140-4T20 | 140 | 200 | 20 | 63.5 | 36 | 14 | 17.0 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-140-3T25 | HFAVR-140-4T25 | | | 25 | 68.5 | 13 | | | | |
| HFAVR-140-4T25 | | | | 25 | 68.5 | 14 | | | | |
| HFAVR-200-3T20 | HFAVR-200-4T20 | 200 | 800 | 20 | 63.5 | 36 | 14 | 14.5 | HFPR 3003 HFPR 4004 HFPR 3003 HFPR 4004 | HTM525 ETL25 |
| HFAVR-200-3T25 | HFAVR-200-4T25 | | | 25 | 68.5 | 13 | | | | |
| HFAVR-200-4T25 | | | | 25 | 68.5 | 14 | | | | |

Inserts
Wendeschneidplatten
Plaquetas
チップ



Grooving

| Size | W |
|------|-----|
| 3003 | 3.0 |
| 4004 | 4.0 |

| Grooving Inserts | | Grade | Coating | P | M | K | N | S | H | RE | fz (mm / rev) groove | fz (mm / rev) turn |
|------------------|------------------|-------|---------|---|---|---|---|---|---|-----|------------------------|----------------------|
| Grooving | HFPR 3003 | IC354 | PVD | ● | ● | | | | | 0.3 | 0.08 - 0.20 | 0.10 - 0.20 |
| | HFPR 4004 | IC354 | PVD | ● | ● | | | | | 0.4 | 0.10 - 0.24 | 0.15 - 0.25 |
| | | | | | | | | | | | | |