

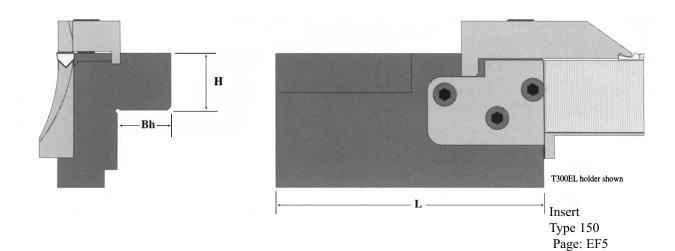
Manufacturers of Precision Ground Cutting Tools



Face Grooving
T300 System
e - Catalogue



Type T300 Toolholder



T300 basic toolholder

			Spare parts for the entire T300 system						m	
Part No.	CW max.	CD max.	н	Dimensio Bh	ons L	Insert Type	Clamp Screw	Clamp-Screw Kev	Support Blade Screw	Blade Screw Key
	1114221	11111/11		- DII		-3 PC	Serew	Rey	Belew	Rej
T300ER/L 2525	10	75	25	25	150	150	M10X30MC	Hex M8	M8x20MK	Hex M5
T300ER/L 3232	10	100	32	32	150	150	M10X30MC	Hex M8	M8x20MK	Hex M5
T300ER/L 4040	10	100	40	40	150	150	M10X30MC	Hex M8	M8x20MK	Hex M5

NOTE: Toolholders are supplied with screws for support blade and clamp only. Clamps, support blades and inserts must be ordered separately. For clamps and support blades, see page



T300 system support blades and clamps

LH HOLDER	Outer-Ø*			Insert		
RH TURNING	mm.	CW	CD	Type	Support blade	Clamp
CLAMP						
	7 0.400	6	40	150	1502-54006-1	1503-54006-1
	70-100	10	40	150	1502-54010-1	1503-54010-1
		10	50	150	1502-55010-1	1503-55010-1
		6	40	150	1502-54006-2	1503-54006-1
	100-140	10	40	150	1502-54010-2	1503-54010-1
		10	60	150	1502-56010-2	1503-56010-1
		6	50	150	1502-55006-3	1503-55006-3
	135-190	10	50	150	1502-55010-3	1503-55010-3
SUPPORT BLADE	481	10	70	150	1502-57010-3	1503-57010-3
		6	50	150	1502-55006-4	1503-55006-3
Right Hand turning	170-250	10	50	150	1502-55010-4	1503-55010-3
	170-230	10	85	150	1502-58510-4	1503-58510-3
*		10	0.5	130	1302-36310-4	1303-30310-3
		6	50	150	1502-55006-5	1503-55006-3
	245-400	10	50	150	1502-55010-5	1503-55010-3
		10	100	150	1502-510010-5	1503-510010-3
		6	50	150	1502-55006-6	1503-55006-3
	395-∞	10	50	150	1502-55010-6	1503-55010-3
	373	10	100	150	1502-510010-6	1503-510010-3
D.V						
K H HOLDED	()11ter- () *			Traccount		
RH HOLDER LH TURNING	Outer-Ø* mm.	CW	CD	Insert Type	Support blade	Clamp
			1	Туре		
LH TURNING	mm.	6	40	Type 150	1502-64006-1	1503-64006-1
LH TURNING		6 10	40 40	150 150	1502-64006-1 1502-64010-1	1503-64006-1 1503-64010-1
LH TURNING	mm.	6	40	Type 150	1502-64006-1	1503-64006-1
LH TURNING	mm.	6 10	40 40	150 150	1502-64006-1 1502-64010-1	1503-64006-1 1503-64010-1
LH TURNING	mm.	6 10 10	40 40 50	150 150 150	1502-64006-1 1502-64010-1 1502-65010-1	1503-64006-1 1503-64010-1 1503-65010-1
LH TURNING	mm. 70-100	6 10 10	40 40 50	150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1
LH TURNING	mm. 70-100	6 10 10 6 10	40 40 50 40 40 60	150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-64010-1 1503-66010-1
LH TURNING	mm. 70-100	6 10 10 6 10 10	40 40 50 40 40 60	150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-64010-1 1503-65006-3
CLAMP	70-100 100-140	6 10 10 6 10	40 40 50 40 40 60	150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-64010-1 1503-66010-1
CLAMP CLAMP SUPPORT BLADE	70-100 100-140	6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 50 70	150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3 1502-67010-3	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-67010-3
CLAMP	70-100 100-140 135-190	6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 70	150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3 1502-65006-4	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65006-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140	6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3 1502-65006-4 1502-65010-4	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65006-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 70	150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3 1502-65006-4	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65006-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3 1502-65006-4 1502-65010-4	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65006-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-68510-4	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 50 70 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-4 1502-65006-5	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-64010-1 1503-66010-1 1503-65006-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 85 50 50 100	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5 1502-65010-5 1502-65010-5 1502-610010-5	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190 170-250 245-400	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 50 50 85 50 100	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5 1502-65010-5 1502-610010-5	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3
CLAMP CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 85 50 50 100	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5 1502-65010-5 1502-65010-5 1502-610010-5	1503-64006-1 1503-64010-1 1503-65010-1 1503-64006-1 1503-66010-1 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3 1503-65010-3



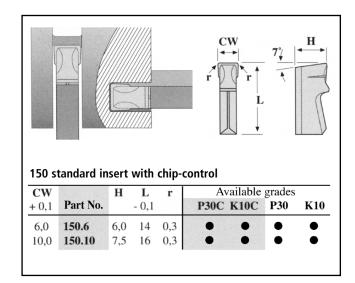
T300 system support blades and clamps

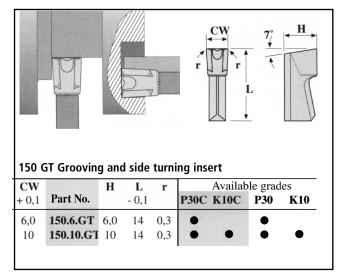
RH HOLDER	Outer- Ø*			Insert		
RH TURNING	mm.	CW	CD	Type	Support blade	Clamp
CLAMP			40	150	1500 5400 6 1	1702 74007 15
	70.100	6	40	150	1502-54006-1	1503-54006-1C
	70-100	10 10	40 50	150 150	1502-54010-1	1503-54010-1C
		10	30	130	1502-55010-1	1503-55010-1C
		6	40	150	1502-54006-2	1503-54006-1C
	100-140	10	40	150	1502-54010-2	1503-54010-1C
		10	60	150	1502-56010-2	1503-56010-1C
		6	50	150	1502-55006-3	1503-55006-3C
	135-190	10	50	150	1502-55010-3	1503-55010-3C
SUPPORT BLADE		10	70	150	1502-57010-3	1503-57010-3C
		6	50	150	1502-55006-4	1503-55006-3C
Right Hand turning	170-250	6	50	150	1502-55010-4	1503-55010-3C
	170-230	10	85	150	1502-58510-4	1503-58510-3C
*		10	0.5	150	1302-30310-4	1303-36310-3C
		6	50	150	1502-55006-5	1503-55006-3C
	245-400	10	50	150	1502-55010-5	1503-55010-3C
		10	100	150	1502-510010-5	1503-510010-3C
	*					
		6	50	150	1502-55006-6	1503-55006-3C
	395-∞	10	50	150	1502-55010-6	1503-55010-3C
		10	100	150	1502-510010-6	1503-510010-3C
I II HOLDED	Outer Ø*			Incort		
LH HOLDER	Outer- Ø*	CW	CD	Insert Type	Support blade	Clamp
LH TURNING	Outer- Ø* mm.	CW	CD	Insert Type	Support blade	Clamp
		CW 6	CD 40	1	Support blade 1502-64006-1	Clamp 1503-64006-1C
LH TURNING				Туре		
LH TURNING	mm.	6	40	Type 150	1502-64006-1	1503-64006-1C
LH TURNING	mm.	6 10 10	40 40 50	150 150 150	1502-64006-1 1502-64010-1 1502-65010-1	1503-64006-1C 1503-64010-1C 1503-65010-1C
LH TURNING	mm. 70-100	6 10 10	40 40 50	150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C
LH TURNING	mm.	6 10 10 6 10	40 40 50 40 40	150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C
LH TURNING	mm. 70-100	6 10 10	40 40 50	150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C
LH TURNING	mm. 70-100	6 10 10 6 10	40 40 50 40 40 60	150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C
LH TURNING	mm. 70-100	6 10 10 6 10	40 40 50 40 40	150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C
CLAMP	70-100 100-140	6 10 10 6 10 10	40 40 50 40 40 60	150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C
LH TURNING	70-100 100-140	6 10 10 6 10 10	40 40 50 40 40 60 50 50	150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-67010-3C
CLAMP SUPPORT BLADE	70-100 100-140	6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 50 70	150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65006-3 1502-65010-3	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-65006-3C 1503-65010-3C 1503-67010-3C
CLAMP	70-100 100-140	6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 50	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-67010-3 1502-65006-4 1502-65010-4	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64010-1C 1503-64010-1C 1503-65006-3C 1503-65010-3C 1503-65006-3C 1503-65010-3C
CLAMP SUPPORT BLADE	70-100 100-140 135-190	6 10 10 6 10 10 6 10	40 40 50 40 40 60 50 50 70	150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-65010-3 1502-65010-3 1502-65010-3	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-65006-3C 1503-65010-3C 1503-67010-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-68510-4	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-68510-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6	40 40 50 40 40 60 50 50 70 50 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-68510-4 1502-65006-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 50 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65006-3C 1503-65010-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6	40 40 50 40 40 60 50 50 70 50 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-68510-4 1502-65006-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 50 50 85	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65006-3C 1503-65010-3C
CLAMP SUPPORT BLADE Left Hand turning	70-100 100-140 135-190	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 85 50 50	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5 1502-65010-5 1502-65010-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C
CLAMP SUPPORT BLADE Left Hand turning	mm. 70-100 100-140 135-190 170-250 245-400	6 10 10 6 10 10 6 10 10 6 10 10	40 40 50 40 40 60 50 50 70 50 85 50 50 100	150 150 150 150 150 150 150 150 150 150	1502-64006-1 1502-64010-1 1502-65010-1 1502-64006-2 1502-64010-2 1502-66010-2 1502-65010-3 1502-65010-3 1502-65010-4 1502-65010-4 1502-65010-5 1502-65010-5 1502-610010-5	1503-64006-1C 1503-64010-1C 1503-65010-1C 1503-64006-1C 1503-64010-1C 1503-66010-1C 1503-65006-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C 1503-65010-3C

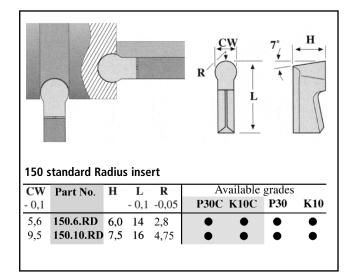
For current stock availability, refer to our latest price list



Type 150 Inserts









Recommendations for face grooving

	RECOMMENDED	FEED MM REV				
MATERIAL	CARBIDE	0,025	0,05	0,1	0,2	
	GRADE	C	UTTING S	PEED M/N	MIN	
Low carbon steel	P30C	130	100	90	90	
Carbon steel	P30C	160	140	110		
Alloyed steel	P30C		110	80	75	
Stainless steel	P30C		100	90	70	
Cast steel	P30C		80	65	50	
Heat resistant Iron-based alloys	K10C	100	65	60	40	
Hard steel (Manganese steel)	K10		20	15		
Malleable Iron	K10C	130	130	110		
Cast Iron	K10C	110	110	95		
Aluminium alloys	K10		240	200		
Heat resistant Nickel-based alloys	K10	30	20	12		
Heat resistant Cobalt-based alloys	K10	30	20	12		
Non-Ferrous materials	K10	240	160	120		

NOTE

The above data are for guidance only. Actual performance depends on various factors, such as mounting stability, workpiece shape and specific material characteristics.





Face Grooving

Technical Information - Face Grooving

Recommendations for face grooving and trepanning operations:

- cutting speed 80% of cutting speed for parting-off
- feed 50% of feed for parting-off
- apply sufficient cooling directly on cutting edge

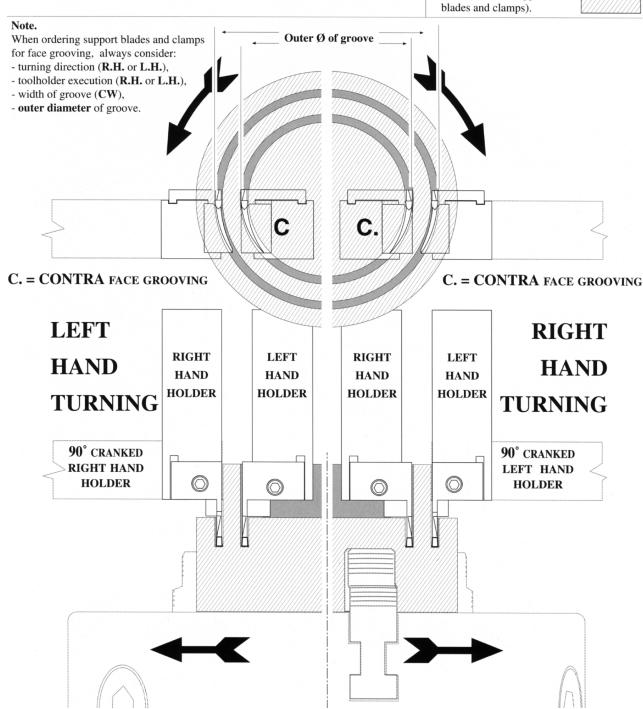
Profile and contour turning:

The initial face groove must be made within the diameter range of assembly. From this first groove it is possible to turn toward larger or smaller diameters.

Trepanning:

When trepanning it is recommendable to stop cutting just before the tool penetrates through, then the slug can be knocked out with a hammer.

Close to a boss: - R.H. turning / L.H. tool - L.H. turning / R.H. tool (use STANDARD support blades and clamps. In a blind hole: - R.H. turning / R.H. tool - L.H. turning / L.H. tool (use CONTRA support



For current stock availability, refer to our latest price list



Manufacturers of Precision Ground Cutting Tools



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