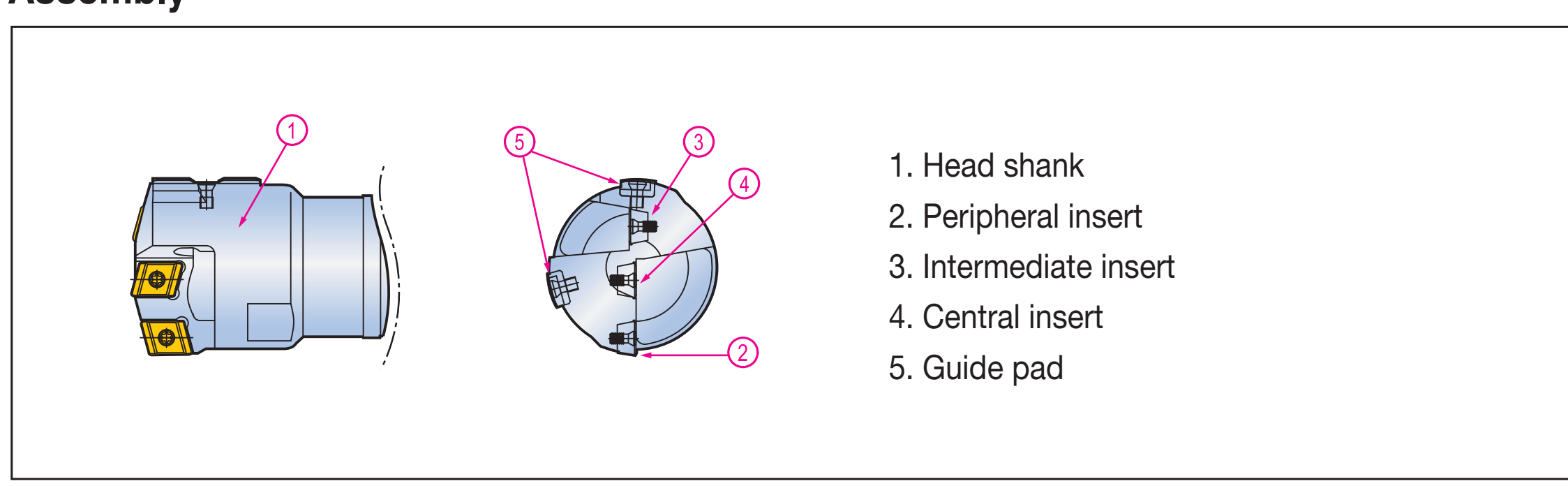


Assembly



- 1. Head shank
- 2. Peripheral insert
- 3. Intermediate insert
- 4. Central insert
- 5. Guide pad

Parts	Diameter (mm)				
	25.00-28.00	28.01-29.99	30.00-35.00	35.01-38.00	
Insert	Peripheral	NPHT 060304R-G-P	NPHT 060304R-G-P	NPHT 080404R-G-P	NPHT 080404R-G-P
	Screw	CSTB-2.2	CSTB-2.2	SR14-560-HG	SR14-560-HG
	Wrench	T-7F	T-7F	T-8F	T-8F
	Intermediate	NPMT 060304R-G-I	NPMT 060304R-G-I	NPMT 070404R-G-I	NPMT 070404R-G-I
	Screw	CSTB-2.2	CSTB-2.2	SR14-560-HG	SR14-560-HG
	Wrench	T-7F	T-7F	T-8F	T-8F
Pad	PAD	PAD-GP06-20-120-DC-SB	PAD-GP06-20-120-DC-SB	PAD-GP07-20-120-DC-SB	PAD-GP07-20-120-DC-SB
		PAD-GP06-20-120-DC-SC	PAD-GP06-20-120-DC-SC	PAD-GP07-20-120-DC-SC	PAD-GP07-20-120-DC-SC
	Screw	CSTB-2.2S	CSTB-2.2S	CSTB-3S	CSTB-3S
	Wrench	T-7F	T-7F	T-9F	T-9F

Parts	Diameter (mm)				
	38.01-39.00	39.01-41.00	41.01-44.00	44.01-45.00	
Insert	Peripheral	NPHT 090404R-G-P	NPHT 090404R-G-P	NPHT 090404R-G-P	NPHT 090404R-G-P
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F	T-8F
	Intermediate	NPMT 070404R-G-I	NPMT 070404R-G-I	NPMT 080404R-G-I	NPMT 080404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F	T-8F
Pad	PAD	PAD-GP07-20-120-DC-SB	PAD-GP08-25-155-DC-SB	PAD-GP08-25-155-DC-SB	PAD-GP08-25-155-DC-SB
		PAD-GP07-20-120-DC-SC	PAD-GP08-25-155-DC-SC	PAD-GP08-25-155-DC-SC	PAD-GP08-25-155-DC-SC
	Screw	CSTB-3S	CSTB-3S	CSTB-3S	CSTB-3S
	Wrench	T-9F	T-9F	T-9F	T-9F

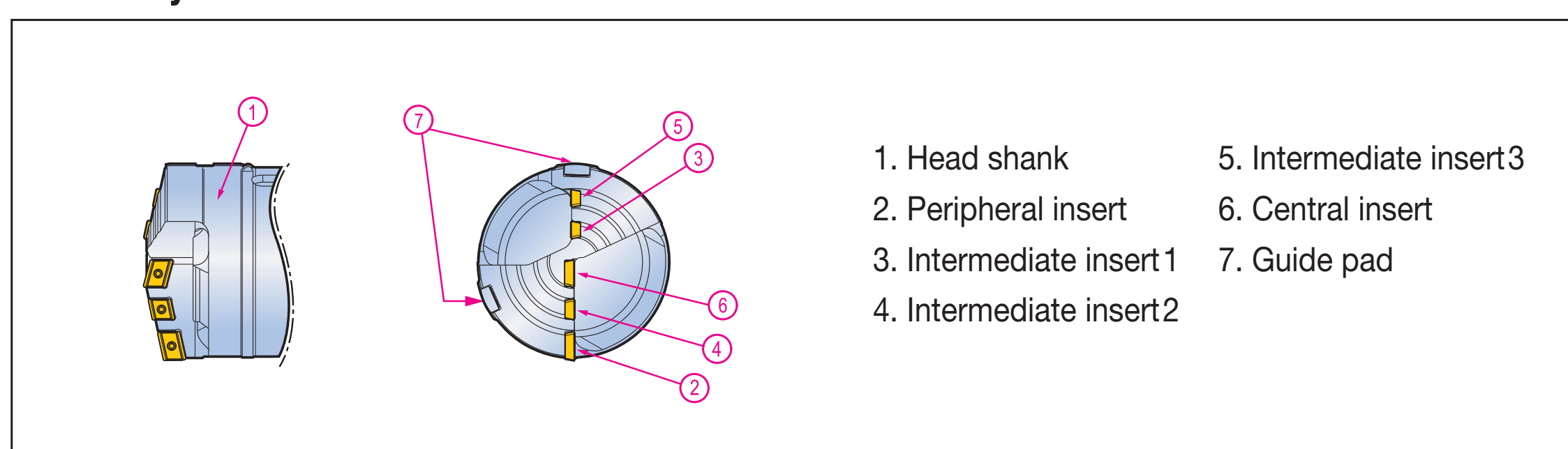
Parts	Diameter (mm)				
	45.01-47.00	47.01-51.00	51.01-54.00	54.01-57.00	
Insert	Peripheral	NPHT 090404R-G-P	NPHT 110404R-G-P	NPHT 110404R-G-P	NPHT 110404R-G-P
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F	T-8F
	Intermediate	NPMT 080404R-G-I	NPMT 080404R-G-I	NPMT 100404R-G-I	NPMT 100404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F	T-8F
Pad	PAD	PAD-GP10-30-200-DC-SB	PAD-GP10-30-200-DC-SB	PAD-GP10-30-200-DC-SB	PAD-GP10-30-200-DC-SB
		PAD-GP10-30-200-DC-SC	PAD-GP10-30-200-DC-SC	PAD-GP10-30-200-DC-SC	PAD-GP10-30-200-DC-SC
	Screw	CSTB-3.5	CSTB-3.5	CSTB-3.5	CSTB-3.5
	Wrench	T-15F	T-15F	T-15F	T-15F

Parts	Diameter (mm)			
	57.01-60.00	60.01-64.00	64.01-65.00	
Insert	Peripheral	NPHT 110404R-G-P	NPHT 130404R-G-P	NPHT 130404R-G-P
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
	Intermediate	NPMT 100404R-G-I	NPMT 100404R-G-I	NPMT 130404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
Pad	PAD	PAD-GP12-35-250-DC-SB	PAD-GP12-35-250-DC-SB	PAD-GP12-35-250-DC-SB
		PAD-GP12-35-250-DC-SC	PAD-GP12-35-250-DC-SC	PAD-GP12-35-250-DC-SC
	Screw	CSTB-3.5	CSTB-3.5	CSTB-3.5
	Wrench	T-15F	T-15F	T-15F

► Insert and guide pad are sold separately from drill body.

TBTA-FB

Assembly

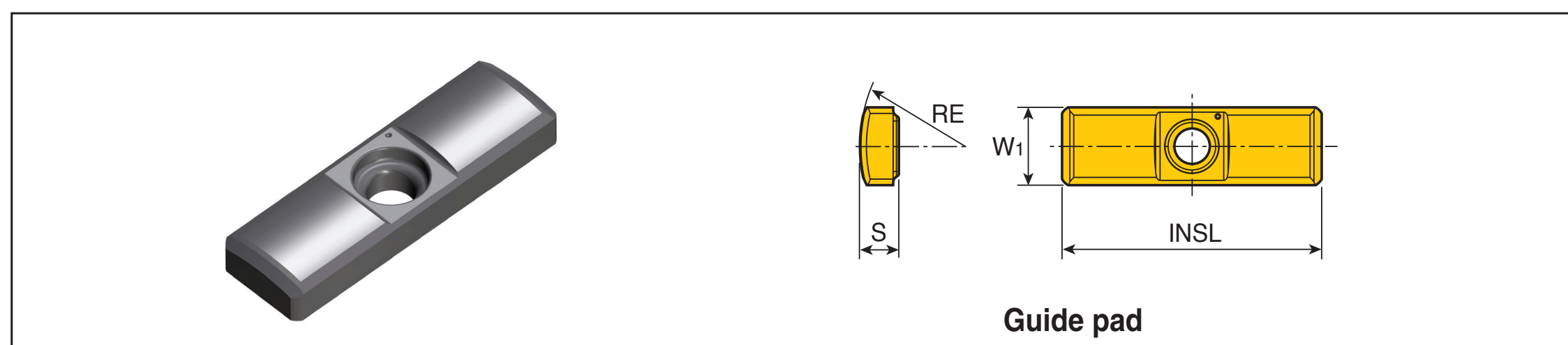


- 1. Head shank
- 2. Peripheral insert
- 3. Intermediate insert 1
- 4. Intermediate insert 2
- 5. Intermediate insert 3
- 6. Central insert
- 7. Guide pad

Parts	Diameter (mm)			
	65.01-71.00	71.01-83.00	83.01-89.00	
Insert	Peripheral	NPHT 110404R-G-P	NPHT 130404R-G-P	NPHT 130404R-G-P
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
	Intermediate1	NPMT 080404R-G-I	NPMT 080404R-G-I	NPMT 080404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
	Intermediate2	NPMT 080404R-G-I	NPMT 080404R-G-I	NPMT 100404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
	Intermediate3	NPMT 070404R-G-I	NPMT 080404R-G-I	NPMT 080404R-G-I
	Screw	SR14-560-HG	SR14-560-HG	SR14-560-HG
	Wrench	T-8F	T-8F	T-8F
Pad	PAD	PAD-GP12-35-250-DC-SB	PAD-GP12-35-250-DC-SB	PAD-GP12-35-250-DC-SB
		PAD-GP12-35-250-DC-SC	PAD-GP12-35-250-DC-SC	PAD-GP12-35-250-DC-SC
	Screw	CSTB-3.5	CSTB-3.5	CSTB-3.5
	Wrench	T-15F	T-15F	T-15F

► Insert and guide pad are sold separately from drill body.

Plus Guide Pad for TBTA



Designation	Dimension (mm)				Screw	
	W1	S	INSL	RE		
Guide pad	PAD - GP06-20-120-DC-SB	6	3.0	20	12.0	CSTB-2.2S
	GP06-20-120-DC-SC	6	3.0	20	12.0	CSTB-2.2S
	GP07-20-120-DC-SB	7	3.5	20	12.0	CSTB-3S
	GP07-20-120-DC-SC	7	3.5	20	12.0	CSTB-3S
	GP08-25-155-DC-SB	8	4.5	25	15.5	CSTB-3S
	GP08-25-155-DC-SC	8	4.5	25	15.5	CSTB-3S
	GP10-30-200-DC-SB	10	4.5	30	20.0	CSTB-3.5
	GP10-30-200-DC-SC	10	4.5	30	20.0	CSTB-3.5
	GP12-35-250-DC-SB	12	5.5	35	25.0	CSTB-3.5
	GP12-35-250-DC-SC	12	5.5	35	25.0	CSTB-3.5