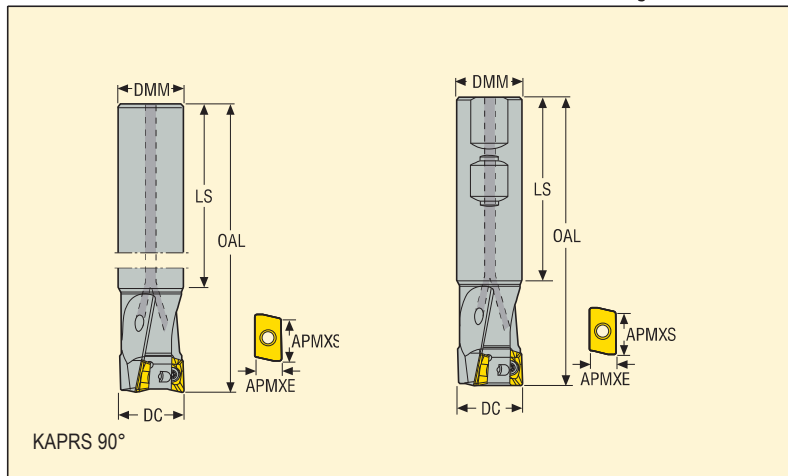


Turbo 12 – R217.69-12

Slotting and contouring



- For insert selection and cutting data recommendations, see page(s) 35-36
- For complete insert programme, see page(s) 684
- For ISO attribute explanation, see page 15

Designation	Type of mounting	Dimensions in mm						RMPX°	C min	C max				Insert
		APMXE	APMXS	DC	DMM	OAL	LS							
R217.69-1820.0-12-2AN	Cylindrical	7,0	11,0	20	18	150	120	8,0	27,12	38,25	2	0,3	23200	XO.X12..
R217.69-2020.0-12-2AN	Cylindrical	7,0	11,0	20	20	150	120	8,0	27,12	38,25	2	0,4	23200	XO.X12..
R217.69-2020.3-12-2AN	Cyl.-Weldon	7,0	11,0	20	20	85	55	8,0	27,12	38,25	2	0,2	23200	XO.X12..
R217.69-2025.3S-12-3AN	Seco-Weldon	7,0	11,0	25	20	100	50	5,0	37,12	48,25	3	0,3	20800	XO.X12..
R217.69-2225.0-12-2AN	Cylindrical	7,0	11,0	25	22	170	135	5,0	37,12	48,25	2	0,5	20800	XO.X12..
R217.69-2525.0-12-2AN	Cylindrical	7,0	11,0	25	25	170	135	5,0	37,12	48,25	2	0,6	20800	XO.X12..
R217.69-2525.3-12-3AN	Cyl.-Weldon	7,0	11,0	25	25	95	60	5,0	37,12	48,25	3	0,3	20800	XO.X12..
R217.69-3032.0-12-3AN	Cylindrical	7,0	11,0	32	30	195	155	3,0	51,12	62,25	3	1,0	18400	XO.X12..
R217.69-3232.0-12-3AN	Cylindrical	7,0	11,0	32	32	195	155	3,0	51,12	62,25	3	1,1	18400	XO.X12..
R217.69-3232.3-12-3AN	Cyl.-Weldon	7,0	11,0	32	32	105	65	3,0	51,12	62,25	3	0,6	18400	XO.X12..

Spare Parts

For cutter	Key (T-handle)	Insert screw	Insert key	Torque value (Nm)
R217.69...	DOUBLE-T	C03507-T10P	H4B-T10P	3,0
R217.69...	DOUBLE-T	C03508-T10P	H4B-T10P	3,0

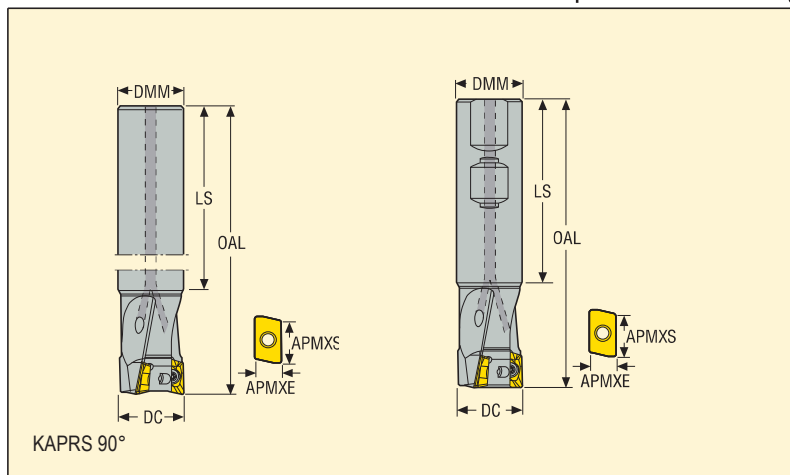
Please check availability in current price and stock-list
Torque keys, see page 732

Turbo 12 – R217.69-12

Optimized for contouring



- For insert selection and cutting data recommendations, see page(s) 35-36
- For complete insert programme, see page(s) 684
- For ISO attribute explanation, see page 15



Designation	Type of mounting	Dimensions in mm						RMPX°	C min	C max				Insert
		APMXE	APMXS	DC	DMM	OAL	LS							
R217.69-2525.0-12-3AN	Cylindrical	7,0	11,0	25	25	170	135	5,0	37,12	48,25	3	0,6	20800	XO.X12..
R217.69-3232.0-12-4AN	Cylindrical	7,0	11,0	32	32	195	155	3,0	51,12	62,25	4	1,1	18400	XO.X12..
R217.69-2532.3S-12-4AN	Seco-Weldon	7,0	11,0	32	25	110	56	3,0	51,12	62,25	4	0,5	18400	XO.X12..
R217.69-3232.3-12-4AN	Cyl.-Weldon	7,0	11,0	32	32	105	65	3,0	51,12	62,25	4	0,6	18400	XO.X12..
R217.69-3240.3S-12-5AN	Seco-Weldon	7,0	11,0	40	32	120	60	2,5	67,12	78,25	5	0,8	16400	XO.X12..

Spare Parts

For cutter	Key (T-handle)	Insert screw	Insert key	Torque value (Nm)
Ø25	DOUBLE-T	C03507-T10P	H4B-T10P	3,0
Ø32	DOUBLE-T	C03508-T10P	H4B-T10P	3,0
Ø40	DOUBLE-T	C03509-T10P	H4B-T10P	3,0

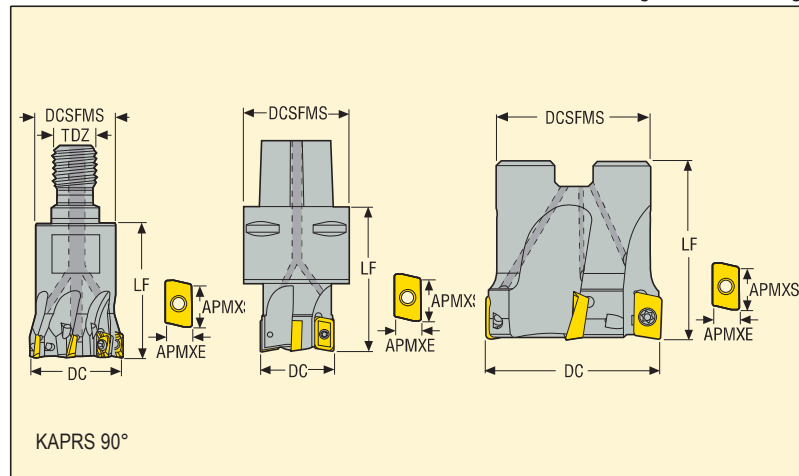
Please check availability in current price and stock-list
Torque keys, see page 732

Turbo 12 – R217/220.69-12

Slotting and contouring



- For insert selection and cutting data recommendations, see page(s) 35-36
- For complete insert programme, see page(s) 684
- For ISO attribute explanation, see page 15



Designation	Type of mounting	Dimensions in mm							RMPX°	C min	C max				Insert
		APMXE	APMXS	DC	DCSFMS	DCB	TDZ	LF							
R217.69-1020.RE-12-2AN	Combimaster	7,0	11,0	20,0	18	–	M10	28,0	8,0	27,12	38,25	2	0,1	23200	XO.X12..
R217.69-1225.RE-12-3AN	Combimaster	7,0	11,0	25,0	23	–	M12	30,0	5,0	37,12	48,25	3	0,1	20800	XO.X12..
R217.69-1632.RE-12-3AN	Combimaster	7,0	11,0	32,0	30	–	M16	40,0	3,0	51,12	62,25	3	0,2	18400	XO.X12..
R220.69-0032-12-3AN	Arbor	7,0	11,0	32,0	30	16	–	35,0	3,0	51,12	62,25	3	0,3	18400	XO.X12..
R217.69-1640.RE-12-4AN	Combimaster	7,0	11,0	40,0	30	–	M16	40,0	2,5	67,12	78,25	4	0,3	16400	XO.X12..
R217.69-2040.RE-12-4AN	Combimaster	7,0	11,0	40,0	37	–	M20	40,0	2,5	67,12	78,25	4	0,4	16400	XO.X12..
R220.69-0040-12-4AN	Arbor	7,0	11,0	40,0	35	16	–	40,0	2,5	67,12	78,25	4	0,4	16400	XO.X12..
C5-R217.69-040-12-4AN	Seco-Capto	7,0	11,0	40,0	50	–	–	80,0	2,5	67,12	78,25	4	0,9	16400	XO.X12..
R220.69-0044-12-4AN	Arbor	7,0	11,0	44,0	36	16	–	40,0	2,2	75,12	86,25	4	0,1	15600	XO.X12..
R220.69-0050-12-5AN	Arbor	7,0	11,0	50,0	47	22	–	40,0	2,0	87,12	98,25	5	0,4	14800	XO.X12..
R220.69-0052-12-5AN	Arbor	7,0	11,0	52,0	47	22	–	40,0	1,7	92,96	102,5	5	0,6	14200	XO.X12..
C5-R217.69-054-12-5AN	Seco-Capto	7,0	11,0	54,0	50	–	–	60,0	1,7	95,12	106,25	5	1,0	14200	XO.X12..
R220.69-0063-12-6AN	Arbor	7,0	11,0	63,0	52	27	–	40,0	1,5	113,12	124,25	6	0,5	13200	XO.X12..
R220.69-0066-12-6AN	Arbor	7,0	11,0	66,0	52	27	–	40,0	1,5	119,12	130,25	6	0,9	13200	XO.X12..
R220.69-0080-12-7AN	Arbor	7,0	11,0	80,0	62	27	–	50,0	1,0	147,12	158,25	7	1,1	11600	XO.X12..
R220.69-0084-12-7AN	Arbor	7,0	11,0	84,0	62	27	–	50,0	1,0	146,5	165,0	7	1,4	11300	XO.X12..
R220.69-0100-12-8AN	Arbor	7,0	11,0	100,0	77	32	–	50,0	0,5	187,12	198,25	8	1,7	10400	XO.X12..
R220.69-0125-12-10AN	Arbor	7,0	11,0	125,0	90	40	–	63,0	0,5	237,12	248,25	10	3,2	9200	XO.X12..

For Combimaster Shanks, see Machining Navigator Tooling System

Spare Parts

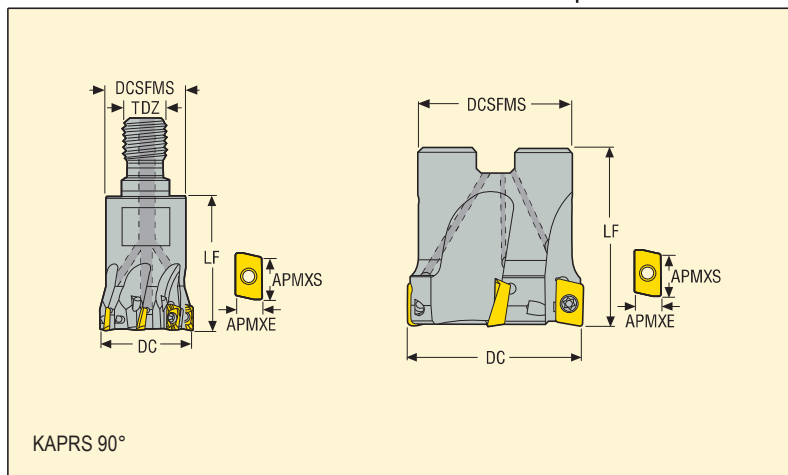
For cutter	Key (T-handle)	Insert screw	Insert key	Arbor screw	Torque value (Nm)
R217.69... Ø20-25	DOUBLE-T	C03507-T10P	H4B-T10P	–	3,0
R217.69... Ø 32	DOUBLE-T	C03508-T10P	H4B-T10P	–	3,0
R220.69-0032	DOUBLE-T	C03508-T10P	H4B-T10P	220.17-688	3,0
R217.69- Ø40	DOUBLE-T	C03509-T10P	H4B-T10P	–	3,0
R220.69-0040-0044	DOUBLE-T	C03509-T10P	H4B-T10P	MC6S8X30	3,0
C5-R217.69...	DOUBLE-T	C03509-T10P	H4B-T10P	–	3,0
R220.69-0050-0052	DOUBLE-T	C03509-T10P	H4B-T10P	220.17-692	3,0
R220.69-0063-0066	DOUBLE-T	C03509-T10P	H4B-T10P	220.17-693	3,0
R220.69-0066-0066	DOUBLE-T	C03509-T10P	H4B-T10P	220.17-693	3,0
R220.69-0080-0084	DOUBLE-T	C03509-T10P	H4B-T10P	–	3,0
R220.69-0100-0125	DOUBLE-T	C03509-T10P	H4B-T10PL	–	3,0

Please check availability in current price and stock-list

Torque keys, see page 732

Turbo 12 – R217/220.69-12

Optimized for contouring



- For insert selection and cutting data recommendations, see page(s) 35-36
- For complete insert programme, see page(s) 684
- For ISO attribute explanation, see page 15

Designation	Type of mounting	Dimensions in mm							RMPX°	C min	C max				Insert
		APMXE	APMXS	DC	DCSFMS	DCB	TDZ	LF							
R217.69-1632.RE-12-4AN	Combimaster	7,0	11,0	32,0	30	–	M16	40,0	3,0	51,12	62,25	4	0,2	18400	XO.X12..
R220.69-0032-12-4AN	Arbor	7,0	11,0	32,0	30	16	–	35,0	3,0	51,12	62,25	4	0,3	18400	XO.X12..
R217.69-1640.RE-12-5AN	Combimaster	7,0	11,0	40,0	30	–	M16	40,0	2,5	67,12	78,25	5	0,3	16400	XO.X12..
R217.69-2040.RE-12-5AN	Combimaster	7,0	11,0	40,0	37	–	M20	40,0	2,5	67,12	78,25	5	0,4	16400	XO.X12..
R220.69-0040-12-5AN	Arbor	7,0	11,0	40,0	35	16	–	40,0	2,5	67,12	78,25	5	0,2	16400	XO.X12..
R220.69-0050-12-7AN	Arbor	7,0	11,0	50,0	47	22	–	40,0	2,0	87,12	98,25	7	0,4	14800	XO.X12..
R220.69-0063-12-8AN	Arbor	7,0	11,0	63,0	52	27	–	40,0	1,5	113,12	124,25	8	0,6	13200	XO.X12..
R220.69-0080-12-10AN	Arbor	7,0	11,0	80,0	62	27	–	50,0	1,0	147,12	158,25	10	1,0	11600	XO.X12..
R220.69-0100-12-12AN	Arbor	7,0	11,0	100,0	77	32	–	50,0	0,5	187,12	198,25	12	1,7	10400	XO.X12..
R220.69-0125-12-14AN	Arbor	7,0	11,0	125,0	90	40	–	63,0	0,5	237,12	248,25	14	3,2	9200	XO.X12..

For Combimaster Shanks, see Machining Navigator Tooling System

Spare Parts

For cutter	Key (T-handle)	Insert screw	Insert key	Arbor screw	Torque value (Nm)
R217.69- Ø32	DOUBLE-T	C03508-T10P	H4B-T10P	–	3,0
R220.69-0032	DOUBLE-T	C03507-T10P	H4B-T10P	220.17-688	3,0
R217.69- Ø40	DOUBLE-T	C03509-T10P	H4B-T10P	–	3,0
R220.69-0040	DOUBLE-T	C03509-T10P	H4B-T10P	MC6S8X30	3,0
R220.69-0050	DOUBLE-T	C03509-T10P	H4B-T10P	220.17-692	3,0
R220.69-0063	DOUBLE-T	C03509-T10P	H4B-T10P	220.17-693	3,0
R220.69-0080	DOUBLE-T	C03509-T10P	H4B-T10P	–	3,0
R220.69-0100-0125	DOUBLE-T	C03509-T10P	H4B-T10PL	–	3,0

Please check availability in current price and stock-list

Torque keys, see page 732