L2-SZP

P M K S H

PRAMET

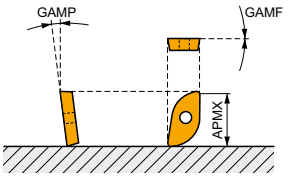
S

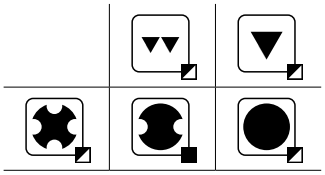


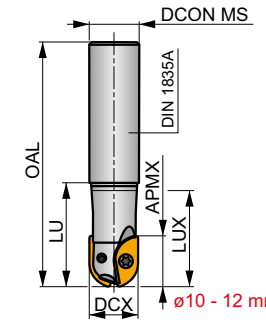
Ball nose Profile Milling Cutter for ZP.. Inserts

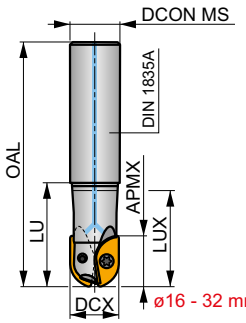
Ball nose milling cutter utilising ZP.. style inserts with APMX from 8.9 up to 44.7 mm. Suitable for profile milling. Available in cylindrical, Weldon, Morse taper and modular style, in range Ø10 up to Ø50 mm. Body treated for longer tool life.

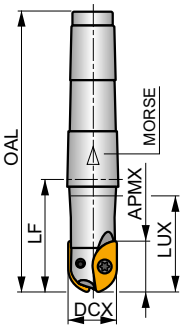
APMX	8.9 - 44.7 mm

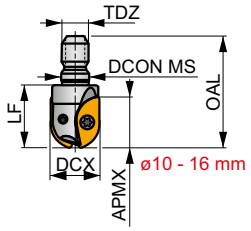


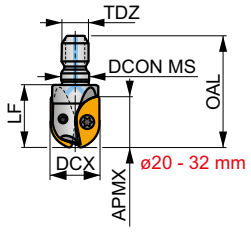


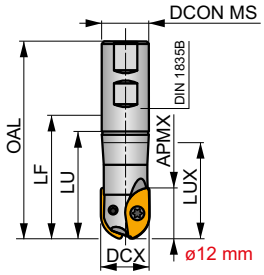


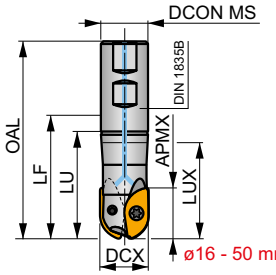












h_m 0.05 - 0.19



	Product	DCX [mm]	OAL [mm]	DCON MS [mm]	LU [mm]	LUX [mm]	LF [mm]	TDZ	CZC MS	APMX [mm]	GAMF [°]	GAMP [°]			max.		kg		
	10L2R030A10-SZP10	10	130	10	30	30	–	–	–	–	0	-10	2	–	35800	–	0.11	GI255	C0510
	10L2R050A16-SZP10	10	160	16	50	22.3	–	–	–	–	0	-10	2	–	35800	–	0.26	GI255	C0510
	12L2R035A12-SZP12	12	140	12	35	35	–	–	–	–	0	-10	2	–	21000	–	0.15	GI253	C0510
	12L2R045A20-SZP12	12	200	20	–	22	–	–	–	–	0	-10	2	–	21000	–	0.51	GI253	C0511
	16L2R040A16-SZP16-C	16	160	16	40	40	–	–	–	–	0	-10	2	–	20000	✓	0.24	GI256	C0510
DIN 1835A	**16L2R045A20-SZP16-C**	16	200	20	–	29.4	–	–	–	–	0	-10	2	–	20000	✓	1.48	GI256	C0512
DIN 1835A	**20L2R050A20-SZP20-C**	20	250	20	50	–	–	–	–	–	0	-10	2	–	24000	✓	0.56	GI254	C0513
DIN 1835A	**20L2R055A25-SZP20-C**	20	200	25	–	36.1	–	–	–	–	0	-10	2	–	24000	✓	0.68	GI254	C0513
DIN 1835A	**20L2R055A32-SZP20-C**	20	250	32	–	34.5	–	–	–	–	0	-10	2	–	24000	✓	1.34	GI254	C0513
DIN 1835A	**25L2R060A25-SZP25-C**	25	250	25	60	–	–	–	–	–	0	-10	2	–	24000	✓	0.86	GI257	C0514
DIN 1835A	**25L2R065A32-SZP25-C**	25	250	32	–	43	–	–	–	–	0	-10	2	–	24000	✓	1.34	GI257	C0514
DIN 1835A	**32L2R070A32-SZP32-C**	32	250	32	–	–	–	–	–	–	0	-10	2	–	18500	✓	1.43	GI258	C0515
	12L2R040B20-SZP12	12	91	20	40	21.5	66.5	–	–	–	0	-10	2	–	21000	–	0.19	GI253	C0511
	12L2R060B20-SZP12	12	111	20	60	23.8	86.5	–	–	–	0	-10	2	–	21000	–	0.23	GI253	C0511
	16L2R040B20-SZP16-C	16	91	20	40	28.3	66.5	–	–	–	0	-10	2	–	20000	✓	0.15	GI256	C0512
	16L2R060B20-SZP16-C	16	111	20	60	32.9	86.5	–	–	–	0	-10	2	–	20000	✓	0.21	GI256	C0512
	20L2R050B25-SZP20-C	20	107	25	50	35.1	75.5	–	–	–	0	-10	2	–	24000	✓	0.31	GI254	C0513
	20L2R070B25-SZP20-C	20	127	25	70	39.5	95.5	–	–	–	0	-10	2	–	24000	✓	0.36	GI254	C0513
DIN 1835B	**25L2R060B25-SZP25-C**	25	117	25	60	–	85.5	–	–	–	0	-10	2	–	24000	✓	0.36	GI257	C0514
DIN 1835B	**25L2R080B25-SZP25-C**	25	137	25	80	–	105	–	–	–	0	-10	2	–	24000	✓	0.43	GI257	C0514
DIN 1835B	**32L2R070B32-SZP32-C**	32	131	32	70	–	95.5	–	–	–	0	-10	2	–	18500	✓	0.72	GI258	C0515
DIN 1835B	**32L2R100B32-SZP32-C**	32	161	32	100	–	125.5	–	–	–	0	-10	2	–	18500	✓	0.85	GI258	C0515
DIN 1835B	**40L2R070B32-SZP40-C**	40	131	32	70	–	95.5	–	–	–	0	-10	2	–	8000	✓	0.81	GI259	C0516
DIN 1835B	**40L2R100B40-SZP40-C**	40	171	40	100	–	131	–	–	–	0	-10	2	–	8000	✓	1.40	GI259	C0516
DIN 1835B	**50L2R100B50-SZP50-C**	50	181	50	100	–	136.5	–	–	–	0	-10	2	–	7000	✓	2.25	GI260	C0517
DIN 228A	**10L2R050E02-SZP10**	10	114	–	–	21.9	50	–	2	–	0	-10	2	–	35800	–	0.13	GI255	C0510
DIN 228A	**12L2R040E02-SZP12**	12	104	–	–	22.5	40	–	2	–	0	-10	2	–	21000	–	0.14	GI253	C0511

	Product	DCX [mm]	OAL [mm]	DCON MS [mm]	LU [mm]	LUX [mm]	LF [mm]	TDZ	CZC MS	APMX [mm]	GAMF [°]	GAMP [°]			max.		kg		
DIN 228A	**12L2R060E02-SZP12**	12	124	–	–	25.8	60	–	2	–	0	-10	2	–	21000	–	0.18	GI253	C0511
	12L2R090E02-SZP12	12	154	–	–	25.8	90	–	2	–	0	-10	2	–	21000	–	0.23	GI253	C0511
	16L2R040E02-SZP16	16	104	–	–	31.3	40	–	2	–	0	-10	2	–	20000	–	0.14	GI256	C0512
	16L2R060E02-SZP16	16	124	–	–	42.2	60	–	2	–	0	-10	2	–	20000	–	0.19	GI256	C0512
	16L2R090E02-SZP16	16	154	–	–	75.9	90	–	2	–	0	-10	2	–	20000	–	0.23	GI256	C0512
	20L2R050E03-SZP20	20	131	–	–	36.6	50	–	3	–	0	-10	2	–	24000	–	0.35	GI254	C0513
	20L2R070E03-SZP20	20	151	–	–	–	70	–	3	–	0	-10	2	–	24000	–	0.39	GI254	C0513
	20L2R100E03-SZP20	20	181	–	–	77.4	100	–	3	–	0	-10	2	–	24000	–	0.42	GI254	C0513
	25L2R080E03-SZP25	25	161	–	–	–	80	–	3	–	0	-10	2	–	24000	–	0.46	GI257	C0514
	25L2R110E04-SZP25	25	213	–	–	92.7	110	–	4	–	0	-10	2	–	24000	–	0.84	GI257	C0514
	32L2R100E04-SZP32	32	203	–	–	–	100	–	4	–	0	-10	2	–	18500	–	0.90	GI258	C0515
	32L2R150E04-SZP32	32	253	–	–	–	150	–	4	–	0	-10	2	–	18500	–	1.10	GI258	C0515
	50L2R100E05-SZP50	50	230	–	–	–	100	–	5	–	0	-10	2	–	7000	–	2.20	GI260	C0517
MODULAR	**10L2R025M08-SZP10**	10	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.03	GI255	C0510
	12L2R025M06-SZP12	12	–	6.5	–	–	25	M6	–	–	0	-10	2	–	–	–	0.05	GI253	C0510
	12L2R025M08-SZP12	12	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.05	GI253	C0511
	16L2R025M08-SZP16	16	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.05	GI256	C0512
	20L2R030M10-SZP20-C	20	–	10.5	–	–	30	M10	–	–	0	-10	2	–	–	✓	0.07	GI254	C0513
	25L2R035M12-SZP25-C	25	–	12.5	–	–	35	M12	–	–	0	-10	2	–	–	✓	0.09	GI257	C0514
	32L2R045M16-SZP32-C	32	–	17	–	–	45	M16	–	–	0	-10	2	–	–	✓	0.15	GI258	C0515

GI253	ZP 12..
GI254	ZP 20..
GI255	ZP 10..
GI256	ZP 16..
GI257	ZP 25..
GI258	ZP 32..
GI259	ZP 40..
GI260	ZP 50..

					Nm			
C0510	–	–	Flag T06P	US 62004-T06P	0.6	M 2	4	–
C0511	–	–	Flag T08P	US 62506-T08P	1.2	M 2.5	6	–
C0512	–	–	Flag T08P	US 62508-T08P	1.2	M 2.5	7	–
C0513	–	–	Flag T10P	US 63510-T10P	2.0	M 3.5	9	–
C0514	–	–	Flag T15P	US 4011A-T15P	3.5	M 4	11	–
C0515	–	–	–	US 65013-T20	5.0	M 5	13	SDR T20
C0516	–	–	–	US 66015-T25P	7.5	M 6	15	SDR T25P
C0517	SZN 400322	US 3508-T15P	Flag T15P	US 68020-T30P	15.0	M 8	20	SDR T30P