



Product Innovations

9/20

Catalogue

Version 2019

2019 EN



ZCC Cutting Tools Europe GmbH

your Partner | your Value

Indexable drilling

System code – drilling bodies	C46
ZSD series for optimal surfaces	C47–C56
Recommended cutting data	C58–C59

Solid carbide drilling

System code – solid carbide drills	C60–61
UD series for tough materials	C63–C69
GD series for high feeds	C71–C73



A

Turning

B

Milling

C

Drilling

D

Technical
Information

E

Index

ZSD – 03 300 – XP – 32 S P 09 – 02

1 2 3 4 5 6 7 8 9

A

Turning

Type	
Code	Description
ZSD	Indexable drill (SPMX*)
ZTD	Indexable drill (SPGT*)
ZD	Indexable drill (WCMX*)

L/D relation	
Code	Description
02	2xD
03	3xD
04	4xD
05	5xD

B

Milling

1

2

Diameter [mm]	
Code	Description
130	13
...	

Shank type	
Code	Description
XP	Weldon shank



3

4

C

Drilling

Coupling size [mm]

Insert shape	
W	
S	

Clearance angle	
Code	Description
C	7°
P	11°



5

6

7

D

Technical Information

Cutting edge length [mm]		
Code	Insert shape	
	 W	 S
03	3,8	
04	4,3	
05	5,4	5
06	6,5	6
08	8,7	7,94
09		9,8
11		11,5
12		12,7
14		14,3

Number of teeth

8

9

E

Index

ZSD series

Indexable drills ZSD02/03/04/05

ZSD02



Inserts

- For machining of steel, stainless steel, cast iron and hard-to-cut materials
- Four-edge SPMX inserts with three chip breakers and four different types
- Wiper geometry for improved surface quality
- Wave form geometry provides optimum chip breaking and removal of short chips
- Chip breakers for soft cut produce lower cutting forces

Drilling bodies

- Specially designed drill body with high rigidity
- Large drilling depths up to 5xD with high precision and process reliability
- Diameter ranges 12–63 mm as well as available in common intermediate sizes

Insert grades

YB9320	YBG212	YBS203	YB6338
PVD	PVD	PVD	CVD
P10–P30	P20–P35	M15–M35	P20–P30
M10–M25	M10–M25	S10–S30	K20–K30

Chip breakers

- Marking of the cutting edges for optimal positioning
- **Wiper technology:** excellent surface finish and drilling precision

-XM



- All-rounder geometry with good chip control for steel and cast iron

-EM



- Optimised geometry with very good chip control for stainless steel and super alloys

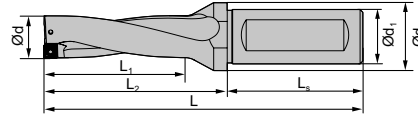
-LM



- Light cutting geometry with very good chip control for soft steels

Indexable drills series


ZSD02



Article	*	Stock	Dimensions [mm]							kg	Inserts
			ØD	ØD1	ØD2	L1	L2	L3	L		
ZSD02-120-XP20-SP04-02	*	●	12.0	20	25	27	44	50	94		SPMX040203**
ZSD02-125-XP20-SP04-02	*	●	12.5	20	25	28	45	50	95		SPMX040203**
ZSD02-130-XP20-SP04-02	*	●	13.0	20	25	29	46	50	96		SPMX040203**
ZSD02-135-XP20-SP04-02	*	●	13.5	20	25	30	47	50	97		SPMX040203**
ZSD02-140-XP20-SP04-02	*	●	14.0	20	25	31	48	50	98		SPMX040203**
ZSD02-145-XP20-SP04-02	*	●	14.5	20	25	32	49	50	99		SPMX040203**
ZSD02-150-XP20-SP05-02	*	●	15.0	20	25	33	50	50	100		SPMX050204**
ZSD02-155-XP20-SP05-02	*	●	15.5	20	25	34	51	50	101		SPMX050204**
ZSD02-160-XP20-SP05-02	*	●	16.0	20	25	35	52	50	102		SPMX050204**
ZSD02-165-XP20-SP05-02	*	●	16.5	20	25	36	53	50	103		SPMX050204**
ZSD02-170-XP20-SP05-02	*	●	17.0	20	25	37	54	50	104		SPMX050204**
ZSD02-175-XP20-SP05-02	*	●	17.5	20	25	38	55	50	105		SPMX050204**
ZSD02-180-XP25-SP06-02	*	●	18.0	25	32	39	57	56	113		SPMX060204**
ZSD02-185-XP25-SP06-02	*	●	18.5	25	32	40	58	56	114		SPMX060204**
ZSD02-190-XP25-SP06-02	*	●	19.0	25	32	41	59	56	115		SPMX060204**
ZSD02-195-XP25-SP06-02	*	●	19.5	25	32	42	60	56	116		SPMX060204**
ZSD02-200-XP25-SP06-02	*	●	20.0	25	32	43	61	56	117		SPMX060204**
ZSD02-205-XP25-SP06-02	*	●	20.5	25	32	44	62	56	118		SPMX060204**
ZSD02-210-XP25-SP06-02	*	●	21.0	25	32	45	63	56	119		SPMX060204**
ZSD02-215-XP25-SP06-02	*	●	21.5	25	32	46	64	56	120		SPMX060204**
ZSD02-220-XP25-SP06-02	*	●	22.0	25	32	47	65	56	121		SPMX060204**
ZSD02-225-XP25-SP07-02	*	●	22.5	25	32	48	66	56	122		SPMX07T308**
ZSD02-230-XP25-SP07-02	*	●	23.0	25	32	49	67	56	123		SPMX07T308**
ZSD02-235-XP25-SP07-02	*	●	23.5	25	32	50	68	56	124		SPMX07T308**
ZSD02-240-XP25-SP07-02	*	●	24.0	25	32	51	69	56	125		SPMX07T308**
ZSD02-245-XP25-SP07-02	*	●	24.5	25	32	52	70	56	126		SPMX07T308**
ZSD02-250-XP25-SP07-02	*	●	25.0	25	32	53	71	56	127		SPMX07T308**
ZSD02-255-XP25-SP07-02	*	●	25.5	25	32	54	72	56	128		SPMX07T308**
ZSD02-260-XP25-SP07-02	*	●	26.0	25	32	55	73	56	129		SPMX07T308**
ZSD02-265-XP25-SP07-02	*	●	26.5	25	32	56	74	56	130		SPMX07T308**
ZSD02-270-XP25-SP07-02	*	●	27.0	25	32	57	75	56	131		SPMX07T308**
ZSD02-275-XP25-SP07-02	*	●	27.5	25	32	58	76	56	132		SPMX07T308**
ZSD02-280-XP32-SP09-02	*	●	28.0	32	37	59	79	60	139		SPMX090408**



● Ex stock ○ On demand

* With internal cooling

Article	*	Stock	Dimensions [mm]							kg	Inserts 
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD02-290-XP32-SP09-02	*	•	29.0	32	37	60	81	60	141		SPMX090408**
ZSD02-300-XP32-SP09-02	*	•	30.0	32	37	61	83	60	143		SPMX090408**
ZSD02-310-XP32-SP09-02	*	•	31.0	32	37	65	85	60	145		SPMX090408**
ZSD02-320-XP32-SP09-02	*	•	32.0	32	37	67	87	60	147		SPMX090408**
ZSD02-330-XP32-SP09-02	*	•	33.0	32	37	69	89	60	149		SPMX090408**
ZSD02-340-XP40-SP11-02	*	•	34.0	40	47	71	96	70	166		SPMX110408**
ZSD02-350-XP40-SP11-02	*	•	35.0	40	47	73	98	70	168		SPMX110408**
ZSD02-360-XP40-SP11-02	*	•	36.0	40	47	75	100	70	170		SPMX110408**
ZSD02-370-XP40-SP11-02	*	•	37.0	40	47	77	102	70	172		SPMX110408**
ZSD02-380-XP40-SP11-02	*	•	38.0	40	47	79	104	70	174		SPMX110408**
ZSD02-390-XP40-SP11-02	*	•	39.0	40	47	81	106	70	176		SPMX110408**
ZSD02-400-XP40-SP11-02	*	•	40.0	40	47	83	108	70	178		SPMX110408**
ZSD02-410-XP40-SP11-02	*	•	41.0	40	47	85	110	70	180		SPMX110408**
ZSD02-420-XP40-SP14-02	*	•	42.0	40	52	87	119	70	189		SPMX140512**
ZSD02-430-XP40-SP14-02	*	•	43.0	40	52	89	121	70	191		SPMX140512**
ZSD02-440-XP40-SP14-02	*	•	44.0	40	52	91	123	70	193		SPMX140512**
ZSD02-450-XP40-SP14-02	*	•	45.0	40	52	93	125	70	195		SPMX140512**
ZSD02-460-XP40-SP14-02	*	•	46.0	40	52	95	127	70	197		SPMX140512**
ZSD02-470-XP40-SP14-02	*	•	47.0	40	52	97	129	70	199		SPMX140512**
ZSD02-480-XP40-SP14-02	*	•	48.0	40	52	99	131	70	201		SPMX140512**
ZSD02-490-XP40-SP14-02	*	•	49.0	40	52	102	133	70	203		SPMX140512**
ZSD02-500-XP40-SP14-02	*	•	50.0	40	52	103	135	70	205		SPMX140512**
ZSD02-510-XP50-SP14-02	*	•	51,0	50	57	105	137	80	217		SPMX110408**
ZSD02-520-XP50-SP14-02	*	•	52,0	50	57	107	139	80	219		SPMX140512**
ZSD02-530-XP50-SP14-02	*	•	53,0	50	57	109	141	80	221		SPMX140512**
ZSD02-540-XP50-SP09-04	*	•	54,0	50	57	111	143	80	223		SPMX090408**
ZSD02-550-XP50-SP09-04	*	•	55,0	50	57	113	145	80	225		SPMX090408**
ZSD02-560-XP50-SP09-04	*	•	56,0	50	57	115	147	80	227		SPMX090408**
ZSD02-570-XP50-SP09-04	*	•	57,0	50	57	117	149	80	229		SPMX090408**
ZSD02-580-XP50-SP09-04	*	•	58,0	50	57	119	151	80	231		SPMX090408**
ZSD02-590-XP50-SP09-04	*	•	59,0	50	57	121	153	80	233		SPMX090408**
ZSD02-600-XP50-SP09-04	*	•	60,0	50	57	123	155	80	235		SPMX090408**
ZSD02-610-XP50-SP09-04	*	•	61,0	50	57	125	157	80	237		SPMX090408**
ZSD02-620-XP50-SP09-04	*	•	62,0	50	57	127	159	80	239		SPMX090408**
ZSD02-630-XP50-SP09-04	*	•	63,0	50	57	129	161	80	241		SPMX090408**

• Ex stock ◦ On demand

* With internal cooling

Spare parts		SPMX040204**	SPMX050204**	SPMX060204**	SPMX07T308**	SPMX090408**	SPMX110408**	SPMX140512**
	Insert Screw	I60M2x4.3	I60M2x4.3	I60M2.2x5.5	I60M2.5x6.5	I60M3.5x8	I60M4x10	I60M5x13
	Wrench	WT06IP	WT06IP	WT07IP	WT07IP	WT15IP	WT15IP	WT20IP

A

Turning

B

Milling

C

Drilling

D

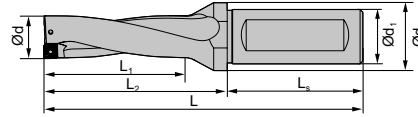
Technical Information

E

Index

Indexable drills series


ZSD03



Article	*	Stock	Dimensions [mm]							kg	Inserts
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD03-120-XP20-SP04-02	*	●	12.0	20	25	39	55	50	105		SPMX040203**
ZSD03-125-XP20-SP04-02	*	●	12.5	20	25	41	57	50	107		SPMX040203**
ZSD03-130-XP20-SP04-02	*	●	13.0	20	25	42	58	50	108		SPMX040203**
ZSD03-135-XP20-SP04-02	*	●	13.5	20	25	44	60	50	110		SPMX040203**
ZSD03-140-XP20-SP04-02	*	●	14.0	20	25	45	61	50	111		SPMX040203**
ZSD03-145-XP20-SP04-02	*	●	14.5	20	25	47	63	50	113		SPMX040203**
ZSD03-150-XP20-SP05-02	*	●	15.0	20	25	48	64	50	114		SPMX050204**
ZSD03-155-XP20-SP05-02	*	●	15.5	20	25	50	66	50	116		SPMX050204**
ZSD03-160-XP20-SP05-02	*	●	16.0	20	25	51	67	50	117		SPMX050204**
ZSD03-165-XP20-SP05-02	*	●	16.5	20	25	53	69	50	119		SPMX050204**
ZSD03-170-XP20-SP05-02	*	●	17.0	20	25	54	70	50	120		SPMX050204**
ZSD03-175-XP20-SP05-02	*	●	17.5	20	25	56	72	50	122		SPMX050204**
ZSD03-180-XP25-SP06-02	*	●	18.0	25	32	57	75	56	131		SPMX060204**
ZSD03-185-XP25-SP06-02	*	●	18.5	25	32	59	77	56	133		SPMX060204**
ZSD03-190-XP25-SP06-02	*	●	19.0	25	32	60	78	56	134		SPMX060204**
ZSD03-195-XP25-SP06-02	*	●	19.5	25	32	62	80	56	136		SPMX060204**
ZSD03-200-XP25-SP06-02	*	●	20.0	25	32	63	81	56	137		SPMX060204**
ZSD03-205-XP25-SP06-02	*	●	20.5	25	32	65	83	56	139		SPMX060204**
ZSD03-210-XP25-SP06-02	*	●	21.0	25	32	66	84	56	140		SPMX060204**
ZSD03-215-XP25-SP06-02	*	●	21.5	25	32	68	86	56	142		SPMX060204**
ZSD03-220-XP25-SP06-02	*	●	22.0	25	32	69	87	56	143		SPMX060204**
ZSD03-225-XP25-SP07-02	*	●	22.5	25	32	71	89	56	145		SPMX07T308**
ZSD03-230-XP25-SP07-02	*	●	23.0	25	32	72	91	56	147		SPMX07T308**
ZSD03-235-XP25-SP07-02	*	●	23.5	25	32	74	93	56	149		SPMX07T308**
ZSD03-240-XP25-SP07-02	*	●	24.0	25	32	75	94	56	150		SPMX07T308**
ZSD03-245-XP25-SP07-02	*	●	24.5	25	32	77	96	56	152		SPMX07T308**
ZSD03-250-XP25-SP07-02	*	●	25.0	25	32	78	97	56	153		SPMX07T308**
ZSD03-255-XP25-SP07-02	*	●	25.5	25	32	80	99	56	155		SPMX07T308**
ZSD03-260-XP25-SP07-02	*	●	26.0	25	32	81	100	56	156		SPMX07T308**
ZSD03-265-XP25-SP07-02	*	●	26.5	25	32	83	102	56	158		SPMX07T308**
ZSD03-270-XP25-SP07-02	*	●	27.0	25	32	84	104	56	160		SPMX07T308**
ZSD03-275-XP25-SP07-02	*	●	27.5	25	32	86	106	56	162		SPMX07T308**
ZSD03-280-XP32-SP09-02	*	●	28.0	32	37	87	109	60	169		SPMX090408**



● Ex stock ○ On demand

* With internal cooling

Article	*	Stock	Dimensions [mm]							kg	Inserts 
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD03-290-XP32-SP09-02	*	•	29.0	32	37	90	112	60	172		SPMX090408**
ZSD03-300-XP32-SP09-02	*	•	30.0	32	37	93	115	60	175		SPMX090408**
ZSD03-310-XP32-SP09-02	*	•	31.0	32	37	96	118	60	178		SPMX090408**
ZSD03-320-XP32-SP09-02	*	•	32.0	32	37	99	121	60	181		SPMX090408**
ZSD03-330-XP32-SP09-02	*	•	33.0	32	37	102	124	60	184		SPMX090408**
ZSD03-340-XP40-SP11-02	*	•	34.0	40	47	105	130	70	200		SPMX110408**
ZSD03-350-XP40-SP11-02	*	•	35.0	40	47	108	133	70	203		SPMX110408**
ZSD03-360-XP40-SP11-02	*	•	36.0	40	47	111	136	70	206		SPMX110408**
ZSD03-370-XP40-SP11-02	*	•	37.0	40	47	114	139	70	209		SPMX110408**
ZSD03-380-XP40-SP11-02	*	•	38.0	40	47	117	142	70	212		SPMX110408**
ZSD03-390-XP40-SP11-02	*	•	39.0	40	47	120	145	70	215		SPMX110408**
ZSD03-400-XP40-SP11-02	*	•	40.0	40	47	123	148	70	218		SPMX110408**
ZSD03-410-XP40-SP11-02	*	•	41.0	40	47	126	151	70	221		SPMX110408**
ZSD03-420-XP40-SP14-02	*	•	42.0	40	52	129	161	70	231		SPMX140512**
ZSD03-430-XP40-SP14-02	*	•	43.0	40	52	132	164	70	234		SPMX140512**
ZSD03-440-XP40-SP14-02	*	•	44.0	40	52	135	167	70	237		SPMX140512**
ZSD03-450-XP40-SP14-02	*	•	45.0	40	52	138	170	70	240		SPMX140512**
ZSD03-460-XP40-SP14-02	*	•	46.0	40	52	141	173	70	243		SPMX140512**
ZSD03-470-XP40-SP14-02	*	•	47.0	40	52	144	176	70	245		SPMX140512**
ZSD03-480-XP40-SP14-02	*	•	48.0	40	52	147	179	70	249		SPMX140512**
ZSD03-490-XP40-SP14-02	*	•	49.0	40	52	150	182	70	252		SPMX140512**
ZSD03-500-XP40-SP14-02	*	•	50.0	40	52	153	185	70	255		SPMX140512**
ZSD03-510-XP50-SP14-02	*	•	51,0	50	57	156	188	80	268		SPMX110408**
ZSD03-520-XP50-SP14-02	*	•	52,0	50	57	159	191	80	271		SPMX140512**
ZSD03-530-XP50-SP14-02	*	•	53,0	50	57	162	194	80	274		SPMX140512**
ZSD03-540-XP50-SP09-04	*	•	54,0	50	57	165	197	80	277		SPMX090408**
ZSD03-550-XP50-SP09-04	*	•	55,0	50	57	168	200	80	280		SPMX090408**
ZSD03-560-XP50-SP09-04	*	•	56,0	50	57	171	203	80	283		SPMX090408**
ZSD03-570-XP50-SP09-04	*	•	57,0	50	57	174	206	80	286		SPMX090408**
ZSD03-580-XP50-SP09-04	*	•	58,0	50	57	177	209	80	289		SPMX090408**
ZSD03-590-XP50-SP09-04	*	•	59,0	50	57	180	212	80	292		SPMX090408**
ZSD03-600-XP50-SP09-04	*	•	60,0	50	57	183	215	80	295		SPMX090408**
ZSD03-610-XP50-SP09-04	*	•	61,0	50	57	186	218	80	298		SPMX090408**
ZSD03-620-XP50-SP09-04	*	•	62,0	50	57	189	221	80	301		SPMX090408**
ZSD03-630-XP50-SP09-04	*	•	63,0	50	57	192	224	80	304		SPMX090408**

• Ex stock ◦ On demand

* With internal cooling

Spare parts								
	Insert	SPMX040204**	SPMX050204**	SPMX060204**	SPMX07T308**	SPMX090408**	SPMX110408**	SPMX140512**
	Screw	I60M2x4.3	I60M2x4.3	I60M2.2x5.5	I60M2.5x6.5	I60M3.5x8	I60M4x10	I60M5x13
	Wrench	WT06IP	WT06IP	WT07IP	WT07IP	WT15IP	WT15IP	WT20IP

A

Turning

B

Milling

C

Drilling

D

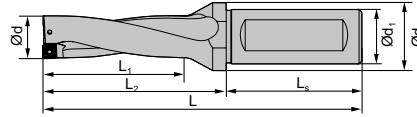
Technical Information

E

Index

Indexable drills series


ZSD04



Article	*	Stock	Dimensions [mm]							kg	Inserts
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD04-120-XP20-SP04-02	*	●	12.0	20	25	51	67	50	117		SPMX040203**
ZSD04-125-XP20-SP04-02	*	●	12.5	20	25	53	69	50	119		SPMX040203**
ZSD04-130-XP20-SP04-02	*	●	13.0	20	25	55	71	50	121		SPMX040203**
ZSD04-135-XP20-SP04-02	*	●	13.5	20	25	57	73	50	123		SPMX040203**
ZSD04-140-XP20-SP04-02	*	●	14.0	20	25	59	75	50	125		SPMX040203**
ZSD04-145-XP20-SP04-02	*	●	14.5	20	25	61	77	50	127		SPMX040203**
ZSD04-150-XP20-SP05-02	*	●	15.0	20	25	63	79	50	129		SPMX050204**
ZSD04-155-XP20-SP05-02	*	●	15.5	20	25	65	81	50	131		SPMX050204**
ZSD04-160-XP20-SP05-02	*	●	16.0	20	25	67	83	50	133		SPMX050204**
ZSD04-165-XP20-SP05-02	*	●	16.5	20	25	69	85	50	135		SPMX050204**
ZSD04-170-XP20-SP05-02	*	●	17.0	20	25	71	87	50	137		SPMX050204**
ZSD04-175-XP20-SP05-02	*	●	17.5	20	25	73	89	50	139		SPMX050204**
ZSD04-180-XP25-SP06-02	*	●	18.0	25	32	75	93	56	149		SPMX060204**
ZSD04-185-XP25-SP06-02	*	●	18.5	25	32	77	95	56	151		SPMX060204**
ZSD04-190-XP25-SP06-02	*	●	19.0	25	32	79	97	56	153		SPMX060204**
ZSD04-195-XP25-SP06-02	*	●	19.5	25	32	81	99	56	155		SPMX060204**
ZSD04-200-XP25-SP06-02	*	●	20.0	25	32	83	101	56	157		SPMX060204**
ZSD04-205-XP25-SP06-02	*	●	20.5	25	32	85	103	56	159		SPMX060204**
ZSD04-210-XP25-SP06-02	*	●	21.0	25	32	87	105	56	161		SPMX060204**
ZSD04-215-XP25-SP06-02	*	●	21.5	25	32	89	107	56	163		SPMX060204**
ZSD04-220-XP25-SP06-02	*	●	22.0	25	32	91	109	56	165		SPMX060204**
ZSD04-225-XP25-SP07-02	*	●	22.5	25	32	93	111	56	167		SPMX07T308**
ZSD04-230-XP25-SP07-02	*	●	23.0	25	32	95	114	56	170		SPMX07T308**
ZSD04-235-XP25-SP07-02	*	●	23.5	25	32	97	116	56	172		SPMX07T308**
ZSD04-240-XP25-SP07-02	*	●	24.0	25	32	99	118	56	174		SPMX07T308**
ZSD04-245-XP25-SP07-02	*	●	24.5	25	32	101	120	56	176		SPMX07T308**
ZSD04-250-XP25-SP07-02	*	●	25.0	25	32	103	122	56	178		SPMX07T308**
ZSD04-255-XP25-SP07-02	*	●	25.5	25	32	105	125	56	181		SPMX07T308**
ZSD04-260-XP25-SP07-02	*	●	26.0	25	32	107	126	56	182		SPMX07T308**
ZSD04-265-XP25-SP07-02	*	●	26.5	25	32	109	128	56	184		SPMX07T308**
ZSD04-270-XP25-SP07-02	*	●	27.0	25	32	111	131	56	187		SPMX07T308**
ZSD04-275-XP25-SP07-02	*	●	27.5	25	32	113	134	56	190		SPMX07T308**
ZSD04-280-XP32-SP09-02	*	●	28.0	32	37	115	139	60	199		SPMX090408**



● Ex stock ○ On demand

* With internal cooling

Article	*	Stock	Dimensions [mm]							kg	Inserts 
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD04-290-XP32-SP09-02	*	•	29.0	32	37	119	143	60	203		SPMX090408**
ZSD04-300-XP32-SP09-02	*	•	30.0	32	37	123	147	60	207		SPMX090408**
ZSD04-305-XP32-SP09-02	*	•	30.5	32	37	125	149	60	209		SPMX090408**
ZSD04-310-XP32-SP09-02	*	•	31.0	32	37	127	151	60	211		SPMX090408**
ZSD04-320-XP32-SP09-02	*	•	32.0	32	37	131	155	60	215		SPMX090408**
ZSD04-330-XP32-SP09-02	*	•	33.0	32	37	135	159	60	219		SPMX090408**
ZSD04-340-XP40-SP11-02	*	•	34.0	40	47	139	164	70	234		SPMX110408**
ZSD04-350-XP40-SP11-02	*	•	35.0	40	47	143	168	70	238		SPMX110408**
ZSD04-360-XP40-SP11-02	*	•	36.0	40	47	147	172	70	242		SPMX110408**
ZSD04-370-XP40-SP11-02	*	•	37.0	40	47	151	176	70	246		SPMX110408**
ZSD04-380-XP40-SP11-02	*	•	38.0	40	47	155	180	70	250		SPMX110408**
ZSD04-390-XP40-SP11-02	*	•	39.0	40	47	159	184	70	254		SPMX110408**
ZSD04-400-XP40-SP11-02	*	•	40.0	40	47	163	188	70	258		SPMX110408**
ZSD04-405-XP40-SP11-02	*	•	40.5	40	47	165	190	70	260		SPMX110408**
ZSD04-410-XP40-SP11-02	*	•	41.0	40	47	167	192	70	262		SPMX110408**
ZSD04-420-XP40-SP14-02	*	•	42.0	40	52	171	203	70	273		SPMX140512**
ZSD04-430-XP40-SP14-02	*	•	43.0	40	52	175	207	70	277		SPMX140512**
ZSD04-440-XP40-SP14-02	*	•	44.0	40	52	179	211	70	281		SPMX140512**
ZSD04-450-XP40-SP14-02	*	•	45.0	40	52	183	215	70	285		SPMX140512**
ZSD04-460-XP40-SP14-02	*	•	46.0	40	52	187	219	70	289		SPMX140512**
ZSD04-470-XP40-SP14-02	*	•	47.0	40	52	191	223	70	293		SPMX140512**
ZSD04-480-XP40-SP14-02	*	•	48.0	40	52	195	227	70	297		SPMX140512**
ZSD04-490-XP40-SP14-02	*	•	49.0	40	52	199	231	70	301		SPMX140512**
ZSD04-500-XP40-SP14-02	*	•	50.0	40	52	203	235	70	305		SPMX140512**
ZSD04-510-XP50-SP14-02	*	○	51,0	50	57	207	239	80	319		SPMX110408**
ZSD04-520-XP50-SP14-02	*	○	52,0	50	57	211	243	80	323		SPMX140512**
ZSD04-530-XP50-SP14-02	*	○	53,0	50	57	215	247	80	327		SPMX140512**
ZSD04-540-XP50-SP09-04	*	○	54,0	50	57	219	251	80	331		SPMX090408**
ZSD04-550-XP50-SP09-04	*	○	55,0	50	57	223	255	80	335		SPMX090408**
ZSD04-560-XP50-SP09-04	*	○	56,0	50	57	227	259	80	339		SPMX090408**
ZSD04-570-XP50-SP09-04	*	○	57,0	50	57	231	263	80	343		SPMX090408**
ZSD04-580-XP50-SP09-04	*	○	58,0	50	57	235	267	80	347		SPMX090408**
ZSD04-590-XP50-SP09-04	*	○	59,0	50	57	239	271	80	351		SPMX090408**
ZSD04-600-XP50-SP09-04	*	○	60,0	50	57	243	275	80	355		SPMX090408**
ZSD04-610-XP50-SP09-04	*	○	61,0	50	57	247	279	80	359		SPMX090408**
ZSD04-620-XP50-SP09-04	*	○	62,0	50	57	251	283	80	363		SPMX090408**
ZSD04-630-XP50-SP09-04	*	○	63,0	50	57	255	287	80	367		SPMX090408**

• Ex stock ○ On demand

* With internal cooling

Spare parts								
	Insert	SPMX040204**	SPMX050204**	SPMX060204**	SPMX07T308**	SPMX090408**	SPMX110408**	SPMX140512**
	Screw	I60M2x4.3	I60M2x4.3	I60M2.2x5.5	I60M2.5x6.5	I60M3.5x8	I60M4x10	I60M5x13
	Wrench	WT06IP	WT06IP	WT07IP	WT07IP	WT15IP	WT15IP	WT20IP

A
Turning

B
Milling

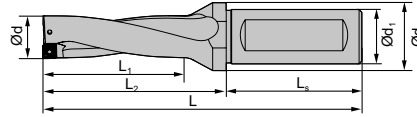
C
Drilling

D
Technical Information

E
Index

Indexable drills series


ZSD05



Article	*	Stock	Dimensions [mm]							kg	Inserts
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD05-120-XP20-SP04-02	*	●	12.0	20	25	63	79	50	129		SPMX040203**
ZSD05-125-XP20-SP04-02	*	●	12.5	20	25	66	82	50	132		SPMX040203**
ZSD05-130-XP20-SP04-02	*	●	13.0	20	25	68	84	50	134		SPMX040203**
ZSD05-135-XP20-SP04-02	*	●	13.5	20	25	71	87	50	137		SPMX040203**
ZSD05-140-XP20-SP04-02	*	●	14.0	20	25	73	89	50	139		SPMX040203**
ZSD05-145-XP20-SP04-02	*	●	14.5	20	25	76	91	50	141		SPMX040203**
ZSD05-150-XP20-SP05-02	*	●	15.0	20	25	78	94	50	144		SPMX050204**
ZSD05-155-XP20-SP05-02	*	●	15.5	20	25	81	97	50	147		SPMX050204**
ZSD05-160-XP20-SP05-02	*	●	16.0	20	25	83	99	50	149		SPMX050204**
ZSD05-165-XP20-SP05-02	*	●	16.5	20	25	86	102	50	152		SPMX050204**
ZSD05-170-XP20-SP05-02	*	●	17.0	20	25	88	104	50	154		SPMX050204**
ZSD05-175-XP20-SP05-02	*	●	17.5	20	25	91	107	50	157		SPMX050204**
ZSD05-180-XP25-SP06-02	*	●	18.0	25	32	93	112	56	167		SPMX060204**
ZSD05-185-XP25-SP06-02	*	●	18.5	25	32	96	114	56	170		SPMX060204**
ZSD05-190-XP25-SP06-02	*	●	19.0	25	32	98	116	56	172		SPMX060204**
ZSD05-195-XP25-SP06-02	*	●	19.5	25	32	101	119	56	175		SPMX060204**
ZSD05-200-XP25-SP06-02	*	●	20.0	25	32	103	121	56	177		SPMX060204**
ZSD05-205-XP25-SP06-02	*	●	20.5	25	32	106	124	56	180		SPMX060204**
ZSD05-210-XP25-SP06-02	*	●	21.0	25	32	108	126	56	182		SPMX060204**
ZSD05-215-XP25-SP06-02	*	●	21.5	25	32	111	129	56	185		SPMX060204**
ZSD05-220-XP25-SP06-02	*	●	22.0	25	32	113	131	56	187		SPMX060204**
ZSD05-225-XP25-SP07-02	*	●	22.5	25	32	116	134	56	190		SPMX07T308**
ZSD05-230-XP25-SP07-02	*	●	23.0	25	32	118	138	56	194		SPMX07T308**
ZSD05-235-XP25-SP07-02	*	●	23.5	25	32	121	141	56	197		SPMX07T308**
ZSD05-240-XP25-SP07-02	*	●	24.0	25	32	123	143	56	199		SPMX07T308**
ZSD05-245-XP25-SP07-02	*	●	24.5	25	32	126	146	56	202		SPMX07T308**
ZSD05-250-XP25-SP07-02	*	●	25.0	25	32	128	148	56	204		SPMX07T308**
ZSD05-255-XP25-SP07-02	*	●	25.5	25	32	131	151	56	207		SPMX07T308**
ZSD05-260-XP25-SP07-02	*	●	26.0	25	32	133	153	56	209		SPMX07T308**
ZSD05-265-XP25-SP07-02	*	●	26.5	25	32	136	156	56	212		SPMX07T308**
ZSD05-270-XP25-SP07-02	*	●	27.0	25	32	138	158	56	214		SPMX07T308**
ZSD05-275-XP25-SP07-02	*	●	27.5	25	32	141	161	56	217		SPMX07T308**
ZSD05-280-XP32-SP09-02	*	●	28.0	32	37	143	163	60	223		SPMX090408**



● Ex stock ○ On demand

* With internal cooling

Article	*	Stock	Dimensions [mm]							kg	Inserts 
			ØD	ØD1	ØD2	L1	L2	LS	L		
ZSD05-290-XP32-SP09-02	*	•	29.0	32	37	148	168	60	228		SPMX090408**
ZSD05-300-XP32-SP09-02	*	•	30.0	32	37	153	173	60	233		SPMX090408**
ZSD05-310-XP32-SP09-02	*	•	31.0	32	37	158	178	60	238		SPMX090408**
ZSD05-320-XP32-SP09-02	*	•	32.0	32	37	163	183	60	243		SPMX090408**
ZSD05-330-XP32-SP09-02	*	•	33.0	32	37	168	189	60	249		SPMX090408**
ZSD05-340-XP40-SP11-02	*	•	34.0	40	47	173	198	70	268		SPMX110408**
ZSD05-350-XP40-SP11-02	*	•	35.0	40	47	178	203	70	273		SPMX110408**
ZSD05-360-XP40-SP11-02	*	•	36.0	40	47	183	208	70	278		SPMX110408**
ZSD05-370-XP40-SP11-02	*	•	37.0	40	47	188	213	70	283		SPMX110408**
ZSD05-380-XP40-SP11-02	*	•	38.0	40	47	193	218	70	288		SPMX110408**
ZSD05-390-XP40-SP11-02	*	•	39.0	40	47	198	223	70	293		SPMX110408**
ZSD05-400-XP40-SP11-02	*	•	40.0	40	47	203	228	70	298		SPMX110408**
ZSD05-410-XP40-SP11-02	*	•	41.0	40	47	208	233	70	303		SPMX110408**
ZSD05-420-XP40-SP14-02	*	•	42.0	40	52	213	245	70	315		SPMX140512**
ZSD05-430-XP40-SP14-02	*	•	43.0	40	52	218	250	70	320		SPMX140512**
ZSD05-440-XP40-SP14-02	*	•	44.0	40	52	223	255	70	325		SPMX140512**
ZSD05-450-XP40-SP14-02	*	•	45.0	40	52	228	260	70	330		SPMX140512**
ZSD05-460-XP40-SP14-02	*	•	46.0	40	52	233	265	70	335		SPMX140512**
ZSD05-470-XP40-SP14-02	*	•	47.0	40	52	238	270	70	340		SPMX140512**
ZSD05-480-XP40-SP14-02	*	•	48.0	40	52	243	275	70	345		SPMX140512**
ZSD05-490-XP40-SP14-02	*	•	49.0	40	52	248	280	70	350		SPMX140512**
ZSD05-500-XP40-SP14-02	*	•	50.0	40	52	253	285	70	355		SPMX140512**
ZSD05-510-XP50-SP14-02	*	○	51,0	50	57	258	290	80	370		SPMX110408**
ZSD05-520-XP50-SP14-02	*	○	52,0	50	57	263	295	80	375		SPMX140512**
ZSD05-530-XP50-SP14-02	*	○	53,0	50	57	268	300	80	380		SPMX140512**
ZSD05-540-XP50-SP09-04	*	○	54,0	50	57	273	305	80	385		SPMX090408**
ZSD05-550-XP50-SP09-04	*	○	55,0	50	57	278	310	80	390		SPMX090408**
ZSD05-560-XP50-SP09-04	*	○	56,0	50	57	283	315	80	395		SPMX090408**
ZSD05-570-XP50-SP09-04	*	○	57,0	50	57	288	320	80	400		SPMX090408**
ZSD05-580-XP50-SP09-04	*	○	58,0	50	57	293	325	80	405		SPMX090408**
ZSD05-590-XP50-SP09-04	*	○	59,0	50	57	298	330	80	410		SPMX090408**
ZSD05-600-XP50-SP09-04	*	○	60,0	50	57	303	335	80	415		SPMX090408**
ZSD05-610-XP50-SP09-04	*	○	61,0	50	57	308	340	80	420		SPMX090408**
ZSD05-620-XP50-SP09-04	*	○	62,0	50	57	313	345	80	425		SPMX090408**
ZSD05-630-XP50-SP09-04	*	○	63,0	50	57	318	350	80	430		SPMX090408**

• Ex stock ○ On demand

* With internal cooling

Spare parts								
	Insert	SPMX040204**	SPMX050204**	SPMX060204**	SPMX07T308**	SPMX090408**	SPMX110408**	SPMX140512**
	Screw	I60M2x4.3	I60M2x4.3	I60M2.2x5.5	I60M2.5x6.5	I60M3.5x8	I60M4x10	I60M5x13
	Wrench	WT06IP	WT06IP	WT07IP	WT07IP	WT15IP	WT15IP	WT20IP

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

Index

A

Turning

B

Milling

C

Drilling




D

Technical Information

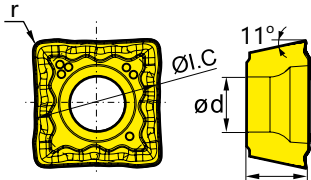
















E

Index

SPMX	L	I.C	S	d
04 02	4	4	2,38	2,2
05 02	5	5	2,38	2,2
06 02	6	6	2,38	2,5
07 T3	7,94	7,94	3,97	2,8
09 04	9,8	9,8	4,30	4,1
11 04	11,5	11,5	4,76	4,4
14 05	14,3	14,3	5,20	5,5

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Drilling inserts

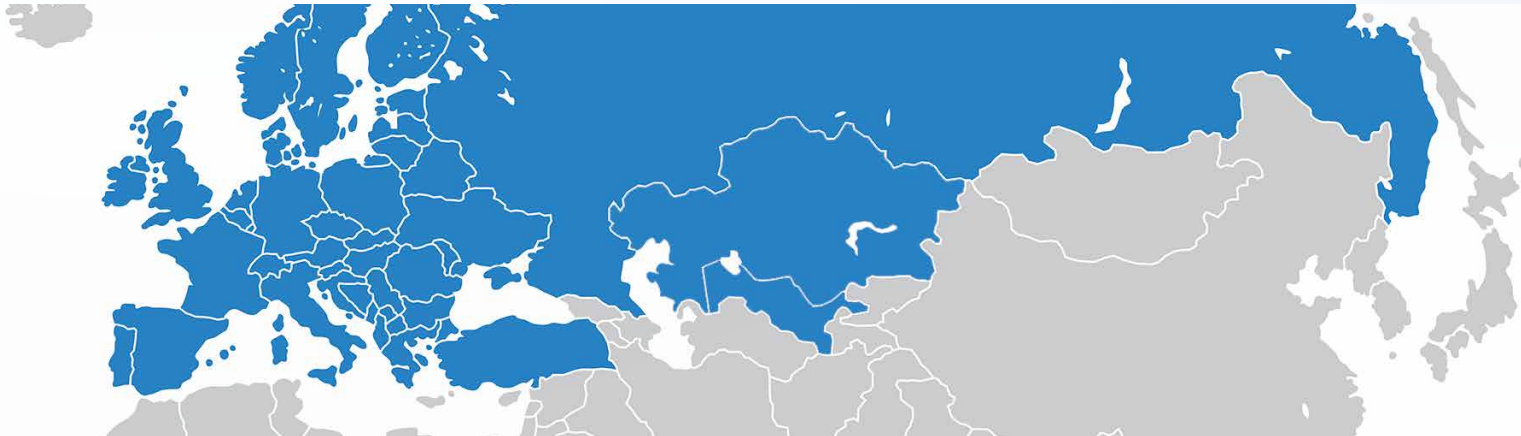
SP** drilling insert			HC ¹ (CVD)	HC ¹ (PVD)	HW
	P			   	
	M			   	
	K				
	N				
	S			  	
	H				
ISO	r	YB6338		YBG202 YBG205 YBG212 YB9320 YBS203	
	SPMX040203-XM	0,3	●	●	
	SPMX050204-XM	0,4	●	○ ●	
	SPMX060204-XM	0,4	●	●	
	SPMX07T308-XM	0,8	●	○ ●	
	SPMX090408-XM	0,8	●	●	
	SPMX110408-XM	0,8	●	●	
	SPMX140512-XM	1,2	●	●	
	SPMX040203-EM	0,3		○ ○	
	SPMX050204-EM	0,4		○ ○	
	SPMX060204-EM	0,4		○ ○	
	SPMX07T308-EM	0,8		○ ○	
	SPMX090408-EM	0,8		○ ○	
	SPMX110408-EM	0,8		○ ○	
	SPMX140512-EM	1,2		○ ○	
	SPMX040203-LM	0,3		○	
	SPMX050204-LM	0,4		○	
	SPMX060204-LM	0,4		○	
	SPMX07T308-LM	0,8		○	
	SPMX090408-LM	0,8		○	
	SPMX110408-LM	0,8		○	
	SPMX140512-LM	1,2		○	

● Ex stock ○ On demand

HC¹ Coated carbide
HW Uncoated carbide



Scan for PDF



Europe head office

ZCC Cutting Tools Europe GmbH

www.zccct-europe.com

Wanheimer Str. 57, 40472 Düsseldorf, Germany

Tel.: +49 (0) 211-989240-0

Fax: +49 (0) 211-989240-111

E-Mail: info@zccct-europe.com

France branch office

ZCC Cutting Tools Europe GmbH Succursale Française

www.zccct-europe.com

14, Allée Charles Pathé, 18000 Bourges, France

Tel.: +33 (0) 2 45 41 01 40

Fax: +33 (0) 800 74 27 27

E-Mail: ventes@zccct-europe.com

UK branch office

ZCC Cutting Tools Europe GmbH UK Division

www.zccct-europe.com

4200 Waterside Centre, Solihull Parkway

Birmingham Business Park

Birmingham, West Midlands, B37 7YN, UK

Tel.: +44 (0) 121 8095469

Fax: +49 (0) 211-989240-111

E-Mail: infouk@zccct-europe.com

© Copyright by ZCC Cutting Tools Europe GmbH
All rights reserved.

All rights reserved. All descriptions and pictures are protected by copyright. Usage, modification and reproduction, completely or partially, without written permission are prohibited. Subject to technical changes and changes of the delivery program. Mistakes and printing errors are reserved.