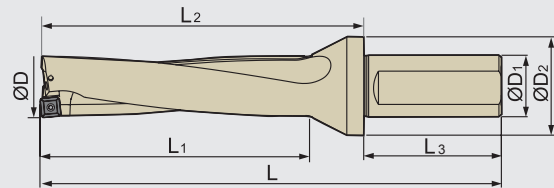


### ZTD03

3D

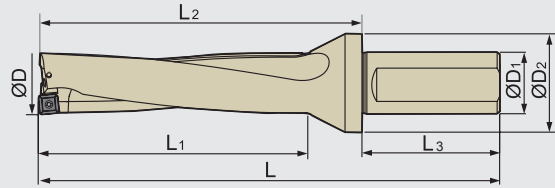


Type Typ	Stock Lager	Dimension Abmessung (mm)							Insert WSP	Screw Schraube	Wrench Schlüssel
		ØD	ØD1	ØD2	L3	L2	L1	L			
ZTD03-170-XP25-SP06-02	●	17	25	32	56	79	56	135	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD03-180-XP25-SP06-02	●	18	25	32	56	82	59	138	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD03-190-XP25-SP06-02	●	19	25	32	56	84	62	140	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD03-200-XP25-SP06-02	●	20	25	32	56	87	65	143	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD03-210-XP25-SP06-02	●	21	25	32	56	90	68	146	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD03-220-XP25-SP06-02	●	22	25	32	56	93	71	149	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD03-230-XP25-SP07-02	●	23	25	40	56	96	74	153	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-240-XP25-SP07-02	●	24	25	40	56	102	77	159	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-250-XP25-SP07-02	●	25	25	40	56	102	80	159	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-260-XP25-SP07-02	●	26	25	40	56	105	83	162	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-270-XP25-SP07-02	●	27	25	40	56	108	86	165	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-280-XP25-SP07-02	●	28	25	40	56	111	89	168	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-290-XP32-SP07-02	●	29	32	45	60	117	92	178	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD03-300-XP32-SP09-02	●	30	32	45	60	120	95	181	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-310-XP32-SP09-02	●	31	32	45	60	123	98	184	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-320-XP32-SP09-02	●	32	32	45	60	126	101	187	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-330-XP32-SP09-02	●	33	32	45	60	129	104	190	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-340-XP32-SP09-02	●	34	32	45	60	132	107	193	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-350-XP32-SP09-02	●	35	32	45	60	135	110	196	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-360-XP32-SP09-02	●	36	32	45	60	138	113	199	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD03-370-XP40-SP11-02	●	37	40	55	70	147	117	217	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-380-XP40-SP11-02	●	38	40	55	70	150	119	220	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-390-XP40-SP11-02	●	39	40	55	70	153	122	223	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-400-XP40-SP11-02	●	40	40	55	70	160	125	231	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-410-XP40-SP11-02	●	41	40	55	70	158	128	229	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-420-XP40-SP11-02	●	42	40	55	70	161	131	232	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-430-XP40-SP11-02	●	43	40	55	70	169	134	240	SPGT110408-PM	I60M4×10	WT15IP
ZTD03-440-XP40-SP14-02	●	44	40	60	70	178	138	248	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-450-XP40-SP14-02	●	45	40	60	70	181	141	251	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-460-XP40-SP14-02	●	46	40	60	70	184	144	254	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-470-XP40-SP14-02	●	47	40	60	70	187	147	257	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-480-XP40-SP14-02	●	48	40	60	70	189	149	260	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-490-XP40-SP14-02	●	49	40	60	70	192	152	263	SPGT140512-PM	I60M5×13	WT20IP
ZTD03-500-XP40-SP14-02	●	50	40	60	70	195	155	266	SPGT140512-PM	I60M5×13	WT20IP



### ZTD04

4D



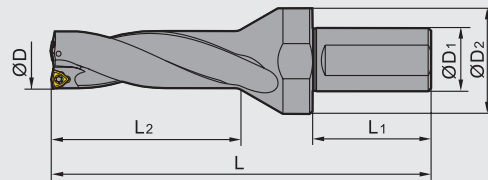
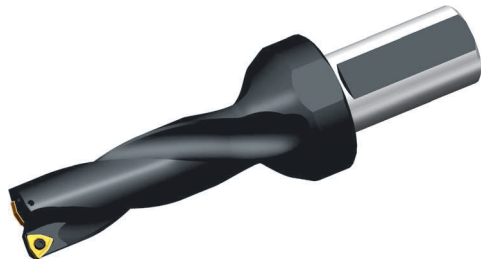
Type Typ	Dimension Abmessung (mm)							Insert WSP	Screw Schraube	Wrench Schlüssel
	ØD	ØD1	ØD2	L3	L2	L1	L			
ZTD04-170-XP25-SP06-02	17	25	32	56	95	73	152	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD04-180-XP25-SP06-02	18	25	32	56	99	77	156	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD04-190-XP25-SP06-02	19	25	32	56	103	81	160	SPGT060204-PM	I60M2.2×4.5	WT07IP
ZTD04-200-XP25-SP06-02	20	25	32	56	107	85	163	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD04-210-XP25-SP06-02	21	25	32	56	111	89	167	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD04-220-XP25-SP06-02	22	25	32	56	115	93	171	SPGT060204-PM	I60M2.2×5.5	WT07IP
ZTD04-230-XP25-SP07-02	23	25	40	56	119	97	176	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-240-XP25-SP07-02	24	25	40	56	123	101	180	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-250-XP25-SP07-02	25	25	40	56	127	105	184	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-260-XP25-SP07-02	26	25	40	56	131	109	188	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-270-XP25-SP07-02	27	25	40	56	135	113	192	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-280-XP25-SP07-02	28	25	40	56	139	117	196	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-290-XP32-SP07-02	29	32	45	60	146	121	207	SPGT07T308-PM	I60M2.5×6.5	WT07IP
ZTD04-300-XP32-SP09-02	30	32	45	60	150	125	211	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-310-XP32-SP09-02	31	32	45	60	154	129	215	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-320-XP32-SP09-02	32	32	45	60	158	133	219	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-330-XP32-SP09-02	33	32	45	60	162	137	223	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-340-XP32-SP09-02	34	32	45	60	166	141	227	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-350-XP32-SP09-02	35	32	45	60	170	145	231	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-360-XP32-SP09-02	36	32	45	60	174	149	235	SPGT090408-PM	I60M3.5×8	WT15IP
ZTD04-370-XP40-SP11-02	37	40	55	70	184	154	254	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-380-XP40-SP11-02	38	40	55	70	188	158	258	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-390-XP40-SP11-02	39	40	55	70	196	161	267	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-400-XP40-SP11-02	40	40	55	70	200	165	271	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-410-XP40-SP11-02	41	40	55	70	199	169	270	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-420-XP40-SP11-02	42	40	55	70	208	173	279	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-430-XP40-SP11-02	43	40	55	70	212	177	283	SPGT110408-PM	I60M4×10	WT15IP
ZTD04-440-XP40-SP14-02	44	40	60	70	222	182	292	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-450-XP40-SP14-02	45	40	60	70	226	186	296	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-460-XP40-SP14-02	46	40	60	70	230	190	300	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-470-XP40-SP14-02	47	40	60	70	234	194	304	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-480-XP40-SP14-02	48	40	60	70	237	198	308	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-490-XP40-SP14-02	49	40	60	70	241	202	312	SPGT140512-PM	I60M5×13	WT20IP
ZTD04-500-XP40-SP14-02	50	40	60	70	245	206	316	SPGT140512-PM	I60M5×13	WT20IP



# Drilling · Bohren

Indexable drill · Wendeschneidplattenbohrer

## ZD03

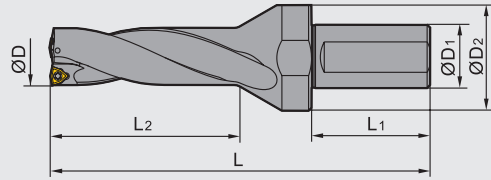
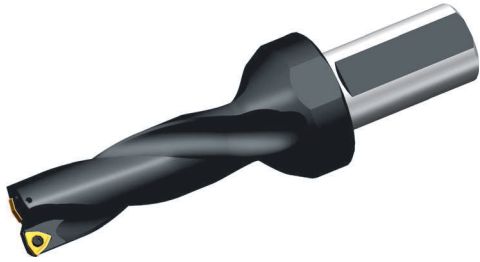


Type · Typ	Stock Lager	Basic dimension(mm) · Abmessungen						Inserts WSP	Screw Schraube	Wrench Schlüssel
		D	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L			
ZD03-160-XP25-WC03-02	●	16	25	32	56	52	129	WCMX030208	I60M2.5×6.5	WT07IP
ZD03-170-XP25-WC03-02	●	17	25	32	56	55	133	WCMX030208	I60M2.5×6.5	WT07IP
ZD03-180-XP25-WC03-02	●	18	25	32	56	58	137	WCMX030208	I60M2.5×6.5	WT07IP
ZD03-190-XP25-WC03-02	●	19	25	32	56	61	140	WCMX030208	I60M2.5×6.5	WT07IP
ZD03-200-XP25-WC03-02	●	20	25	32	56	64	143	WCMX030208	I60M2.5×6.5	WT07IP
ZD03-210-XP25-WC04-02	●	21	25	45	56	67	153	WCMX040208	I60M2.5×6.5T	WT08IP
ZD03-220-XP25-WC04-02	●	22	25	45	56	70	156	WCMX040208	I60M2.5×6.5T	WT08IP
ZD03-230-XP25-WC04-02	●	23	25	45	56	73	159	WCMX040208	I60M2.5×6.5T	WT08IP
ZD03-240-XP25-WC04-02	●	24	25	45	56	76	162	WCMX040208	I60M2.5×6.5T	WT08IP
ZD03-250-XP25-WC04-02	●	25	25	45	56	79	165	WCMX040208	I60M2.5×6.5T	WT08IP
ZD03-260-XP32-WC05-02	●	26	32	55	60	83	176	WCMX050308	I60M3×7	WT09IP
ZD03-270-XP32-WC05-02	●	27	32	55	60	86	180	WCMX050308	I60M3×7	WT09IP
ZD03-280-XP32-WC05-02	●	28	32	55	60	89	184	WCMX050308	I60M3×7	WT09IP
ZD03-290-XP32-WC05-02	●	29	32	55	60	92	188	WCMX050308	I60M3×7	WT09IP
ZD03-300-XP32-WC05-02	●	30	32	55	60	95	192	WCMX050308	I60M3×7	WT09IP
ZD03-310-XP40-WC06-02	●	31	40	60	70	98	203	WCMX06T308	I60M3×7	WT09IP
ZD03-320-XP40-WC06-02	●	32	40	60	70	101	206	WCMX06T308	I60M3×7	WT09IP
ZD03-330-XP40-WC06-02	●	33	40	60	70	104	209	WCMX06T308	I60M3×7	WT09IP
ZD03-340-XP40-WC06-02	●	34	40	60	70	107	212	WCMX06T308	I60M3×7	WT09IP
ZD03-350-XP40-WC06-02	●	35	40	60	70	110	215	WCMX06T308	I60M3×7	WT09IP
ZD03-360-XP40-WC06-02	●	36	40	60	70	113	218	WCMX06T308	I60M3×7	WT09IP
ZD03-370-XP40-WC06-02	●	37	40	60	70	116	221	WCMX06T308	I60M3×7	WT09IP
ZD03-380-XP40-WC06-02	●	38	40	60	70	119	225	WCMX06T308	I60M3×7	WT09IP
ZD03-390-XP40-WC06-02	●	39	40	60	70	122	228	WCMX06T308	I60M3×7	WT09IP

● Ex Stock / ab Lager ○ On demand / auf Anfrage

● Ex Stock / ab Lager ○ On demand / auf Anfrage

### ZD03



Type · Typ	Stock Lager	Basic dimension(mm) · Abmessungen						Inserts WSP	Screw Schraube	Wrench Schlüssel
		D	D1	D2	L1	L2	L			
ZD03-400-XP40-WC06-02	●	40	40	60	70	125	231	WCMX06T308	I60M3×7	WT09IP
ZD03-410-XP40-WC06-02	●	41	40	60	70	128	234	WCMX06T308	I60M3×7	WT09IP
ZD03-420-XP40-WC08-02	●	42	40	60	70	131	239	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-430-XP40-WC08-02	●	43	40	60	70	134	242	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-440-XP40-WC08-02	●	44	40	60	70	137	245	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-450-XP40-WC08-02	●	45	40	60	70	140	248	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-460-XP40-WC08-02	●	46	40	60	70	143	251	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-470-XP40-WC08-02	●	47	40	60	70	146	253	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-480-XP40-WC08-02	●	48	40	70	70	149	255	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-490-XP40-WC08-02	●	49	40	70	70	152	257	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-500-XP40-WC08-02	●	50	40	70	70	155	259	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-510-XP40-WC08-02	●	51	40	70	70	158	261	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-520-XP40-WC08-02	●	52	40	70	70	161	263	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-530-XP40-WC08-02	●	53	40	70	70	164	265	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-540-XP40-WC08-02	●	54	40	70	70	167	267	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-550-XP40-WC08-02	●	55	40	70	70	170	269	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-560-XP40-WC08-02	●	56	40	70	70	173	271	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-570-XP40-WC08-02	●	57	40	70	70	176	273	WCMX080412	I60M3.5×10.4	WT15IP
ZD03-580-XP40-WC08-02	●	58	40	70	70	179	275	WCMX080412	I60M3.5×10.4	WT15IP

● Ex Stock / ab Lager ○ On demand / auf Anfrage

Code key C112-113  
ISO Kennzeichen

Cutting data 120  
Schnittdaten

Technical Information C114-119  
Technische Information.