

FZD Indexable Drills SERIES

L'inserto Le nuove punte VD
per forature profonde ad alto avanzamento
consentono una alta rigidità ed una qualità
di finitura elevata.

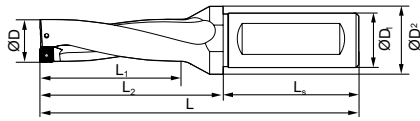
3VD / 4VD / 5VD

dal D. 12 - 63



Wiper Geometry

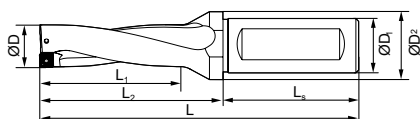
*La buona evacuazione del
truciolo grazie al design del
tagliente migliora le prestazioni
Uno speciale conformazione dell'inserto
consente un grado di finitura elevato
a forti avanzamenti*



Punta ad inserti 3D.

Indexable drills series 3D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ03-120-D20-04-02	12,0	20	25	39	55	50	105	FMMX040203
FZ03-125-D20-04-02	12,5	20	25	41	57	50	107	FMMX040203
FZ03-130-D20-04-02	13,0	20	25	42	58	50	108	FMMX040203
FZ03-135-D20-04-02	13,5	20	25	44	60	50	110	FMMX040203
FZ03-140-D20-04-02	14,0	20	25	45	61	50	111	FMMX040203
FZ03-145-D20-04-02	14,5	20	25	47	63	50	113	FMMX040203
FZ03-150-D20-05-02	15,0	20	25	48	64	50	114	FMMX050204
FZ03-155-D20-05-02	15,5	20	25	50	66	50	116	FMMX050204
FZ03-160-D20-05-02	16,0	20	25	51	67	50	117	FMMX050204
FZ03-165-D20-05-02	16,5	20	25	53	69	50	119	FMMX050204
FZ03-170-D20-05-02	17,0	20	25	54	70	50	120	FMMX050204
FZ03-175-D20-05-02	17,5	20	25	56	72	50	122	FMMX050204
FZ03-180-D25-06-02	18,0	25	32	57	75	56	131	FMMX060204
FZ03-185-D25-06-02	18,5	25	32	59	77	56	133	FMMX060204
FZ03-190-D25-06-02	19,0	25	32	60	78	56	134	FMMX060204
FZ03-195-D25-06-02	19,5	25	32	62	80	56	136	FMMX060204
FZ03-200-D25-06-02	20,0	25	32	63	81	56	137	FMMX060204
FZ03-205-D25-06-02	20,5	25	32	65	83	56	139	FMMX060204
FZ03-210-D25-06-02	21,0	25	32	66	84	56	140	FMMX060204
FZ03-215-D25-06-02	21,5	25	32	68	86	56	142	FMMX060204
FZ03-220-D25-06-02	22,0	25	32	69	87	56	143	FMMX060204
FZ03-225-D25-07-02	22,5	25	32	71	89	56	145	FMMX07T308
FZ03-230-D25-07-02	23,0	25	32	72	91	56	147	FMMX07T308
FZ03-235-D25-07-02	23,5	25	32	74	93	56	149	FMMX07T308
FZ03-240-D25-07-02	24,0	25	32	75	94	56	150	FMMX07T308
FZ03-245-D25-07-02	24,5	25	32	77	96	56	152	FMMX07T308
FZ03-250-D25-07-02	25,0	25	32	78	97	56	153	FMMX07T308
FZ03-255-D25-07-02	25,5	25	32	80	99	56	155	FMMX07T308
FZ03-265-D25-07-02	26,5	25	32	83	102	56	158	FMMX07T308
FZ03-270-D25-07-02	27,0	25	32	84	104	56	160	FMMX07T308
FZ03-275-D25-07-02	27,5	25	32	86	106	56	162	FMMX07T308
FZ03-280-D32-09-02	28,0	32	37	87	109	60	169	FMMX090408



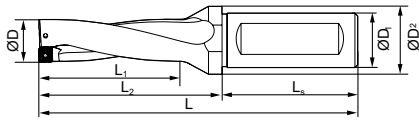
Punta ad inserti 3D.

Indexable drills series 3D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ03-300-D32-09-02	30.0	32	37	93	115	60	175	FMMX090408
FZ03-310-D32-09-02	31.0	32	37	96	118	60	178	FMMX090408
FZ03-320-D32-09-02	32.0	32	37	99	121	60	181	FMMX090408
FZ03-330-D32-09-02	33.0	32	37	102	124	60	184	FMMX090408
FZ03-340-D40-11-02	34.0	40	47	105	130	70	200	FMMX110408
FZ03-350-D40-11-02	35.0	40	47	108	133	70	203	FMMX110408
FZ03-360-D40-11-02	36.0	40	47	111	136	70	206	FMMX110408
FZ03-370-D40-11-02	37.0	40	47	114	139	70	209	FMMX110408
FZ03-380-D40-11-02	38.0	40	47	117	142	70	212	FMMX110408
FZ03-390-D40-11-02	39.0	40	47	120	145	70	215	FMMX110408
FZ03-400-D40-11-02	40.0	40	47	123	148	70	218	FMMX110408
FZ03-410-D40-11-02	41.0	40	47	126	151	70	221	FMMX110408
FZ03-420-D40-14-02	42.0	40	52	129	161	70	231	FMMX140512
FZ03-430-D40-14-02	43.0	40	52	132	164	70	234	FMMX140512
FZ03-440-D40-14-02	44.0	40	52	135	167	70	237	FMMX140512
FZ03-450-D40-14-02	45.0	40	52	138	170	70	240	FMMX140512
FZ03-460-D40-14-02	46.0	40	52	141	173	70	243	FMMX140512
FZ03-470-D40-14-02	47.0	40	52	144	176	70	245	FMMX140512
FZ03-480-D40-14-02	48.0	40	52	147	179	70	249	FMMX140512
FZ03-490-D40-14-02	49.0	40	52	150	182	70	252	FMMX140512
FZ03-500-D40-14-02	50.0	40	52	153	185	70	255	FMMX140512
FZ03-510-D50-14-02	51.0	50	57	156	188	80	268	FMMX110408
FZ03-520-D50-14-02	52.0	50	57	159	191	80	271	FMMX140512
FZ03-530-D50-14-02	53.0	50	57	162	194	80	274	FMMX140512
FZ03-540-D50-09-04	54.0	50	57	165	197	80	277	FMMX090408
FZ03-550-D50-09-04	55.0	50	57	168	200	80	280	FMMX090408
FZ03-560-D50-09-04	56.0	50	57	171	203	80	283	FMMX090408
FZ03-570-D50-09-04	57.0	50	57	174	206	80	286	FMMX090408
FZ03-580-D50-09-04	58.0	50	57	177	209	80	289	FMMX090408
FZ03-590-D50-09-04	59.0	50	57	180	212	80	292	FMMX090408
FZ03-600-D50-09-04	60.0	50	57	183	215	80	295	FMMX090408
FZ03-610-D50-09-04	61.0	50	57	186	218	80	298	FMMX090408
FZ03-620-D50-09-04	62.0	50	57	189	221	80	301	FMMX090408
FZ03-630-D50-09-04	63.0	50	57	192	224	80	304	FMMX090408

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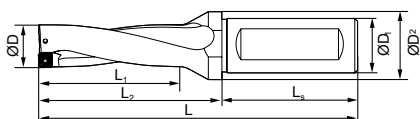


Punta ad inserti 3D.

Indexable drills series 3D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ04-125-20-04-02	12.5	20	25	53	69	50	119	FMMX040203**
FZ04-130-20-04-02	13.0	20	25	55	71	50	121	FMMX040203
FZ04-135-20-04-02	13.5	20	25	57	73	50	123	FMMX040203
FZ04-140-20-04-02	14.0	20	25	59	75	50	125	FMMX040203
FZ04-145-20-04-02	14.5	20	25	61	77	50	127	FMMX040203
FZ04-150-20-05-02	15.0	20	25	63	79	50	129	FMMX050204
FZ04-155-20-05-02	15.5	20	25	65	81	50	131	FMMX050204
FZ04-160-20-05-02	16.0	20	25	67	83	50	133	FMMX050204
FZ04-165-20-05-02	16.5	20	25	69	85	50	135	FMMX050204
FZ04-170-20-05-02	17.0	20	25	71	87	50	137	FMMX050204
FZ04-175-20-05-02	17.5	20	25	73	89	50	139	FMMX050204
FZ04-180-25-06-02	18.0	25	32	75	93	56	149	FMMX060204
FZ04-185-25-06-02	18.5	25	32	77	95	56	151	FMMX060204
FZ04-190-25-06-02	19.0	25	32	79	97	56	153	FMMX060204
FZ04-195-25-06-02	19.5	25	32	81	99	56	155	FMMX060204
FZ04-200-25-06-02	20.0	25	32	83	101	56	157	FMMX060204
FZ04-205-25-06-02	20.5	25	32	85	103	56	159	FMMX060204
FZ04-210-25-06-02	21.0	25	32	87	105	56	161	FMMX060204
FZ04-215-25-06-02	21.5	25	32	89	107	56	163	FMMX060204
FZ04-220-25-06-02	22.0	25	32	91	109	56	165	FMMX060204
FZ04-225-25-07-02	22.5	25	32	93	111	56	167	FMMX07T308
FZ04-230-25-07-02	23.0	25	32	95	114	56	170	FMMX07T308
FZ04-235-25-07-02	23.5	25	32	97	116	56	172	FMMX07T308
FZ04-240-25-07-02	24.0	25	32	99	118	56	174	FMMX07T308
FZ04-245-25-07-02	24.5	25	32	101	120	56	176	FMMX07T308
FZ04-25025-07-02	25.0	25	32	103	122	56	178	FMMX07T308
FZ04-255-25-07-02	25.5	25	32	105	125	56	181	FMMX07T308
FZ04-265-25-07-02	26.5	25	32	109	128	56	184	FMMX07T308
FZ04-270-25-07-02	27.0	25	32	111	131	56	187	FMMX07T308
FZ04-275-25-07-02	27.5	25	32	113	134	56	190	FMMX07T308
FZ04-280-32-09-02	28.0	32	37	115	139	60	199	FMMX090408
FZ04-290-32-09-02	29.0	32	37	119	143	60	203	FMMX090408
FZ04-300-32-09-02	30.0	32	37	123	147	60	207	FMMX090408
FZ04-305-32-09-02	30.5	32	37	125	149	60	209	FMMX090408





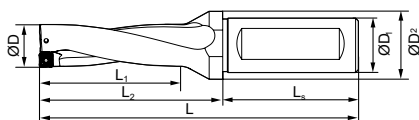
Punta ad inserti 3D.

Indexable drills series 3D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ04-310-32-09-02	31.0	32	37	127	151	60	211	FMMX090408
FZ04-320-32-09-02	32.0	32	37	131	155	60	215	FMMX090408
FZ04-330-32-09-02	33.0	32	37	135	159	60	219	FMMX090408
FZ04-340-40-11-02	34.0	40	47	139	164	70	234	FMMX110408
FZ04-350-40-11-02	35.0	40	47	143	168	70	238	FMMX110408
FZ04-360-40-11-02	36.0	40	47	147	172	70	242	FMMX110408
FZ04-370-40-11-02	37.0	40	47	151	176	70	246	FMMX110408
FZ04-380-40-11-02	38.0	40	47	155	180	70	250	FMMX110408
FZ04-390-40-11-02	39.0	40	47	159	184	70	254	FMMX110408
FZ04-400-40-11-02	40.0	40	47	163	188	70	258	FMMX110408
FZ04-405-40-11-02	40.5	40	47	165	190	70	260	FMMX110408
FZ04-410-40-11-02	41.0	40	47	167	192	70	262	FMMX110408
FZ04-420-40-14-02	42.0	40	52	171	203	70	273	FMMX140512
FZ04-430-40-14-02	43.0	40	52	175	207	70	277	FMMX140512
FZ04-440-40-14-02	44.0	40	52	179	211	70	281	FMMX140512
FZ04-450-40-14-02	45.0	40	52	183	215	70	285	FMMX140512
FZ04-460-40-14-02	46.0	40	52	187	219	70	289	FMMX140512
FZ04-470-40-14-02	47.0	40	52	191	223	70	293	FMMX140512
FZ04-480-40-14-02	48.0	40	52	195	227	70	297	FMMX140512
FZ04-490-40-14-02	49.0	40	52	199	231	70	301	FMMX140512
FZ04-500-40-14-02	50.0	40	52	203	235	70	305	FMMX140512
FZ04-510-50-14-02	51.0	50	57	207	239	80	319	FMMX110408
FZ04-520-50-14-02	52.0	50	57	211	243	80	323	FMMX140512
FZ04-530-50-14-02	53.0	50	57	215	247	80	327	FMMX140512
FZ04-540-50-09-04	54.0	50	57	219	251	80	331	FMMX090408
FZ04-550-50-09-04	55.0	50	57	223	255	80	335	FMMX090408
FZ04-560-50-09-04	56.0	50	57	227	259	80	339	FMMX090408
FZ04-570-50-09-04	57.0	50	57	231	263	80	343	FMMX090408
FZ04-580-50-09-04	58.0	50	57	235	267	80	347	FMMX090408
FZ04-590-50-09-04	59.0	50	57	239	271	80	351	FMMX090408
FZ04-600-50-09-04	60.0	50	57	243	275	80	355	FMMX090408
FZ04-610-50-09-04	61.0	50	57	247	279	80	359	FMMX090408
FZ04-620-50-09-04	62.0	50	57	251	283	80	363	FMMX090408
FZ04-630-50-09-04	63.0	50	57	255	287	80	367	FMMX090408**

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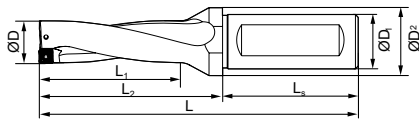
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Punta ad inserti 5D.

Indexable drills series 5D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ05-120-20-04-02	12.0	20	25	63	79	50	129	FMMX040203
FZ05-125-20-04-02	12.5	20	25	66	82	50	132	FMMX040203
FZ05-130-20-04-02	13.0	20	25	68	84	50	134	FMMX040203
FZ05-135-20-04-02	13.5	20	25	71	87	50	137	FMMX040203
FZ05-140-20-04-02	14.0	20	25	73	89	50	139	FMMX040203
FZ05-145-20-04-02	14.5	20	25	76	91	50	141	FMMX040203
FZ05-150-20-05-02	15.0	20	25	78	94	50	144	FMMX050204
FZ05-155-20-05-02	15.5	20	25	81	97	50	147	FMMX050204
FZ05-160-20-05-02	16.0	20	25	83	99	50	149	FMMX050204
FZ05-165-20-05-02	16.5	20	25	86	102	50	152	FMMX050204
FZ05-170-20-05-02	17.0	20	25	88	104	50	154	FMMX050204
FZ05-175-20-05-02	17.5	20	25	91	107	50	157	FMMX050204
FZ05-180-25-06-02	18.0	25	32	93	112	56	167	FMMX060204
FZ05-185-25-06-02	18.5	25	32	96	114	56	170	FMMX060204
FZ05-190-25-06-02	19.0	25	32	98	116	56	172	FMMX060204
FZ05-195-25-06-02	19.5	25	32	101	119	56	175	FMMX060204
FZ05-200-25-06-02	20.0	25	32	103	121	56	177	FMMX060204
FZ05-205-25-06-02	20.5	25	32	106	124	56	180	FMMX060204
FZ05-210-25-06-02	21.0	25	32	108	126	56	182	FMMX060204
FZ05-215-25-06-02	21.5	25	32	111	129	56	185	FMMX060204
FZ05-220-25-06-02	22.0	25	32	113	131	56	187	FMMX060204
FZ05-225-25-07-02	22.5	25	32	116	134	56	190	FMMX07T308
FZ05-230-25-07-02	23.0	25	32	118	138	56	194	FMMX07T308
FZ05-235-25-07-02	23.5	25	32	121	141	56	197	FMMX07T308
FZ05-240-25-07-02	24.0	25	32	123	143	56	199	FMMX07T308
FZ05-245-25-07-02	24.5	25	32	126	146	56	202	FMMX07T308
FZ05-250-25-07-02	25.0	25	32	128	148	56	204	FMMX07T308
FZ05-255-25-07-02	25.5	25	32	131	151	56	207	FMMX07T308
FZ05-265-25-07-02	26.5	25	32	136	156	56	212	FMMX07T308
FZ05-270-25-07-02	27.0	25	32	138	158	56	214	FMMX07T308
FZ05-275-25-07-02	27.5	25	32	141	161	56	217	FMMX07T308
FZ05-280-32-09-02	28.0	32	37	143	163	60	223	FMMX090408



Punta ad inserti 5D.

Indexable drills series 5D

codice	ØD	ØD1	ØD2	L1	L2	LS	L	inserto
FZ05-290-32-09-02	29,0	32	37	148	168	60	228	FMMX090408**
FZ05-300-32-09-02	30,0	32	37	153	173	60	233	FMMX090408**
FZ05-310-32-09-02	31,0	32	37	158	178	60	238	FMMX090408**
FZ05-320-32-09-02	32,0	32	37	163	183	60	243	FMMX090408**
FZ05-330-32-09-02	33,0	32	37	168	189	60	249	FMMX090408**
FZ05-340-40-11-02	34,0	40	47	173	198	70	268	FMMX110408**
FZ05-350-40-11-02	35,0	40	47	178	203	70	273	FMMX110408**
FZ05-360-40-11-02	36,0	40	47	183	208	70	278	FMMX110408**
FZ05-370-40-11-02	37,0	40	47	188	213	70	283	FMMX110408**
FZ05-380-40-11-02	38,0	40	47	193	218	70	288	FMMX110408**
FZ05-390-40-11-02	39,0	40	47	198	223	70	293	FMMX110408**
FZ05-400-40-11-02	40,0	40	47	203	228	70	298	FMMX110408**
FZ05-410-40-11-02	41,0	40	47	208	233	70	303	FMMX110408**
FZ05-420-40-14-02	42,0	40	52	213	245	70	315	FMMX140512**
FZ05-430-40-14-02	43,0	40	52	218	250	70	320	FMMX140512**
FZ05-440-40-14-02	44,0	40	52	223	255	70	325	FMMX140512**
FZ05-450-40-14-02	45,0	40	52	228	260	70	330	FMMX140512**
FZ05-460-40-14-02	46,0	40	52	233	265	70	335	FMMX140512**
FZ05-470-40-14-02	47,0	40	52	238	270	70	340	FMMX140512**
FZ05-480-40-14-02	48,0	40	52	243	275	70	345	FMMX140512**
FZ05-490-40-14-02	49,0	40	52	248	280	70	350	FMMX140512**
FZ05-500-40-14-02	50,0	40	52	253	285	70	355	FMMX140512**
FZ05-510-50-14-02	51,0	50	57	258	290	80	370	FMMX110408**
FZ05-520-50-14-02	52,0	50	57	263	295	80	375	FMMX140512**
FZ05-530-50-14-02	53,0	50	57	268	300	80	380	FMMX140512**
FZ05-540-50-09-04	54,0	50	57	273	305	80	385	FMMX090408**
FZ05-550-50-09-04	55,0	50	57	278	310	80	390	FMMX090408**
FZ05-560-50-09-04	56,0	50	57	283	315	80	395	FMMX090408**
FZ05-570-50-09-04	57,0	50	57	288	320	80	400	FMMX090408**
FZ05-580-50-09-04	58,0	50	57	293	325	80	405	FMMX090408**
FZ05-590-50-09-04	59,0	50	57	298	330	80	410	FMMX090408**
FZ05-600-50-09-04	60,0	50	57	303	335	80	415	FMMX090408**
FZ05-610-50-09-04	61,0	50	57	308	340	80	420	FMMX090408**
FZ05-620-50-09-04	62,0	50	57	313	345	80	425	FMMX090408**
FZ05-630-50-09-04	63,0	50	57	318	350	80	430	FMMX090408**

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FZD Indexable Drills SERIES

L'inserto Le nuove punte VD
per forature profonde ad alto avanzamento
consentono una alta rigidità ed una qualità
di finitura elevata.

3VD / 4VD / 5VD

dal D. 12 - 63

Hiper Spade Drill



Wiper Geometry

*La buona evacuazione del
truciolo grazie al design del
tagliente migliora le prestazioni
Uno speciale conformazione dell'inserto
consente un grado di finitura elevato
a forti avanzamenti*

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