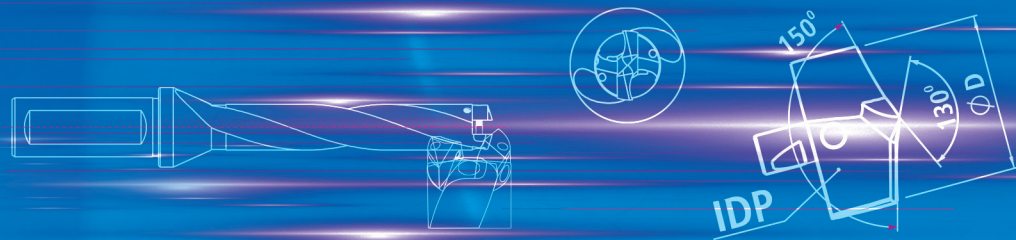


# YES DRILLS



PARAMETRI INSERTI
RICAMBI
SPEED TIGER
INSERTS
SLIM CHUCK
<b>YES DRILLS</b>
NICECUT
GE DRILLS
GROOVING
MINITOOOLS
MICROTOOLS AMS
MOULDMILL
MINIMILL
MILLING

# KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

MILLING

MINIMILL

MOULDMILL

MICROTOOLS AMS

MINITOLS

GROOVING

GE DRILLS

NICECUT

YES DRILLS

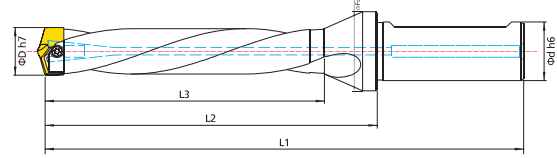
SLIM CHUCK

INSERTS

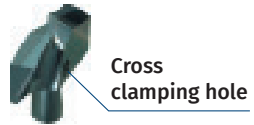
SPEED TIGER

RICAMBI

PARAMETRI INSERTI



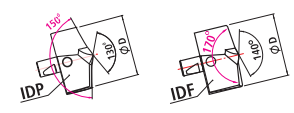
YTDI-FSL body



Cross clamping hole



KRUZ-FSL body



IDP Affilature / ricopertura specifica +30% (MIN 3 pz) \_ IDP Besondere Schlifflungen / Beschichtungen +30% (MBM 3 St.) \_ IDP Specific grindings / coatings +30% (MOQ 3 pcs)

**KRUZ-FSL/YTDI-FSL** Please make required cutting depth in the  like T, P, H, L

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench	
								STOCK	€	STOCK	€						
ø 8.0 ~ø 8.4	YTDI 080 <input type="checkbox"/> FSL KRUZ 080 <input type="checkbox"/> FSL	10,0 (HA)	T (3xD)	87	42	32	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 080 ● IDP 081 ● IDP 082 ● IDP 083 ● IDP 084	€ 51,00	CS 080-085 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	103	58	48		● 340,50	○ 387,00								
			H (7xD)	119	74	64											
ø 8.5 ~ø 8.9	YTDI 085 <input type="checkbox"/> FSL KRUZ 085 <input type="checkbox"/> FSL	10,0 (HA)	T (3xD)	89	44	34	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 085 ● IDP 086 ● IDP 087 ● IDP 088 ● IDP 089	€ 51,00	CS 080-085 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	106	61	51		● 340,50	○ 387,00								
			H (7xD)	123	78	68											
ø 9.0 ~ø 9.4	YTDI 090 <input type="checkbox"/> FSL KRUZ 090 <input type="checkbox"/> FSL	10,0 (HA)	T (3xD)	92	47	36	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 090 ● IDP 091 ● IDP 092 ● IDP 093 ● IDP 094	€ 59,50	CS 090-095 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	110	65	54		● 340,50	○ 387,00								
			H (7xD)	128	83	72											
ø 9.5 ~ø 9.9	YTDI 095 <input type="checkbox"/> FSL KRUZ 095 <input type="checkbox"/> FSL	12,0 (HA)	T (3xD)	97	49	38	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 095 ● IDP 096 ● IDP 097 ● IDP 098 ● IDP 099	€ 59,50	CS 090-095 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	116	68	57		● 340,50	○ 387,00								
			H (7xD)	135	87	76											
ø 10.0 ~ø 10.4	YTDI 100 <input type="checkbox"/> FSL KRUZ 100 <input type="checkbox"/> FSL	12,0 (HA)	T (3xD)	99	51	40	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 100 ● IDP 101 ● IDP 102 ● IDP 103 ● IDP 104	€ 71,00	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	119	71	60		● 340,50	○ 387,00								
			H (7xD)	139	91	80											
ø 10.5 ~ø 10.9	YTDI 105 <input type="checkbox"/> FSL KRUZ 105 <input type="checkbox"/> FSL	12,0 (HA)	T (3xD)	102	54	42	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 105 ● IDP 106 ● IDP 107 ● IDP 108 ● IDP 109	€ 71,00	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	123	75	63		● 340,50	○ 387,00								
			H (7xD)	144	96	84											
ø 11.0 ~ø 11.4	YTDI 110 <input type="checkbox"/> FSL KRUZ 110 <input type="checkbox"/> FSL	12,0 (HA)	T (3xD)	104	56	44	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 110 ● IDP 111 ● IDP 112 ● IDP 113 ● IDP 114	€ 87,50	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	126	78	66		● 340,50	○ 387,00								
			H (7xD)	148	100	88		○ 441,00	○ 502,50								
ø 11.5 ~ø 11.9	YTDI 115 <input type="checkbox"/> FSL KRUZ 115 <input type="checkbox"/> FSL	12,0 (HA)	T (3xD)	107	59	46	18	● 266,00	○ 308,00	● 329,00	○ 372,50	● IDP 115 ● IDP 116 ● IDP 117 ● IDP 118 ● IDP 119	€ 87,50	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-
			P (5xD)	130	82	69		● 340,50	○ 387,00								
			H (7xD)	153	105	92		○ 441,00	○ 502,50								
ø 12.0 ~ø 12.4	YTDI 120 <input type="checkbox"/> FSL KRUZ 120 <input type="checkbox"/> FSL	16,0	T (3xD)	109	61	48	21	● 269,00	○ 314,00	● 352,00	○ 412,00	● IDP 120 ● IDP 121 ● IDP 122 ● IDP 123 ● IDP 124	€ 101,00	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M 2.5x4	1.3 mm
			P (5xD)	133	85	72		● 370,00	○ 439,00								
			H (7xD)	157	109	96		○ 480,50	○ 569,50								
			L (10XD)	193	145	132											

## KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	€	STOCK	€					
Ø 12.5 ~Ø 12.9	YTDI 125 □ FSL KRUZ 125 □ FSL	16.0	T (3xD)	111	63	50	21	● 269,00	○ 314,00	● IDP 125	€ 101,00	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	136	88	75		● 352,00	○ 412,00	● IDP 126						
			H (7xD)	161	113	100		● 370,00	○ 439,00	● IDP 127						
			L (10xD)	199	151	138		● 480,50	○ 569,50	● IDP 128						
								○ 480,50	○ 569,50	● IDP 129						
Ø 13.0 ~Ø 13.4	YTDI 130 □ FSL KRUZ 130 □ FSL	16.0	T (3xD)	114	66	52	21	● 269,00	○ 314,00	● IDP 130	€ 101,00	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	140	92	78		● 352,00	○ 412,00	● IDP 131						
			H (7xD)	166	118	104		● 370,00	○ 439,00	● IDP 132						
			L (10xD)	205	157	143		● 480,50	○ 569,50	● IDP 133						
								○ 480,50	○ 569,50	● IDP 134						
Ø 13.5 ~Ø 13.9	YTDI 135 □ FSL KRUZ 135 □ FSL	16.0	T (3xD)	116	68	54	21	● 269,00	○ 314,00	● IDP 135	€ 101,00	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	143	95	81		● 352,00	○ 412,00	● IDP 136						
			H (7xD)	170	122	108		● 370,00	○ 439,00	● IDP 137						
			L (10xD)	211	163	149		● 480,50	○ 569,50	● IDP 138						
								○ 480,50	○ 569,50	● IDP 139						
Ø 14.0 ~Ø 14.4	YTDI 140 □ FSL KRUZ 140 □ FSL	16.0	T (3xD)	119	71	56	21	● 289,00	○ 329,00	● IDP 140	€ 115,00	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	147	99	84		● 394,50	○ 454,50	● IDP 141						
			H (7xD)	175	127	112		● 430,00	○ 496,50	● IDP 142						
			L (10xD)	217	169	154		● 558,00	○ 642,50	● IDP 143						
								○ 558,00	○ 642,50	● IDP 144						
Ø 14.5 ~Ø 14.9	YTDI 145 □ FSL KRUZ 145 □ FSL	20.0	T (3xD)	123	73	58	27	● 289,00	○ 329,00	● IDP 145	€ 115,00	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	152	102	87		● 394,50	○ 454,50	● IDP 146						
			H (7xD)	181	131	116		● 430,00	○ 496,50	● IDP 147						
			L (10xD)	225	175	160		● 558,00	○ 642,50	● IDP 148						
								○ 558,00	○ 642,50	● IDP 149						
Ø 15.0 ~Ø 15.4	YTDI 150 □ FSL KRUZ 150 □ FSL	20.0	T (3xD)	127	77	60	27	● 289,00	○ 329,00	● IDP 150	€ 115,00	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	157	107	90		● 394,50	○ 454,50	● IDP 151						
			H (7xD)	187	137	120		● 430,00	○ 496,50	● IDP 152						
			L (10xD)	232	182	165		● 558,00	○ 642,50	● IDP 153						
								○ 558,00	○ 642,50	● IDP 154						
Ø 15.5 ~Ø 15.9	YTDI 155 □ FSL KRUZ 155 □ FSL	20.0	T (3xD)	130	80	62	27	● 289,00	○ 329,00	● IDP 155	€ 115,00	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	161	111	93		● 394,50	○ 454,50	● IDP 156						
			H (7xD)	192	142	124		● 430,00	○ 496,50	● IDP 157						
			L (10xD)	239	189	171		● 558,00	○ 642,50	● IDP 158						
								○ 558,00	○ 642,50	● IDP 159						
Ø 16.0 ~Ø 16.4	YTDI 160 □ FSL KRUZ 160 □ FSL	20.0	T (3xD)	132	82	64	27	● 291,00	○ 331,00	● IDP 160	€ 123,00	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	164	114	96		● 428,50	○ 496,50	● IDP 161						
			H (7xD)	196	146	128		● 464,00	○ 536,50	● IDP 162						
			L (10xD)	244	194	176		● 602,00	○ 696,50	● IDP 163						
								○ 602,00	○ 696,50	● IDP 164						
Ø 16.5 ~Ø 16.9	YTDI 165 □ FSL KRUZ 165 □ FSL	20.0	T (3xD)	135	85	66	27	● 291,00	○ 331,00	● IDP 165	€ 123,00	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	168	118	99		● 428,50	○ 496,50	● IDP 166						
			H (7xD)	201	151	132		● 464,00	○ 536,50	● IDP 167						
			L (10xD)	251	201	182		● 602,00	○ 696,50	● IDP 168						
								○ 602,00	○ 696,50	● IDP 169						
Ø 17.0 ~Ø 17.4	YTDI 170 □ FSL KRUZ 170 □ FSL	20.0	T (3xD)	137	87	68	27	● 291,00	○ 331,00	● IDP 170	€ 123,00	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	171	121	102		● 428,50	○ 496,50	● IDP 171						
			H (7xD)	205	155	136		● 464,00	○ 536,50	● IDP 172						
			L (10xD)	256	206	187		● 602,00	○ 696,50	● IDP 173						
								○ 602,00	○ 696,50	● IDP 174						
Ø 17.5 ~Ø 17.9	YTDI 175 □ FSL KRUZ 175 □ FSL	20.0	T (3xD)	139	89	70	27	● 291,00	○ 331,00	● IDP 175	€ 123,00	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	174	124	105		● 428,50	○ 496,50	● IDP 176						
			H (7xD)	209	159	140		● 464,00	○ 536,50	● IDP 177						
			L (10xD)	262	212	193		● 602,00	○ 696,50	● IDP 178						
								○ 602,00	○ 696,50	● IDP 179						
Ø 18.0 ~Ø 18.4	YTDI 180 □ FSL KRUZ 180 □ FSL	20.0	T (3xD)	142	92	72	27	● 291,00	○ 331,00	● IDP 180	€ 123,00	CS 180-195 SL	T8 Torque 1,5Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	178	128	108		● 465,00	○ 536,50	● IDP 181						
			H (7xD)	214	164	144		● 492,50	○ 573,00	● IDP 182						
			L (10xD)	268	218	198		● 641,50	○ 744,00	● IDP 183						
								○ 641,50	○ 744,00	● IDP 184						
Ø 18.5 ~Ø 18.9	YTDI 185 □ FSL KRUZ 185 □ FSL	20.0	T (3xD)	144	94	74	27	● 291,00	○ 331,00	● IDP 185	€ 123,00	CS 180-195 SL	T8 Torque 1,5Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	181	131	111		● 465,00	○ 536,50	● IDP 186						
			H (7xD)	218	168	148		● 492,50	○ 573,00	● IDP 187						
			L (10xD)	274	224	204		● 641,50	○ 744,00	● IDP 188						
								○ 641,50	○ 744,00	● IDP 189						
Ø 19.0 ~Ø 19.4	YTDI 190 □ FSL KRUZ 190 □ FSL	20.0	T (3xD)	147	97	76	27	● 291,00	○ 331,00	● IDP 190	€ 123,00	CS 180-195 SL	T8 Torque 1,5Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	185	135	114		● 465,00	○ 536,50	● IDP 191						
			H (7xD)	223	173	152		● 492,50	○ 573,00	● IDP 192						
			L (10xD)	280	230	209		● 641,50	○ 744,00	● IDP 193						
								○ 641,50	○ 744,00	● IDP 194						
Ø 19.5 ~Ø 19.9	YTDI 195 □ FSL KRUZ 195 □ FSL	20.0	T (3xD)	149	99	78	27	● 291,00	○ 331,00	● IDP 195	€ 123,00	CS 180-195 SL	T8 Torque 1,5Nm (Max)	M 2.5x4	1.3 mm	
			P (5xD)	188	138	117		● 465,00	○ 536,50	● IDP 196						
			H (7xD)	227	177	156		● 492,50	○ 573,00	● IDP 197						
			L (10xD)	286	236	215		● 641,50	○ 744,00	● IDP 198						
								○ 641,50	○ 744,00	● IDP 199						
Ø 20.0 ~Ø 20.4	YTDI 200 □ FSL KRUZ 200 □ FSL	25.0	T (3xD)	157	101	80	32	● 350,50	○ 400,50	● IDP 200	€ 123,00	CS 200-215 SL	T8 Torque 1,5Nm (Max)	M 3x6	1.5 mm	
			P (5xD)	197	141	120		● 465,00	○ 536,50	○ IDP 201						
			H (7xD)	237	181	160		● 523,50	○ 604,00	○ IDP 202						
			L (10xD)	297	241	220		● 680,00	○ 785,00	○ IDP 203						
								○ 680,00	○ 785,00	○ IDP 204						

## KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench	
								STOCK	€	STOCK	€						
Ø 20.5 -Ø 20.9	<b>YTDI 205</b> □ FSL KRUZ 205 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	160	104	82	32	●	350,50	○	400,50	● IDP 205 ○ IDP 206 ○ IDP 207 ○ IDP 208 ○ IDP 209	€ 123,00	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				201	145	123		●	465,00	○	536,50						
				242	186	164		○	523,50	○	604,00						
				304	248	226		○	680,00	○	785,00						
Ø 21.0 -Ø 21.4	<b>YTDI 210</b> □ FSL KRUZ 210 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	162	106	84	32	●	350,50	○	400,50	● IDP 210 ○ IDP 211 ○ IDP 212 ○ IDP 213 ○ IDP 214	€ 123,00	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				204	148	126		●	465,00	○	536,50						
				246	190	168		○	523,50	○	604,00						
				309	253	231		○	680,00	○	785,00						
Ø 21.5 -Ø 21.9	<b>YTDI 215</b> □ FSL KRUZ 215 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	165	109	86	32	●	350,50	○	400,50	● IDP 215 ○ IDP 216 ○ IDP 217 ○ IDP 218 ○ IDP 219	€ 123,00	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				208	152	129		●	465,00	○	536,50						
				251	195	172		○	523,50	○	604,00						
				316	260	237		○	680,00	○	785,00						
Ø 22.0 -Ø 22.4	<b>YTDI 220</b> □ FSL KRUZ 220 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	167	111	88	32	●	350,50	○	400,50	● IDP 220 ○ IDP 221 ○ IDP 222 ○ IDP 223 ○ IDP 224	€ 136,00	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				211	155	132		●	496,50	○	573,00						
				255	199	176		○	590,00	○	684,00						
				321	265	242		○	766,50	○	890,50						
Ø 22.5 -Ø 22.9	<b>YTDI 225</b> □ FSL KRUZ 225 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	169	113	90	32	●	350,50	○	400,50	● IDP 225 ○ IDP 226 ○ IDP 227 ○ IDP 228 ○ IDP 229	€ 136,00	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				214	158	135		●	496,50	○	573,00						
				259	203	180		○	590,00	○	684,00						
				327	271	248		○	766,50	○	890,50						
Ø 23.0 -Ø 23.4	<b>YTDI 230</b> □ FSL KRUZ 230 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	172	116	92	32	●	350,50	○	400,50	● IDP 230 ○ IDP 231 ○ IDP 232 ○ IDP 233 ○ IDP 234	€ 136,00	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				218	162	138		●	496,50	○	573,00						
				264	208	184		○	590,00	○	684,00						
				333	277	253		○	766,50	○	890,50						
Ø 23.5 -Ø 23.9	<b>YTDI 235</b> □ FSL KRUZ 235 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	174	118	94	32	●	350,50	○	400,50	● IDP 235 ○ IDP 236 ○ IDP 237 ○ IDP 238 ○ IDP 239	€ 136,00	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				221	165	141		●	496,50	○	573,00						
				268	212	188		○	590,00	○	684,00						
				339	283	259		○	766,50	○	890,50						
Ø 24.0 -Ø 24.4	<b>YTDI 240</b> □ FSL KRUZ 240 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	181	121	96	39	●	432,00	○	495,50	● IDP 240 ○ IDP 241 ○ IDP 242 ○ IDP 243 ○ IDP 244	€ 166,00	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				229	169	144		●	524,50	○	604,00						
				277	217	192		○	599,50	○	692,50						
				349	289	264		○	778,00	○	899,00						
Ø 24.5 -Ø 24.9	<b>YTDI 245</b> □ FSL KRUZ 245 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	183	123	98	39	●	432,00	○	495,50	● IDP 245 ○ IDP 246 ○ IDP 247 ○ IDP 248 ○ IDP 249	€ 166,00	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				232	172	147		●	524,50	○	604,00						
				281	221	196		○	599,50	○	692,50						
				355	295	270		○	778,00	○	899,00						
Ø 25.0 -Ø 25.4	<b>YTDI 250</b> □ FSL KRUZ 250 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	185	125	100	39	●	432,00	○	495,50	● IDP 250 ○ IDP 251 ○ IDP 252 ○ IDP 253 ○ IDP 254	€ 166,00	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				235	175	150		●	524,50	○	604,00						
				285	225	200		○	599,50	○	692,50						
				360	300	275		○	778,00	○	899,00						
Ø 25.5 -Ø 25.9	<b>YTDI 255</b> □ FSL KRUZ 255 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	188	128	102	39	●	432,00	○	495,50	● IDP 255 ○ IDP 256 ○ IDP 257 ○ IDP 258 ○ IDP 259	€ 166,00	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				239	179	153		●	524,50	○	604,00						
				290	230	204		○	599,50	○	692,50						
				367	307	281		○	778,00	○	899,00						
Ø 26.0 -Ø 26.4	<b>YTDI 260</b> □ FSL KRUZ 260 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	190	130	104	39	●	432,00	○	495,50	● IDP 260 ○ IDP 261 ○ IDP 262 ○ IDP 263 ○ IDP 264	€ 190,00	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				242	182	156		●	591,50	○	684,00						
				294	234	208		○	700,00	○	809,50						
				372	312	286		○	908,00	○	1050,00						
Ø 26.5 -Ø 26.9	<b>YTDI 265</b> □ FSL KRUZ 265 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	193	133	106	39	●	432,00	○	495,50	● IDP 265 ○ IDP 266 ○ IDP 267 ○ IDP 268 ○ IDP 269	€ 190,00	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				246	186	159		●	591,50	○	684,00						
				299	239	212		○	700,00	○	809,50						
				379	319	292		○	908,00	○	1050,00						
Ø 27.0 -Ø 27.4	<b>YTDI 270</b> □ FSL KRUZ 270 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	195	135	108	39	●	432,00	○	495,50	● IDP 270 ○ IDP 271 ○ IDP 272 ○ IDP 273 ○ IDP 274	€ 190,00	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				249	189	162		●	591,50	○	684,00						
				303	243	216		○	700,00	○	809,50						
				384	324	297		○	908,00	○	1050,00						
Ø 27.5 -Ø 27.9	<b>YTDI 275</b> □ FSL KRUZ 275 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	197	137	110	39	●	432,00	○	495,50	● IDP 275 ○ IDP 276 ○ IDP 277 ○ IDP 278 ○ IDP 279	€ 190,00	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				252	192	165		●	591,50	○	684,00						
				307	247	220		○	700,00	○	809,50						
				390	330	303		○	908,00	○	1050,00						
Ø 28.0 -Ø 28.4	<b>YTDI 280</b> □ FSL KRUZ 280 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	200	140	112	39	●	561,50	○	652,00	● IDP 280 ○ IDP 281 ○ IDP 282 ○ IDP 283 ○ IDP 284	€ 243,50	CS 280-295 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				256	196	168		●	591,50	○	684,00						
				312	252	224		○	700,00	○	811,50						
				396	336	308		○	908,00	○	1054,50						

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2025

 Ge Tooling

117

MILLING

MINIMILL

MOULDMILL

MICROTOOLS  
AMS

MINITOOLS

GROOVING

GE DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

SPEED TIGER

RICAMBI  
INSERTI

PARAMETRI  
INSERTI

## KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	€	STOCK	€					
ø 28.5 ~ø 28.9	YTDI 285 □ FSL KRUZ 285 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	202	142	114	39	● 561,50	○ 652,00	● IDP 285	€ 243,50	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm	
				259	199	171		○ 591,50	○ 684,00	○ IDP 286						
				316	256	228		○ 700,00	○ 811,50	○ IDP 287						
				402	342	314		○ 908,00	○ 1054,50	○ IDP 288 ○ IDP 289						
ø 29.0 ~ø 29.4	YTDI 290 □ FSL KRUZ 290 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	205	145	116	39	● 561,50	○ 652,00	● IDP 290	€ 243,50	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm	
				263	203	174		○ 591,50	○ 684,00	○ IDP 291						
				321	261	232		○ 700,00	○ 811,50	○ IDP 292						
				408	348	319		○ 908,00	○ 1054,50	○ IDP 293 ○ IDP 294						
ø 29.5 ~ø 29.9	YTDI 295 □ FSL KRUZ 295 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	207	147	118	39	● 561,50	○ 652,00	● IDP 295	€ 243,50	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm	
				266	206	177		○ 591,50	○ 684,00	○ IDP 296						
				325	265	236		○ 700,00	○ 811,50	○ IDP 297						
				414	354	325		○ 908,00	○ 1054,50	○ IDP 298 ○ IDP 299						
ø 30.0 ~ø 30.4	YTDI 300 □ FSL KRUZ 300 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	209	149	120	39	● 561,50	○ 652,00	● IDP 300	€ 259,00	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 4x8	2.0 mm	
				269	209	180		○ 591,50	○ 684,00	○ IDP 301						
				329	269	240		○ 713,00	○ 821,00	○ IDP 302						
				419	359	330		○ 925,00	○ 1064,50	○ IDP 303 ○ IDP 304						
ø 30.5 ~ø 30.9	YTDI 305 □ FSL KRUZ 305 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	212	152	122	39	● 561,50	○ 652,00	○ IDP 305	€ 259,00	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 4x8	2.0 mm	
				273	213	183		○ 591,50	○ 684,00	○ IDP 306						
				334	274	244		○ 713,00	○ 821,00	○ IDP 307						
				426	366	336		○ 925,00	○ 1064,50	○ IDP 308 ○ IDP 309						
ø 31.0 ~ø 31.4	YTDI 310 □ FSL KRUZ 310 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	214	154	124	39	● 561,50	○ 652,00	○ IDP 310	€ 259,00	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				276	216	186		○ 591,50	○ 684,00	○ IDP 311						
				338	278	248		○ 713,00	○ 821,00	○ IDP 312						
				431	371	341		○ 925,00	○ 1064,50	○ IDP 313 ○ IDP 314						
ø 31.5 ~ø 31.9	YTDI 315 □ FSL KRUZ 315 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	217	157	126	39	● 561,50	○ 652,00	○ IDP 315	€ 259,00	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				280	220	189		○ 591,50	○ 684,00	○ IDP 316						
				343	283	252		○ 713,00	○ 821,00	○ IDP 317						
				438	378	347		○ 925,00	○ 1064,50	○ IDP 318 ○ IDP 319						
ø 32.0 ~ø 32.4	YTDI 320 □ FSL KRUZ 320 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	219	159	128	39	● 561,50	○ 652,00	○ IDP 320	€ 278,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				283	223	192		○ 591,50	○ 684,00	○ IDP 321						
				347	287	256		○ 713,00	○ 827,50	○ IDP 322						
				443	383	352		○ 925,00	○ 1075,00	○ IDP 323 ○ IDP 324						
ø 32.5 ~ø 32.9	YTDI 325 □ FSL KRUZ 325 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	221	161	130	39	● 561,50	○ 652,00	○ IDP 325	€ 278,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				286	226	195		○ 591,50	○ 684,00	○ IDP 326						
				351	291	260		○ 713,00	○ 827,50	○ IDP 327						
				449	389	358		○ 925,00	○ 1075,00	○ IDP 328 ○ IDP 329						
ø 33.0 ~ø 33.4	YTDI 330 □ FSL KRUZ 330 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	224	164	132	39	● 561,50	○ 652,00	○ IDP 330	€ 278,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				290	230	198		○ 591,50	○ 684,00	○ IDP 331						
				356	296	264		○ 713,00	○ 827,50	○ IDP 332						
				455	395	363		○ 925,00	○ 1075,00	○ IDP 333 ○ IDP 334						
ø 33.5 ~ø 33.9	YTDI 335 □ FSL KRUZ 335 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	226	166	134	39	● 561,50	○ 652,00	○ IDP 335	€ 278,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				293	233	201		○ 591,50	○ 684,00	○ IDP 336						
				360	300	268		○ 713,00	○ 827,50	○ IDP 337						
				461	401	369		○ 925,00	○ 1075,00	○ IDP 338 ○ IDP 339						
ø 34.0 ~ø 34.4	YTDI 340 □ FSL KRUZ 340 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	239	169	136	55	● 729,00	○ 851,50	○ IDP 340	€ 318,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				307	237	204		○ 929,50	○ 1162,50	○ IDP 341						
				375	305	272		○ 1060,50	○ 1329,50	○ IDP 342						
				477	407	374		○ 1376,00	○ 1726,50	○ IDP 343 ○ IDP 344						
ø 34.5 ~ø 34.9	YTDI 345 □ FSL KRUZ 345 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	241	171	138	55	○ 729,00	○ 851,50	○ IDP 345	€ 318,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				310	240	207		● 929,50	○ 1162,50	○ IDP 346						
				379	309	276		○ 1060,50	○ 1329,50	○ IDP 347						
				483	413	380		○ 1376,00	○ 1726,50	○ IDP 348 ○ IDP 349						
ø 35.0 ~ø 35.4	YTDI 350 □ FSL KRUZ 350 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	243	173	140	55	○ 729,00	○ 851,50	○ IDP 350	€ 318,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				313	243	210		● 929,50	○ 1162,50	○ IDP 351						
				383	313	280		○ 1060,50	○ 1329,50	○ IDP 352						
				488	418	385		○ 1376,00	○ 1726,50	○ IDP 353 ○ IDP 354						
ø 35.5 ~ø 35.9	YTDI 355 □ FSL KRUZ 355 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	246	176	142	55	○ 729,00	○ 851,50	○ IDP 355	€ 318,00	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				317	247	213		● 929,50	○ 1162,50	○ IDP 356						
				388	318	284		○ 1060,50	○ 1329,50	○ IDP 357						
				495	425	391		○ 1376,00	○ 1726,50	○ IDP 358 ○ IDP 359						
ø 36.0 ~ø 36.4	YTDI 360 □ FSL KRUZ 360 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	248	178	144	55	○ 756,50	○ 881,00	○ IDP 360	€ 355,00	CS 360-395 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm	
				320	250	216		● 950,00	○ 1190,50	○ IDP 361						
				392	322	288		○ 1143,50	○ 1428,00	○ IDP 362						
				500	430	396		○ 1487,00	○ 1855,50	○ IDP 363 ○ IDP 364						

## KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (φd)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (φFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	€	STOCK	€					
φ 36.5 -φ 36.9	<b>YTDI 365</b> □ FSL KRUZ 365 □ FSL	40.0	T (3xD)	251	181	146	55	○ 756,50	○ 881,00	○ IDP 365	€ 355,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	324	254	219		● 950,00	○ 1190,50	○ IDP 366						
			H (7xD)	397	327	292		○ 1143,50	○ 1428,00	○ IDP 367						
			L (10XD)	507	347	402		○ 1487,00	○ 1855,50	○ IDP 368						
										○ IDP 369						
φ 37.0 -φ 37.4	<b>YTDI 370</b> □ FSL KRUZ 370 □ FSL	40.0	T (3xD)	253	183	148	55	○ 756,50	○ 881,00	○ IDP 370	€ 355,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	327	257	222		● 950,00	○ 1190,50	○ IDP 371						
			H (7xD)	401	331	296		○ 1143,50	○ 1428,00	○ IDP 372						
			L (10XD)	512	442	407		○ 1487,00	○ 1855,50	○ IDP 373						
										○ IDP 374						
φ 37.5 -φ 37.9	<b>YTDI 375</b> □ FSL KRUZ 375 □ FSL	40.0	T (3xD)	255	185	150	55	○ 756,50	○ 881,00	○ IDP 375	€ 355,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	330	260	225		● 950,00	○ 1190,50	○ IDP 376						
			H (7xD)	405	335	300		○ 1143,50	○ 1428,00	○ IDP 377						
			L (10XD)	518	448	413		○ 1487,00	○ 1855,50	○ IDP 378						
										○ IDP 379						
φ 38.0 -φ 38.4	<b>YTDI 380</b> □ FSL KRUZ 380 □ FSL	40.0	T (3xD)	258	188	152	55	○ 756,50	○ 896,50	○ IDP 380	€ 404,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	334	264	228		● 950,00	○ 1203,50	○ IDP 381						
			H (7xD)	410	340	304		○ 1143,50	○ 1450,00	○ IDP 382						
			L (10XD)	524	454	418		○ 1487,00	○ 1883,50	○ IDP 383						
										○ IDP 384						
φ 38.5 -φ 38.9	<b>YTDI 385</b> □ FSL KRUZ 385 □ FSL	40.0	T (3xD)	260	196	154	55	○ 756,50	○ 896,50	○ IDP 385	€ 404,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	337	267	231		● 950,00	○ 1203,50	○ IDP 386						
			H (7xD)	414	344	308		○ 1143,50	○ 1450,00	○ IDP 387						
			L (10XD)	530	460	424		○ 1487,00	○ 1883,50	○ IDP 388						
										○ IDP 389						
φ 39.0 -φ 39.4	<b>YTDI 390</b> □ FSL KRUZ 390 □ FSL	40.0	T (3xD)	263	193	156	55	○ 756,50	○ 896,50	○ IDP 390	€ 404,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	341	271	234		● 950,00	○ 1203,50	○ IDP 391						
			H (7xD)	419	349	312		○ 1143,50	○ 1450,00	○ IDP 392						
			L (10XD)	536	466	429		○ 1487,00	○ 1883,50	○ IDP 393						
										○ IDP 394						
φ 39.5 -φ 39.9	<b>YTDI 395</b> □ FSL KRUZ 395 □ FSL	40.0	T (3xD)	265	195	158	55	○ 756,50	○ 896,50	○ IDP 395	€ 404,00	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm	
			P (5xD)	344	274	237		● 950,00	○ 1203,50	○ IDP 396						
			H (7xD)	423	353	316		○ 1143,50	○ 1450,00	○ IDP 397						
			L (10XD)	542	472	435		○ 1487,00	○ 1883,50	○ IDP 398						
										○ IDP 399						
φ 40.0 -φ 40.4	<b>YTDI 400</b> □ FSL KRUZ 400 □ FSL	40.0	T (3xD)	267	197	160	55	○ 811,50	○ 967,50	○ IDP 400	€ 445,00	CS 400-445 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	347	277	240		● 999,50	○ 1255,00	○ IDP 401						
			H (7xD)	427	357	320		○ 1170,00	○ 1471,00	○ IDP 402						
			L (10XD)	547	477	440		○ 1521,00	○ 1912,50	○ IDP 403						
										○ IDP 404						
φ 40.5 -φ 40.9	<b>YTDI 405</b> □ FSL KRUZ 405 □ FSL	40.0	T (3xD)	270	200	162	55	○ 811,50	○ 967,50	○ IDP 405	€ 445,00	CS 400-445 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	351	281	243		● 999,50	○ 1255,00	○ IDP 406						
			H (7xD)	432	362	324		○ 1170,00	○ 1471,00	○ IDP 407						
			L (10XD)	554	484	446		○ 1521,00	○ 1912,50	○ IDP 408						
										○ IDP 409						
φ 41.0 -φ 41.4	<b>YTDI 410</b> □ FSL KRUZ 410 □ FSL	40.0	T (3xD)	272	202	164	55	○ 811,50	○ 967,50	○ IDP 410	€ 445,00	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	354	284	246		● 999,50	○ 1255,00	○ IDP 411						
			H (7xD)	436	366	328		○ 1170,00	○ 1471,00	○ IDP 412						
			L (10XD)	559	489	451		○ 1521,00	○ 1912,50	○ IDP 413						
										○ IDP 414						
φ 41.5 -φ 41.9	<b>YTDI 415</b> □ FSL KRUZ 415 □ FSL	40.0	T (3xD)	275	205	166	55	○ 811,50	○ 967,50	○ IDP 415	€ 445,00	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	358	288	249		● 999,50	○ 1255,00	○ IDP 416						
			H (7xD)	441	371	332		○ 1170,00	○ 1471,00	○ IDP 417						
			L (10XD)	566	496	457		○ 1521,00	○ 1912,50	○ IDP 418						
										○ IDP 419						
φ 42.0 -φ 42.4	<b>YTDI 420</b> □ FSL KRUZ 420 □ FSL	40.0	T (3xD)	277	207	168	55	○ 811,50	○ 967,50	○ IDP 420	€ 492,50	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	361	291	252		● 1301,50	○ 1588,00	○ IDP 421						
			H (7xD)	445	375	336		○ 1524,50	○ 1861,00	○ IDP 422						
			L (10XD)	571	501	462		○ 1981,00	○ 2417,50	○ IDP 423						
										○ IDP 424						
φ 42.5 -φ 42.9	<b>YTDI 425</b> □ FSL KRUZ 425 □ FSL	40.0	T (3xD)	279	209	170	55	○ 811,50	○ 967,50	○ IDP 425	€ 492,50	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	364	294	255		○ 1301,50	○ 1588,00	○ IDP 426						
			H (7xD)	449	379	340		○ 1524,50	○ 1861,00	○ IDP 427						
			L (10XD)	577	507	468		○ 1981,00	○ 2417,50	○ IDP 428						
										○ IDP 429						
φ 43.0 -φ 43.4	<b>YTDI 430</b> □ FSL KRUZ 430 □ FSL	40.0	T (3xD)	282	212	172	55	○ 811,50	○ 967,50	○ IDP 430	€ 492,50	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	368	298	258		○ 1301,50	○ 1588,00	○ IDP 431						
			H (7xD)	454	384	344		○ 1524,50	○ 1861,00	○ IDP 432						
			L (10XD)	583	513	473		○ 1981,00	○ 2417,50	○ IDP 433						
										○ IDP 434						
φ 43.5 -φ 43.9	<b>YTDI 435</b> □ FSL KRUZ 435 □ FSL	40.0	T (3xD)	284	214	174	55	○ 811,50	○ 967,50	○ IDP 435	€ 492,50	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	371	301	261		○ 1301,50	○ 1588,00	○ IDP 436						
			H (7xD)	458	388	348		○ 1524,50	○ 1861,00	○ IDP 437						
			L (10XD)	589	519	479		○ 1981,00	○ 2417,50	○ IDP 438						
										○ IDP 439						
φ 44.0 -φ 44.4	<b>YTDI 440</b> □ FSL KRUZ 440 □ FSL	40.0	T (3xD)	287	217	176	55	○ 959,00	○ 1165,50	○ IDP 440	€ 545,50	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm	
			P (5xD)	375	305	264		○ 1326,00	○ 1629,00	○ IDP 441						
			H (7xD)	463	393	352		○ 1613,00	○ 1975,00	○ IDP 442						
			L (10XD)	595	525	484		○ 2098,00	○ 2565,50	○ IDP 443						
										○ IDP 444						

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2025

MILLING  
MINIMILL  
MOULDMILL  
MICROTOOLS AMS  
MINITOLS  
GROOVING  
GE DRILLS  
NICECUT  
YES DRILLS  
SLIM CHUCK  
INSERTS  
SPEED TIGER  
RICAMBI  
PARAMETRI INSERTI

# KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench	
								STOCK	€	STOCK	€						
ø 44.5 ~ø 44.9	<b>YTDI 445</b> □ FSL KRUZ 445 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	289	219	178	55	○	959,00	○	1165,50	○ IDP 445	€ 545,50	CS 400-445 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 446					
								○	1613,00	○	1975,00	○ IDP 447					
								○	2098,00	○	2565,50	○ IDP 448					
								○	2098,00	○	2565,50	○ IDP 449					
ø 45.0 ~ø 45.4	<b>YTDI 450</b> □ FSL KRUZ 450 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	291	221	180	55	○	959,00	○	1165,50	○ IDP 450	€ 545,50	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 451					
								○	1613,00	○	1975,00	○ IDP 452					
								○	2098,00	○	2565,50	○ IDP 453					
								○	2098,00	○	2565,50	○ IDP 454					
ø 45.5 ~ø 45.9	<b>YTDI 455</b> □ FSL KRUZ 455 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	294	224	182	55	○	959,00	○	1165,50	○ IDP 455	€ 545,50	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 456					
								○	1613,00	○	1975,00	○ IDP 457					
								○	2098,00	○	2565,50	○ IDP 458					
								○	2098,00	○	2565,50	○ IDP 459					
ø 46.0 ~ø 46.4	<b>YTDI 460</b> □ FSL KRUZ 460 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	296	226	184	55	○	959,00	○	1165,50	○ IDP 460	€ 600,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 461					
								○	1613,00	○	1975,00	○ IDP 462					
								○	2098,00	○	2565,50	○ IDP 463					
								○	2098,00	○	2565,50	○ IDP 464					
ø 46.5 ~ø 46.9	<b>YTDI 465</b> □ FSL KRUZ 465 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	299	229	186	55	○	959,00	○	1165,50	○ IDP 465	€ 600,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 466					
								○	1613,00	○	1975,00	○ IDP 467					
								○	2098,00	○	2565,50	○ IDP 468					
								○	2098,00	○	2565,50	○ IDP 469					
ø 47.0 ~ø 47.4	<b>YTDI 470</b> □ FSL KRUZ 470 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	301	231	188	55	○	959,00	○	1165,50	○ IDP 470	€ 600,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 471					
								○	1613,00	○	1975,00	○ IDP 472					
								○	2098,00	○	2565,50	○ IDP 473					
								○	2098,00	○	2565,50	○ IDP 474					
ø 47.5 ~ø 47.9	<b>YTDI 475</b> □ FSL KRUZ 475 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	303	233	190	55	○	959,00	○	1165,50	○ IDP 475	€ 600,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1326,00	○	1629,00	○ IDP 476					
								○	1613,00	○	1975,00	○ IDP 477					
								○	2098,00	○	2565,50	○ IDP 478					
								○	2098,00	○	2565,50	○ IDP 479					
ø 48.0 ~ø 48.4	<b>YTDI 480</b> □ FSL KRUZ 480 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	306	236	192	55	○	1000,50	○	1246,00	○ IDP 480	€ 639,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mmv
								○	1376,00	○	1692,00	○ IDP 481					
								○	1677,00	○	2059,00	○ IDP 482					
								○	2179,00	○	2675,50	○ IDP 483					
								○	2179,00	○	2675,50	○ IDP 484					
ø 48.5 ~ø 48.9	<b>YTDI 485</b> □ FSL KRUZ 485 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	308	238	194	55	○	1000,50	○	1246,00	○ IDP 485	€ 639,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1376,00	○	1692,00	○ IDP 486					
								○	1677,00	○	2059,00	○ IDP 487					
								○	2179,00	○	2675,50	○ IDP 488					
								○	2179,00	○	2675,50	○ IDP 489					
ø 49.0 ~ø 49.4	<b>YTDI 490</b> □ FSL KRUZ 490 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	311	241	196	55	○	1000,50	○	1246,00	○ IDP 490	€ 639,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1376,00	○	1692,00	○ IDP 491					
								○	1677,00	○	2059,00	○ IDP 492					
								○	2179,00	○	2675,50	○ IDP 493					
								○	2179,00	○	2675,50	○ IDP 494					
ø 49.5 ~ø 49.9	<b>YTDI 495</b> □ FSL KRUZ 495 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	313	243	198	55	○	1000,50	○	1246,00	○ IDP 495	€ 639,00	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1376,00	○	1692,00	○ IDP 496					
								○	1677,00	○	2059,00	○ IDP 497					
								○	2179,00	○	2675,50	○ IDP 498					
								○	2179,00	○	2675,50	○ IDP 499					
ø 50.0 ~ø 50.4	<b>YTDI 500</b> □ FSL KRUZ 500 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10xD)	315	245	200	55	○	1000,50	○	1246,00	○ IDP 500	€ 713,50	CS 450-500 SL	Torque 4.0Nm (Max)	M 6x12	3.0 mm
								○	1376,00	○	1692,00	○ IDP 501					
								○	1677,00	○	2059,00	○ IDP 502					
								○	2179,00	○	2675,50	○ IDP 503					
								○	2179,00	○	2675,50	○ IDP 504					

## KRUZ-FSL Drills, Cutting Speed Recommendation

Material group	DRILL DIAM									
	ø 8-16 mm		ø 16-25 mm		ø 25-32 mm		ø 32-40 mm		ø 40-50 mm	
	Speed (m/min)	Feed (mm/rev)	Speed (m/min)	Feed (mm/rev)	Speed (m/min)	Feed (mm/rev)	Speed (m/min)	Feed (mm/rev)	Speed (m/min)	Feed (mm/rev)
Grey cast iron (FC)	80~150	0.20~0.30	80~150	0.25~0.45	80~160	0.35~0.55	90~200	0.34~0.58	90~200	0.38~0.60
Nodular cast iron (FCD)	80~140	0.15~0.25	80~140	0.22~0.45	80~150	0.32~0.52	90~180	0.35~0.62	90~200	0.38~0.60
Carbon steel (S45C)	80~140	0.15~0.30	80~140	0.16~0.40	80~150	0.20~0.40	80~150	0.22~0.48	80~160	0.25~0.54
Alloy steel (SCM440)	70~140	0.15~0.30	70~140	0.15~0.40	70~140	0.18~0.40	80~140	0.25~0.47	80~140	0.27~0.52
Hardened steel (SKD11)	40~50	0.10~0.20	40~50	0.12~0.28	40~50	0.16~0.35	40~60	0.20~0.38	40~60	0.22~0.42
Stainless steel (SUS)	30~40	0.10~0.20	35~50	0.10~0.22	35~50	0.15~0.28	40~55	0.18~0.30	40~55	0.22~0.32
Alluminium 13HB (AL)	120~200	0.20~0.30	120~200	0.25~0.40	120~200	0.30~0.45	120~200	0.30~0.45	120~200	0.30~0.50

• This data is recommended for 3xDia, and should be reduced about 15-20% for 5xD, 7xD, 10xD drills.

• The data is normally suggested for oil-mist(MQL) coolant condition and also possible to run in other normal condition if machining environment like clamping etc. are secured in good.







**GE TOOLING S.r.l.**

Via Elsa Morante, 71 - 41123 Modena  
Tel. +39 059 331543 - Fax. +39 059 822617  
getools@getooling.it-www.getooling.it