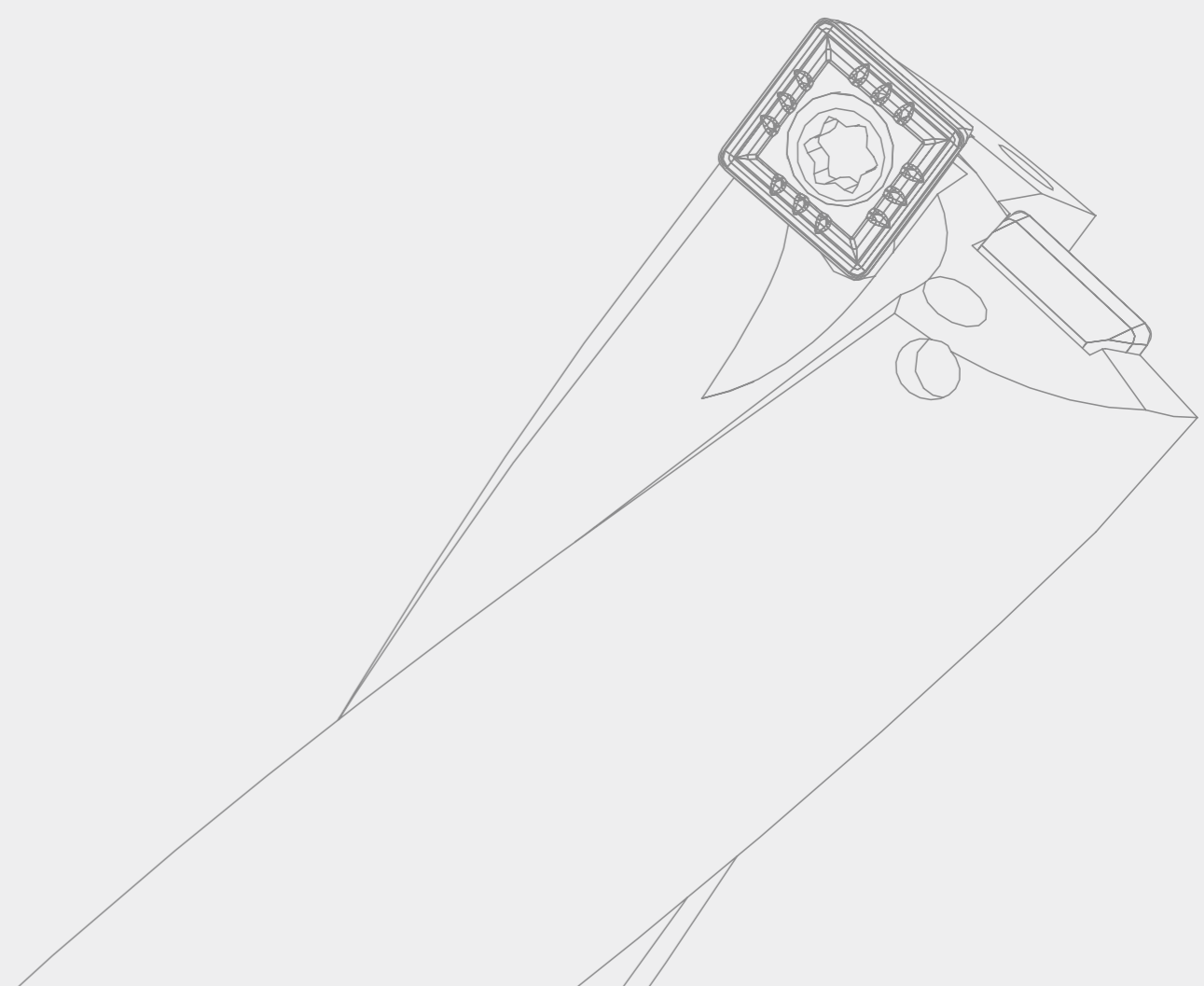




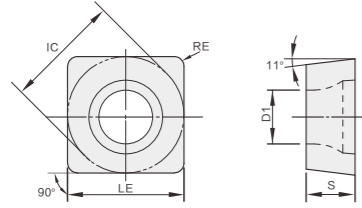
C Drilling Tools

a Drilling Inserts 187-188

b Drilling Tools 189-196

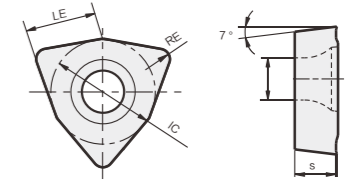


Indexable Shallow Drilling Insert List



Insert Shape	Type	Dimensions(mm)					Grade	
		LE	IC	S	D1	RE	OP1215	OP1315
	SPGT050204-OPM	5	5	2.38	2.2	0.4	▲	●
	SPGT060204-OPM	6	6	2.38	2.6	0.4	▲	●
	SPGT07T308-OPM	7.94	7.94	3.97	2.8	0.8	▲	●
	SPGT090408-OPM	9.8	9.8	4.3	4.2	0.8	▲	●
	SPGT110408-OPM	11.5	11.5	4.76	4.4	0.8	▲	●
	SPGT140512-OPM	14.3	14.3	5.2	5.75	1.2	▲	●

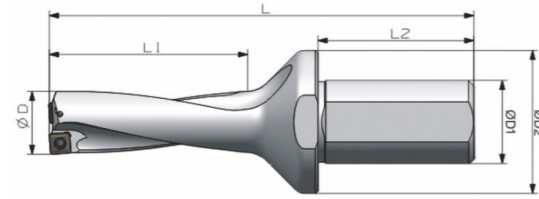
Indexable Shallow Drilling Insert List



Insert Shape	Type	Dimensions(mm)					Grade	
		LE	IC	S	D1	RE	OP1215	OP1315
	WCMX030208-ZK	3.8	5.56	2.38	2.8	0.8	▲	●
	WCMX040208-ZK	4.3	6.35	2.38	3.1	0.8	▲	●
	WCMX050308-ZK	5.4	7.94	3.18	3.2	0.8	▲	●
	WCMX06T308-ZK	6.5	9.525	3.97	3.7	0.8	▲	●
	WCMX080412-ZK	8.7	12.7	4.76	4.3	1.2	▲	●

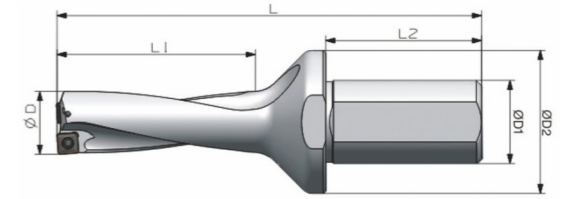
▲Featured grade ●Optional grade

Indexable Drilling Inserts Tool Holder



Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D13-W20-2X	13	20	25	32	50	96
UDR01-D14-W20-2X	14	20	25	34	50	98
UDR01-D15-W20-2X	15	20	25	36	50	100
UDR01-D16-W20-2X	16	20	25	38	50	102
UDR01-D17-W25-2X	17	25	32	40	56	118
UDR01-D18-W25-2X	18	25	32	42	56	120
UDR01-D19-W25-2X	19	25	32	44	56	121
UDR01-D20-W25-2X	20	25	32	46	56	123
UDR01-D21-W25-2X	21	25	32	48	56	125
UDR01-D22-W25-2X	22	25	32	50	56	128
UDR01-D23-W25-2X	23	25	32	52	60	130
UDR01-D24-W25-2X	24	25	32	54	60	132
UDR01-D25-W25-2X	25	25	32	56	60	134
UDR01-D26-W32-2X	26	32	40	58	60	136
UDR01-D27-W32-2X	27	32	40	60	60	138
UDR01-D28-W32-2X	28	32	40	62	60	147
UDR01-D29-W32-2X	29	32	40	64	60	149
UDR01-D30-W32-2X	30	32	40	66	60	151
UDR01-D31-W40-2X	31	40	50	68	60	153
UDR01-D32-W40-2X	32	40	50	70	60	155
UDR01-D33-W40-2X	33	40	50	72	60	157
UDR01-D34-W40-2X	34	40	50	74	60	174
UDR01-D35-W40-2X	35	40	50	76	60	176
UDR01-D36-W40-2X	36	40	50	78	60	178
UDR01-D37-W40-2X	37	40	50	80	70	180
UDR01-D38-W40-2X	38	40	50	82	70	182
UDR01-D39-W40-2X	39	40	50	84	70	184
UDR01-D40-W40-2X	40	40	50	86	70	186
UDR01-D41-W40-2X	41	40	50	88	70	188

Indexable Drilling Inserts Tool Holder

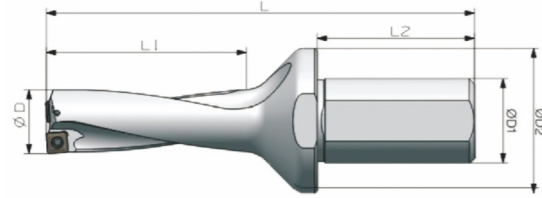


Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D42-W40-2X	42	40	60	90	70	200
UDR01-D43-W40-2X	43	40	60	92	70	202
UDR01-D44-W40-2X	44	40	60	94	70	204
UDR01-D45-W40-2X	45	40	60	96	70	206
UDR01-D46-W40-2X	46	40	60	98	70	208
UDR01-D47-W40-2X	47	40	60	100	70	210
UDR01-D48-W40-2X	48	40	60	102	70	212
UDR01-D49-W40-2X	49	40	60	104	70	214
UDR01-D50-W40-2X	50	40	60	106	70	216

Accessories

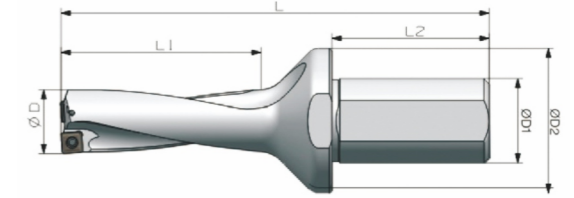
Insert	Diameter	Screw	Wrench
SPGT050204-OPM	13-16	L60 M2 × 4.3	T06
SPGT060204-OPM	17-21	L60 M2.2 × 5.5	T07
SPGT07T308-OPM	22-27	L60 M2.5 × 6.5	T08
SPGT090408-OPM	28-33	L60 M3.5 × 8	T15
SPGT110408-OPM	34-41	L60 M4 × 10	T15
SPGT140512-OPM	42-50	L60 M5 × 13	T20

Indexable Drilling Inserts Tool Holder



Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D13-W20-3X	13	20	25	44	50	111
UDR01-D14-W20-3X	14	20	25	47	50	114
UDR01-D15-W20-3X	15	20	25	50	50	127
UDR01-D16-W20-3X	16	20	25	53	50	120
UDR01-D17-W25-3X	17	25	32	56	56	135
UDR01-D18-W25-3X	18	25	32	59	56	138
UDR01-D19-W25-3X	19	25	32	62	56	140
UDR01-D20-W25-3X	20	25	32	65	56	143
UDR01-D21-W25-3X	21	25	32	68	56	146
UDR01-D22-W25-3X	22	25	32	71	56	149
UDR01-D23-W25-3X	23	25	32	74	60	153
UDR01-D24-W25-3X	24	25	32	77	60	156
UDR01-D25-W25-3X	25	25	32	80	60	159
UDR01-D26-W32-3X	26	32	40	83	60	162
UDR01-D27-W32-3X	27	32	40	86	60	165
UDR01-D28-W32-3X	28	32	40	89	60	168
UDR01-D29-W32-3X	29	32	40	92	60	178
UDR01-D30-W32-3X	30	32	40	95	60	181
UDR01-D31-W40-3X	31	40	50	98	60	184
UDR01-D32-W40-3X	32	40	50	101	60	187
UDR01-D33-W40-3X	33	40	50	104	60	190
UDR01-D34-W40-3X	34	40	50	107	60	193
UDR01-D35-W40-3X	35	40	50	110	60	196
UDR01-D36-W40-3X	36	40	50	113	60	199
UDR01-D37-W40-3X	37	40	50	117	70	217
UDR01-D38-W40-3X	38	40	50	119	70	220
UDR01-D39-W40-3X	39	40	50	122	70	223
UDR01-D40-W40-3X	40	40	50	125	70	231
UDR01-D41-W40-3X	41	40	50	128	70	229

Indexable Drilling Inserts Tool Holder

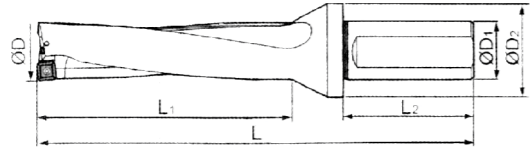


Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D42-W40-3X	42	40	60	131	70	232
UDR01-D43-W40-3X	43	40	60	134	70	240
UDR01-D44-W40-3X	44	40	60	138	70	248
UDR01-D45-W40-3X	45	40	60	141	70	251
UDR01-D46-W40-3X	46	40	60	144	70	254
UDR01-D47-W40-3X	47	40	60	147	70	257
UDR01-D48-W40-3X	48	40	60	149	70	260
UDR01-D49-W40-3X	49	40	60	152	70	263
UDR01-D50-W40-3X	50	40	60	155	70	266

Accessories

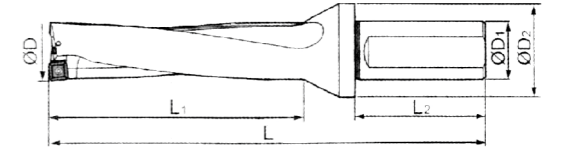
Insert	Diameter	Screw	Wrench
SPGT050204-OPM	13-16	L60 M2 × 4.3	T06
SPGT060204-OPM	17-21	L60 M2.2 × 5.5	T07
SPGT07T308-OPM	22-27	L60 M2.5 × 6.5	T08
SPGT090408-OPM	28-33	L60 M3.5 × 8	T15
SPGT110408-OPM	34-41	L60 M4 × 10	T15
SPGT140512-OPM	42-50	L60 M5 × 13	T20

Indexable Drilling Inserts Tool Holder



Type	Dimensions(mm)					
	ΦD	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D13-W20-4X	13	20	25	57	50	124
UDR01-D14-W20-4X	14	20	25	61	50	128
UDR01-D15-W20-4X	15	20	25	65	50	132
UDR01-D16-W20-4X	16	20	25	69	50	136
UDR01-D17-W25-4X	17	25	32	73	56	152
UDR01-D18-W25-4X	18	25	32	77	56	156
UDR01-D19-W25-4X	19	25	32	81	56	159
UDR01-D20-W25-4X	20	25	32	85	56	163
UDR01-D21-W25-4X	21	25	32	89	56	167
UDR01-D22-W25-4X	22	25	32	93	56	172
UDR01-D23-W32-4X	23	25	40	97	56	176
UDR01-D24-W32-4X	24	25	40	101	56	180
UDR01-D25-W32-4X	25	25	40	105	56	184
UDR01-D26-W32-4X	26	32	40	109	56	188
UDR01-D27-W32-4X	27	32	40	113	56	192
UDR01-D28-W32-4X	28	32	40	118	60	203
UDR01-D29-W32-4X	29	32	40	122	60	207
UDR01-D30-W32-4X	30	32	40	125	60	211
UDR01-D31-W40-4X	31	40	50	129	60	215
UDR01-D32-W40-4X	32	40	50	133	60	219
UDR01-D33-W40-4X	33	40	50	137	70	223
UDR01-D34-W40-4X	34	40	50	142	70	242
UDR01-D35-W40-4X	35	40	50	146	70	246
UDR01-D36-W40-4X	36	40	50	150	70	250
UDR01-D37-W40-4X	37	40	50	154	70	254
UDR01-D38-W40-4X	38	40	50	158	70	258
UDR01-D39-W40-4X	39	40	50	162	70	262
UDR01-D40-W40-4X	40	40	50	166	70	266
UDR01-D41-W40-4X	41	40	50	170	70	270

Indexable Drilling Inserts Tool Holder

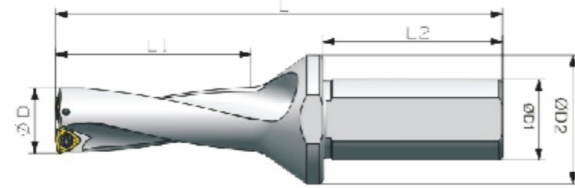


Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR01-D42-W40-4X	42	40	60	174	70	284
UDR01-D43-W40-4X	43	40	60	178	70	288
UDR01-D44-W40-4X	44	40	60	182	70	292
UDR01-D45-W40-4X	45	40	60	186	70	296
UDR01-D46-W40-4X	46	40	60	190	70	300
UDR01-D47-W40-4X	47	40	60	194	70	304
UDR01-D48-W40-4X	48	40	60	198	70	307
UDR01-D49-W40-4X	49	40	60	202	70	312
UDR01-D50-W40-4X	50	40	60	206	70	316

Accessories

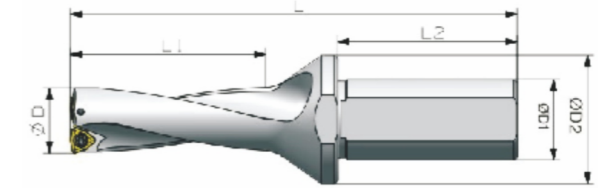
Insert	Diameter	Screw	Wrench
SPGT050204-OPM	13-16	L60 M2 × 4.3	T06
SPGT060204-OPM	17-21	L60 M2.2 × 5.5	T07
SPGT07T308-OPM	22-27	L60 M2.5 × 6.5	T08
SPGT090408-OPM	28-33	L60 M3.5 × 8	T15
SPGT110408-OPM	34-41	L60 M4 × 10	T15
SPGT140512-OPM	42-50	L60 M5 × 13	T20

Indexable Drilling Inserts Tool Holder



Type	Dimensions(mm)					
	ΦD	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR02-D16-W25-3X	16	25	32	52	56	129
UDR02-D17-W25-3X	17	25	32	55	56	133
UDR02-D18-W25-3X	18	25	32	58	56	137
UDR02-D19-W25-3X	19	25	32	61	56	140
UDR02-D20-W25-3X	20	25	32	64	56	143
UDR02-D21-W25-3X	21	25	32	67	56	153
UDR02-D22-W25-3X	22	25	32	70	56	156
UDR02-D23-W25-3X	23	25	32	73	56	159
UDR02-D24-W25-3X	24	25	32	76	56	162
UDR02-D25-W25-3X	25	25	32	79	56	165
UDR02-D26-W32-3X	26	32	40	83	60	176
UDR02-D27-W32-3X	27	32	40	86	60	180
UDR02-D28-W32-3X	28	32	40	89	60	184
UDR02-D29-W32-3X	29	32	40	92	60	188
UDR02-D30-W32-3X	30	32	40	95	60	192
UDR02-D31-W40-3X	31	40	50	98	70	203
UDR02-D32-W40-3X	32	40	50	101	70	206
UDR02-D33-W40-3X	33	40	50	104	70	209
UDR02-D34-W40-3X	34	40	50	107	70	212
UDR02-D35-W40-3X	35	40	50	110	70	215
UDR02-D36-W40-3X	36	40	50	113	70	218
UDR02-D37-W40-3X	37	40	50	116	70	221
UDR02-D38-W40-3X	38	40	50	119	70	225
UDR02-D39-W40-3X	39	40	50	122	70	228
UDR02-D40-W40-3X	40	40	50	125	70	231
UDR02-D41-W40-3X	41	40	50	128	70	234
UDR02-D42-W40-3X	42	40	60	131	70	239
UDR02-D43-W40-3X	43	40	60	134	70	242
UDR02-D44-W40-3X	44	40	60	137	70	245
UDR02-D45-W40-3X	45	40	60	140	70	248
UDR02-D46-W40-3X	46	40	60	143	70	251
UDR02-D47-W40-3X	47	40	60	146	70	253

Indexable Drilling Inserts Tool Holder



Type	Dimensions(mm)					
	D	ΦD ₁	ΦD ₂	L ₁	L ₂	L
UDR02-D48-W40-3X	48	40	60	149	70	255
UDR02-D49-W40-3X	49	40	60	152	70	257
UDR02-D50-W40-3X	50	40	60	155	70	259
UDR02-D51-W50-3X	51	50	60	158	70	261
UDR02-D52-W50-3X	52	50	60	161	70	263
UDR02-D53-W50-3X	53	50	60	164	70	265
UDR02-D54-W50-3X	54	50	60	167	70	267
UDR02-D55-W50-3X	55	50	60	170	70	269
UDR02-D56-W50-3X	56	50	60	173	70	271
UDR02-D57-W50-3X	57	50	60	176	70	273
UDR02-D58-W50-3X	58	50	60	179	70	275

Accessories

Insert	Diameter	Screw	Wrench
WCMX030208-ZK	16-20	L60 M2.5 × 6.5	T08
WCMX040208-ZK	21-25	L60 M2.5 × 6.5	T08
WCMX050308-ZK	26-30	L60 M3 × 8	T10
WCMX06T308-ZK	31-41	L60 M3.5 × 8	T15
WCMX080412-ZK	42-58	L60 M4 × 10	T15