New products for machining technicians

NEW

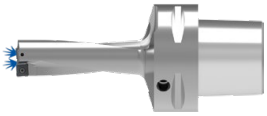
KUB Pentron – ABS

ABS | ≤ 2xD | ≤ 3xD

→ Page 10–17

NEW

KUB Pentron – PSC



PSC | ≤ 3xD

→ Page 24–26

NEW

KUB Pentron – C

C | ≤ 2xD | ≤ 3xD

→ Page 27–32

NEW

KUB Pentron – CS

ABS | ≤ 3xD

→ Page 39–41

NEW

KUB Trigon – K

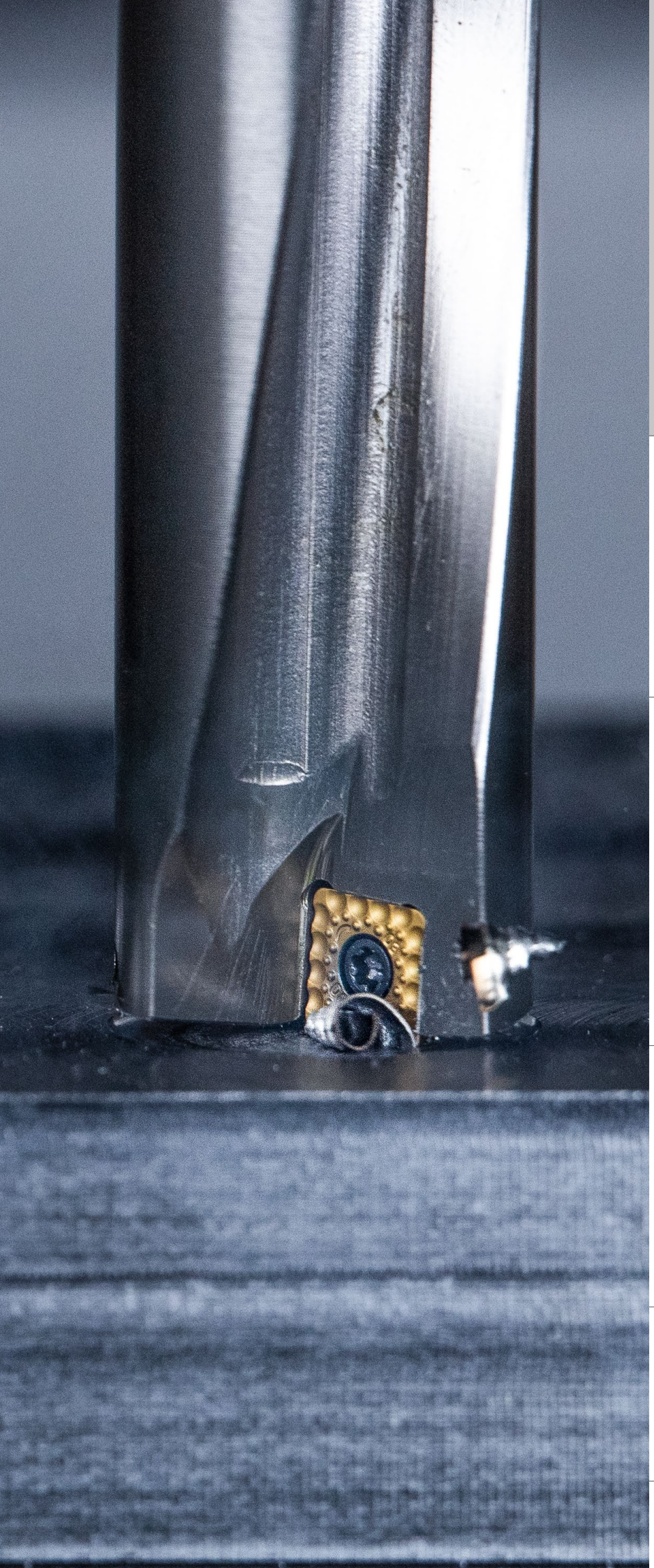
K | ≤ 2xD | ≤ 3xD | ≤ 4xD

→ Page 57–59

NEW

Adjuster with ABS connection

→ Page 76



List of contents

KOMET \ Performance

Premium quality tools for high performance.

The premium quality tools from the **KOMET Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

Symbol explanation

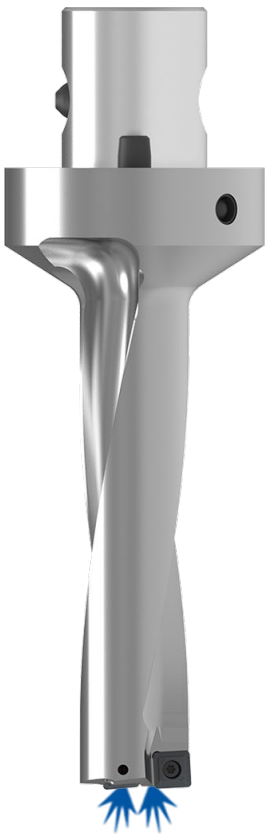
Shank

C – Cylindrical shank with clamping flat
Guarantees optimum clamping of the tool and can be clamped in every standard adapter.

K – Drill with combination shank.
This drill shank has two clamping flats (DIN 6535HE, DIN 6595) that guarantee pull-out protection and good face contact of the drill. Both Weldon and Whistle Notch adapters can be used.

ABS – Drill with ABS connection.
The ABS connection by Komet is a modular coupling system for rotating tools and stationary tools, and offers a number of advantages, such as improved force transmission.

PSC – Drill with polygonal shank.
The polygonal shank offers the best rigidity during the transmission of force from the drill to the adapter. The tapered polygonal shape easily absorbs torsional forces and bending forces.



Version

Drill with through coolant supply.
The tried-and-tested through coolant system guarantees a reduction in heat at the cutting edges of the tool as well as improved chip removal.

left-hand cutting

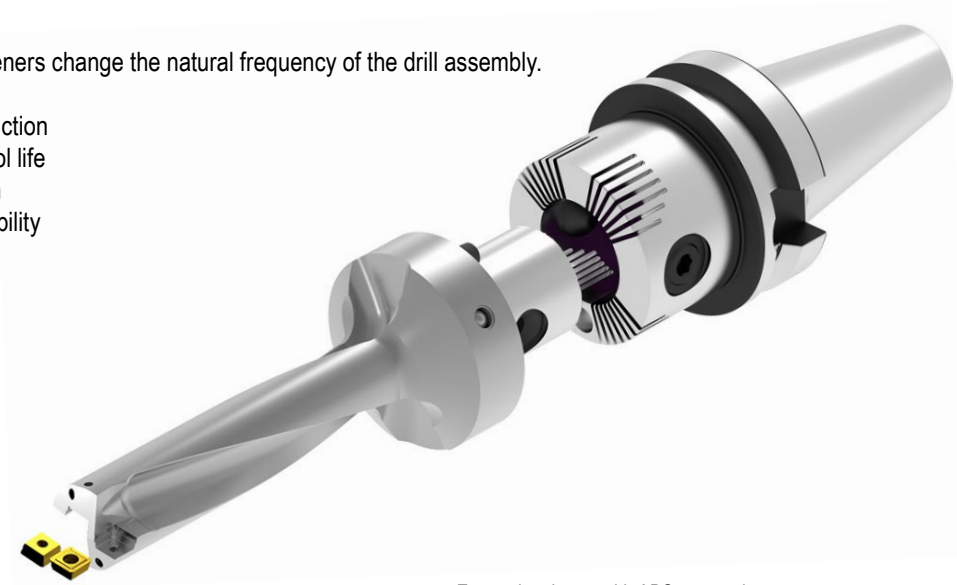
● = **Main Application**
○ = Extended application

Application tips – Torsional vibration dampeners and eccentric adjusting devices

The modular concept of the ABS connection, will allow you to easily and quickly optimize your drilling operation.
Two example of this are the torsional dampening devices and the eccentric adjusting devices.

Torsional vibration dampeners change the natural frequency of the drill assembly.
This results in:

- ▲ A significant noise reduction
- ▲ Considerably longer tool life
- ▲ Improved surface finish
- ▲ Improved process reliability



Eccentric adapter with ABS connection

Using an eccentric adapter, along with an ABS drill, you can easily vary and adjust the diameter of the hole by +/- 0.25 mm (+/- .010").

Additional metric items are available in our Online-Shop at cuttingtools.ceratizit.com and in the metric main catalog.

metric

Toolfinder

KUB Pentron
KOMET \ Performance

- ▲ The first choice for process-secure drilling under a wide variety of conditions
- ▲ Ideal for extreme machining situations

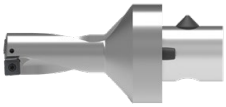
	Solid drilling	Boring	Drilling through a cross hole	Stack plate drilling	Entering on uneven surfaces	Entering on an edge	Entering on convex surfaces	Angled hole entrance	Entering on pointed contours	Chain drilling	Drilling through a center or pre-op
2xD	●	○	●	●	●	●	●	●	●	●	●
3xD	●	○	●	●	●	●	●	●	●	●	●
4xD	●	-	●	●	○	●	●	●	●	○	●
5xD	●	-	●	○	○	●	○	●	○	-	○

KUB Pentron CS
KOMET \ Performance

- ▲ Process-secure, reliable, modular system for creating large holes with a diameter of up to 96.00 mm

3xD	●	-	●	○	●	●	●	●	●	●	●

KUB Quatron
KOMET \ Performance



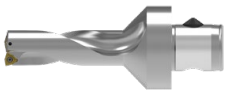
- ▲ Provides perfect drilling quality even under enormous loads
- ▲ For stable machining situations

2xD	●	○	●	●	●	○	●	●	○	●	●
3xD	●	○	●	●	●	○	●	●	○	●	●
2xD	●	○	●	●	●	○	●	●	○	●	●
3xD	●	○	●	●	●	○	●	●	○	●	●

Shank	Diameter Ø DC	Direction of cut	Page No.	Insert type		Cutting edges per insert	P Steel / M Stainless steel / K Cast iron / N Non-ferrous metals / S Heat-resistant / H Tempered steel / O Non-metal materials	Page No.
ABS	0.562–2.500 inch	R	10+11					
	14–65 mm	R	12+13					
C	0.562–1.750 inch	R	27					
	14–46 mm	R	28+29					
ABS	0.562–2.500 inch	R	14+15					
	14–65 mm	R	16+17					
PSC	0.875–1.687 inch	R	24					
	14–37 mm	R	25+26					
C	0.562–1.750 inch	R	30		SOGX	4	● ● ● ● ● ○ ○ v_c (inch) → 78 v_c (mm) → 92	42+43
	14–46 mm	R	31+32					
ABS	0.562–1.687 inch	R	18					
	14–46 mm	R	19+20					
C	0.562–1.750 inch	R	33					
	14–46 mm	R	34+35					
ABS	0.562–1.687 inch	R	21					
	14–46 mm	R	22+23					
C	0.562–1.750 inch	R	37					
	14–46 mm	R	37+38					
ABS	64–96 mm	R	39–41		SOGX	4	● ● ● ● ● ○ ○ v_c (inch) → 78 v_c (mm) → 92	42+43
ABS	0.562–2.500 inch	R						
					SOEX	4	● ● ● ● ● ○ ○	
C	0.562–1.750 inch	R						

Toolfinder

KUB Trigon
KOMET \ Performance



- Ideal for machining under unstable conditions
- Well-suited to machining on less powerful machines
- The first choice for creating dimensionally accurate holes

	Solid drilling	Boring	Drilling through a cross hole	Stack plate drilling	Entering on uneven surfaces	Entering on an edge	Entering on convex surfaces	Angled hole entrance	Entering on pointed contours	Chain drilling	Drilling through a center or pre-op
2xD	●	●	●	-	●	○	●	●	○	●	○
2.5xD	●	●	●	-	●	○	●	●	○	●	○
3xD	●	●	●	-	●	○	●	●	○	●	○
4xD	●	-	○	-	○	-	○	○	-	○	○

MaxiDrill 900
KOMET \ Standard

- Provides perfect drilling quality even under enormous loads
- Ideal for large drilling depths: The high feed rates increase productivity
- For stable machining situations

2xD 3xD	●	○	●	●	●	●	●	●	●	○	●
4xD 5xD	●	○	●	○	○	●	●	●	●	○	●

KUB Centron
KOMET \ Performance

- Cost-effective and process-secure drilling
- Hole depths up to 9xD in virtually all materials
- HSS or solid carbide center drill for optimum positioning accuracy

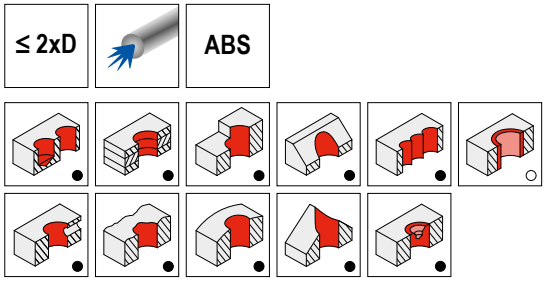
4xD	●	-	○	-	●	-	○	-	-	○	●
6xD	●	-	○	-	●	-	○	-	-	○	●
9xD	●	-	○	-	●	-	○	-	-	○	●

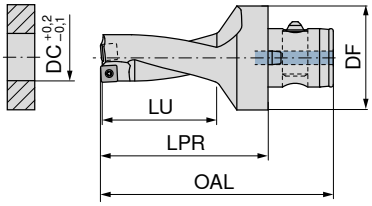
Shank	Diameter Ø DC	Direction of cut	Page No.	Insert type	Cutting edges per insert	Steel P / Stainless steel M / Cast iron K / Non-ferrous metals N / Heat-resistant S / Tempered steel H / Non-metal materials O	Page No.
ABS	0.562–3.250 inch	R	44+45				
	14–82 mm	R	46+47				
K	14–44 mm	R	57				
C	0.562–3.250 inch	R	60–62				
ABS	0.562–3.250 inch	R	49+50		WOEX 3	● ● ● ○ ● ○ ○	74+75
	14–82 mm	R	51+52			v_c (inch) → 84	
ABS	14–44 mm	L	54			v_c (mm) → 98	
K	14–44 mm	R	58				
ABS	0.562 – 1.750 inch	R	55				
	14–44 mm	R	56				
K	14–44 mm	R	59				
C	0.562 – 1.750 inch	R	63+64				
C	12–63 mm	R	 metric		SONT 2 / 4	● ● ● ○ ○	 metric
C	12–63 mm	R					
C	12–54 mm	R					
C	12–41 mm	R					
ABS	0.812–2.500 inch	R	65		WOEX 3	● ● ● ○ ● ○ ○	74+75
	20–81 mm	R	69				
ABS	0.812–2.500 inch	R	65	KUB Centron – center drills			
	20–81 mm	R	69		Ø 0.197 – 0.394 inch	● ● ● ● ○ ○	68
ABS	0.812–2.500 inch	R	65		Ø 5 – 12 mm	v_c (inch) → 90	73
	20–81 mm	R	69			v_c (mm) → 102	

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	ZEFF	torque moment Nm	
KUB-P.2D.0562.R.04-ABS50-F	U42 51430	0.562	1.969	3.504	1.181	2.283	SOGX 040204	2	0.38	14395
KUB-P.2D.0593.R.04-ABS50-F	U42 51510	0.593	1.969	3.661	1.260	2.441	SOGX 040204	2	0.38	15195
KUB-P.2D.0625.R.04-ABS50-F	U42 51590	0.625	1.969	3.661	1.260	2.441	SOGX 040204	2	0.38	15995
KUB-P.2D.0656.R.05-ABS50-F	U42 51670	0.656	1.969	3.780	1.339	2.559	SOGX 050204	2	0.62	16795
KUB-P.2D.0703.R.05-ABS50-F	U42 51790	0.703	1.969	3.858	1.417	2.638	SOGX 050204	2	0.62	17995
KUB-P.2D.0718.R.06-ABS50-F	U42 51820	0.718	1.969	3.976	1.496	2.756	SOGX 060206	2	1.01	18295
KUB-P.2D.0750.R.06-ABS50-F	U42 51910	0.750	1.969	4.055	1.575	2.835	SOGX 060206	2	1.01	19195
KUB-P.2D.0765.R.06-ABS50-F	U42 51940	0.765	1.969	4.055	1.575	2.835	SOGX 060206	2	1.01	19495
KUB-P.2D.0781.R.06-ABS50-F	U42 51980	0.781	1.969	4.055	1.575	2.835	SOGX 060206	2	1.01	19895
KUB-P.2D.0812.R.07-ABS50-F	U42 52060	0.812	1.969	4.134	1.654	2.913	SOGX 07T208	2	1.01	20695
KUB-P.2D.0843.R.07-ABS50-F	U42 52140	0.843	1.969	4.213	1.732	2.992	SOGX 07T208	2	1.01	21495
KUB-P.2D.0875.R.07-ABS50-F	U42 52220	0.875	1.969	4.291	1.811	3.071	SOGX 07T208	2	1.01	22295
KUB-P.2D.0937.R.08-ABS50-F	U42 52380	0.937	1.969	4.370	1.890	3.150	SOGX 080308	2	1.28	23895
KUB-P.2D.0968.R.08-ABS50-F	U42 52460	0.968	1.969	4.488	1.969	3.268	SOGX 080308	2	1.28	24695
KUB-P.2D.1000.R.08-ABS50-F	U42 52540	1.000	1.969	4.567	2.047	3.346	SOGX 080308	2	1.28	25495
KUB-P.2D.1031.R.09-ABS50-F	U42 52620	1.031	1.969	4.685	2.126	3.465	SOGX 09T308	2	2.25	26295
KUB-P.2D.1109.R.09-ABS50-F	U42 52820	1.109	1.969	4.882	2.283	3.661	SOGX 09T308	2	2.25	28295
KUB-P.2D.1125.R.09-ABS50-F	U42 52860	1.125	1.969	4.882	2.283	3.661	SOGX 09T308	2	2.25	28695
KUB-P.2D.1165.R.09-ABS50-F	U42 52940	1.156	1.969	4.961	2.362	3.740	SOGX 09T308	2	2.25	29495
KUB-P.2D.1187.R.10-ABS63-F	U42 63020	1.187	2.480	5.472	2.441	3.976	SOGX 100408	2	2.8	30196
KUB-P.2D.1218.R.10-ABS63-F	U42 63090	1.218	2.480	5.472	2.441	3.976	SOGX 100408	2	2.8	30996
KUB-P.2D.1250.R.10-ABS63-F	U42 63180	1.250	2.480	5.551	2.520	4.055	SOGX 100408	2	2.8	31896
KUB-P.2D.1312.R.11-ABS63-F	U42 63330	1.312	2.480	5.748	2.677	4.252	SOGX 110408	2	2.8	33396
KUB-P.2D.1328.R.11-ABS63-F	U42 63370	1.328	2.480	5.748	2.677	4.252	SOGX 110408	2	2.8	33796
KUB-P.2D.1375.R.11-ABS63-F	U42 63490	1.375	2.480	5.866	2.756	4.370	SOGX 110408	2	2.8	34996
KUB-P.2D.1406.R.11-ABS63-F	U42 63570	1.406	2.480	5.945	2.835	4.449	SOGX 110408	2	2.8	35796
KUB-P.2D.1469.R.12-ABS63-F	U42 63730	1.469	2.480	6.142	2.992	4.646	SOGX 120408	2	6.25	37396
KUB-P.2D.1500.R.12-ABS63-F	U42 63810	1.500	2.480	6.260	3.071	4.764	SOGX 120408	2	6.25	38196
KUB-P.2D.1531.R.12-ABS63-F	U42 63890	1.531	2.480	6.260	3.071	4.764	SOGX 120408	2	6.25	38996
KUB-P.2D.1562.R.12-ABS63-F	U42 63970	1.562	2.480	6.339	3.150	4.843	SOGX 120408	2	6.25	39796
KUB-P.2D.1625.R.12-ABS63-F	U42 64130	1.625	2.480	6.535	3.307	5.039	SOGX 120408	2	6.25	41396
KUB-P.2D.1656.R.13-ABS63-F	U42 64210	1.656	2.480	6.654	3.386	5.157	SOGX 130508	2	6.25	42196
KUB-P.2D.1687.R.13-ABS63-F	U42 64280	1.687	2.480	6.654	3.386	5.157	SOGX 130508	2	6.25	42896
KUB-P.2D.1781.R.13-ABS63-F	U42 64520	1.781	2.480	6.811	3.622	5.315	SOGX 130508	2	6.25	45296
KUB-P.2D.1875.R.08-ABS63-F	U42 64760	1.875	2.480	7.441	3.780	5.945	SOGX 080308	4	1.28	47696
KUB-P.2D.1937.R.08-ABS63-F	U42 64920	1.937	2.480	7.598	3.937	6.102	SOGX 080308	4	1.28	49296
KUB-P.2D.1975.R.08-ABS63-F	U42 65020	1.975	2.480	7.677	4.016	6.181	SOGX 080308	4	1.28	50296
KUB-P.2D.2000.R.08-ABS63-F	U42 65080	2.000	2.480	7.677	4.016	6.181	SOGX 080308	4	1.28	50896
KUB-P.2D.2062.R.10-ABS63-F	U42 65240	2.062	2.480	7.835	4.173	6.339	SOGX 100408	4	2.8	52496
KUB-P.2D.2250.R.10-ABS80-F	U42 75720	2.250	3.150	8.425	4.567	6.732	SOGX 100408	4	2.8	57298
KUB-P.2D.2281.R.10-ABS80-F	U42 75790	2.281	3.150	8.425	4.567	6.732	SOGX 100408	4	2.8	57998
KUB-P.2D.2375.R.10-ABS80-F	U42 76030	2.375	3.150	8.661	4.803	6.969	SOGX 100408	4	2.8	60398
KUB-P.2D.2437.R.10-ABS80-F	U42 76190	2.437	3.150	8.740	4.882	7.047	SOGX 100408	4	2.8	61998
KUB-P.2D.2500.R.10-ABS80-F	U42 76350	2.500	3.150	8.898	5.039	7.205	SOGX 100408	4	2.8	63598

		 Key		 Screwdriver		 Clamping screw	
		80 950 ...		**80 950 ...**		**10 950 ...**	
Spare parts							
DC							
0.562 - 0.625	T05 - IP	**057**				M1.8x3.8 - 05IP	**10100**
0.656 - 0.703			T06 - IP	**123**		M2.0x4.3 - 06IP	**10000**
0.718 - 0.875			T06 - IP	**123**		M2.2x5.5 - 06IP	**10700**
0.937 - 1.000			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
1.031 - 1.156			T08 - IP	**125**		M3.0x7.6 - 08IP	**10200**
1.187 - 1.406			T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**
1.469 - 1.781			T20 - IP	**129**		M4.5x10 - 20IP	**10400**
1.875 - 2.000			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
2.062 - 2.500			T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**

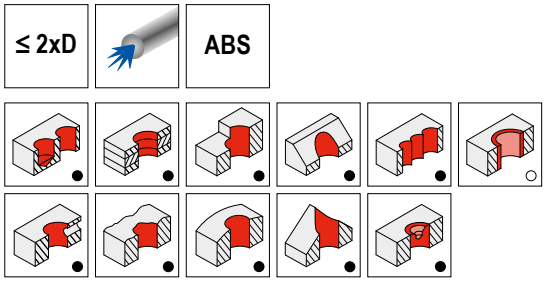
Matching holders can be found in → **Chapter 16 Adapters and accessories**

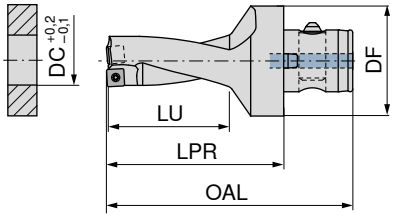
KUB Pentron – Indexable insert drill

▲ ZEFF = Number of Inserts

Scope of supply:

Indexable Insert Drill incl. clamping screws





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Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.2D.140.R.04-ABS50	U42 51400	14	50	86	28	55	SOGX 040204	2	0.38	14095
KUB-P.2D.145.R.04-ABS50	U42 51450	14.5	50	89	30	58	SOGX 040204	2	0.38	14595
KUB-P.2D.150.R.04-ABS50	U42 51500	15	50	89	30	58	SOGX 040204	2	0.38	15095
KUB-P.2D.155.R.04-ABS50	U42 51550	15.5	50	93	32	62	SOGX 040204	2	0.38	15595
KUB-P.2D.160.R.04-ABS50	U42 51600	16	50	93	32	62	SOGX 040204	2	0.38	16095
KUB-P.2D.165.R.05-ABS50	U42 51650	16.5	50	96	34	65	SOGX 050204	2	0.62	16595
KUB-P.2D.170.R.05-ABS50	U42 51700	17	50	96	34	65	SOGX 050204	2	0.62	17095
KUB-P.2D.175.R.05-ABS50	U42 51750	17.5	50	98	36	67	SOGX 050204	2	0.62	17595
KUB-P.2D.180.R.05-ABS50	U42 51800	18	50	98	36	67	SOGX 050204	2	0.62	18095
KUB-P.2D.185.R.06-ABS50	U42 51850	18.5	50	101	38	70	SOGX 060206	2	1.01	18595
KUB-P.2D.190.R.06-ABS50	U42 51900	19	50	101	38	70	SOGX 060206	2	1.01	19095
KUB-P.2D.195.R.06-ABS50	U42 51950	19.5	50	103	40	72	SOGX 060206	2	1.01	19595
KUB-P.2D.200.R.06-ABS50	U42 52000	20	50	103	40	72	SOGX 060206	2	1.01	20095
KUB-P.2D.205.R.07-ABS50	U42 52050	20.5	50	105	42	74	SOGX 07T208	2	1.01	20595
KUB-P.2D.210.R.07-ABS50	U42 52100	21	50	105	42	74	SOGX 07T208	2	1.01	21095
KUB-P.2D.215.R.07-ABS50	U42 52150	21.5	50	107	44	76	SOGX 07T208	2	1.01	21595
KUB-P.2D.220.R.07-ABS50	U42 52200	22	50	107	44	76	SOGX 07T208	2	1.01	22095
KUB-P.2D.225.R.07-ABS50	U42 52250	22.5	50	109	46	78	SOGX 07T208	2	1.01	22595
KUB-P.2D.230.R.07-ABS50	U42 52300	23	50	109	46	78	SOGX 07T208	2	1.01	23095
KUB-P.2D.235.R.08-ABS50	U42 52350	23.5	50	111	48	80	SOGX 080308	2	1.28	23595
KUB-P.2D.240.R.08-ABS50	U42 52400	24	50	111	48	80	SOGX 080308	2	1.28	24095
KUB-P.2D.245.R.08-ABS50	U42 52450	24.5	50	114	50	83	SOGX 080308	2	1.28	24595
KUB-P.2D.250.R.08-ABS50	U42 52500	25	50	114	50	83	SOGX 080308	2	1.28	25095
KUB-P.2D.255.R.08-ABS50	U42 52550	25.5	50	116	52	85	SOGX 080308	2	1.28	25595
KUB-P.2D.260.R.08-ABS50	U42 52600	26	50	116	52	85	SOGX 080308	2	1.28	26095
KUB-P.2D.265.R.09-ABS50	U42 52650	26.5	50	119	54	88	SOGX 09T308	2	2.25	26595
KUB-P.2D.270.R.09-ABS50	U42 52700	27	50	119	54	88	SOGX 09T308	2	2.25	27095
KUB-P.2D.275.R.09-ABS50	U42 52750	27.5	50	121	56	90	SOGX 09T308	2	2.25	27595
KUB-P.2D.280.R.09-ABS50	U42 52800	28	50	121	56	90	SOGX 09T308	2	2.25	28095
KUB-P.2D.285.R.09-ABS50	U42 52850	28.5	50	124	58	93	SOGX 09T308	2	2.25	28595
KUB-P.2D.290.R.09-ABS50	U42 52900	29	50	124	58	93	SOGX 09T308	2	2.25	29095
KUB-P.2D.295.R.09-ABS50	U42 52950	29.5	50	126	60	95	SOGX 09T308	2	2.25	29595
KUB-P.2D.300.R.09-ABS50	U42 53000	30	50	126	60	95	SOGX 09T308	2	2.25	30095
KUB-P.2D.305.R.10-ABS63	U42 63050	30.5	63	139	62	101	SOGX 100408	2	2.8	30596
KUB-P.2D.310.R.10-ABS63	U42 63100	31	63	139	62	101	SOGX 100408	2	2.8	31096
KUB-P.2D.315.R.10-ABS63	U42 63150	31.5	63	141	64	103	SOGX 100408	2	2.8	31596
KUB-P.2D.320.R.10-ABS63	U42 63200	32	63	141	64	103	SOGX 100408	2	2.8	32096
KUB-P.2D.325.R.10-ABS63	U42 63250	32.5	63	144	66	106	SOGX 100408	2	2.8	32596
KUB-P.2D.330.R.10-ABS63	U42 63300	33	63	144	66	106	SOGX 100408	2	2.8	33096
KUB-P.2D.335.R.11-ABS63	U42 63350	33.5	63	146	68	108	SOGX 110408	2	2.8	33596
KUB-P.2D.340.R.11-ABS63	U42 63400	34	63	146	68	108	SOGX 110408	2	2.8	34096
KUB-P.2D.345.R.11-ABS63	U42 63450	34.5	63	149	70	111	SOGX 110408	2	2.8	34596
KUB-P.2D.350.R.11-ABS63	U42 63500	35	63	149	70	111	SOGX 110408	2	2.8	35096
KUB-P.2D.355.R.11-ABS63	U42 63550	35.5	63	152	72	113	SOGX 110408	2	2.8	35596
KUB-P.2D.360.R.11-ABS63	U42 63600	36	63	152	72	113	SOGX 110408	2	2.8	36096
KUB-P.2D.365.R.11-ABS63	U42 63650	36.5	63	154	74	116	SOGX 110408	2	2.8	36596
KUB-P.2D.370.R.11-ABS63	U42 63700	37	63	154	74	116	SOGX 110408	2	2.8	37096
KUB-P.2D.375.R.12-ABS63	U42 63750	37.5	63	156	76	118	SOGX 120408	2	6.25	37596
KUB-P.2D.380.R.12-ABS63	U42 63800	38	63	156	76	118	SOGX 120408	2	6.25	38096
KUB-P.2D.385.R.12-ABS63	U42 63850	38.5	63	159	78	121	SOGX 120408	2	6.25	38596
KUB-P.2D.390.R.12-ABS63	U42 63900	39	63	159	78	121	SOGX 120408	2	6.25	39096
KUB-P.2D.395.R.12-ABS63	U42 63950	39.5	63	161	80	123	SOGX 120408	2	6.25	39596
KUB-P.2D.400.R.12-ABS63	U42 64000	40	63	161	80	123	SOGX 120408	2	6.25	40096
KUB-P.2D.405.R.12-ABS63	U42 64050	40.5	63	164	82	126	SOGX 120408	2	6.25	40596
KUB-P.2D.410.R.12-ABS63	U42 64100	41	63	164	82	126	SOGX 120408	2	6.25	41096

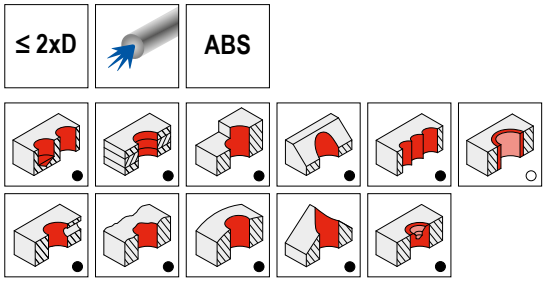
Continued on next page

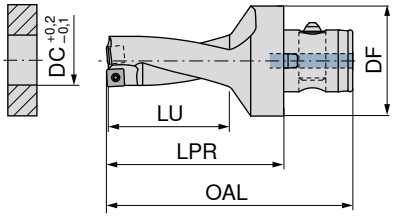
KUB Pentron – Indexable insert drill

▲ ZEFF = Number of Inserts

Scope of supply:

Indexable Insert Drill incl. clamping screws





										10 872 ...
Designation	KOMET no.	**DC** mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.2D.415.R.12-ABS63	U42 64150	**41.5**	63	166	84	128	SOGX 120408	2	6.25	**41596**
KUB-P.2D.420.R.12-ABS63	U42 64200	**42**	63	166	84	128	SOGX 120408	2	6.25	**42096**
KUB-P.2D.425.R.13-ABS63	U42 64250	**42.5**	63	169	86	131	SOGX 130508	2	6.25	**42596**
KUB-P.2D.430.R.13-ABS63	U42 64300	**43**	63	169	86	131	SOGX 130508	2	6.25	**43096**
KUB-P.2D.435.R.13-ABS63	U42 64350	**43.5**	63	171	88	133	SOGX 130508	2	6.25	**43596**
KUB-P.2D.440.R.13-ABS63	U42 64400	**44**	63	171	88	133	SOGX 130508	2	6.25	**44096**
KUB-P.2D.445.R.13-ABS63	U42 64450	**44.5**	63	174	90	136	SOGX 130508	2	6.25	**44596**
KUB-P.2D.450.R.13-ABS63	U42 64500	**45**	63	174	90	136	SOGX 130508	2	6.25	**45096**
KUB-P.2D.455.R.13-ABS63	U42 64550	**45.5**	63	173	92	135	SOGX 130508	2	6.25	**45596**
KUB-P.2D.460.R.13-ABS63	U42 64600	**46**	63	173	92	135	SOGX 130508	2	6.25	**46096**
KUB-P.2D.470.R.08-ABS63	U42 64700	**47**	63	187	94	149	SOGX 080308	4	1.28	**47096**
KUB-P.2D.480.R.08-ABS63	U42 64800	**48**	63	189	96	151	SOGX 080308	4	1.28	**48096**
KUB-P.2D.490.R.08-ABS63	U42 64900	**49**	63	191	98	153	SOGX 080308	4	1.28	**49096**
KUB-P.2D.500.R.08-ABS63	U42 65000	**50**	63	193	100	155	SOGX 080308	4	1.28	**50096**
KUB-P.2D.510.R.08-ABS63	U42 65100	**51**	63	195	102	157	SOGX 080308	4	1.28	**51096**
KUB-P.2D.520.R.08-ABS63	U42 65200	**52**	63	197	104	159	SOGX 080308	4	1.28	**52096**
KUB-P.2D.530.R.10-ABS63	U42 65300	**53**	63	199	106	161	SOGX 100408	4	2.8	**53096**
KUB-P.2D.540.R.10-ABS63	U42 65400	**54**	63	201	108	163	SOGX 100408	4	2.8	**54096**
KUB-P.2D.550.R.10-ABS80	U42 75500	**55**	80	208	110	165	SOGX 100408	4	2.8	**55098**
KUB-P.2D.560.R.10-ABS80	U42 75600	**56**	80	210	112	167	SOGX 100408	4	2.8	**56098**
KUB-P.2D.570.R.10-ABS80	U42 75700	**57**	80	212	114	169	SOGX 100408	4	2.8	**57098**
KUB-P.2D.580.R.10-ABS80	U42 75800	**58**	80	214	116	171	SOGX 100408	4	2.8	**58098**
KUB-P.2D.590.R.10-ABS80	U42 75900	**59**	80	216	118	173	SOGX 100408	4	2.8	**59098**
KUB-P.2D.600.R.10-ABS80	U42 76000	**60**	80	218	120	175	SOGX 100408	4	2.8	**60098**
KUB-P.2D.610.R.10-ABS80	U42 76100	**61**	80	220	122	177	SOGX 100408	4	2.8	**61098**
KUB-P.2D.620.R.10-ABS80	U42 76200	**62**	80	222	124	179	SOGX 100408	4	2.8	**62098**
KUB-P.2D.630.R.10-ABS80	U42 76300	**63**	80	224	126	181	SOGX 100408	4	2.8	**63098**
KUB-P.2D.640.R.10-ABS80	U42 76400	**64**	80	226	128	183	SOGX 100408	4	2.8	**64098**
KUB-P.2D.650.R.10-ABS80	U42 76500	**65**	80	228	130	185	SOGX 100408	4	2.8	**65098**

Key

Screwdriver

Clamping screw

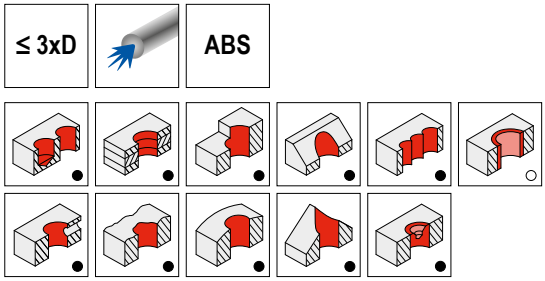
Spare parts DC							
		80 950 ...			**80 950 ...**		**10 950 ...**
14 - 16	T05 - IP	**057**				M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**		M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**		M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**		M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**		M4.5x10 - 20IP	**10400**
47 - 52			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
53 - 65			T08 - IP	**125**		M3.5x7.5 - 15IP	**10300**

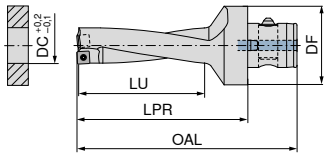
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	ZEFF	torque moment Nm	
KUB-P.3D.0562.R.04-ABS50-F	U43 51430	0.562	1.969	4.094	1.772	2.874	SOGX 040204	2	0.38	**14395**
KUB-P.3D.0593.R.04-ABS50-F	U43 51510	0.593	1.969	4.291	1.890	3.071	SOGX 040204	2	0.38	**15195**
KUB-P.3D.0625.R.04-ABS50-F	U43 51590	0.625	1.969	4.291	1.890	3.071	SOGX 040204	2	0.38	**15995**
KUB-P.3D.0656.R.05-ABS50-F	U43 51670	0.656	1.969	4.449	2.008	3.228	SOGX 050204	2	0.62	**16795**
KUB-P.3D.0703.R.05-ABS50-F	U43 51790	0.703	1.969	4.567	2.126	3.346	SOGX 050204	2	0.62	**17995**
KUB-P.3D.0718.R.06-ABS50-F	U43 51820	0.718	1.969	4.685	2.244	3.465	SOGX 060206	2	1.01	**18295**
KUB-P.3D.0750.R.06-ABS50-F	U43 51910	0.750	1.969	4.843	2.362	3.622	SOGX 060206	2	1.01	**19195**
KUB-P.3D.0765.R.06-ABS50-F	U43 51940	0.765	1.969	4.843	2.362	3.622	SOGX 060206	2	1.01	**19495**
KUB-P.3D.0781.R.06-ABS50-F	U43 51980	0.781	1.969	4.843	2.362	3.622	SOGX 060206	2	1.01	**19895**
KUB-P.3D.205.R.07-ABS50-F	U43 52060	0.812	1.969	4.961	2.480	3.740	SOGX 07T208	2	1.01	**20695**
KUB-P.3D.205.R.07-ABS50-F	U43 52140	0.843	1.969	5.079	2.598	3.858	SOGX 07T208	2	1.01	**21495**
KUB-P.3D.205.R.07-ABS50-F	U43 52220	0.875	1.969	5.197	2.717	3.976	SOGX 07T208	2	1.01	**22295**
KUB-P.3D.0937.R.08-ABS50-F	U43 52380	0.937	1.969	5.315	2.835	4.094	SOGX 080308	2	1.28	**23895**
KUB-P.3D.0968.R.08-ABS50-F	U43 52460	0.968	1.969	5.472	2.953	4.252	SOGX 080308	2	1.28	**24695**
KUB-P.3D.1000.R.08-ABS50-F	U43 52540	1.000	1.969	5.591	3.071	4.370	SOGX 080308	2	1.28	**25495**
KUB-P.3D.1031.R.09-ABS50-F	U43 52620	1.031	1.969	5.748	3.189	4.528	SOGX 09T308	2	2.25	**26295**
KUB-P.3D.1109.R.09-ABS50-F	U43 52820	1.109	1.969	6.024	3.425	4.803	SOGX 09T308	2	2.25	**28295**
KUB-P.3D.1125.R.09-ABS50-F	U43 52860	1.125	1.969	6.024	3.425	4.803	SOGX 09T308	2	2.25	**28695**
KUB-P.3D.1156.R.09-ABS50-F	U43 52940	1.156	1.969	6.142	3.543	4.921	SOGX 09T308	2	2.25	**29495**
KUB-P.3D.1187.R.11-ABS63-F	U43 63020	1.187	2.480	6.693	3.661	5.197	SOGX 100408	2	2.8	**30196**
KUB-P.3D.1218.R.11-ABS63-F	U43 63090	1.218	2.480	6.693	3.661	5.197	SOGX 100408	2	2.8	**30996**
KUB-P.3D.1250.R.11-ABS63-F	U43 63180	1.250	2.480	6.811	3.780	5.315	SOGX 100408	2	2.8	**31896**
KUB-P.3D.1312.R.11-ABS63-F	U43 63330	1.312	2.480	7.087	4.016	5.591	SOGX 110408	2	2.8	**33396**
KUB-P.3D.1328.R.11-ABS63-F	U43 63370	1.328	2.480	7.087	4.016	5.591	SOGX 110408	2	2.8	**33796**
KUB-P.3D.1375.R.11-ABS63-F	U43 63490	1.375	2.480	7.244	4.134	5.748	SOGX 110408	2	2.8	**34996**
KUB-P.3D.1406.R.11-ABS63-F	U43 63570	1.406	2.480	7.362	4.252	5.866	SOGX 110408	2	2.8	**35796**
KUB-P.3D.1469.R.12-ABS63-F	U43 63730	1.469	2.480	7.638	4.488	6.142	SOGX 120408	2	6.25	**37396**
KUB-P.3D.1500.R.12-ABS63-F	U43 63810	1.500	2.480	7.795	4.606	6.299	SOGX 120408	2	6.25	**38196**
KUB-P.3D.1531.R.12-ABS63-F	U43 63890	1.531	2.480	7.795	4.606	6.299	SOGX 120408	2	6.25	**38996**
KUB-P.3D.1562.R.12-ABS63-F	U43 63970	1.562	2.480	7.913	4.724	6.417	SOGX 120408	2	6.25	**39796**
KUB-P.3D.1625.R.12-ABS63-F	U43 64130	1.625	2.480	8.189	4.961	6.693	SOGX 120408	2	6.25	**41396**
KUB-P.3D.1656.R.13-ABS63-F	U43 64210	1.656	2.480	8.346	5.079	6.850	SOGX 130508	4	6.25	**42196**
KUB-P.3D.1687.R.13-ABS63-F	U43 64280	1.687	2.480	8.346	5.079	6.850	SOGX 130508	4	6.25	**42896**
KUB-P.3D.1781.R.13-ABS63-F	U43 64520	1.781	2.480	8.622	5.433	7.126	SOGX 130508	4	6.25	**45296**
KUB-P.3D.1875.R.08-ABS63-F	U43 64760	1.875	2.480	9.331	5.669	7.835	SOGX 080308	4	1.28	**47696**
KUB-P.3D.1937.R.08-ABS63-F	U43 64920	1.937	2.480	9.567	5.906	8.071	SOGX 080308	4	1.28	**49296**
KUB-P.3D.1975.R.08-ABS63-F	U43 65020	1.975	2.480	9.685	6.024	8.189	SOGX 080308	4	1.28	**50296**
KUB-P.3D.2000.R.08-ABS63-F	U43 65080	2.000	2.480	9.685	6.024	8.189	SOGX 080308	4	1.28	**50896**
KUB-P.3D.2062.R.10-ABS63-F	U43 65240	2.062	2.480	9.921	6.260	8.425	SOGX 100408	4	2.8	**52496**
KUB-P.3D.2250.R.10-ABS80-F	U43 75720	2.250	3.150	10.709	6.850	9.016	SOGX 100408	4	2.8	**57298**
KUB-P.3D.2281.R.10-ABS80-F	U43 75790	2.281	3.150	10.709	6.850	9.016	SOGX 100408	4	2.8	**57998**
KUB-P.3D.2375.R.10-ABS80-F	U43 76030	2.375	3.150	11.063	7.205	9.370	SOGX 100408	4	2.8	**60398**
KUB-P.3D.2437.R.10-ABS80-F	U43 76190	2.437	3.150	11.181	7.323	9.488	SOGX 100408	4	2.8	**61998**
KUB-P.3D.2500.R.10-ABS80-F	U43 76350	2.500	3.150	11.417	7.559	9.724	SOGX 100408	4	2.8	**63598**

		Key		Screwdriver		Clamping screw	
		80 950 ...		80 950 ...		10 950 ...	
Spare parts							
DC							
0.562 - 0.625	T05 - IP		**057**			M1.8x3.8 - 05IP	**10100**
0.656 - 0.703				T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
0.718 - 0.875				T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
0.937 - 1.000				T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
1.031 - 1.156				T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
1.187 - 1.406				T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
1.469 - 1.781				T20 - IP	**129**	M4.5x10 - 20IP	**10400**
1.875 - 2.000				T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
2.062 - 2.500				T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**

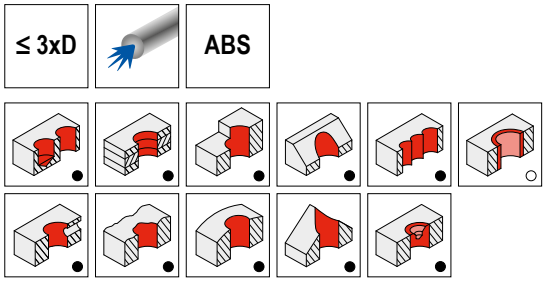
Matching holders can be found in → **Chapter 16 Adapters and accessories**

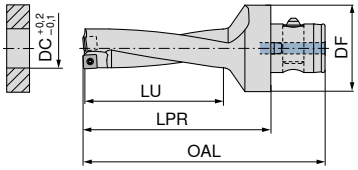
KUB Pentron – Indexable insert drill

▲ ZEFF = Number of Inserts

Scope of supply:

Indexable Insert Drill incl. clamping screws





10 873 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.3D.140.R.04-ABS50	U43 51400	14	50	100	42	69	SOGX 040204	2	0.38	14095
KUB-P.3D.145.R.04-ABS50	U43 51450	14.5	50	104	45	73	SOGX 040204	2	0.38	14595
KUB-P.3D.150.R.04-ABS50	U43 51500	15	50	104	45	73	SOGX 040204	2	0.38	15095
KUB-P.3D.155.R.04-ABS50	U43 51550	15.5	50	109	48	78	SOGX 040204	2	0.38	15595
KUB-P.3D.160.R.04-ABS50	U43 51600	16	50	109	48	78	SOGX 040204	2	0.38	16095
KUB-P.3D.165.R.05-ABS50	U43 51650	16.5	50	113	51	82	SOGX 050204	2	0.62	16595
KUB-P.3D.170.R.05-ABS50	U43 51700	17	50	113	51	82	SOGX 050204	2	0.62	17095
KUB-P.3D.175.R.05-ABS50	U43 51750	17.5	50	116	54	85	SOGX 050204	2	0.62	17595
KUB-P.3D.180.R.05-ABS50	U43 51800	18	50	116	54	85	SOGX 050204	2	0.62	18095
KUB-P.3D.185.R.06-ABS50	U43 51850	18.5	50	120	57	89	SOGX 060206	2	1.01	18595
KUB-P.3D.190.R.06-ABS50	U43 51900	19	50	120	57	89	SOGX 060206	2	1.01	19095
KUB-P.3D.195.R.06-ABS50	U43 51950	19.5	50	123	60	92	SOGX 060206	2	1.01	19595
KUB-P.3D.200.R.06-ABS50	U43 52000	20	50	123	60	92	SOGX 060206	2	1.01	20095
KUB-P.3D.205.R.07-ABS50	U43 52050	20.5	50	126	63	95	SOGX 07T208	2	1.01	20595
KUB-P.3D.210.R.07-ABS50	U43 52100	21	50	126	63	95	SOGX 07T208	2	1.01	21095
KUB-P.3D.215.R.07-ABS50	U43 52150	21.5	50	129	66	98	SOGX 07T208	2	1.01	21595
KUB-P.3D.220.R.07-ABS50	U43 52200	22	50	129	66	98	SOGX 07T208	2	1.01	22095
KUB-P.3D.225.R.07-ABS50	U43 52250	22.5	50	132	69	101	SOGX 07T208	2	1.01	22595
KUB-P.3D.230.R.07-ABS50	U43 52300	23	50	132	69	101	SOGX 07T208	2	1.01	23095
KUB-P.3D.235.R.08-ABS50	U43 52350	23.5	50	135	72	104	SOGX 080308	2	1.28	23595
KUB-P.3D.240.R.08-ABS50	U43 52400	24	50	135	72	104	SOGX 080308	2	1.28	24095
KUB-P.3D.245.R.08-ABS50	U43 52450	24.5	50	139	75	108	SOGX 080308	2	1.28	24595
KUB-P.3D.250.R.08-ABS50	U43 52500	25	50	139	75	108	SOGX 080308	2	1.28	25095
KUB-P.3D.255.R.08-ABS50	U43 52550	25.5	50	142	78	111	SOGX 080308	2	1.28	25595
KUB-P.3D.260.R.08-ABS50	U43 52600	26	50	142	78	111	SOGX 080308	2	1.28	26095
KUB-P.3D.265.R.09-ABS50	U43 52650	26.5	50	146	81	115	SOGX 09T308	2	2.25	26595
KUB-P.3D.270.R.09-ABS50	U43 52700	27	50	146	81	115	SOGX 09T308	2	2.25	27095
KUB-P.3D.275.R.09-ABS50	U43 52750	27.5	50	149	84	118	SOGX 09T308	2	2.25	27595
KUB-P.3D.280.R.09-ABS50	U43 52800	28	50	149	84	118	SOGX 09T308	2	2.25	28095
KUB-P.3D.285.R.09-ABS50	U43 52850	28.5	50	153	87	122	SOGX 09T308	2	2.25	28595
KUB-P.3D.290.R.09-ABS50	U43 52900	29	50	153	87	122	SOGX 09T308	2	2.25	29095
KUB-P.3D.295.R.09-ABS50	U43 52950	29.5	50	156	90	125	SOGX 09T308	2	2.25	29595
KUB-P.3D.300.R.09-ABS50	U43 53000	30	50	156	90	125	SOGX 09T308	2	2.25	30095
KUB-P.3D.305.R.10-ABS63	U43 63050	30.5	63	170	93	132	SOGX 100408	2	2.8	30596
KUB-P.3D.310.R.10-ABS63	U43 63100	31	63	170	93	132	SOGX 100408	2	2.8	31096
KUB-P.3D.315.R.10-ABS63	U43 63150	31.5	63	173	96	135	SOGX 100408	2	2.8	31596
KUB-P.3D.320.R.10-ABS63	U43 63200	32	63	173	96	135	SOGX 100408	2	2.8	32096
KUB-P.3D.325.R.10-ABS63	U43 63250	32.5	63	177	99	139	SOGX 100408	2	2.8	32596
KUB-P.3D.330.R.10-ABS63	U43 63300	33	63	177	99	139	SOGX 100408	2	2.8	33096
KUB-P.3D.335.R.11-ABS63	U43 63350	33.5	63	180	102	142	SOGX 110408	2	2.8	33596
KUB-P.3D.340.R.11-ABS63	U43 63400	34	63	180	102	142	SOGX 110408	2	2.8	34096
KUB-P.3D.345.R.11-ABS63	U43 63450	34.5	63	184	105	146	SOGX 110408	2	2.8	34596
KUB-P.3D.350.R.11-ABS63	U43 63500	35	63	184	105	146	SOGX 110408	2	2.8	35096
KUB-P.3D.355.R.11-ABS63	U43 63550	35.5	63	187	108	149	SOGX 110408	2	2.8	35596
KUB-P.3D.360.R.11-ABS63	U43 63600	36	63	187	108	149	SOGX 110408	2	2.8	36096
KUB-P.3D.365.R.11-ABS63	U43 63650	36.5	63	191	111	153	SOGX 110408	2	2.8	36596
KUB-P.3D.370.R.11-ABS63	U43 63700	37	63	191	111	153	SOGX 110408	2	2.8	37096
KUB-P.3D.375.R.12-ABS63	U43 63750	37.5	63	194	114	156	SOGX 120408	2	6.25	37596
KUB-P.3D.380.R.12-ABS63	U43 63800	38	63	194	114	156	SOGX 120408	2	6.25	38096
KUB-P.3D.385.R.12-ABS63	U43 63850	38.5	63	198	117	160	SOGX 120408	2	6.25	38596
KUB-P.3D.390.R.12-ABS63	U43 63900	39	63	198	117	160	SOGX 120408	2	6.25	39096
KUB-P.3D.395.R.12-ABS63	U43 63950	39.5	63	201	120	163	SOGX 120408	2	6.25	39596
KUB-P.3D.400.R.12-ABS63	U43 64000	40	63	201	120	163	SOGX 120408	2	6.25	40096
KUB-P.3D.405.R.12-ABS63	U43 64050	40.5	63	205	123	167	SOGX 120408	2	6.25	40596
KUB-P.3D.410.R.12-ABS63	U43 64100	41	63	205	123	167	SOGX 120408	2	6.25	41096

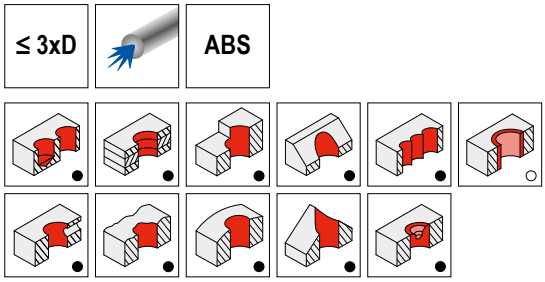
Continued on next page

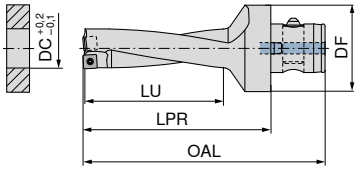
KUB Pentron – Indexable insert drill

▲ ZEFF = Number of Inserts

Scope of supply:

Indexable Insert Drill incl. clamping screws





Designation	KOMET no.	DC	DF	OAL	LU	LPR	Insert	ZEFF	torque moment	10 873 ...
		mm	mm	mm	mm	mm			Nm	
KUB-P.3D.415.R.12-ABS63	U43 64150	**41.5**	63	208	126	170	SOGX 120408	2	6.25	**41596**
KUB-P.3D.420.R.12-ABS63	U43 64200	**42**	63	208	126	170	SOGX 120408	2	6.25	**42096**
KUB-P.3D.425.R.13-ABS63	U43 64250	**42.5**	63	212	129	174	SOGX 130508	2	6.25	**42596**
KUB-P.3D.430.R.13-ABS63	U43 64300	**43**	63	212	129	174	SOGX 130508	2	6.25	**43096**
KUB-P.3D.435.R.13-ABS63	U43 64350	**43.5**	63	215	132	177	SOGX 130508	2	6.25	**43596**
KUB-P.3D.440.R.13-ABS63	U43 64400	**44**	63	215	132	177	SOGX 130508	2	6.25	**44096**
KUB-P.3D.445.R.13-ABS63	U43 64450	**44.5**	63	219	135	181	SOGX 130508	2	6.25	**44596**
KUB-P.3D.450.R.13-ABS63	U43 64500	**45**	63	219	135	181	SOGX 130508	2	6.25	**45096**
KUB-P.3D.455.R.13-ABS63	U43 64550	**45.5**	63	219	138	181	SOGX 130508	2	6.25	**45596**
KUB-P.3D.460.R.13-ABS63	U43 64600	**46**	63	219	138	181	SOGX 130508	2	6.25	**46096**
KUB-P.3D.470.R.08-ABS63	U43 64700	**47**	63	234	141	196	SOGX 080308	4	1.28	**47096**
KUB-P.3D.480.R.08-ABS63	U43 64800	**48**	63	237	144	199	SOGX 080308	4	1.28	**48096**
KUB-P.3D.490.R.08-ABS63	U43 64900	**49**	63	240	147	202	SOGX 080308	4	1.28	**49096**
KUB-P.3D.500.R.08-ABS63	U43 65000	**50**	63	243	150	205	SOGX 080308	4	1.28	**50096**
KUB-P.3D.510.R.08-ABS63	U43 65100	**51**	63	246	153	208	SOGX 080308	4	1.28	**51096**
KUB-P.3D.520.R.08-ABS63	U43 65200	**52**	63	249	156	211	SOGX 080308	4	1.28	**52096**
KUB-P.3D.530.R.10-ABS63	U43 65300	**53**	63	252	159	214	SOGX 100408	4	2.8	**53096**
KUB-P.3D.540.R.10-ABS63	U43 65400	**54**	63	255	162	217	SOGX 100408	4	2.8	**54096**
KUB-P.3D.550.R.10-ABS80	U43 75500	**55**	80	263	165	220	SOGX 100408	4	2.8	**55098**
KUB-P.3D.560.R.10-ABS80	U43 75600	**56**	80	266	168	223	SOGX 100408	4	2.8	**56098**
KUB-P.3D.570.R.10-ABS80	U43 75700	**57**	80	269	171	226	SOGX 100408	4	2.8	**57098**
KUB-P.3D.580.R.10-ABS80	U43 75800	**58**	80	272	174	229	SOGX 100408	4	2.8	**58098**
KUB-P.3D.590.R.10-ABS80	U43 75900	**59**	80	275	177	232	SOGX 100408	4	2.8	**59098**
KUB-P.3D.600.R.10-ABS80	U43 76000	**60**	80	278	180	235	SOGX 100408	4	2.8	**60098**
KUB-P.3D.610.R.10-ABS80	U43 76100	**61**	80	281	183	238	SOGX 100408	4	2.8	**61098**
KUB-P.3D.620.R.10-ABS80	U43 76200	**62**	80	284	186	241	SOGX 100408	4	2.8	**62098**
KUB-P.3D.630.R.10-ABS80	U43 76300	**63**	80	287	189	244	SOGX 100408	4	2.8	**63098**
KUB-P.3D.640.R.10-ABS80	U43 76400	**64**	80	290	192	247	SOGX 100408	4	2.8	**64098**
KUB-P.3D.650.R.10-ABS80	U43 76500	**65**	80	293	195	250	SOGX 100408	4	2.8	**65098**

Key

Screwdriver

Clamping screw

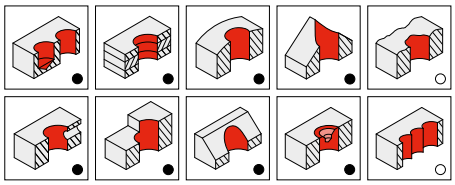
Spare parts DC		80 950 ...		80 950 ...		10 950 ...
14 - 16	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**	M4.5x10 - 20IP	**10400**
47 - 52			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
53 - 65			T08 - IP	**125**	M3.5x7.5 - 15IP	**10300**

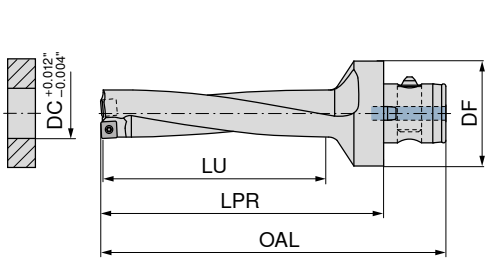
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	ZEFF	torque moment Nm	10 874 ...	15 874 ...
KUB-P.4D.0562.R.04.ABS50-F	U44 51430	0.562	1.969	4.685	2.362	3.465	SOGX 040204	2	0.38		14395
KUB-P.4D.0593.R.04.ABS50-F	U44 51510	0.593	1.969	4.921	2.520	3.701	SOGX 040204	2	0.38		15195
KUB-P.4D.0625.R.04.ABS50-F	U44 51590	0.625	1.969	4.921	2.520	3.701	SOGX 040204	2	0.38		15995
KUB-P.4D.0656.R.05.ABS50-F	U44 51670	0.656	1.969	5.118	2.677	3.898	SOGX 050204	2	0.62		16795
KUB-P.4D.0687.R.05.ABS50	U44 51750	0.689	1.969	5.276	2.835	4.055	SOGX 050204	2	0.62	17595	
KUB-P.4D.0703.R.05.ABS50-F	U44 51790	0.703	1.969	5.275	2.835	4.055	SOGX 050204	2	0.62		17995
KUB-P.4D.0750.R.06.ABS50-F	U44 51910	0.750	1.969	5.629	3.150	4.409	SOGX 060206	2	1.01		19195
KUB-P.4D.0765.R.06.ABS50-F	U44 51940	0.765	1.969	5.629	3.150	4.409	SOGX 060206	2	1.01		19495
KUB-P.4D.0781.R.06.ABS50-F	U44 51980	0.781	1.969	5.629	3.150	4.409	SOGX 060206	2	1.01		19895
KUB-P.4D.0812.R.07.ABS50-F	U44 52060	0.812	1.969	5.787	3.307	4.567	SOGX 07T208	2	1.01		20695
KUB-P.4D.0828.R.07.ABS50	U44 52100	0.827	1.969	5.787	3.307	4.567	SOGX 07T208	2	1.01	21095	
KUB-P.4D.0875.R.07.ABS50-F	U44 52220	0.875	1.969	6.102	3.622	4.882	SOGX 07T208	2	1.01		22295
KUB-P.4D.0906.R.07.ABS50	U44 52300	0.906	1.969	6.102	3.622	4.882	SOGX 07T208	2	1.01	23095	
KUB-P.4D.0937.R.08.ABS50-F	U44 52380	0.937	1.969	6.259	3.780	5.039	SOGX 080308	2	1.28		23895
KUB-P.4D.0985.R.08.ABS50	U44 52500	0.984	1.969	6.457	3.937	5.236	SOGX 080308	2	1.28	25095	
KUB-P.4D.1000.R.08.ABS50-F	U44 52540	1.000	1.969	6.614	4.094	5.394	SOGX 080308	2	1.28		25495
KUB-P.4D.1031.R.09.ABS50-F	U44 52620	1.031	1.969	6.811	4.252	5.591	SOGX 09T308	2	2.25		26295
KUB-P.4D.1062.R.09.ABS50	U44 52700	1.063	1.969	6.811	4.252	5.591	SOGX 09T308	2	2.25	27095	
KUB-P.4D.1109.R.09.ABS50-F	U44 52820	1.109	1.969	7.165	4.567	5.945	SOGX 09T308	2	2.25		28295
KUB-P.4D.1125.R.09.ABS50-F	U44 52860	1.125	1.969	7.165	4.567	5.945	SOGX 09T308	2	2.25		28695
KUB-P.4D.1156.R.09.ABS50-F	U44 52940	1.156	1.969	7.322	4.724	6.102	SOGX 09T308	2	2.25		29495
KUB-P.4D.1187.R.10.ABS63-F	U44 63020	1.187	2.480	7.913	4.882	6.417	SOGX 100408	2	2.8		30196
KUB-P.4D.1218.R.10.ABS63-F	U44 63090	1.218	2.480	7.913	4.882	6.417	SOGX 100408	2	2.8		30996
KUB-P.4D.1250.R.10.ABS63-F	U44 63180	1.250	2.480	8.071	5.039	6.575	SOGX 100408	2	2.8		31896
KUB-P.4D.1281.R.10.ABS63	U44 63250	1.280	2.480	8.268	5.197	6.772	SOGX 100408	2	2.8	32596	
KUB-P.4D.1312.R.11.ABS63-F	U44 63330	1.312	2.480	8.425	5.354	6.929	SOGX 110408	2	2.8		33396
KUB-P.4D.1328.R.11.ABS63-F	U44 63370	1.328	2.480	8.425	5.354	6.929	SOGX 110408	2	2.8		33796
KUB-P.4D.1375.R.11.ABS63-F	U44 63490	1.375	2.480	8.622	5.512	7.126	SOGX 110408	2	2.8		34996
KUB-P.4D.1437.R.11.ABS63	U44 63650	1.437	2.480	8.976	5.827	7.480	SOGX 110408	2	2.8	36596	
KUB-P.4D.1469.R.12.ABS63-F	U44 63730	1.469	2.480	9.134	5.984	7.638	SOGX 120408	2	6.25		37396
KUB-P.4D.1500.R.12.ABS63-F	U44 63810	1.500	2.480	9.331	6.142	7.835	SOGX 120408	2	6.25		38196
KUB-P.4D.1562.R.12.ABS63-F	U44 63970	1.562	2.480	9.488	6.299	7.992	SOGX 120408	2	6.25		39796
KUB-P.4D.1625.R.12.ABS63-F	U44 64130	1.625	2.480	9.842	6.614	8.346	SOGX 120408	2	6.25		41396
KUB-P.4D.1656.R.13.ABS63-F	U44 64210	1.656	2.480	10.039	6.772	8.543	SOGX 130508	2	6.25		42196
KUB-P.4D.1687.R.13.ABS63-F	U44 64290	1.687	2.480	10.039	6.772	8.543	SOGX 130508	2	6.25		42896
KUB-P.4D.1750.R.13.ABS63	U44 64450	1.752	2.480	10.394	7.087	8.898	SOGX 130508	2	6.25	44596	

Key

Screwdriver

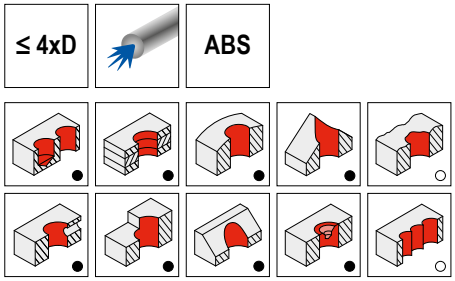
Clamping screw

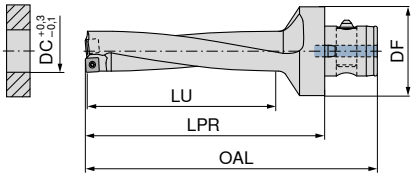
Spare parts DC	80 950 ...		80 950 ...		10 950 ...	
0.562 - 0.625	T05 - IP	057			M1.8x3.8 - 05IP	10100
0.656 - 0.703			T06 - IP	123	M2.0x4.3 - 06IP	10000
0.750 - 0.906			T06 - IP	123	M2.2x5.5 - 06IP	10700
0.937 - 1.000			T08 - IP	125	M2.5x6.3 - 08IP	10800
1.031 - 1.156			T08 - IP	125	M3.0x7.6 - 08IP	10200
1.187 - 1.437			T15 - IP	128	M3.5x7.5 - 15IP	10300
1.469 - 1.752			T20 - IP	129	M4.5x10 - 20IP	10400

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





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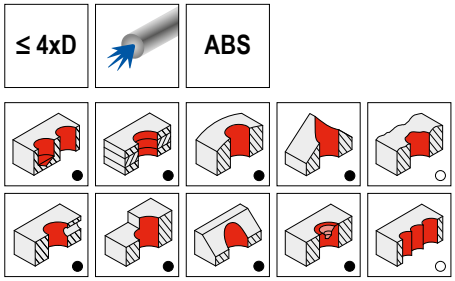
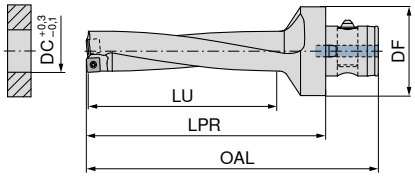
Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.4D.140.R.04-ABS50	U44 51400	14	50	114	56	83	SOGX 040204	2	0.38	14095
KUB-P.4D.145.R.04-ABS50	U44 51450	14.5	50	119	60	88	SOGX 040204	2	0.38	14595
KUB-P.4D.150.R.04-ABS50	U44 51500	15	50	119	60	88	SOGX 040204	2	0.38	15095
KUB-P.4D.155.R.04-ABS50	U44 51550	15.5	50	125	64	94	SOGX 040204	2	0.38	15595
KUB-P.4D.160.R.04-ABS50	U44 51600	16	50	125	64	94	SOGX 040204	2	0.38	16095
KUB-P.4D.165.R.05-ABS50	U44 51650	16.5	50	130	68	99	SOGX 050204	2	0.62	16595
KUB-P.4D.170.R.05-ABS50	U44 51700	17	50	130	68	99	SOGX 050204	2	0.62	17095
KUB-P.4D.175.R.05-ABS50	U44 51750	17.5	50	134	72	103	SOGX 050204	2	0.62	17595
KUB-P.4D.180.R.05-ABS50	U44 51800	18	50	134	72	103	SOGX 050204	2	0.62	18095
KUB-P.4D.185.R.06-ABS50	U44 51850	18.5	50	139	76	108	SOGX 060206	2	1.01	18595
KUB-P.4D.190.R.06-ABS50	U44 51900	19	50	139	76	108	SOGX 060206	2	1.01	19095
KUB-P.4D.195.R.06-ABS50	U44 51950	19.5	50	143	80	112	SOGX 060206	2	1.01	19595
KUB-P.4D.200.R.06-ABS50	U44 52000	20	50	143	80	112	SOGX 060206	2	1.01	20095
KUB-P.4D.205.R.07-ABS50	U44 52050	20.5	50	147	84	116	SOGX 07T208	2	1.01	20595
KUB-P.4D.210.R.07-ABS50	U44 52100	21	50	147	84	116	SOGX 07T208	2	1.01	21095
KUB-P.4D.215.R.07-ABS50	U44 52150	21.5	50	151	88	120	SOGX 07T208	2	1.01	21595
KUB-P.4D.220.R.07-ABS50	U44 52200	22	50	151	88	120	SOGX 07T208	2	1.01	22095
KUB-P.4D.225.R.07-ABS50	U44 52250	22.5	50	155	92	124	SOGX 07T208	2	1.01	22595
KUB-P.4D.230.R.07-ABS50	U44 52300	23	50	155	92	124	SOGX 07T208	2	1.01	23095
KUB-P.4D.235.R.08-ABS50	U44 52350	23.5	50	159	96	128	SOGX 080308	2	1.28	23595
KUB-P.4D.240.R.08-ABS50	U44 52400	24	50	159	96	128	SOGX 080308	2	1.28	24095
KUB-P.4D.245.R.08-ABS50	U44 52450	24.5	50	164	100	133	SOGX 080308	2	1.28	24595
KUB-P.4D.250.R.08-ABS50	U44 52500	25	50	164	100	133	SOGX 080308	2	1.28	25095
KUB-P.4D.255.R.08-ABS50	U44 52550	25.5	50	168	104	137	SOGX 080308	2	1.28	25595
KUB-P.4D.260.R.08-ABS50	U44 52600	26	50	168	104	137	SOGX 080308	2	1.28	26095
KUB-P.4D.265.R.09-ABS50	U44 52650	26.5	50	173	108	142	SOGX 09T308	2	2.25	26595
KUB-P.4D.270.R.09-ABS50	U44 52700	27	50	173	108	142	SOGX 09T308	2	2.25	27095
KUB-P.4D.275.R.09-ABS50	U44 52750	27.5	50	177	112	146	SOGX 09T308	2	2.25	27595
KUB-P.4D.280.R.09-ABS50	U44 52800	28	50	177	112	146	SOGX 09T308	2	2.25	28095
KUB-P.4D.285.R.09-ABS50	U44 52850	28.5	50	182	116	151	SOGX 09T308	2	2.25	28595
KUB-P.4D.290.R.09-ABS50	U44 52900	29	50	182	116	151	SOGX 09T308	2	2.25	29095
KUB-P.4D.295.R.09-ABS50	U44 52950	29.5	50	186	120	155	SOGX 09T308	2	2.25	29595
KUB-P.4D.300.R.09-ABS50	U44 53000	30	50	186	120	155	SOGX 09T308	2	2.25	30095
KUB-P.4D.305.R.10-ABS63	U44 63050	30.5	63	201	124	163	SOGX 100408	2	2.8	30596
KUB-P.4D.310.R.10-ABS63	U44 63100	31	63	201	124	163	SOGX 100408	2	2.8	31096
KUB-P.4D.315.R.10-ABS63	U44 63150	31.5	63	205	128	167	SOGX 100408	2	2.8	31596
KUB-P.4D.320.R.10-ABS63	U44 63200	32	63	205	128	167	SOGX 100408	2	2.8	32096
KUB-P.4D.325.R.10-ABS63	U44 63250	32.5	63	210	132	172	SOGX 100408	2	2.8	32596
KUB-P.4D.330.R.10-ABS63	U44 63300	33	63	210	132	172	SOGX 100408	2	2.8	33096
KUB-P.4D.335.R.11-ABS63	U44 63350	33.5	63	214	136	176	SOGX 110408	2	2.8	33596
KUB-P.4D.340.R.11-ABS63	U44 63400	34	63	214	136	176	SOGX 110408	2	2.8	34096
KUB-P.4D.345.R.11-ABS63	U44 63450	34.5	63	219	140	181	SOGX 110408	2	2.8	34596
KUB-P.4D.350.R.11-ABS63	U44 63500	35	63	219	140	181	SOGX 110408	2	2.8	35096
KUB-P.4D.355.R.11-ABS63	U44 63550	35.5	63	223	144	185	SOGX 110408	2	2.8	35596
KUB-P.4D.360.R.11-ABS63	U44 63600	36	63	223	144	185	SOGX 110408	2	2.8	36096
KUB-P.4D.365.R.11-ABS63	U44 63650	36.5	63	228	148	190	SOGX 110408	2	2.8	36596
KUB-P.4D.370.R.11-ABS63	U44 63700	37	63	228	148	190	SOGX 110408	2	2.8	37096
KUB-P.4D.375.R.12-ABS63	U44 63750	37.5	63	232	152	194	SOGX 120408	2	6.25	37596
KUB-P.4D.380.R.12-ABS63	U44 63800	38	63	232	152	194	SOGX 120408	2	6.25	38096

Continued on next page

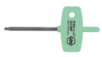
KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





										10 874 ...
Designation	KOMET no.	**DC** mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.4D.385.R.12-ABS63	U44 63850	**38.5**	63	237	156	199	SOGX 120408	2	6.25	**38596**
KUB-P.4D.390.R.12-ABS63	U44 63900	**39**	63	237	156	199	SOGX 120408	2	6.25	**39096**
KUB-P.4D.395.R.12-ABS63	U44 63950	**39.5**	63	241	160	203	SOGX 120408	2	6.25	**39596**
KUB-P.4D.400.R.12-ABS63	U44 64000	**40**	63	241	160	203	SOGX 120408	2	6.25	**40096**
KUB-P.4D.405.R.12-ABS63	U44 64050	**40.5**	63	246	164	208	SOGX 120408	2	6.25	**40596**
KUB-P.4D.410.R.12-ABS63	U44 64100	**41**	63	246	164	208	SOGX 120408	2	6.25	**41096**
KUB-P.4D.415.R.12-ABS63	U44 64150	**41.5**	63	250	168	212	SOGX 120408	2	6.25	**41596**
KUB-P.4D.420.R.12-ABS63	U44 64200	**42**	63	250	168	212	SOGX 120408	2	6.25	**42096**
KUB-P.4D.425.R.13-ABS63	U44 64250	**42.5**	63	255	172	217	SOGX 130508	2	6.25	**42596**
KUB-P.4D.430.R.13-ABS63	U44 64300	**43**	63	255	172	217	SOGX 130508	2	6.25	**43096**
KUB-P.4D.435.R.13-ABS63	U44 64350	**43.5**	63	259	176	221	SOGX 130508	2	6.25	**43596**
KUB-P.4D.440.R.13-ABS63	U44 64400	**44**	63	259	176	221	SOGX 130508	2	6.25	**44096**
KUB-P.4D.445.R.13-ABS63	U44 64450	**44.5**	63	264	180	226	SOGX 130508	2	6.25	**44596**
KUB-P.4D.450.R.13-ABS63	U44 64500	**45**	63	264	180	226	SOGX 130508	2	6.25	**45096**
KUB-P.4D.455.R.13-ABS63	U44 64550	**45.5**	63	268	184	230	SOGX 130508	2	6.25	**45596**
KUB-P.4D.460.R.13-ABS63	U44 64600	**46**	63	268	184	230	SOGX 130508	2	6.25	**46096**


Key


Screwdriver


Clamping screw

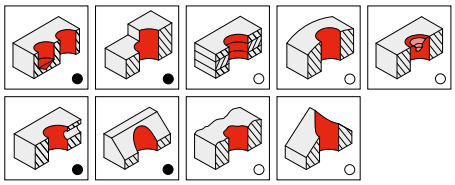
Spare parts								
DC			80 950 ...			80 950 ...		10 950 ...
14 - 16	T05 - IP	**057**				M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**		M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**		M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**		M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**		M4.5x10 - 20IP	**10400**

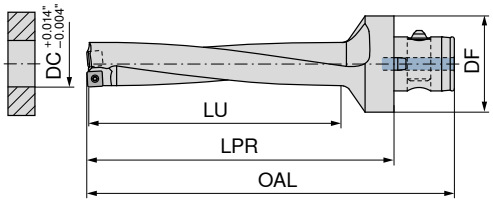
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	ZEFF	torque moment Nm	10 875 ...	15 875 ...
KUB-P.5D.0562.R.04.ABS50-F	U45 51430	0.562	1.969	5.275	2.953	4.055	SOGX 040204	2	0.38		14395
KUB-P.5D.0593.R.04.ABS50-F	U45 51510	0.593	1.969	5.551	3.150	4.331	SOGX 040204	2	0.38		15195
KUB-P.5D.0625.R.04.ABS50-F	U45 51590	0.625	1.969	5.551	3.150	4.331	SOGX 040204	2	0.38		15995
KUB-P.5D.0656.R.05.ABS50-F	U45 51670	0.656	1.969	5.787	3.346	4.567	SOGX 050204	2	0.62		16795
KUB-P.5D.0687.R.05.ABS50	U45 51750	0.689	1.969	5.984	3.543	4.764	SOGX 050204	2	0.62	17595	
KUB-P.5D.0703.R.05.ABS50-F	U45 51790	0.703	1.969	5.984	3.543	4.764	SOGX 050204	2	0.62		17995
KUB-P.5D.0750.R.06.ABS50-F	U45 51910	0.750	1.969	6.417	3.937	5.197	SOGX 060206	2	1.01		19195
KUB-P.5D.0765.R.06.ABS50-F	U45 51940	0.765	1.969	6.417	3.937	5.197	SOGX 060206	2	1.01		19495
KUB-P.5D.0781.R.06.ABS50-F	U45 51980	0.781	1.969	6.417	3.937	5.197	SOGX 060206	2	1.01		19895
KUB-P.5D.0812.R.07.ABS50-F	U45 52060	0.812	1.969	6.614	4.134	5.394	SOGX 07T208	2	1.01		20695
KUB-P.5D.0828.R.07.ABS50	U45 52100	0.827	1.969	6.614	4.134	5.394	SOGX 07T208	2	1.01	21095	
KUB-P.5D.0875.R.07.ABS50-F	U45 52220	0.875	1.969	7.007	4.528	5.787	SOGX 07T208	2	1.01		22295
KUB-P.5D.0906.R.07.ABS50	U45 52300	0.906	1.969	7.008	4.528	5.787	SOGX 07T208	2	1.01	23095	
KUB-P.5D.0937.R.08.ABS50-F	U45 52380	0.937	1.969	7.204	4.724	5.984	SOGX 080308	2	1.28		23895
KUB-P.5D.0985.R.08.ABS50	U45 52500	0.984	1.969	7.441	4.921	6.220	SOGX 080308	2	1.28	25095	
KUB-P.5D.1000.R.08.ABS50-F	U45 52540	1.000	1.969	7.637	5.118	6.417	SOGX 080308	2	1.28		25495
KUB-P.5D.1031.R.09.ABS50-F	U45 52620	1.031	1.969	7.874	5.315	6.654	SOGX 09T308	2	2.25		26295
KUB-P.5D.1062.R.09.ABS50	U45 52700	1.063	1.969	7.874	5.315	6.654	SOGX 09T308	2	2.25	27095	
KUB-P.5D.1109.R.09.ABS50-F	U45 52820	1.109	1.969	8.307	5.709	7.087	SOGX 09T308	2	2.25		28295
KUB-P.5D.1125.R.09.ABS50-F	U45 52860	1.125	1.969	8.307	5.709	7.087	SOGX 09T308	2	2.25		28695
KUB-P.5D.1156.R.09.ABS50-F	U45 52940	1.156	1.969	8.503	5.906	7.283	SOGX 09T308	2	2.25		29495
KUB-P.5D.1187.R.10.ABS63-F	U45 63020	1.187	2.480	9.134	6.102	7.638	SOGX 100408	2	2.8		30196
KUB-P.5D.1218.R.10.ABS63-F	U45 63090	1.218	2.480	9.134	6.102	7.638	SOGX 100408	2	2.8		30996
KUB-P.5D.1250.R.10.ABS63-F	U45 63180	1.250	2.480	9.331	6.299	7.835	SOGX 100408	2	2.8		31896
KUB-P.5D.1281.R.10.ABS63	U45 63250	1.280	2.480	9.567	6.496	8.071	SOGX 100408	2	2.8	32596	
KUB-P.5D.1312.R.11.ABS63-F	U45 63330	1.312	2.480	9.764	6.693	8.268	SOGX 110408	2	2.8		33396
KUB-P.5D.1328.R.11.ABS63-F	U45 63370	1.328	2.480	9.764	6.693	8.268	SOGX 110408	2	2.8		33796
KUB-P.5D.1375.R.11.ABS63-F	U45 63490	1.375	2.480	10.000	6.890	8.504	SOGX 110408	2	2.8		34996
KUB-P.5D.1437.R.11.ABS63	U45 63650	1.437	2.480	10.433	7.283	8.937	SOGX 110408	2	2.8	36596	
KUB-P.5D.1469.R.12.ABS63-F	U45 63730	1.469	2.480	10.630	7.480	9.134	SOGX 120408	2	6.25		37396
KUB-P.5D.1500.R.12.ABS63-F	U45 63810	1.500	2.480	10.866	7.677	9.370	SOGX 120408	2	6.25		38196
KUB-P.5D.1562.R.12.ABS63-F	U45 63970	1.562	2.480	11.063	7.874	9.567	SOGX 120408	2	6.25		39796
KUB-P.5D.1625.R.12.ABS63-F	U45 64130	1.625	2.480	11.496	8.268	10.000	SOGX 120408	2	6.25		41396
KUB-P.5D.1656.R.13.ABS63-F	U45 64210	1.656	2.480	11.732	8.465	10.236	SOGX 130508	2	6.25		42196
KUB-P.5D.1687.R.13.ABS63-F	U45 64290	1.687	2.480	11.732	8.465	10.236	SOGX 130508	2	6.25		42896
KUB-P.5D.1750.R.13.ABS63	U45 64450	1.752	2.480	12.165	8.858	10.669	SOGX 130508	2	6.25	44596	

Key

Screwdriver

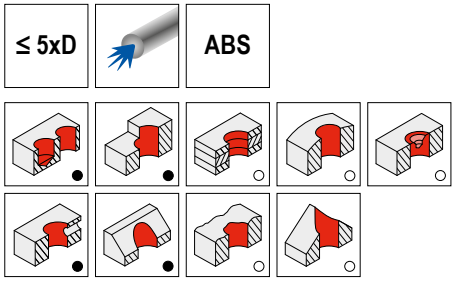
Clamping screw

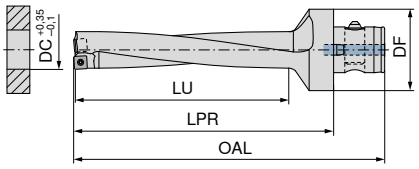
Spare parts DC	80 950 ...		80 950 ...		10 950 ...	
0.562 - 0.625	T05 - IP	057			M1.8x3.8 - 05IP	10100
0.656 - 0.703			T06 - IP	123	M2.0x4.3 - 06IP	10000
0.750 - 0.906			T06 - IP	123	M2.2x5.5 - 06IP	10700
0.984 - 1.000			T08 - IP	125	M2.5x6.3 - 08IP	10800
1.031 - 1.156			T08 - IP	125	M3.0x7.6 - 08IP	10200
1.187 - 1.437			T15 - IP	128	M3.5x7.5 - 15IP	10300
1.469 - 1.752			T20 - IP	129	M4.5x10 - 20IP	10400

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





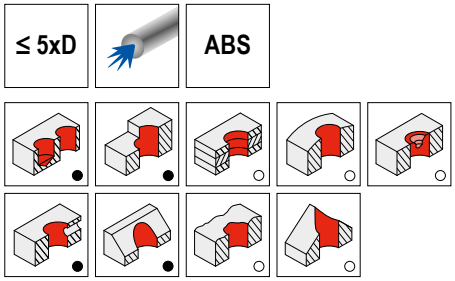
10 875 ...

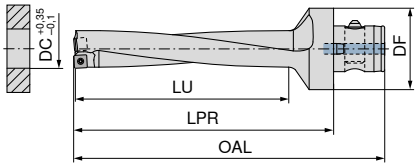
Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.5D.140.R.04-ABS50	U45 51400	14	50	128	70	97	SOGX 040204	2	0.38	14095
KUB-P.5D.145.R.04-ABS50	U45 51450	14.5	50	134	75	103	SOGX 040204	2	0.38	14595
KUB-P.5D.150.R.04-ABS50	U45 51500	15	50	134	75	103	SOGX 040204	2	0.38	15095
KUB-P.5D.155.R.04-ABS50	U45 51550	15.5	50	141	80	110	SOGX 040204	2	0.38	15595
KUB-P.5D.160.R.04-ABS50	U45 51600	16	50	141	80	110	SOGX 040204	2	0.38	16095
KUB-P.5D.165.R.05-ABS50	U45 51650	16.5	50	147	85	116	SOGX 050204	2	0.62	16595
KUB-P.5D.170.R.05-ABS50	U45 51700	17	50	147	85	116	SOGX 050204	2	0.62	17095
KUB-P.5D.175.R.05-ABS50	U45 51750	17.5	50	152	90	121	SOGX 050204	2	0.62	17595
KUB-P.5D.180.R.05-ABS50	U45 51800	18	50	152	90	121	SOGX 050204	2	0.62	18095
KUB-P.5D.185.R.06-ABS50	U45 51850	18.5	50	158	95	127	SOGX 060206	2	1.01	18595
KUB-P.5D.190.R.06-ABS50	U45 51900	19	50	158	95	127	SOGX 060206	2	1.01	19095
KUB-P.5D.195.R.06-ABS50	U45 51950	19.5	50	163	100	132	SOGX 060206	2	1.01	19595
KUB-P.5D.200.R.06-ABS50	U45 52000	20	50	163	100	132	SOGX 060206	2	1.01	20095
KUB-P.5D.205.R.07-ABS50	U45 52050	20.5	50	168	105	137	SOGX 07T208	2	1.01	20595
KUB-P.5D.210.R.07-ABS50	U45 52100	21	50	168	105	137	SOGX 07T208	2	1.01	21095
KUB-P.5D.215.R.07-ABS50	U45 52150	21.5	50	173	110	142	SOGX 07T208	2	1.01	21595
KUB-P.5D.220.R.07-ABS50	U45 52200	22	50	173	110	142	SOGX 07T208	2	1.01	22095
KUB-P.5D.225.R.07-ABS50	U45 52250	22.5	50	178	115	147	SOGX 07T208	2	1.01	22595
KUB-P.5D.230.R.07-ABS50	U45 52300	23	50	178	115	147	SOGX 07T208	2	1.01	23095
KUB-P.5D.235.R.08-ABS50	U45 52350	23.5	50	183	120	152	SOGX 080308	2	1.28	23595
KUB-P.5D.240.R.08-ABS50	U45 52400	24	50	183	120	152	SOGX 080308	2	1.28	24095
KUB-P.5D.245.R.08-ABS50	U45 52450	24.5	50	189	125	158	SOGX 080308	2	1.28	24595
KUB-P.5D.250.R.08-ABS50	U45 52500	25	50	189	125	158	SOGX 080308	2	1.28	25095
KUB-P.5D.255.R.08-ABS50	U45 52550	25.5	50	194	130	163	SOGX 080308	2	1.28	25595
KUB-P.5D.260.R.08-ABS50	U45 52600	26	50	194	130	163	SOGX 080308	2	1.28	26095
KUB-P.5D.265.R.09-ABS50	U45 52650	26.5	50	200	135	169	SOGX 09T308	2	2.25	26595
KUB-P.5D.270.R.09-ABS50	U45 52700	27	50	200	135	169	SOGX 09T308	2	2.25	27095
KUB-P.5D.275.R.09-ABS50	U45 52750	27.5	50	205	140	174	SOGX 09T308	2	2.25	27595
KUB-P.5D.280.R.09-ABS50	U45 52800	28	50	205	140	174	SOGX 09T308	2	2.25	28095
KUB-P.5D.285.R.09-ABS50	U45 52850	28.5	50	211	145	180	SOGX 09T308	2	2.25	28595
KUB-P.5D.290.R.09-ABS50	U45 52900	29	50	211	145	180	SOGX 09T308	2	2.25	29095
KUB-P.5D.295.R.09-ABS50	U45 52950	29.5	50	216	150	185	SOGX 09T308	2	2.25	29595
KUB-P.5D.300.R.09-ABS50	U45 53000	30	50	216	150	185	SOGX 09T308	2	2.25	30095
KUB-P.5D.305.R.10-ABS63	U45 63050	30.5	63	232	155	194	SOGX 100408	2	2.8	30596
KUB-P.5D.310.R.10-ABS63	U45 63100	31	63	232	155	194	SOGX 100408	2	2.8	31096
KUB-P.5D.315.R.10-ABS63	U45 63150	31.5	63	237	160	199	SOGX 100408	2	2.8	31596
KUB-P.5D.320.R.10-ABS63	U45 63200	32	63	237	160	199	SOGX 100408	2	2.8	32096
KUB-P.5D.325.R.10-ABS63	U45 63250	32.5	63	243	165	205	SOGX 100408	2	2.8	32596
KUB-P.5D.330.R.10-ABS63	U45 63300	33	63	243	165	205	SOGX 100408	2	2.8	33096
KUB-P.5D.335.R.11-ABS63	U45 63350	33.5	63	248	170	210	SOGX 110408	2	2.8	33596
KUB-P.5D.340.R.11-ABS63	U45 63400	34	63	248	170	210	SOGX 110408	2	2.8	34096
KUB-P.5D.345.R.11-ABS63	U45 63450	34.5	63	254	175	216	SOGX 110408	2	2.8	34596
KUB-P.5D.350.R.11-ABS63	U45 63500	35	63	254	175	216	SOGX 110408	2	2.8	35096
KUB-P.5D.355.R.11-ABS63	U45 63550	35.5	63	259	180	221	SOGX 110408	2	2.8	35596
KUB-P.5D.360.R.11-ABS63	U45 63600	36	63	259	180	221	SOGX 110408	2	2.8	36096
KUB-P.5D.365.R.11-ABS63	U45 63650	36.5	63	265	185	227	SOGX 110408	2	2.8	36596
KUB-P.5D.370.R.11-ABS63	U45 63700	37	63	265	185	227	SOGX 110408	2	2.8	37096
KUB-P.5D.375.R.12-ABS63	U45 63750	37.5	63	270	190	232	SOGX 120408	2	6.25	37596
KUB-P.5D.380.R.12-ABS63	U45 63800	38	63	270	190	232	SOGX 120408	2	6.25	38096

Continued on next page

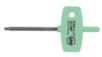
KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





										10 875 ...
Designation	KOMET no.	**DC** mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.5D.385.R.12-ABS63	U45 63850	**38.5**	63	276	195	238	SOGX 120408	2	6.25	**38596**
KUB-P.5D.390.R.12-ABS63	U45 63900	**39**	63	276	195	238	SOGX 120408	2	6.25	**39096**
KUB-P.5D.395.R.12-ABS63	U45 63950	**39.5**	63	281	200	243	SOGX 120408	2	6.25	**39596**
KUB-P.5D.400.R.12-ABS63	U45 64000	**40**	63	281	200	243	SOGX 120408	2	6.25	**40096**
KUB-P.5D.405.R.12-ABS63	U45 64050	**40.5**	63	287	205	249	SOGX 120408	2	6.25	**40596**
KUB-P.5D.410.R.12-ABS63	U45 64100	**41**	63	287	205	249	SOGX 120408	2	6.25	**41096**
KUB-P.5D.415.R.12-ABS63	U45 64150	**41.5**	63	292	210	254	SOGX 120408	2	6.25	**41596**
KUB-P.5D.420.R.12-ABS63	U45 64200	**42**	63	292	210	254	SOGX 120408	2	6.25	**42096**
KUB-P.5D.425.R.13-ABS63	U45 64250	**42.5**	63	298	215	260	SOGX 130508	2	6.25	**42596**
KUB-P.5D.430.R.13-ABS63	U45 64300	**43**	63	298	215	260	SOGX 130508	2	6.25	**43096**
KUB-P.5D.435.R.13-ABS63	U45 64350	**43.5**	63	303	220	265	SOGX 130508	2	6.25	**43596**
KUB-P.5D.440.R.13-ABS63	U45 64400	**44**	63	303	220	265	SOGX 130508	2	6.25	**44096**
KUB-P.5D.445.R.13-ABS63	U45 64450	**44.5**	63	309	225	271	SOGX 130508	2	6.25	**44596**
KUB-P.5D.450.R.13-ABS63	U45 64500	**45**	63	309	225	271	SOGX 130508	2	6.25	**45096**
KUB-P.5D.455.R.13-ABS63	U45 64550	**45.5**	63	314	230	276	SOGX 130508	2	6.25	**45596**
KUB-P.5D.460.R.13-ABS63	U45 64600	**46**	63	314	230	276	SOGX 130508	2	6.25	**46096**


Key


Screwdriver

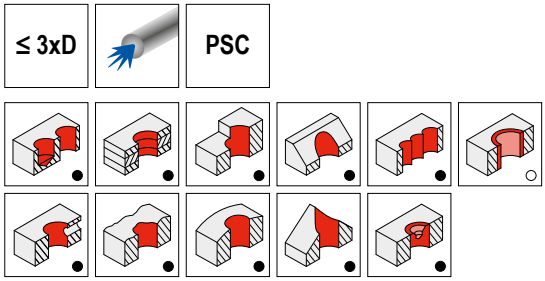

Clamping screw

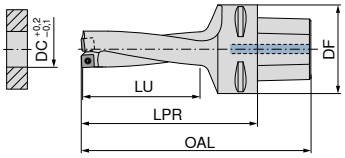
Spare parts								
			80 950 ...			**80 950 ...**		**10 950 ...**
DC								
14 - 16	T05 - IP	**057**					M1.8x3.8 - 05IP	**10100**
16.5 - 18				T06 - IP	**123**		M2.0x4.3 - 06IP	**10000**
18.5 - 23				T06 - IP	**123**		M2.2x5.5 - 06IP	**10700**
23.5 - 26				T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
26.5 - 30				T08 - IP	**125**		M3.0x7.6 - 08IP	**10200**
30.5 - 37				T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**
37.5 - 46				T20 - IP	**129**		M4.5x10 - 20IP	**10400**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





15 873 ...

Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	ZEFF	torque moment Nm	
KUB-P.3D.0875.R.07-PSC63-F	U40 72220	0.875	2.480	5.709	2.598	4.213	SOGX 07T208	2	1.01	**22256**
KUB-P.3D.0875.R.07-PSC50-F	U40 62220	0.875	1.969	5.394	2.717	4.213	SOGX 07T208	2	1.01	**22255**
KUB-P.3D.0937.R.08-PSC63-F	U40 72380	0.937	2.480	5.984	2.835	4.488	SOGX 080308	2	1.28	**23856**
KUB-P.3D.0937.R.08-PSC50-F	U40 62380	0.937	1.969	5.512	2.835	4.331	SOGX 080308	2	1.28	**23855**
KUB-P.3D.1000.R.08-PSC63-F	U40 72540	1.000	2.480	6.260	3.071	4.764	SOGX 080308	2	1.28	**25456**
KUB-P.3D.1000.R.08-PSC50-F	U40 62540	1.000	1.969	5.787	3.071	4.606	SOGX 080308	2	1.28	**25455**
KUB-P.3D.1250.R.10-PSC50-F	U40 63180	1.250	1.969	6.614	3.780	5.433	SOGX 100408	2	2.8	**31855**
KUB-P.3D.1500.R.10-PSC63-F	U40 73180	1.250	2.480	7.087	3.780	5.591	SOGX 100408	2	2.8	**31856**
KUB-P.3D.1500.R.12-PSC63-F	U40 73810	1.500	2.480	8.071	4.606	6.575	SOGX 120408	2	6.25	**38156**
KUB-P.3D.1500.R.12-PSC50-F	U40 63810	1.500	1.969	7.598	4.606	6.417	SOGX 120408	2	6.25	**38155**
KUB-P.3D.1563.R.12-PSC63-F	U40 73970	1.563	2.480	8.189	4.724	6.693	SOGX 120408	2	6.25	**39756**
KUB-P.3D.1563.R.12-PSC50-F	U40 63970	1.563	1.969	7.717	4.724	6.535	SOGX 120408	2	6.25	**39755**
KUB-P.3D.1687.R.13-PSC63-F	U40 74290	1.687	2.480	8.622	5.079	7.126	SOGX 130508	2	6.25	**42856**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

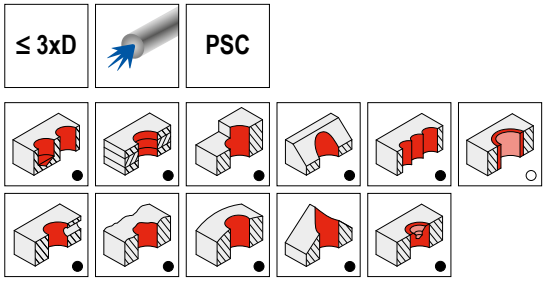
Spare parts DC				
0.875	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
0.937 - 1.000	T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
1.250	T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
1.500 - 1.687	T20 - IP	**129**	M4.5x10 - 20IP	**10400**

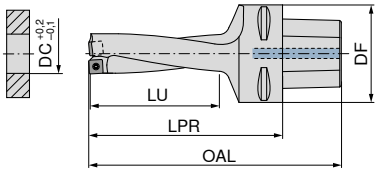
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





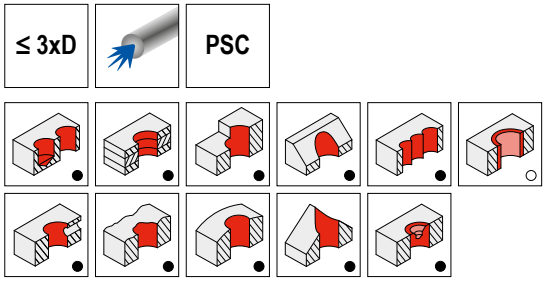
10 873 ...

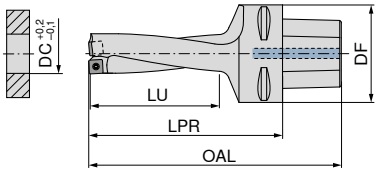
Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	ZEFF	torque moment Nm	
KUB-P.3D.140.R.04-PSC50	U40 61400	14	50	103	42	73	SOGX 040204	2	0.38	14055
KUB-P.3D.145.R.04-PSC50	U40 61450	14.5	50	107	45	77	SOGX 040204	2	0.38	14555
KUB-P.3D.150.R.04-PSC50	U40 61500	15	50	107	45	77	SOGX 040204	2	0.38	15055
KUB-P.3D.155.R.04-PSC50	U40 61550	15.5	50	112	48	82	SOGX 040204	2	0.38	15555
KUB-P.3D.160.R.04-PSC50	U40 61600	16	50	112	48	82	SOGX 040204	2	0.38	16055
KUB-P.3D.160.R.04-PSC63	U40 71600	16	63	124	48	86	SOGX 040204	2	0.38	16056
KUB-P.3D.165.R.05-PSC50	U40 61650	16.5	50	116	51	86	SOGX 050204	2	0.62	16555
KUB-P.3D.170.R.05-PSC50	U40 61700	17	50	116	51	86	SOGX 050204	2	0.62	17055
KUB-P.3D.175.R.05-PSC50	U40 61750	17.5	50	119	54	89	SOGX 050204	2	0.62	17555
KUB-P.3D.180.R.05-PSC50	U40 61800	18	50	119	54	89	SOGX 050204	2	0.62	18055
KUB-P.3D.165.R.05-PSC63	U40 71650	16.5	63	128	51	90	SOGX 050204	2	0.62	16556
KUB-P.3D.170.R.05-PSC63	U40 71700	17	63	128	51	90	SOGX 050204	2	0.62	17056
KUB-P.3D.175.R.05-PSC63	U40 71750	17.5	63	131	54	93	SOGX 050204	2	0.62	17556
KUB-P.3D.180.R.05-PSC63	U40 71800	18	63	131	54	93	SOGX 050204	2	0.62	18056
KUB-P.3D.185.R.06-PSC50	U40 61850	18.5	50	123	57	93	SOGX 060206	2	1.01	18555
KUB-P.3D.190.R.06-PSC50	U40 61900	19	50	123	57	93	SOGX 060206	2	1.01	19055
KUB-P.3D.195.R.06-PSC50	U40 61950	19.5	50	126	60	96	SOGX 060206	2	1.01	19555
KUB-P.3D.200.R.06-PSC50	U40 62000	20	50	126	60	96	SOGX 060206	2	1.01	20055
KUB-P.3D.185.R.06-PSC63	U40 71850	18.5	63	135	57	97	SOGX 060206	2	1.01	18556
KUB-P.3D.190.R.06-PSC63	U40 71900	19	63	135	57	97	SOGX 060206	2	1.01	19056
KUB-P.3D.195.R.06-PSC63	U40 71950	19.5	63	138	60	100	SOGX 060206	2	1.01	19556
KUB-P.3D.200.R.06-PSC63	U40 72000	20	63	138	60	100	SOGX 060206	2	1.01	20056
KUB-P.3D.205.R.07-PSC50	U40 62050	20.5	50	130	63	100	SOGX 07T208	2	1.01	20555
KUB-P.3D.210.R.07-PSC50	U40 62100	21	50	130	63	100	SOGX 07T208	2	1.01	21055
KUB-P.3D.215.R.07-PSC50	U40 62150	21.5	50	133	66	103	SOGX 07T208	2	1.01	21555
KUB-P.3D.220.R.07-PSC50	U40 62200	22	50	133	66	103	SOGX 07T208	2	1.01	22055
KUB-P.3D.225.R.07-PSC50	U40 62250	22.5	50	137	69	107	SOGX 07T208	2	1.01	22555
KUB-P.3D.230.R.07-PSC50	U40 62300	23	50	137	69	107	SOGX 07T208	2	1.01	23055
KUB-P.3D.205.R.07-PSC63	U40 72050	20.5	63	142	63	104	SOGX 07T208	2	1.01	20556
KUB-P.3D.210.R.07-PSC63	U40 72100	21	63	142	63	104	SOGX 07T208	2	1.01	21056
KUB-P.3D.215.R.07-PSC63	U40 72150	21.5	63	145	66	107	SOGX 07T208	2	1.01	21556
KUB-P.3D.220.R.07-PSC63	U40 72200	22	63	145	66	107	SOGX 07T208	2	1.01	22056
KUB-P.3D.225.R.07-PSC63	U40 72250	22.5	63	149	69	111	SOGX 07T208	2	1.01	22556
KUB-P.3D.230.R.07-PSC63	U40 72300	23	63	149	69	111	SOGX 07T208	2	1.01	23056
KUB-P.3D.235.R.08-PSC50	U40 62350	23.5	50	140	72	110	SOGX 080308	2	1.28	23555
KUB-P.3D.240.R.08-PSC50	U40 62400	24	50	140	72	110	SOGX 080308	2	1.28	24055
KUB-P.3D.245.R.08-PSC50	U40 62450	24.5	50	144	75	114	SOGX 080308	2	1.28	24555
KUB-P.3D.250.R.08-PSC50	U40 62500	25	50	144	75	114	SOGX 080308	2	1.28	25055
KUB-P.3D.255.R.08-PSC50	U40 62550	25.5	50	147	78	117	SOGX 080308	2	1.28	25555
KUB-P.3D.260.R.08-PSC50	U40 62600	26	50	147	78	117	SOGX 080308	2	1.28	26055
KUB-P.3D.235.R.08-PSC63	U40 72350	23.5	63	152	72	114	SOGX 080308	2	1.28	23556
KUB-P.3D.240.R.08-PSC63	U40 72400	24	63	152	72	114	SOGX 080308	2	1.28	24056
KUB-P.3D.245.R.08-PSC63	U40 72450	24.5	63	156	75	118	SOGX 080308	2	1.28	24556
KUB-P.3D.250.R.08-PSC63	U40 72500	25	63	156	75	118	SOGX 080308	2	1.28	25056
KUB-P.3D.255.R.08-PSC63	U40 72550	25.5	63	159	78	121	SOGX 080308	2	1.28	25556
KUB-P.3D.260.R.08-PSC63	U40 72600	26	63	159	78	121	SOGX 080308	2	1.28	26056
KUB-P.3D.265.R.09-PSC50	U40 62650	26.5	50	151	81	121	SOGX 09T308	2	2.25	26555
KUB-P.3D.270.R.09-PSC50	U40 62700	27	50	151	81	121	SOGX 09T308	2	2.25	27055
KUB-P.3D.275.R.09-PSC50	U40 62750	27.5	50	154	84	124	SOGX 09T308	2	2.25	27555
KUB-P.3D.280.R.09-PSC50	U40 62800	28	50	154	84	124	SOGX 09T308	2	2.25	28055
KUB-P.3D.285.R.09-PSC50	U40 62850	28.5	50	158	87	128	SOGX 09T308	2	2.25	28555
KUB-P.3D.290.R.09-PSC50	U40 62900	29	50	158	87	128	SOGX 09T308	2	2.25	29055
KUB-P.3D.295.R.09-PSC50	U40 62950	29.5	50	161	90	131	SOGX 09T308	2	2.25	29555
KUB-P.3D.300.R.09-PSC50	U40 63000	30	50	161	90	131	SOGX 09T308	2	2.25	30055
KUB-P.3D.265.R.09-PSC63	U40 72650	26.5	63	163	81	125	SOGX 09T308	2	2.25	26556
KUB-P.3D.270.R.09-PSC63	U40 72700	27	63	163	81	125	SOGX 09T308	2	2.25	27056
KUB-P.3D.275.R.09-PSC63	U40 72750	27.5	63	166	84	128	SOGX 09T308	2	2.25	27556
KUB-P.3D.280.R.09-PSC63	U40 72800	28	63	166	84	128	SOGX 09T308	2	2.25	28056
KUB-P.3D.285.R.09-PSC63	U40 72850	28.5	63	170	87	132	SOGX 09T308	2	2.25	28556

Continued on next page

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





										10 873 ...
Designation	KOMET no.	**DC**	DF	OAL	LU	LPR	Insert	ZEFF	torque moment	
		mm	mm	mm	mm	mm			Nm	
KUB-P.3D.290.R.09-PSC63	U40 72900	**29**	63	170	87	132	SOGX 09T308	2	2.25	**29056**
KUB-P.3D.295.R.09-PSC63	U40 72950	**29.5**	63	173	90	135	SOGX 09T308	2	2.25	**29556**
KUB-P.3D.300.R.09-PSC63	U40 73000	**30**	63	173	90	135	SOGX 09T308	2	2.25	**30056**
KUB-P.3D.305.R.10-PSC50	U40 63050	**30.5**	50	165	98	135	SOGX 100408	2	2.8	**30555**
KUB-P.3D.310.R.10-PSC50	U40 63100	**31**	50	165	98	135	SOGX 100408	2	2.8	**31055**
KUB-P.3D.315.R.10-PSC50	U40 63150	**31.5**	50	168	101	138	SOGX 100408	2	2.8	**31555**
KUB-P.3D.320.R.10-PSC50	U40 63200	**32**	50	168	101	138	SOGX 100408	2	2.8	**32055**
KUB-P.3D.325.R.10-PSC50	U40 63250	**32.5**	50	172	104	142	SOGX 100408	2	2.8	**32555**
KUB-P.3D.330.R.10-PSC50	U40 63300	**33**	50	172	104	142	SOGX 100408	2	2.8	**33055**
KUB-P.3D.305.R.10-PSC63	U40 73050	**30.5**	63	177	98	139	SOGX 100408	2	2.8	**30556**
KUB-P.3D.310.R.10-PSC63	U40 73100	**31**	63	177	98	139	SOGX 100408	2	2.8	**31056**
KUB-P.3D.315.R.10-PSC63	U40 73150	**31.5**	63	180	101	142	SOGX 100408	2	2.8	**31556**
KUB-P.3D.320.R.10-PSC63	U40 73200	**32**	63	180	101	142	SOGX 100408	2	2.8	**32056**
KUB-P.3D.325.R.10-PSC63	U40 73250	**32.5**	63	184	104	146	SOGX 100408	2	2.8	**32556**
KUB-P.3D.330.R.10-PSC63	U40 73300	**33**	63	184	104	146	SOGX 100408	2	2.8	**33056**
KUB-P.3D.335.R.11-PSC50	U40 63350	**33.5**	50	175	107	145	SOGX 110408	2	2.8	**33555**
KUB-P.3D.340.R.11-PSC50	U40 63400	**34**	50	175	107	145	SOGX 110408	2	2.8	**34055**
KUB-P.3D.345.R.11-PSC50	U40 63450	**34.5**	50	179	110	149	SOGX 110408	2	2.8	**34555**
KUB-P.3D.350.R.11-PSC50	U40 63500	**35**	50	179	110	149	SOGX 110408	2	2.8	**35055**
KUB-P.3D.355.R.11-PSC50	U40 63550	**35.5**	50	182	113	152	SOGX 110408	2	2.8	**35555**
KUB-P.3D.360.R.11-PSC50	U40 63600	**36**	50	182	113	152	SOGX 110408	2	2.8	**36055**
KUB-P.3D.365.R.11-PSC50	U40 63650	**36.5**	50	186	116	156	SOGX 110408	2	2.8	**36555**
KUB-P.3D.370.R.11-PSC50	U40 63700	**37**	50	186	116	156	SOGX 110408	2	2.8	**37055**
KUB-P.3D.335.R.11-PSC63	U40 73350	**33.5**	63	187	107	149	SOGX 110408	2	2.8	**33556**
KUB-P.3D.340.R.11-PSC63	U40 73400	**34**	63	187	107	149	SOGX 110408	2	2.8	**34056**
KUB-P.3D.345.R.11-PSC63	U40 73450	**34.5**	63	191	110	153	SOGX 110408	2	2.8	**34556**
KUB-P.3D.350.R.11-PSC63	U40 73500	**35**	63	191	110	153	SOGX 110408	2	2.8	**35056**
KUB-P.3D.355.R.11-PSC63	U40 73550	**35.5**	63	194	113	156	SOGX 110408	2	2.8	**35556**
KUB-P.3D.360.R.11-PSC63	U40 73600	**36**	63	194	113	156	SOGX 110408	2	2.8	**36056**
KUB-P.3D.365.R.11-PSC63	U40 73650	**36.5**	63	198	116	160	SOGX 110408	2	2.8	**36556**
KUB-P.3D.370.R.11-PSC63	U40 73700	**37**	63	198	116	160	SOGX 110408	2	2.8	**37056**


Key


Screwdriver


Clamping screw

Spare parts							
		80 950 ...			**80 950 ...**		**10 950 ...**
DC							
14 - 16	T05 - IP	**057**				M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**		M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**		M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**		M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**		M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**		M3.5x7.5 - 15IP	**10300**

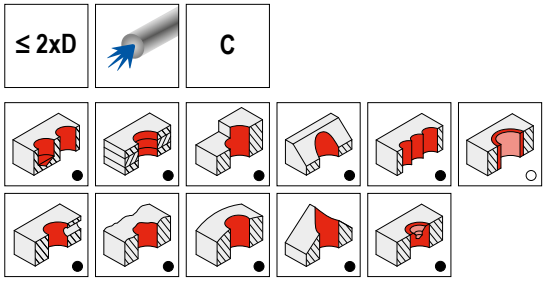
Matching holders can be found in → **Chapter 16 Adapters and accessories**

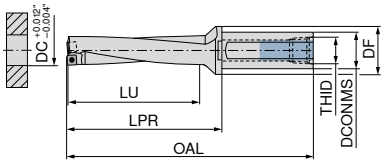
KUB Pentron – Size PSC 40 available on request.

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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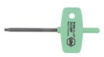
Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-P.2D.0562.R.04-C20-F	U42 81430	0.562	0.750	1.180	3.982	1.181	1.732	1/4" NPT	SOGX 040204	0.38	14309
KUB-P.2D.0593.R.04-C20-F	U42 81510	0.593	0.750	1.180	4.140	1.260	1.890	1/4" NPT	SOGX 040204	0.38	15109
KUB-P.2D.0625.R.04-C20-F	U42 81590	0.625	0.750	1.180	4.140	1.260	1.890	1/4" NPT	SOGX 040204	0.38	15909
KUB-P.2D.0656.R.05-C20-F	U42 81670	0.656	0.750	1.180	4.258	1.339	2.008	1/4" NPT	SOGX 050204	0.62	16709
KUB-P.2D.0687.R.05-C25-EF	U42 81740	0.687	1.000	1.180	5.337	1.417	2.087	3/8" NPT	SOGX 050204	0.62	17500
KUB-P.2D.0703.R.05-C25-EF	U42 81790	0.703	1.000	1.180	5.337	1.417	2.087	3/8" NPT	SOGX 050204	0.62	17900
KUB-P.2D.0718.R.06-C1000-EF	U42 81820	0.718	1.000	1.180	5.455	1.496	2.205	3/8" NPT	SOGX 060206	1.01	18200
KUB-P.2D.0750.R.06-C1000-EF	U42 81910	0.750	1.000	1.180	5.533	1.575	2.283	3/8" NPT	SOGX 060206	1.01	19100
KUB-P.2D.0765.R.06-C1000-EF	U42 81940	0.765	1.000	1.180	5.533	1.575	2.283	3/8" NPT	SOGX 060206	1.01	19400
KUB-P.2D.0781.R.06-C1000-EF	U42 81980	0.781	1.000	1.180	5.533	1.575	2.283	3/8" NPT	SOGX 060206	1.01	19800
KUB-P.2D.0812.R.07-C1000-EF	U42 82060	0.812	1.000	1.180	5.652	1.654	2.402	3/8" NPT	SOGX 07T208	1.01	20600
KUB-P.2D.0828.R.07-C1000-EF	U42 82100	0.828	1.000	1.180	5.652	1.654	2.402	3/8" NPT	SOGX 07T208	1.01	21000
KUB-P.2D.0843.R.07-C1000-EF	U42 82140	0.843	1.000	1.180	5.730	1.732	2.480	3/8" NPT	SOGX 07T208	1.01	21400
KUB-P.2D.0872.R.07-C1000-EF	U42 82220	0.875	1.000	1.180	5.848	1.811	2.598	3/8" NPT	SOGX 07T208	1.01	22200
KUB-P.2D.0906R.07-C1000-EF	U42 82300	0.906	1.000	1.180	5.848	1.811	2.598	3/8" NPT	SOGX 07T208	1.01	23000
KUB-P.2D.0937.R.08-C1250-EF	U42 82380	0.937	1.250	1.540	5.927	1.890	2.677	1/2" NPT	SOGX 080308	1.28	23801
KUB-P.2D.0969.R.08-C1250-EF	U42 82460	0.968	1.250	1.540	6.045	1.969	2.795	1/2" NPT	SOGX 080308	1.28	24601
KUB-P.2D.0985.R.08-C1250-EF	U42 82500	0.985	1.250	1.540	6.045	1.969	2.795	1/2" NPT	SOGX 080308	1.28	25001
KUB-P.2D.1000.R.08-C1250-EF	U42 82540	1.000	1.250	1.540	6.124	2.047	2.874	1/2" NPT	SOGX 080308	1.28	25401
KUB-P.2D.1031.R.09-C1250-EF	U42 82620	1.031	1.250	1.540	6.242	2.126	2.992	1/2" NPT	SOGX 09T308	2.25	26201
KUB-P.2D.1062.R.09-C1250-EF	U42 82700	1.062	1.250	1.540	6.242	2.126	2.992	1/2" NPT	SOGX 09T308	2.25	27001
KUB-P.2D.1109.R.09-C1250-EF	U42 82820	1.109	1.250	1.540	6.439	2.283	3.189	1/2" NPT	SOGX 09T308	2.25	28201
KUB-P.2D.1125.R.09-C1250-EF	U42 82860	1.125	1.250	1.540	6.439	2.283	3.189	1/2" NPT	SOGX 09T308	2.25	28601
KUB-P.2D.1125.R.09-C1250-EF	U42 82940	1.156	1.250	1.540	6.518	2.362	3.268	1/2" NPT	SOGX 09T308	2.25	29401
KUB-P.2D.1187.R.10-C1500-EF	U42 83010	1.187	1.500	1.970	7.136	2.441	3.386	3/4" NPT	SOGX 100408	2.8	30102
KUB-P.2D.1218.R.10-C1500-EF	U42 83090	1.218	1.500	1.970	7.136	2.441	3.386	3/4" NPT	SOGX 100408	2.8	30902
KUB-P.2D.1250.R.10-C1500-EF	U42 83180	1.250	1.500	1.970	7.215	2.520	3.465	3/4" NPT	SOGX 100408	2.8	31802
KUB-P.2D.1281.R.10-C1500-EF	U42 83250	1.281	1.500	1.970	7.333	2.598	3.583	3/4" NPT	SOGX 100408	2.8	32502
KUB-P.2D.1312.R.11-C1500-EF	U42 83330	1.312	1.500	1.970	7.411	2.677	3.661	3/4" NPT	SOGX 110408	2.8	33302
KUB-P.2D.1328.R.11-C1500-EF	U42 83370	1.328	1.500	1.970	7.411	2.677	3.661	3/4" NPT	SOGX 110408	2.8	33702
KUB-P.2D.1375.R.11-C1500-EF	U42 83490	1.375	1.500	1.970	7.530	2.756	3.780	3/4" NPT	SOGX 110408	2.8	34902
KUB-P.2D.1406.R.11-C1500-EF	U42 83570	1.406	1.500	1.970	7.608	2.835	3.858	3/4" NPT	SOGX 110408	2.8	35702
KUB-P.2D.1437.R.11-C1500-EF	U42 83650	1.437	1.500	1.970	7.726	2.913	3.976	3/4" NPT	SOGX 110408	2.8	36502
KUB-P.2D.1469.R.12-C1500-EF	U42 83730	1.469	1.500	1.970	7.805	2.992	4.055	3/4" NPT	SOGX 120408	6.25	37302
KUB-P.2D.1500.R.12-C1500-EF	U42 83810	1.500	1.500	1.970	7.923	3.071	4.173	3/4" NPT	SOGX 120408	6.25	38102
KUB-P.2D.1531.R.12-C1500-EF	U42 83890	1.531	1.500	1.970	7.923	3.071	4.173	3/4" NPT	SOGX 120408	6.25	38902
KUB-P.2D.1562.R.12-C1500-EF	U42 83970	1.562	1.500	1.970	8.002	3.150	4.252	3/4" NPT	SOGX 120408	6.25	39702
KUB-P.2D.1625.R.12-C1500-EF	U42 84130	1.625	1.500	1.970	8.199	3.307	4.449	3/4" NPT	SOGX 120408	6.25	41302
KUB-P.2D.1656.R.13-C1500-EF	U42 84210	1.656	1.500	1.970	8.317	3.386	4.567	3/4" NPT	SOGX 130508	6.25	42102
KUB-P.2D.1687.R.13-C1500-EF	U42 84280	1.687	1.500	1.970	8.317	3.386	4.567	3/4" NPT	SOGX 130508	6.25	42802
KUB-P.2D.1750.R.13-C1500-EF	U42 84450	1.750	1.500	1.970	8.514	3.543	4.764	3/4" NPT	SOGX 130508	6.25	44502



Key

80 950 ...

Screwdriver

80 950 ...

Clamping screw

10 950 ...

Spare parts

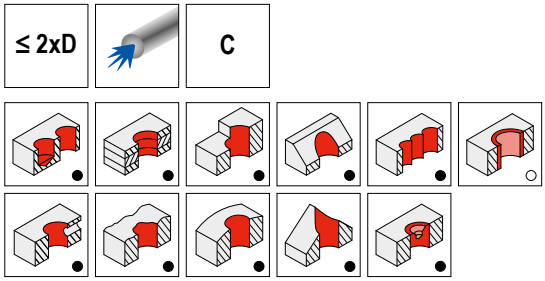
DC						
0.562 - 0.625	T05 - IP	057			M1.8x3.8 - 05IP	10100
0.656 - 0.703			T06 - IP	123	M2.0x4.3 - 06IP	10000
0.718 - 0.906			T06 - IP	123	M2.2x5.5 - 06IP	10700
0.937 - 1.000			T08 - IP	125	M2.5x6.3 - 08IP	10800
1.031 - 1.156			T08 - IP	125	M3.0x7.6 - 08IP	10200
1.187 - 1.437			T15 - IP	128	M3.5x7.5 - 15IP	10300
1.469 - 1.750			T20 - IP	129	M4.5x10 - 20IP	10400

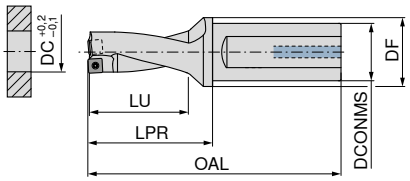
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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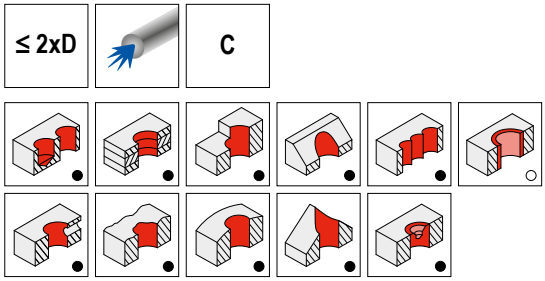
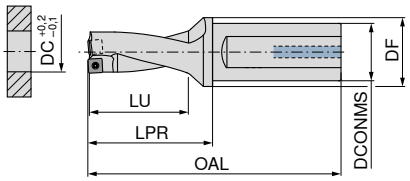
Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.2D.140.R.04-C20	U42 01400	14	20	30	91	28	41	SOGX 040204	0.38	14001
KUB-P.2D.145.R.04-C20	U42 01450	14.5	20	30	94	30	44	SOGX 040204	0.38	14501
KUB-P.2D.150.R.04-C20	U42 01500	15	20	30	94	30	44	SOGX 040204	0.38	15001
KUB-P.2D.155.R.04-C20	U42 01550	15.5	20	30	98	32	48	SOGX 040204	0.38	15501
KUB-P.2D.160.R.04-C20	U42 01600	16	20	30	98	32	48	SOGX 040204	0.38	16001
KUB-P.2D.165.R.05-C20	U42 01650	16.5	20	30	101	34	51	SOGX 050204	0.62	16501
KUB-P.2D.170.R.05-C20	U42 01700	17	20	30	101	34	51	SOGX 050204	0.62	17001
KUB-P.2D.175.R.05-C25	U42 11750	17.5	25	30	109	36	53	SOGX 050204	0.62	17502
KUB-P.2D.180.R.05-C25	U42 11800	18	25	30	109	36	53	SOGX 050204	0.62	18002
KUB-P.2D.185.R.06-C25	U42 11850	18.5	25	30	112	38	56	SOGX 060206	1.01	18502
KUB-P.2D.190.R.06-C25	U42 11900	19	25	30	112	38	56	SOGX 060206	1.01	19002
KUB-P.2D.195.R.06-C25	U42 11950	19.5	25	30	114	40	58	SOGX 060206	1.01	19502
KUB-P.2D.200.R.06-C25	U42 12000	20	25	30	114	40	58	SOGX 060206	1.01	20002
KUB-P.2D.205.R.07-C25	U42 12050	20.5	25	30	117	42	61	SOGX 07T208	1.01	20502
KUB-P.2D.210.R.07-C25	U42 12100	21	25	30	117	42	61	SOGX 07T208	1.01	21002
KUB-P.2D.215.R.07-C25	U42 12150	21.5	25	30	119	44	63	SOGX 07T208	1.01	21502
KUB-P.2D.220.R.07-C25	U42 12200	22	25	30	119	44	63	SOGX 07T208	1.01	22002
KUB-P.2D.225.R.07-C25	U42 12250	22.5	25	30	122	46	66	SOGX 07T208	1.01	22502
KUB-P.2D.230.R.07-C25	U42 12300	23	25	30	122	46	66	SOGX 07T208	1.01	23002
KUB-P.2D.235.R.08-C32	U42 22350	23.5	32	39	128	48	68	SOGX 080308	1.28	23503
KUB-P.2D.240.R.08-C32	U42 22400	24	32	39	128	48	68	SOGX 080308	1.28	24003
KUB-P.2D.245.R.08-C32	U42 22450	24.5	32	39	131	50	71	SOGX 080308	1.28	24503
KUB-P.2D.250.R.08-C32	U42 22500	25	32	39	131	50	71	SOGX 080308	1.28	25003
KUB-P.2D.255.R.08-C32	U42 22550	25.5	32	39	133	52	73	SOGX 080308	1.28	25503
KUB-P.2D.260.R.08-C32	U42 22600	26	32	39	133	52	73	SOGX 080308	1.28	26003
KUB-P.2D.265.R.09-C32	U42 22650	26.5	32	39	136	54	76	SOGX 09T308	2.25	26503
KUB-P.2D.270.R.09-C32	U42 22700	27	32	39	136	54	76	SOGX 09T308	2.25	27003
KUB-P.2D.275.R.09-C32	U42 22750	27.5	32	39	138	56	78	SOGX 09T308	2.25	27503
KUB-P.2D.280.R.09-C32	U42 22800	28	32	39	138	56	78	SOGX 09T308	2.25	28003
KUB-P.2D.285.R.09-C32	U42 22850	28.5	32	39	141	58	81	SOGX 09T308	2.25	28503
KUB-P.2D.290.R.09-C32	U42 22900	29	32	39	141	58	81	SOGX 09T308	2.25	29003
KUB-P.2D.295.R.09-C32	U42 22950	29.5	32	39	143	60	83	SOGX 09T308	2.25	29503
KUB-P.2D.300.R.09-C32	U42 23000	30	32	39	143	60	83	SOGX 09T308	2.25	30003
KUB-P.2D.305.R.10-C40	U42 33050	30.5	40	50	154	62	86	SOGX 100408	2.8	30504
KUB-P.2D.310.R.10-C40	U42 33100	31	40	50	154	62	86	SOGX 100408	2.8	31004
KUB-P.2D.315.R.10-C40	U42 33150	31.5	40	50	156	64	88	SOGX 100408	2.8	31504
KUB-P.2D.320.R.10-C40	U42 33200	32	40	50	156	64	88	SOGX 100408	2.8	32004
KUB-P.2D.325.R.10-C40	U42 33250	32.5	40	50	159	66	91	SOGX 100408	2.8	32504
KUB-P.2D.330.R.10-C40	U42 33300	33	40	50	159	66	91	SOGX 100408	2.8	33004
KUB-P.2D.335.R.11-C40	U42 33350	33.5	40	50	161	68	93	SOGX 110408	2.8	33504
KUB-P.2D.340.R.11-C40	U42 33400	34	40	50	161	68	93	SOGX 110408	2.8	34004
KUB-P.2D.345.R.11-C40	U42 33450	34.5	40	50	164	70	96	SOGX 110408	2.8	34504
KUB-P.2D.350.R.11-C40	U42 33500	35	40	50	164	70	96	SOGX 110408	2.8	35004
KUB-P.2D.355.R.11-C40	U42 33550	35.5	40	50	166	72	98	SOGX 110408	2.8	35504
KUB-P.2D.360.R.11-C40	U42 33600	36	40	50	166	72	98	SOGX 110408	2.8	36004
KUB-P.2D.365.R.11-C40	U42 33650	36.5	40	50	169	74	101	SOGX 110408	2.8	36504
KUB-P.2D.370.R.11-C40	U42 33700	37	40	50	169	74	101	SOGX 110408	2.8	37004
KUB-P.2D.375.R.12-C40	U42 33750	37.5	40	50	171	76	103	SOGX 120408	6.25	37504
KUB-P.2D.380.R.12-C40	U42 33800	38	40	50	171	76	103	SOGX 120408	6.25	38004
KUB-P.2D.385.R.12-C40	U42 33850	38.5	40	50	174	78	106	SOGX 120408	6.25	38504

Continued on next page

KUB Pentron – Indexable insert drill

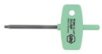
Scope of supply:
Indexable Insert Drill incl. clamping screws





10 872 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.2D.390.R.12-C40	U42 33900	**39**	40	50	174	78	106	SOGX 120408	6.25	**39004**
KUB-P.2D.395.R.12-C40	U42 33950	**39.5**	40	50	176	80	108	SOGX 120408	6.25	**39504**
KUB-P.2D.400.R.12-C40	U42 34000	**40**	40	50	176	80	108	SOGX 120408	6.25	**40004**
KUB-P.2D.405.R.12-C40	U42 34050	**40.5**	40	50	179	82	111	SOGX 120408	6.25	**40504**
KUB-P.2D.410.R.12-C40	U42 34100	**41**	40	50	179	82	111	SOGX 120408	6.25	**41004**
KUB-P.2D.415.R.12-C40	U42 34150	**41.5**	40	50	181	84	113	SOGX 120408	6.25	**41504**
KUB-P.2D.420.R.12-C40	U42 34200	**42**	40	50	181	84	113	SOGX 120408	6.25	**42004**
KUB-P.2D.425.R.13-C40	U42 34250	**42.5**	40	50	184	86	116	SOGX 130508	6.25	**42504**
KUB-P.2D.430.R.13-C40	U42 34300	**43**	40	50	184	86	116	SOGX 130508	6.25	**43004**
KUB-P.2D.435.R.13-C40	U42 34350	**43.5**	40	50	186	88	118	SOGX 130508	6.25	**43504**
KUB-P.2D.440.R.13-C40	U42 34400	**44**	40	50	186	88	118	SOGX 130508	6.25	**44004**
KUB-P.2D.445.R.13-C40	U42 34450	**44.5**	40	50	189	90	121	SOGX 130508	6.25	**44504**
KUB-P.2D.450.R.13-C40	U42 34500	**45**	40	50	189	90	121	SOGX 130508	6.25	**45004**
KUB-P.2D.455.R.13-C40	U42 34550	**45.5**	40	50	191	92	123	SOGX 130508	6.25	**45504**
KUB-P.2D.460.R.13-C40	U42 34600	**46**	40	50	191	92	123	SOGX 130508	6.25	**46004**


Key


Screwdriver


Clamping screw

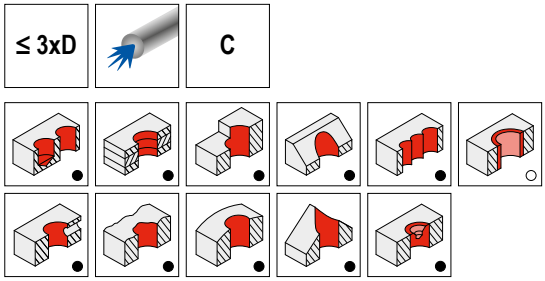
Spare parts DC							
	80 950 ...		**80 950 ...**		**10 950 ...**		
14 - 16	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**	M4.5x10 - 20IP	**10400**

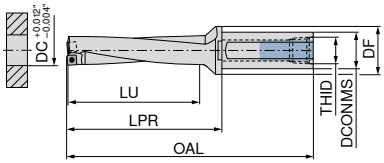
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





15 873 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-P.3D.0562.R.04-C750-EF	U43 81430	0.562	0.750	1.180	4.573	1.772	2.323	1/4" NPT	SOGX 040204	0.38	14309
KUB-P.3D.0562.R.04-C750-EF	U43 81510	0.593	0.750	1.180	4.770	1.890	2.520	1/4" NPT	SOGX 040204	0.38	15109
KUB-P.3D.0562.R.04-C750-EF	U43 81590	0.625	0.750	1.180	4.770	1.890	2.520	1/4" NPT	SOGX 040204	0.38	15909
KUB-P.3D.0656.R.05-C750-EF	U43 81670	0.656	0.750	1.180	4.927	2.008	2.677	1/4" NPT	SOGX 050204	0.62	16709
KUB-P.3D.0687.R.05-C1000-EF	U43 81740	0.687	1.000	1.180	6.045	2.126	2.795	3/8" NPT	SOGX 050204	0.62	17500
KUB-P.3D.0687.R.05-C1000-EF	U43 81790	0.703	1.000	1.180	6.045	2.126	2.795	3/8" NPT	SOGX 050204	0.62	17900
KUB-P.3D.0718.R.06-C1000-EF	U43 81820	0.718	1.000	1.180	6.203	2.244	2.953	3/8" NPT	SOGX 060206	1.01	18200
KUB-P.3D.0750.R.06-C1000-EF	U43 81910	0.750	1.000	1.180	6.321	2.362	3.071	3/8" NPT	SOGX 060206	1.01	19100
KUB-P.3D.0765.R.06-C1000-EF	U43 81940	0.765	1.000	1.180	6.321	2.362	3.071	3/8" NPT	SOGX 060206	1.01	19400
KUB-P.3D.0781.R.06-C1000-EF	U43 81980	0.781	1.000	1.180	6.321	2.362	3.071	3/8" NPT	SOGX 060206	1.01	19800
KUB-P.3D.0812.R.07-C1000-EF	U43 82060	0.812	1.000	1.180	6.478	2.480	3.228	3/8" NPT	SOGX 07T208	1.01	20600
KUB-P.3D.0828.R.07-C1000-EF	U43 82100	0.828	1.000	1.180	6.478	2.480	3.228	3/8" NPT	SOGX 07T208	1.01	21000
KUB-P.3D.0843.R.07-C1000-EF	U43 82140	0.843	1.000	1.180	6.596	2.598	3.346	3/8" NPT	SOGX 07T208	1.01	21400
KUB-P.3D.0875.R.07-C1000-EF	U43 82220	0.875	1.000	1.180	6.754	2.717	3.504	3/8" NPT	SOGX 07T208	1.01	22200
KUB-P.3D.0906.R.07-C1000-EF	U43 82300	0.906	1.000	1.180	6.754	2.717	3.504	3/8" NPT	SOGX 07T208	1.01	23000
KUB-P.3D.0937.R.08-C1250-EF	U43 82380	0.937	1.250	1.540	6.872	2.835	3.622	1/2" NPT	SOGX 080308	1.28	23801
KUB-P.3D.0968.R.08-C1250-EF	U43 82460	0.968	1.250	1.540	7.030	2.953	3.780	1/2" NPT	SOGX 080308	1.28	24601
KUB-P.3D.0985.R.08-C1250-EF	U43 82500	0.985	1.250	1.540	7.030	2.953	3.780	1/2" NPT	SOGX 080308	1.28	25001
KUB-P.3D.1000.R.08-C1250-EF	U43 82540	1.000	1.250	1.540	7.148	3.071	3.898	1/2" NPT	SOGX 080308	1.28	25401
KUB-P.3D.1031.R.09-C1250-EF	U43 82620	1.031	1.250	1.540	7.305	3.189	4.055	1/2" NPT	SOGX 09T308	2.25	26201
KUB-P.3D.1062.R.09-C1250-EF	U43 82700	1.062	1.250	1.540	7.305	3.189	4.055	1/2" NPT	SOGX 09T308	2.25	27001
KUB-P.3D.1109.R.09-C1250-EF	U43 82820	1.109	1.250	1.540	7.581	3.425	4.331	1/2" NPT	SOGX 09T308	2.25	28201
KUB-P.3D.1125.R.09-C1250-EF	U43 82860	1.125	1.250	1.540	7.581	3.425	4.331	1/2" NPT	SOGX 09T308	2.25	28601
KUB-P.3D.1156.R.09-C1250-EF	U43 82940	1.156	1.250	1.540	7.699	3.543	4.449	1/2" NPT	SOGX 09T308	2.25	29401
KUB-P.3D.1187.R.10-C1500-EF	U43 83010	1.187	1.500	1.970	8.356	3.661	4.606	3/4" NPT	SOGX 100408	2.8	30102
KUB-P.3D.1218.R.10-C1500-EF	U43 83090	1.218	1.500	1.970	8.356	3.661	4.606	3/4" NPT	SOGX 100408	2.8	30902
KUB-P.3D.1250.R.10-C1500-EF	U43 83180	1.250	1.500	1.970	8.474	3.780	4.724	3/4" NPT	SOGX 100408	2.8	31802
KUB-P.3D.1281.R.10-C1500-EF	U43 83250	1.281	1.500	1.970	8.632	3.898	4.882	3/4" NPT	SOGX 100408	2.8	32502
KUB-P.3D.1312.R.11-C1500-EF	U43 83330	1.312	1.500	1.970	8.750	4.016	5.000	3/4" NPT	SOGX 110408	2.8	33302
KUB-P.3D.1328.R.11-C1500-EF	U43 83370	1.328	1.500	1.970	8.750	4.016	5.000	3/4" NPT	SOGX 110408	2.8	33702
KUB-P.3D.1375.R.11-C1500-EF	U43 83490	1.375	1.500	1.970	8.907	4.134	5.157	3/4" NPT	SOGX 110408	2.8	34902
KUB-P.3D.1406.R.11-C1500-EF	U43 83570	1.406	1.500	1.970	9.026	4.252	5.276	3/4" NPT	SOGX 110408	2.8	35702
KUB-P.3D.1437.R.11-C1500-EF	U43 83650	1.437	1.500	1.970	9.183	4.370	5.433	3/4" NPT	SOGX 110408	2.8	36502
KUB-P.3D.1469.R.12-C1500-EF	U43 83730	1.469	1.500	1.970	9.301	4.488	5.551	3/4" NPT	SOGX 120408	6.25	37302
KUB-P.3D.1500.R.12-C1500-EF	U43 83810	1.500	1.500	1.970	9.459	4.606	5.709	3/4" NPT	SOGX 120408	6.25	38102
KUB-P.3D.1531.R.12-C1500-EF	U43 83890	1.531	1.500	1.970	9.459	4.606	5.709	3/4" NPT	SOGX 120408	6.25	38902
KUB-P.3D.1562.R.12-C1500-EF	U43 83970	1.562	1.500	1.970	9.577	4.724	5.827	3/4" NPT	SOGX 120408	6.25	39702
KUB-P.3D.1562.R.12-C1500-EF	U43 84130	1.625	1.500	1.970	9.852	4.961	6.102	3/4" NPT	SOGX 120408	6.25	41302
KUB-P.3D.1656.R.13-C1500-EF	U43 84210	1.656	1.500	1.970	8.346	5.079	6.260	3/4" NPT	SOGX 130508	6.25	42102
KUB-P.3D.1687.R.13-C1500-EF	U43 84280	1.687	1.500	1.970	8.346	5.079	6.260	3/4" NPT	SOGX 130508	6.25	42802
KUB-P.3D.1687.R.13-C1500-EF	U43 84450	1.750	1.500	1.970	8.622	5.315	6.535	3/4" NPT	SOGX 130508	6.25	44502

Key

80 950 ...

DC		
0.562 - 0.625	T05 - IP	057
0.656 - 0.703		
0.718 - 0.906		
0.937 - 1.000		
1.031 - 1.156		
1.187 - 1.437		
1.469 - 1.750		

Screwdriver

80 950 ...

T06 - IP	123
T06 - IP	123
T08 - IP	125
T08 - IP	125
T15 - IP	128
T20 - IP	129

Clamping screw

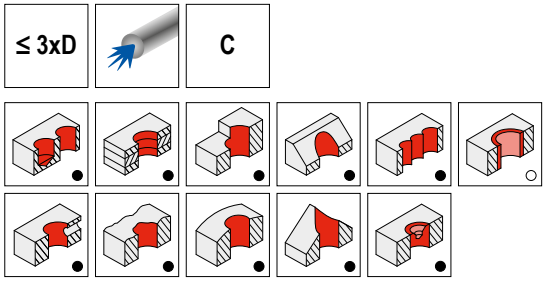
10 950 ...

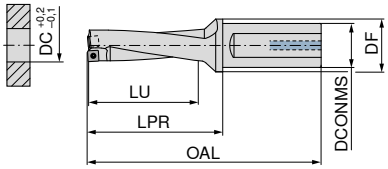
M1.8x3.8 - 05IP	10100
M2.0x4.3 - 06IP	10000
M2.2x5.5 - 06IP	10700
M2.5x6.3 - 08IP	10800
M3.0x7.6 - 08IP	10200
M3.5x7.5 - 15IP	10300
M4.5x10 - 20IP	10400

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





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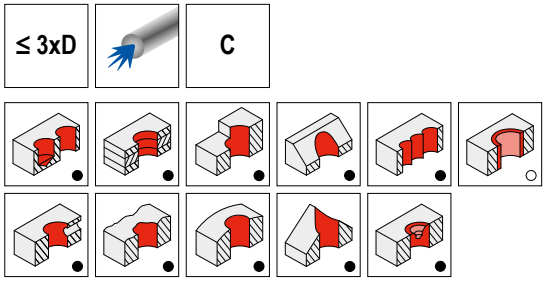
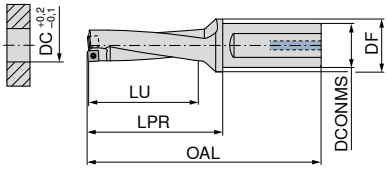
Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.3D.140.R.04-C20	U43 01400	14	20	30	105	42	55	SOGX 040204	0.38	14001
KUB-P.3D.145.R.04-C20	U43 01450	14.5	20	30	109	45	59	SOGX 040204	0.38	14501
KUB-P.3D.150.R.04-C20	U43 01500	15	20	30	109	45	59	SOGX 040204	0.38	15001
KUB-P.3D.155.R.04-C20	U43 01550	15.5	20	30	114	48	64	SOGX 040204	0.38	15501
KUB-P.3D.160.R.04-C20	U43 01600	16	20	30	114	48	64	SOGX 040204	0.38	16001
KUB-P.3D.165.R.05-C20	U43 01650	16.5	20	30	118	51	68	SOGX 050204	0.62	16501
KUB-P.3D.170.R.05-C20	U43 01700	17	20	30	118	51	68	SOGX 050204	0.62	17001
KUB-P.3D.175.R.05-C25	U43 11750	17.5	25	30	127	54	71	SOGX 050204	0.62	17501
KUB-P.3D.180.R.05-C25	U43 11800	18	25	30	127	54	71	SOGX 050204	0.62	18001
KUB-P.3D.185.R.06-C25	U43 11850	18.5	25	30	131	57	75	SOGX 060206	1.01	18501
KUB-P.3D.190.R.06-C25	U43 11900	19	25	30	131	57	75	SOGX 060206	1.01	19001
KUB-P.3D.195.R.06-C25	U43 11950	19.5	25	30	134	60	78	SOGX 060206	1.01	19501
KUB-P.3D.200.R.06-C25	U43 12000	20	25	30	134	60	78	SOGX 060206	1.01	20001
KUB-P.3D.205.R.07-C25	U43 12050	20.5	25	30	138	63	82	SOGX 07T208	1.01	20501
KUB-P.3D.210.R.07-C25	U43 12100	21	25	30	138	63	82	SOGX 07T208	1.01	21001
KUB-P.3D.215.R.07-C25	U43 12150	21.5	25	30	141	66	85	SOGX 07T208	1.01	21501
KUB-P.3D.220.R.07-C25	U43 12200	22	25	30	141	66	85	SOGX 07T208	1.01	22002
KUB-P.3D.225.R.07-C25	U43 12250	22.5	25	30	145	69	89	SOGX 07T208	1.01	22502
KUB-P.3D.230.R.07-C25	U43 12300	23	25	30	145	69	89	SOGX 07T208	1.01	23002
KUB-P.3D.235.R.08-C32	U43 22350	23.5	32	39	152	72	92	SOGX 080308	1.28	23503
KUB-P.3D.240.R.08-C32	U43 22400	24	32	39	152	72	92	SOGX 080308	1.28	24003
KUB-P.3D.245.R.08-C32	U43 22450	24.5	32	39	156	75	96	SOGX 080308	1.28	24503
KUB-P.3D.250.R.08-C32	U43 22500	25	32	39	156	75	96	SOGX 080308	1.28	25003
KUB-P.3D.255.R.08-C32	U43 22550	25.5	32	39	159	78	99	SOGX 080308	1.28	25503
KUB-P.3D.260.R.08-C32	U43 22600	26	32	39	159	78	99	SOGX 080308	1.28	26003
KUB-P.3D.265.R.09-C32	U43 22650	26.5	32	39	163	81	103	SOGX 09T308	2.25	26503
KUB-P.3D.270.R.09-C32	U43 22700	27	32	39	163	81	103	SOGX 09T308	2.25	27003
KUB-P.3D.275.R.09-C32	U43 22750	27.5	32	39	166	84	106	SOGX 09T308	2.25	27503
KUB-P.3D.280.R.09-C32	U43 22800	28	32	39	166	84	106	SOGX 09T308	2.25	28003
KUB-P.3D.285.R.09-C32	U43 22850	28.5	32	39	170	87	110	SOGX 09T308	2.25	28503
KUB-P.3D.290.R.09-C32	U43 22900	29	32	39	170	87	110	SOGX 09T308	2.25	29003
KUB-P.3D.295.R.09-C32	U43 22950	29.5	32	39	173	90	113	SOGX 09T308	2.25	29503
KUB-P.3D.300.R.09-C32	U43 23000	30	32	39	173	90	113	SOGX 09T308	2.25	30003
KUB-P.3D.305.R.10-C40	U43 33050	30.5	40	50	185	93	117	SOGX 100408	2.8	30504
KUB-P.3D.310.R.10-C40	U43 33100	31	40	50	185	93	117	SOGX 100408	2.8	31004
KUB-P.3D.315.R.10-C40	U43 33150	31.5	40	50	188	96	120	SOGX 100408	2.8	31504
KUB-P.3D.320.R.10-C40	U43 33200	32	40	50	188	96	120	SOGX 100408	2.8	32004
KUB-P.3D.325.R.10-C40	U43 33250	32.5	40	50	192	99	124	SOGX 100408	2.8	32504
KUB-P.3D.330.R.10-C40	U43 33300	33	40	50	192	99	124	SOGX 100408	2.8	33004
KUB-P.3D.335.R.11-C40	U43 33350	33.5	40	50	195	102	127	SOGX 110408	2.8	33504
KUB-P.3D.340.R.11-C40	U43 33400	34	40	50	195	102	127	SOGX 110408	2.8	34004
KUB-P.3D.345.R.11-C40	U43 33450	34.5	40	50	199	105	131	SOGX 110408	2.8	34504
KUB-P.3D.350.R.11-C40	U43 33500	35	40	50	199	105	131	SOGX 110408	2.8	35004
KUB-P.3D.355.R.11-C40	U43 33550	35.5	40	50	202	108	134	SOGX 110408	2.8	35504
KUB-P.3D.360.R.11-C40	U43 33600	36	40	50	202	108	134	SOGX 110408	2.8	36004
KUB-P.3D.365.R.11-C40	U43 33650	36.5	40	50	206	111	138	SOGX 110408	2.8	36504
KUB-P.3D.370.R.11-C40	U43 33700	37	40	50	206	111	138	SOGX 110408	2.8	37004
KUB-P.3D.375.R.12-C40	U43 33750	37.5	40	50	209	114	141	SOGX 120408	6.25	37504
KUB-P.3D.380.R.12-C40	U43 33800	38	40	50	209	114	141	SOGX 120408	6.25	38004
KUB-P.3D.385.R.12-C40	U43 33850	38.5	40	50	213	117	145	SOGX 120408	6.25	38504

Continued on next page

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 873 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.3D.390.R.12-C40	U43 33900	**39**	40	50	213	117	145	SOGX 120408	6.25	**39004**
KUB-P.3D.395.R.12-C40	U43 33950	**39.5**	40	50	216	120	148	SOGX 120408	6.25	**39504**
KUB-P.3D.400.R.12-C40	U43 34000	**40**	40	50	216	120	148	SOGX 120408	6.25	**40004**
KUB-P.3D.405.R.12-C40	U43 34050	**40.5**	40	50	220	123	152	SOGX 120408	6.25	**40504**
KUB-P.3D.410.R.12-C40	U43 34100	**41**	40	50	220	123	152	SOGX 120408	6.25	**41004**
KUB-P.3D.415.R.12-C40	U43 34150	**41.5**	40	50	223	126	155	SOGX 120408	6.25	**41504**
KUB-P.3D.420.R.12-C40	U43 34200	**42**	40	50	223	126	155	SOGX 120408	6.25	**42004**
KUB-P.3D.425.R.13-C40	U43 34250	**42.5**	40	50	227	129	159	SOGX 130508	6.25	**42504**
KUB-P.3D.430.R.13-C40	U43 34300	**43**	40	50	227	129	159	SOGX 130508	6.25	**43004**
KUB-P.3D.435.R.13-C40	U43 34350	**43.5**	40	50	230	132	162	SOGX 130508	6.25	**43504**
KUB-P.3D.440.R.13-C40	U43 34400	**44**	40	50	230	132	162	SOGX 130508	6.25	**44004**
KUB-P.3D.445.R.13-C40	U43 34450	**44.5**	40	50	234	135	166	SOGX 130508	6.25	**44504**
KUB-P.3D.450.R.13-C40	U43 34500	**45**	40	50	234	135	166	SOGX 130508	6.25	**45004**
KUB-P.3D.455.R.13-C40	U43 34550	**45.5**	40	50	237	138	169	SOGX 130508	6.25	**45504**
KUB-P.3D.460.R.13-C40	U43 34600	**46**	40	50	237	138	169	SOGX 130508	6.25	**46004**


Key


Screwdriver


Clamping screw

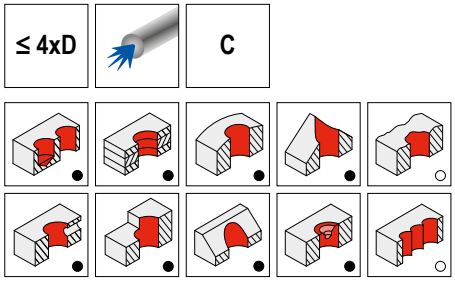
Spare parts DC		**80 950 ...**		**80 950 ...**		**10 950 ...**
14 - 16	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**	M4.5x10 - 20IP	**10400**

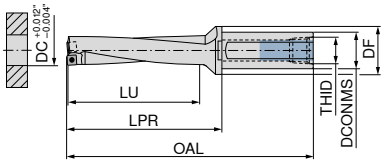
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





15 874 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-P.4D.0562.R.04.C0750-EF	U44 81430	0.562	0.750	1.180	5.163	2.362	2.913	1/4" NPT	SOGX 040204	0.38	**14309**
KUB-P.4D.0593.R.04.C0750-EF	U44 81510	0.593	0.750	1.180	5.400	2.520	3.150	1/4" NPT	SOGX 040204	0.38	**15109**
KUB-P.4D.0625.R.04.C0750-EF	U44 81590	0.625	0.750	1.180	5.400	2.520	3.150	1/4" NPT	SOGX 040204	0.38	**15909**
KUB-P.4D.0656.R.05.C0750-EF	U44 81670	0.656	0.750	1.180	5.596	2.677	3.346	1/4" NPT	SOGX 050204	0.62	**16709**
KUB-P.4D.0687.R.05.C1000-E	U44 81750	0.687	1.000	1.180	6.754	2.835	3.504	3/8" NPT	SOGX 050204	0.62	**17500**
KUB-P.4D.0703.R.05.C1000-EF	U44 81790	0.703	1.000	1.180	6.754	2.835	3.504	3/8" NPT	SOGX 050204	0.62	**17900**
KUB-P.4D.0750.R.06.C1000-EF	U44 81910	0.750	1.000	1.180	7.108	3.150	3.858	3/8" NPT	SOGX 060206	1.01	**19100**
KUB-P.4D.0765.R.06.C1000-EF	U44 81940	0.765	1.000	1.180	7.108	3.150	3.858	3/8" NPT	SOGX 060206	1.01	**19400**
KUB-P.4D.0781.R.06.C1000-EF	U44 81980	0.781	1.000	1.180	7.108	3.150	3.858	3/8" NPT	SOGX 060206	1.01	**19800**
KUB-P.4D.0812.R.07.C1000-EF	U44 82060	0.812	1.000	1.180	7.305	3.307	4.055	3/8" NPT	SOGX 07T208	1.01	**20600**
KUB-P.4D.0828.R.07.C1000-E	U44 82100	0.828	1.000	1.180	7.305	3.307	4.055	3/8" NPT	SOGX 07T208	1.01	**21000**
KUB-P.4D.0843.R.07.C1000-EF	U44 82140	0.843	1.000	1.180	7.974	3.465	4.724	3/8" NPT	SOGX 07T208	1.01	**21400**
KUB-P.4D.0875.R.07.C1000-EF	U44 82220	0.875	1.000	1.180	7.659	3.622	4.409	3/8" NPT	SOGX 07T208	1.01	**22200**
KUB-P.4D.0906.R.07.C1000-E	U44 82300	0.906	1.000	1.180	7.659	3.622	4.409	3/8" NPT	SOGX 07T208	1.01	**23000**
KUB-P.4D.0937.R.08.C1250-EF	U44 82380	0.937	1.250	1.540	7.817	3.780	4.567	1/2" NPT	SOGX 080308	1.28	**23801**
KUB-P.4D.0985.R.08.C1250-E	U44 82500	0.985	1.250	1.540	8.014	3.937	4.764	1/2" NPT	SOGX 080308	1.28	**25001**
KUB-P.4D.1000.R.08.C1250-EF	U44 82540	1.000	1.250	1.540	8.171	4.094	4.921	1/2" NPT	SOGX 080308	1.28	**25401**
KUB-P.4D.1031.R.09.C1250-EF	U44 82620	1.031	1.250	1.540	8.368	4.252	5.118	1/2" NPT	SOGX 09T308	2.25	**26201**
KUB-P.4D.1062.R.09.C1250-E	U44 82700	1.062	1.250	1.540	8.368	4.252	5.118	1/2" NPT	SOGX 09T308	2.25	**27001**
KUB-P.4D.1109.R.09.C1250-EF	U44 82820	1.109	1.250	1.540	8.722	4.567	5.472	1/2" NPT	SOGX 09T308	2.25	**28201**
KUB-P.4D.1125.R.09.C1250-EF	U44 82860	1.125	1.250	1.540	8.722	4.567	5.472	1/2" NPT	SOGX 09T308	2.25	**28601**
KUB-P.4D.1156.R.09.C1250-EF	U44 82940	1.156	1.250	1.540	8.880	4.724	5.630	1/2" NPT	SOGX 09T308	2.25	**29401**
KUB-P.4D.1187.R.10.C1500-EF	U44 83020	1.187	1.500	1.970	9.577	4.882	5.827	3/4" NPT	SOGX 100408	2.8	**30102**
KUB-P.4D.1218.R.10.C1500-EF	U44 83090	1.218	1.500	1.970	9.577	4.882	5.827	3/4" NPT	SOGX 100408	2.8	**30902**
KUB-P.4D.1250.R.10.C1500-EF	U44 83180	1.250	1.500	1.970	9.734	5.039	5.984	3/4" NPT	SOGX 100408	2.8	**31802**
KUB-P.4D.1281.R.10.C1500-E	U44 83250	1.281	1.500	1.970	9.931	5.197	6.181	3/4" NPT	SOGX 100408	2.8	**32502**
KUB-P.4D.1312.R.11.C1500-EF	U44 83330	1.312	1.500	1.970	10.089	5.354	6.339	3/4" NPT	SOGX 110408	2.8	**33302**
KUB-P.4D.1328.R.11.C1500-EF	U44 83370	1.328	1.500	1.970	10.089	5.354	6.339	3/4" NPT	SOGX 110408	2.8	**33702**
KUB-P.4D.1375.R.11.C1500-EF	U44 83490	1.375	1.500	1.970	10.285	5.512	6.535	3/4" NPT	SOGX 110408	2.8	**34902**
KUB-P.4D.1437.R.11.C1500-E	U44 83650	1.437	1.500	1.970	10.640	5.827	6.890	3/4" NPT	SOGX 110408	2.8	**36502**
KUB-P.4D.1469.R.12.C1500-EF	U44 83730	1.469	1.500	1.970	10.797	5.984	7.047	3/4" NPT	SOGX 120408	6.25	**37302**
KUB-P.4D.1500.R.12.C1500-EF	U44 83810	1.500	1.500	1.970	10.994	6.142	7.244	3/4" NPT	SOGX 120408	6.25	**38102**
KUB-P.4D.1531.R.12.C1500-EF	U44 83890	1.531	1.500	1.970	10.994	6.142	7.244	3/4" NPT	SOGX 120408	6.25	**38902**
KUB-P.4D.1562.R.12.C1500-EF	U44 83970	1.562	1.500	1.970	11.152	6.299	7.402	3/4" NPT	SOGX 120408	6.25	**39702**
KUB-P.4D.1625.R.12.C1500-EF	U44 84130	1.625	1.500	1.970	11.506	6.614	7.756	3/4" NPT	SOGX 120408	6.25	**41302**
KUB-P.4D.1656.R.13.C1500-EF	U44 84210	1.656	1.500	1.970	11.703	6.772	7.953	3/4" NPT	SOGX 130508	6.25	**42102**
KUB-P.4D.1687.R.13.C1500-EF	U44 84290	1.687	1.500	1.970	11.703	6.772	7.953	3/4" NPT	SOGX 130508	6.25	**42802**
KUB-P.4D.1750.R.13.C1500-EF	U44 84450	1.750	1.500	1.970	12.057	7.087	8.307	3/4" NPT	SOGX 130508	6.25	**44502**

Key

80 950 ...

Screwdriver

80 950 ...

Clamping screw

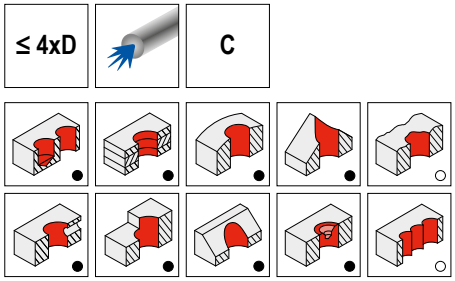
10 950 ...

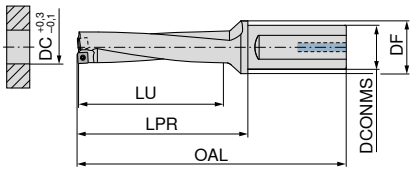
Spare parts DC	Key		Screwdriver		Clamping screw	
0.562 - 0.625	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
0.656 - 0.703			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
0.750 - 0.906			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
0.937 - 1.000			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
1.031 - 1.156			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
1.187 - 1.437			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
1.469 - 1.750			T20 - IP	**129**	M4.5x10 - 20IP	**10400**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





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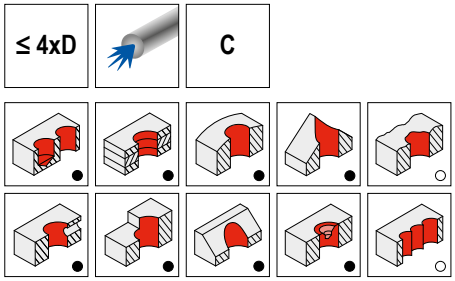
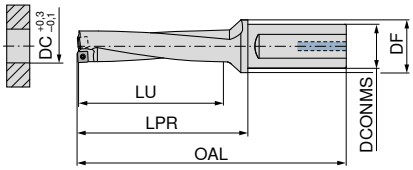
Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.4D.140.R.04-C20	U44 01400	14	20	30	119	56	69	SOGX 040204	0.38	14001
KUB-P.4D.145.R.04-C20	U44 01450	14.5	20	30	124	60	74	SOGX 040204	0.38	14501
KUB-P.4D.150.R.04-C20	U44 01500	15	20	30	124	60	74	SOGX 040204	0.38	15001
KUB-P.4D.155.R.04-C20	U44 01550	15.5	20	30	130	64	80	SOGX 040204	0.38	15501
KUB-P.4D.160.R.04-C20	U44 01600	16	20	30	130	64	80	SOGX 040204	0.38	16001
KUB-P.4D.165.R.05-C20	U44 01650	16.5	20	30	135	68	85	SOGX 050204	0.62	16501
KUB-P.4D.170.R.05-C20	U44 01700	17	20	30	135	68	85	SOGX 050204	0.62	17001
KUB-P.4D.175.R.05-C25	U44 11750	17.5	25	30	145	72	89	SOGX 050204	0.62	17502
KUB-P.4D.180.R.05-C25	U44 11800	18	25	30	145	72	89	SOGX 050204	0.62	18002
KUB-P.4D.185.R.06-C25	U44 11850	18.5	25	30	150	76	94	SOGX 060206	1.01	18502
KUB-P.4D.190.R.06-C25	U44 11900	19	25	30	150	76	94	SOGX 060206	1.01	19002
KUB-P.4D.195.R.06-C25	U44 11950	19.5	25	30	154	80	98	SOGX 060206	1.01	19502
KUB-P.4D.200.R.06-C25	U44 12000	20	25	30	154	80	98	SOGX 060206	1.01	20002
KUB-P.4D.205.R.07-C25	U44 12050	20.5	25	30	159	84	103	SOGX 07T208	1.01	20502
KUB-P.4D.210.R.07-C25	U44 12100	21	25	30	159	84	103	SOGX 07T208	1.01	21002
KUB-P.4D.215.R.07-C25	U44 12150	21.5	25	30	163	88	107	SOGX 07T208	1.01	21502
KUB-P.4D.220.R.07-C25	U44 12200	22	25	30	163	88	107	SOGX 07T208	1.01	22002
KUB-P.4D.225.R.07-C25	U44 12250	22.5	25	30	168	92	112	SOGX 07T208	1.01	22502
KUB-P.4D.230.R.07-C25	U44 12300	23	25	30	168	92	112	SOGX 07T208	1.01	23002
KUB-P.4D.235.R.08-C32	U44 22350	23.5	32	39	176	96	116	SOGX 080308	1.28	23503
KUB-P.4D.240.R.08-C32	U44 22400	24	32	39	176	96	116	SOGX 080308	1.28	24003
KUB-P.4D.245.R.08-C32	U44 22450	24.5	32	39	181	100	121	SOGX 080308	1.28	24503
KUB-P.4D.250.R.08-C32	U44 22500	25	32	39	181	100	121	SOGX 080308	1.28	25003
KUB-P.4D.255.R.08-C32	U44 22550	25.5	32	39	185	104	125	SOGX 080308	1.28	25503
KUB-P.4D.260.R.08-C32	U44 22600	26	32	39	185	104	125	SOGX 080308	1.28	26003
KUB-P.4D.265.R.09-C32	U44 22650	26.5	32	39	190	108	130	SOGX 09T308	2.25	26503
KUB-P.4D.270.R.09-C32	U44 22700	27	32	39	190	108	130	SOGX 09T308	2.25	27003
KUB-P.4D.275.R.09-C32	U44 22750	27.5	32	39	194	112	134	SOGX 09T308	2.25	27503
KUB-P.4D.280.R.09-C32	U44 22800	28	32	39	194	112	134	SOGX 09T308	2.25	28003
KUB-P.4D.285.R.09-C32	U44 22850	28.5	32	39	199	116	139	SOGX 09T308	2.25	28503
KUB-P.4D.290.R.09-C32	U44 22900	29	32	39	199	116	139	SOGX 09T308	2.25	29003
KUB-P.4D.295.R.09-C32	U44 22950	29.5	32	39	203	120	143	SOGX 09T308	2.25	29503
KUB-P.4D.300.R.09-C32	U44 23000	30	32	39	203	120	143	SOGX 09T308	2.25	30003
KUB-P.4D.305.R.10-C40	U44 33050	30.5	40	50	216	124	148	SOGX 100408	2.8	30504
KUB-P.4D.310.R.10-C40	U44 33100	31	40	50	216	124	148	SOGX 100408	2.8	31004
KUB-P.4D.315.R.10-C40	U44 33150	31.5	40	50	220	128	152	SOGX 100408	2.8	31504
KUB-P.4D.320.R.10-C40	U44 33200	32	40	50	220	128	152	SOGX 100408	2.8	32004
KUB-P.4D.325.R.10-C40	U44 33250	32.5	40	50	225	132	157	SOGX 100408	2.8	32504
KUB-P.4D.330.R.10-C40	U44 33300	33	40	50	225	132	157	SOGX 100408	2.8	33004
KUB-P.4D.335.R.11-C40	U44 33350	33.5	40	50	229	136	161	SOGX 110408	2.8	33504
KUB-P.4D.340.R.11-C40	U44 33400	34	40	50	229	136	161	SOGX 110408	2.8	34004
KUB-P.4D.345.R.11-C40	U44 33450	34.5	40	50	234	140	166	SOGX 110408	2.8	34504
KUB-P.4D.350.R.11-C40	U44 33500	35	40	50	234	140	166	SOGX 110408	2.8	35004
KUB-P.4D.355.R.11-C40	U44 33550	35.5	40	50	238	144	170	SOGX 110408	2.8	35504
KUB-P.4D.360.R.11-C40	U44 33600	36	40	50	238	144	170	SOGX 110408	2.8	36004
KUB-P.4D.365.R.11-C40	U44 33650	36.5	40	50	243	148	175	SOGX 110408	2.8	36504
KUB-P.4D.370.R.11-C40	U44 33700	37	40	50	243	148	175	SOGX 110408	2.8	37004
KUB-P.4D.375.R.12-C40	U44 33750	37.5	40	50	247	152	179	SOGX 120408	6.25	37504
KUB-P.4D.380.R.12-C40	U44 33800	38	40	50	247	152	179	SOGX 120408	6.25	38004
KUB-P.4D.385.R.12-C40	U44 33850	38.5	40	50	252	156	184	SOGX 120408	6.25	38504

Continued on next page

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





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Designation	KOMET no.	**DC** mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.4D.390.R.12-C40	U44 33900	**39**	40	50	252	156	184	SOGX 120408	6.25	**39004**
KUB-P.4D.395.R.12-C40	U44 33950	**39.5**	40	50	256	160	188	SOGX 120408	6.25	**39504**
KUB-P.4D.400.R.12-C40	U44 34000	**40**	40	50	256	160	188	SOGX 120408	6.25	**40004**
KUB-P.4D.405.R.12-C40	U44 34050	**40.5**	40	50	261	164	193	SOGX 120408	6.25	**40504**
KUB-P.4D.410.R.12-C40	U44 34100	**41**	40	50	261	164	193	SOGX 120408	6.25	**41004**
KUB-P.4D.415.R.12-C40	U44 34150	**41.5**	40	50	265	166	197	SOGX 120408	6.25	**41504**
KUB-P.4D.420.R.12-C40	U44 34200	**42**	40	50	265	168	197	SOGX 120408	6.25	**42004**
KUB-P.4D.425.R.13-C40	U44 34250	**42.5**	40	50	270	172	202	SOGX 130508	6.25	**42504**
KUB-P.4D.430.R.13-C40	U44 34300	**43**	40	50	270	172	202	SOGX 130508	6.25	**43004**
KUB-P.4D.435.R.13-C40	U44 34350	**43.5**	40	50	274	176	206	SOGX 130508	6.25	**43504**
KUB-P.4D.440.R.13-C40	U44 34400	**44**	40	50	274	176	206	SOGX 130508	6.25	**44004**
KUB-P.4D.445.R.13-C40	U44 34450	**44.5**	40	50	279	180	211	SOGX 130508	6.25	**44504**
KUB-P.4D.450.R.13-C40	U44 34500	**45**	40	50	279	180	211	SOGX 130508	6.25	**45004**
KUB-P.4D.455.R.13-C40	U44 34550	**45.5**	40	50	283	184	215	SOGX 130508	6.25	**45504**
KUB-P.4D.460.R.13-C40	U44 34600	**46**	40	50	283	184	215	SOGX 130508	6.25	**46004**


Key


Screwdriver


Clamping screw

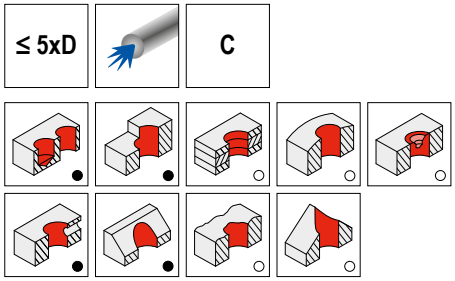
Spare parts DC								
			80 950 ...			**80 950 ...**		**10 950 ...**
14 - 16	T05 - IP	**057**			**123**	M1.8x3.8 - 05IP	**10100**
16.5 - 18				T06 - IP		M2.0x4.3 - 06IP	**10000**
18.5 - 23				T06 - IP		M2.2x5.5 - 06IP	**10700**
23.5 - 26				T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
26.5 - 30				T08 - IP		M3.0x7.6 - 08IP	**10200**
30.5 - 37				T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
37.5 - 46				T20 - IP	**129**	M4.5x10 - 20IP	**10400**

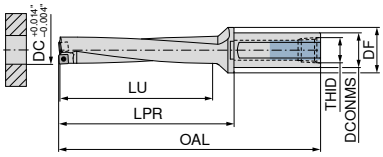
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-P.5D.0562.R.04.C0750-EF	U45 81430	0.562	0.750	1.180	5.754	2.953	3.504	1/4" NPT	SOGX 040204	0.38	**14309**
KUB-P.5D.0593.R.04.C0750-EF	U45 81510	0.593	0.750	1.180	6.030	3.150	3.780	1/4" NPT	SOGX 040204	0.38	**15109**
KUB-P.5D.0625.R.04.C0750-EF	U45 81590	0.625	0.750	1.180	6.030	3.150	3.780	1/4" NPT	SOGX 040204	0.38	**15909**
KUB-P.5D.0656.R.05.C0750-EF	U45 81670	0.656	0.750	1.180	6.266	3.346	4.016	1/4" NPT	SOGX 050204	0.62	**16709**
KUB-P.5D.0687.R.05.C1000-E	U45 81750	0.687	1.000	1.180	7.463	3.543	4.213	3/8" NPT	SOGX 050204	0.62	**17500**
KUB-P.5D.0703.R.05.C1000-EF	U45 81790	0.703	1.000	1.180	7.463	3.543	4.213	3/8" NPT	SOGX 050204	0.62	**17900**
KUB-P.5D.0750.R.06.C1000-EF	U45 81910	0.750	1.000	1.180	7.896	3.937	4.646	3/8" NPT	SOGX 060206	1.01	**19100**
KUB-P.5D.0765.R.06.C1000-EF	U45 81940	0.765	1.000	1.180	7.896	3.937	4.646	3/8" NPT	SOGX 060206	1.01	**19400**
KUB-P.5D.0781.R.06.C1000-EF	U45 81980	0.781	1.000	1.180	7.896	3.937	4.646	3/8" NPT	SOGX 060206	1.01	**19800**
KUB-P.5D.0812.R.07.C1000-EF	U45 82060	0.812	1.000	1.180	8.132	4.134	4.882	3/8" NPT	SOGX 07T208	1.01	**20600**
KUB-P.5D.0828.R.07.C1000-E	U45 82100	0.828	1.000	1.180	8.132	4.134	4.882	3/8" NPT	SOGX 07T208	1.01	**21000**
KUB-P.5D.0843.R.07.C1000-EF	U45 82140	0.843	1.000	1.180	8.329	4.331	5.079	3/8" NPT	SOGX 07T208	1.01	**21400**
KUB-P.5D.0875.R.07.C1000-EF	U45 82220	0.875	1.000	1.180	8.565	4.528	5.315	3/8" NPT	SOGX 07T208	1.01	**22200**
KUB-P.5D.0906.R.07.C1000-E	U45 82300	0.906	1.000	1.180	8.565	4.528	5.315	3/8" NPT	SOGX 07T208	1.01	**23000**
KUB-P.5D.0937.R.08.C1250-EF	U45 82380	0.937	1.250	1.540	8.762	4.724	5.512	1/2" NPT	SOGX 080308	1.28	**23801**
KUB-P.5D.0985.R.08.C1250-E	U45 82500	0.985	1.250	1.540	8.998	4.921	5.748	1/2" NPT	SOGX 080308	1.28	**25001**
KUB-P.5D.1000.R.08.C1250-EF	U45 82540	1.000	1.250	1.540	9.195	5.118	5.945	1/2" NPT	SOGX 080308	1.28	**25401**
KUB-P.5D.1031.R.09.C1250-EF	U45 82620	1.031	1.250	1.540	9.431	5.315	6.181	1/2" NPT	SOGX 09T308	2.25	**26201**
KUB-P.5D.1062.R.09.C1250-E	U45 82700	1.062	1.250	1.540	9.431	5.315	6.181	1/2" NPT	SOGX 09T308	2.25	**27001**
KUB-P.5D.1109.R.09.C1250-EF	U45 82820	1.109	1.250	1.540	9.864	5.709	6.614	1/2" NPT	SOGX 09T308	2.25	**28201**
KUB-P.5D.1125.R.09.C1250-EF	U45 82860	1.125	1.250	1.540	9.864	5.709	6.614	1/2" NPT	SOGX 09T308	2.25	**28601**
KUB-P.5D.1156.R.09.C1250-EF	U45 82940	1.156	1.250	1.540	10.061	5.906	6.811	1/2" NPT	SOGX 09T308	2.25	**29401**
KUB-P.5D.1187.R.10.C1500-EF	U45 83020	1.187	1.500	1.970	10.797	6.102	7.047	3/4" NPT	SOGX 100408	2.8	**30102**
KUB-P.5D.1218.R.10.C1500-EF	U45 83090	1.218	1.500	1.970	10.797	6.102	7.047	3/4" NPT	SOGX 100408	2.8	**30902**
KUB-P.5D.1250.R.10.C1500-EF	U45 83180	1.250	1.500	1.970	10.994	6.299	7.244	3/4" NPT	SOGX 100408	2.8	**31802**
KUB-P.5D.1281.R.10.C1500-E	U45 83250	1.281	1.500	1.970	11.230	6.496	7.480	3/4" NPT	SOGX 100408	2.8	**32502**
KUB-P.5D.1312.R.11.C1500-EF	U45 83330	1.312	1.500	1.970	11.427	6.693	7.677	3/4" NPT	SOGX 110408	2.8	**33302**
KUB-P.5D.1328.R.11.C1500-EF	U45 83370	1.328	1.500	1.970	11.427	6.693	7.677	3/4" NPT	SOGX 110408	2.8	**33702**
KUB-P.5D.1375.R.11.C1500-EF	U45 83490	1.375	1.500	1.970	11.663	6.890	7.913	3/4" NPT	SOGX 110408	2.8	**34902**
KUB-P.5D.1437.R.11.C1500-E	U45 83650	1.437	1.500	1.970	12.096	7.283	8.346	3/4" NPT	SOGX 110408	6.25	**36502**
KUB-P.5D.1469.R.12.C1500-EF	U45 83730	1.469	1.500	1.970	12.293	7.480	8.543	3/4" NPT	SOGX 120408	6.25	**37302**
KUB-P.5D.1500.R.12.C1500-EF	U45 83810	1.500	1.500	1.970	12.530	7.677	8.780	3/4" NPT	SOGX 120408	6.25	**38102**
KUB-P.5D.1531.R.12.C1500-EF	U45 83890	1.531	1.500	1.970	12.530	7.677	8.780	3/4" NPT	SOGX 120408	6.25	**38902**
KUB-P.5D.1562.R.12.C1500-EF	U45 83970	1.562	1.500	1.970	12.726	7.874	8.976	3/4" NPT	SOGX 120408	6.25	**39702**
KUB-P.5D.1625.R.12.C1500-EF	U45 84130	1.625	1.500	1.970	13.159	8.268	9.409	3/4" NPT	SOGX 120408	6.25	**41302**
KUB-P.5D.1656.R.13.C1500-EF	U45 84210	1.656	1.500	1.970	13.396	8.465	9.646	3/4" NPT	SOGX 130508	6.25	**42102**
KUB-P.5D.1687.R.13.C1500-EF	U45 84290	1.687	1.500	1.970	13.396	8.465	9.646	3/4" NPT	SOGX 130508	6.25	**42802**
KUB-P.5D.1750.R.13.C1500-EF	U45 84450	1.750	1.500	1.970	13.829	8.858	10.079	3/4" NPT	SOGX 130508	6.25	**44502**

Key

80 950 ...

Screwdriver

80 950 ...

Clamping screw

10 950 ...

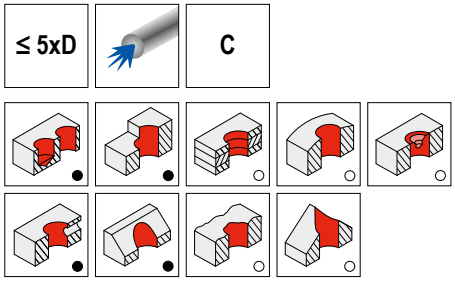
Spare parts DC							
0.562 - 0.625	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
0.656 - 0.703			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
0.750 - 0.906			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
0.937 - 1.000			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
1.031 - 1.156			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
1.187 - 1.437			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
1.469 - 1.750			T20 - IP	**129**	M4.5x10 - 20IP	**10400**

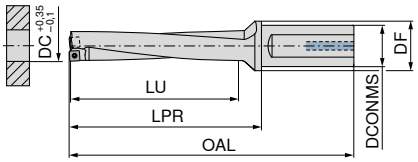
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Pentron – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





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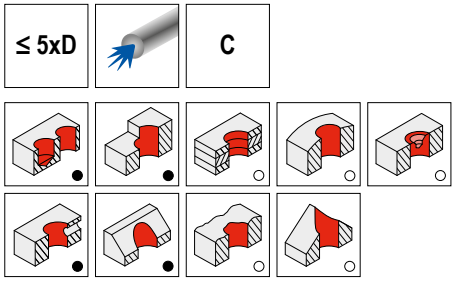
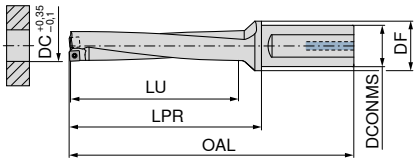
Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.5D.140.R.04-C20	U45 01400	14	20	30	133	70	83	SOGX 040204	0.38	14001
KUB-P.5D.145.R.04-C20	U45 01450	14.5	20	30	139	75	89	SOGX 040204	0.38	14501
KUB-P.5D.150.R.04-C20	U45 01500	15	20	30	139	75	89	SOGX 040204	0.38	15001
KUB-P.5D.155.R.04-C20	U45 01550	15.5	20	30	146	80	96	SOGX 040204	0.38	15501
KUB-P.5D.160.R.04-C20	U45 01600	16	20	30	146	80	96	SOGX 040204	0.38	16001
KUB-P.5D.165.R.05-C20	U45 01650	16.5	20	30	152	85	102	SOGX 050204	0.62	16501
KUB-P.5D.170.R.05-C20	U45 01700	17	20	30	152	85	102	SOGX 050204	0.62	17001
KUB-P.5D.175.R.05-C25	U45 11750	17.5	25	30	163	90	107	SOGX 050204	0.62	17502
KUB-P.5D.180.R.05-C25	U45 11800	18	25	30	163	90	107	SOGX 050204	0.62	18002
KUB-P.5D.185.R.06-C25	U45 11850	18.5	25	30	169	95	113	SOGX 060206	1.01	18502
KUB-P.5D.190.R.06-C25	U45 11900	19	25	30	169	95	113	SOGX 060206	1.01	19002
KUB-P.5D.195.R.06-C25	U45 11950	19.5	25	30	174	100	118	SOGX 060206	1.01	19502
KUB-P.5D.200.R.06-C25	U45 12000	20	25	30	174	100	118	SOGX 060206	1.01	20002
KUB-P.5D.205.R.07-C25	U45 12050	20.5	25	30	180	105	124	SOGX 07T208	1.01	20502
KUB-P.5D.210.R.07-C25	U45 12100	21	25	30	180	105	124	SOGX 07T208	1.01	21002
KUB-P.5D.215.R.07-C25	U45 12150	21.5	25	30	185	110	129	SOGX 07T208	1.01	21502
KUB-P.5D.220.R.07-C25	U45 12200	22	25	30	185	110	129	SOGX 07T208	1.01	22002
KUB-P.5D.225.R.07-C25	U45 12250	22.5	25	30	191	115	135	SOGX 07T208	1.01	22502
KUB-P.5D.230.R.07-C25	U45 12300	23	25	30	191	115	135	SOGX 07T208	1.01	23002
KUB-P.5D.235.R.08-C32	U45 22350	23.5	32	39	200	120	140	SOGX 080308	1.28	23503
KUB-P.5D.240.R.08-C32	U45 22400	24	32	39	200	120	140	SOGX 080308	1.28	24003
KUB-P.5D.245.R.08-C32	U45 22450	24.5	32	39	206	125	146	SOGX 080308	1.28	24503
KUB-P.5D.250.R.08-C32	U45 22500	25	32	39	206	125	146	SOGX 080308	1.28	25003
KUB-P.5D.255.R.08-C32	U45 22550	25.5	32	39	211	130	151	SOGX 080308	1.28	25503
KUB-P.5D.260.R.08-C32	U45 22600	26	32	39	211	130	151	SOGX 080308	1.28	26003
KUB-P.5D.265.R.09-C32	U45 22650	26.5	32	39	217	135	157	SOGX 09T308	2.25	26503
KUB-P.5D.270.R.09-C32	U45 22700	27	32	39	217	135	157	SOGX 09T308	2.25	27003
KUB-P.5D.275.R.09-C32	U45 22750	27.5	32	39	222	140	162	SOGX 09T308	2.25	27503
KUB-P.5D.280.R.09-C32	U45 22800	28	32	39	222	140	162	SOGX 09T308	2.25	28003
KUB-P.5D.285.R.09-C32	U45 22850	28.5	32	39	228	145	168	SOGX 09T308	2.25	28503
KUB-P.5D.290.R.09-C32	U45 22900	29	32	39	228	145	168	SOGX 09T308	2.25	29003
KUB-P.5D.295.R.09-C32	U45 22950	29.5	32	39	233	150	173	SOGX 09T308	2.25	29503
KUB-P.5D.300.R.09-C32	U45 23000	30	32	39	233	150	173	SOGX 09T308	2.25	30003
KUB-P.5D.305.R.10-C40	U45 33050	30.5	40	50	247	155	179	SOGX 100408	2.8	30504
KUB-P.5D.310.R.10-C40	U45 33100	31	40	50	247	155	179	SOGX 100408	2.8	31004
KUB-P.5D.315.R.10-C40	U45 33150	31.5	40	50	252	160	184	SOGX 100408	2.8	31504
KUB-P.5D.320.R.10-C40	U45 33200	32	40	50	252	160	184	SOGX 100408	2.8	32004
KUB-P.5D.325.R.10-C40	U45 33250	32.5	40	50	258	165	190	SOGX 100408	2.8	32504
KUB-P.5D.330.R.10-C40	U45 33300	33	40	50	258	165	190	SOGX 100408	2.8	33004
KUB-P.5D.335.R.11-C40	U45 33350	33.5	40	50	263	170	195	SOGX 110408	2.8	33504
KUB-P.5D.340.R.11-C40	U45 33400	34	40	50	263	170	195	SOGX 110408	2.8	34004
KUB-P.5D.345.R.11-C40	U45 33450	34.5	40	50	269	175	201	SOGX 110408	2.8	34504
KUB-P.5D.350.R.11-C40	U45 33500	35	40	50	269	175	201	SOGX 110408	2.8	35004
KUB-P.5D.355.R.11-C40	U45 33550	35.5	40	50	274	180	206	SOGX 110408	2.8	35504
KUB-P.5D.360.R.11-C40	U45 33600	36	40	50	274	180	206	SOGX 110408	2.8	36004
KUB-P.5D.365.R.11-C40	U45 33650	36.5	40	50	280	185	212	SOGX 110408	2.8	36504
KUB-P.5D.370.R.11-C40	U45 33700	37	40	50	280	185	212	SOGX 110408	2.8	37004
KUB-P.5D.375.R.12-C40	U45 33750	37.5	40	50	285	190	217	SOGX 120408	6.25	37504
KUB-P.5D.380.R.12-C40	U45 33800	38	40	50	285	190	217	SOGX 120408	6.25	38004
KUB-P.5D.385.R.12-C40	U45 33850	38.5	40	50	291	195	223	SOGX 120408	6.25	38504

Continued on next page

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 875 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-P.5D.390.R.12-C40	U45 33900	**39**	40	50	291	195	223	SOGX 120408	6.25	**39004**
KUB-P.5D.395.R.12-C40	U45 33950	**39.5**	40	50	296	200	228	SOGX 120408	6.25	**39504**
KUB-P.5D.400.R.12-C40	U45 34000	**40**	40	50	296	200	228	SOGX 120408	6.25	**40004**
KUB-P.5D.405.R.12-C40	U45 34050	**40.5**	40	50	302	205	234	SOGX 120408	6.25	**40504**
KUB-P.5D.410.R.12-C40	U45 34100	**41**	40	50	302	205	234	SOGX 120408	6.25	**41004**
KUB-P.5D.415.R.12-C40	U45 34150	**41.5**	40	50	307	210	239	SOGX 120408	6.25	**41504**
KUB-P.5D.420.R.12-C40	U45 34200	**42**	40	50	307	210	239	SOGX 120408	6.25	**42004**
KUB-P.5D.425.R.13-C40	U45 34250	**42.5**	40	50	313	215	245	SOGX 130508	6.25	**42504**
KUB-P.5D.430.R.13-C40	U45 34300	**43**	40	50	313	215	245	SOGX 130508	6.25	**43004**
KUB-P.5D.435.R.13-C40	U45 34350	**43.5**	40	50	318	220	250	SOGX 130508	6.25	**43504**
KUB-P.5D.440.R.13-C40	U45 34400	**44**	40	50	318	220	250	SOGX 130508	6.25	**44004**
KUB-P.5D.445.R.13-C40	U45 34450	**44.5**	40	50	324	225	256	SOGX 130508	6.25	**44504**
KUB-P.5D.450.R.13-C40	U45 34500	**45**	40	50	324	225	256	SOGX 130508	6.25	**45004**
KUB-P.5D.455.R.13-C40	U45 34550	**45.5**	40	50	329	230	261	SOGX 130508	6.25	**45504**
KUB-P.5D.460.R.13-C40	U45 34600	**46**	40	50	329	230	261	SOGX 130508	6.25	**46004**


Key


Screwdriver


Clamping screw

Spare parts DC		**80 950 ...**		**80 950 ...**		**10 950 ...**	
14 - 16	T05 - IP	**057**			M1.8x3.8 - 05IP	**10100**
16.5 - 18			T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
18.5 - 23			T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
23.5 - 26			T08 - IP	**125**	M2.5x6.3 - 08IP	**10800**
26.5 - 30			T08 - IP	**125**	M3.0x7.6 - 08IP	**10200**
30.5 - 37			T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
37.5 - 46			T20 - IP	**129**	M4.5x10 - 20IP	**10400**

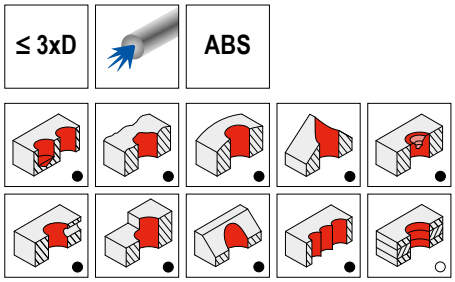
Matching holders can be found in → **Chapter 16 Adapters and accessories**

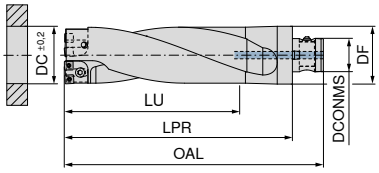
KUB Pentron CS – basic element

▲ SZID = nominal size
▲ Tightening torque refers to the fixing screws of the cartridge

Scope of supply:

Cartridge drill incl. fixing screws
Please order cartridges and indexable inserts separately





										10 876 ...
Designation	KOMET no.	**DC** mm	DF mm	OAL mm	DCONMS mm	LU mm	LPR mm	**SZID**	torque moment Nm	
KUB-P.GH-CS.1.3D.64-66.ABS80	U60 46400	**64 - 66**	80	314	46	198	271	**1**	17.3	**64092**
KUB-P.GH-CS.1.3D.67-69.ABS80	U60 46700	**67 - 69**	80	323	46	207	280	**1**	17.3	**67092**
KUB-P.GH-CS.2.3D.70-72.ABS80	U60 47000	**70 - 72**	80	332	46	216	289	**2**	17.3	**70092**
KUB-P.GH-CS.2.3D.73-75.ABS80	U60 47300	**73 - 75**	80	341	46	225	298	**2**	17.3	**73092**
KUB-P.GH-CS.3.3D.76-78.ABS80	U60 47600	**76 - 78**	80	350	46	234	307	**3**	42	**76092**
KUB-P.GH-CS.3.3D.79-81.ABS80	U60 47900	**79 - 81**	80	359	46	243	316	**3**	42	**79092**
KUB-P.GH-CS.3.3D.82-84.ABS80	U60 48200	**82 - 84**	80	368	46	252	325	**3**	42	**82092**
KUB-P.GH-CS.4.3D.85-87.ABS100	U60 58500	**85 - 87**	100	397	56	261	342	**4**	42	**85091**
KUB-P.GH-CS.4.3D.88-90.ABS100	U60 58800	**88 - 90**	100	406	56	270	351	**4**	42	**88091**
KUB-P.GH-CS.4.3D.91-93.ABS100	U60 59100	**91 - 93**	100	415	56	279	360	**4**	42	**91091**
KUB-P.GH-CS.5.3D.94-96.ABS100	U60 59400	**94 - 96**	100	424	56	288	369	**5**	42	**94091**

Clamping key – T

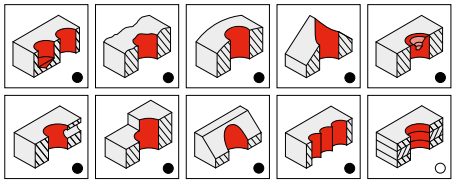
Fixing screw

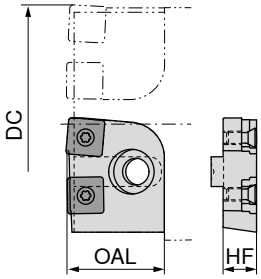
					80 397 ...		10 950 ...
Spare parts DC							
64 - 66	SW5	**050**	M6x16 - SW5	**16700**
67 - 69	SW5	**050**	M6x16 - SW5	**16700**
70 - 72	SW5	**050**	M6x16 - SW5	**16700**
73 - 75	SW5	**050**	M6x16 - SW5	**16700**
76 - 78	SW6	**060**	M8x18 - SW6	**16800**
79 - 81	SW6	**060**	M8x18 - SW6	**16800**
82 - 84	SW6	**060**	M8x18 - SW6	**16800**
85 - 87	SW6	**060**	M8x20 - SW6	**16900**
88 - 90	SW6	**060**	M8x20 - SW6	**16900**
91 - 93	SW6	**060**	M8x20 - SW6	**16900**
94 - 96	SW6	**060**	M8x20 - SW6	**16900**

KUB Pentron CS – internal cartridge

▲ SZID = nominal size
▲ Tightening torque refers to the clamping screws of the indexable inserts

Scope of supply:
Internal cartridge incl. clamping screws of indexable inserts





DC mm	KOMET no.	OAL mm	SZID	HF mm	Insert	torque moment Nm	10 877 ...
64 - 69	D60 06400	28.00	**1**	9	SOGX 100408	2.8	**16400**
70 - 75	D60 07000	30.00	**2**	10	SOGX 110408	2.8	**27000**
76 - 84	D60 07600	33.00	**3**	11	SOGX 120408	6.25	**37600**
85 - 93	D60 08501	35.34	**4**	12	SOGX 130508	6.25	**48501**
94 - 96	D60 09400	35.34	**5**	12	SOGX 130508	6.25	**59400**

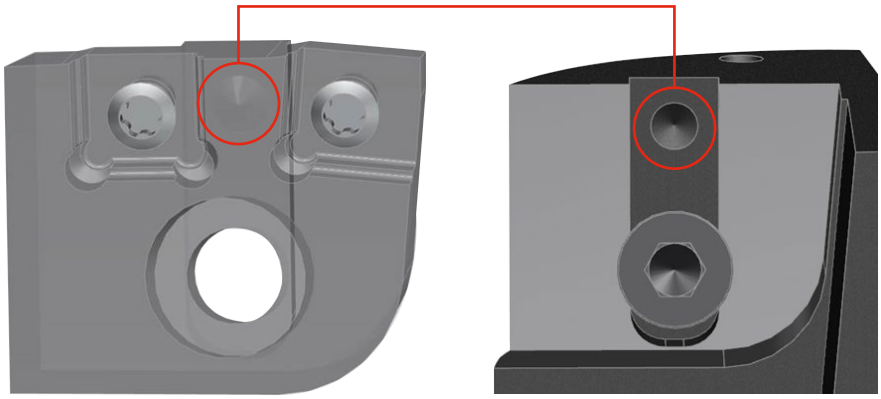

Screwdriver


Clamping screw

Spare parts DC		80 950 ...		10 950 ...
64 - 69	T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
70 - 75	T15 - IP	**128**	M3.5x7.5 - 15IP	**10300**
76 - 84	T20 - IP	**129**	M4.5x10 - 20IP	**10400**
85 - 93	T20 - IP	**129**	M4.5x10 - 20IP	**10400**
94 - 96	T20 - IP	**129**	M4.5x10 - 20IP	**10400**

The internal cartridge and the place where the internal cartridge sits on the base body are designed to prevent the internal and external cartridges from being incorrectly installed.

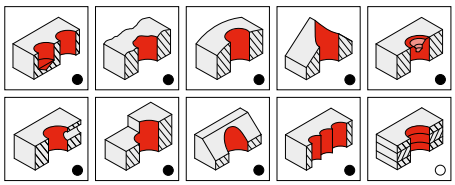
Installation aid

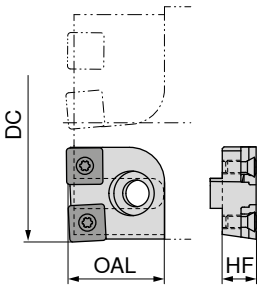


KUB Pentron CS – external cartridge

▲ SZID = nominal size
▲ Tightening torque refers to the clamping screws of the indexable inserts

Scope of supply:
External cartridge incl. clamping screws for indexable inserts





DC mm	KOMET no.	OAL mm	SZID	HF mm	Insert	torque moment Nm	10 878 ...
64	D60 16400	27.8	1	9	SOGX 100408	2.8	16400
65	D60 16500	27.8	1	9	SOGX 100408	2.8	16500
66	D60 16600	27.8	1	9	SOGX 100408	2.8	16600
67	D60 16700	27.8	1	9	SOGX 100408	2.8	16700
68	D60 16800	27.8	1	9	SOGX 100408	2.8	16800
69	D60 16900	27.8	1	9	SOGX 100408	2.8	16900
70	D60 17000	29.8	2	10	SOGX 110408	2.8	27000
71	D60 17100	29.8	2	10	SOGX 110408	2.8	27100
72	D60 17200	29.8	2	10	SOGX 110408	2.8	27200
73	D60 17300	29.8	2	10	SOGX 110408	2.8	27300
74	D60 17400	29.8	2	10	SOGX 110408	2.8	27400
75	D60 17500	29.8	2	10	SOGX 110408	2.8	27500
76	D60 17600	32.8	3	11	SOGX 120408	6.25	37600
77	D60 17700	32.8	3	11	SOGX 120408	6.25	37700
78	D60 17800	32.8	3	11	SOGX 120408	6.25	37800
79	D60 17900	32.8	3	11	SOGX 120408	6.25	37900
80	D60 18000	32.8	3	11	SOGX 120408	6.25	38000
81	D60 18100	32.8	3	11	SOGX 120408	6.25	38100
82	D60 18200	32.8	3	11	SOGX 120408	6.25	38200
83	D60 18300	32.8	3	11	SOGX 120408	6.25	38300
84	D60 18400	32.8	3	11	SOGX 120408	6.25	38400
85	D60 18500	35.8	4	12	SOGX 130508	6.25	48500
86	D60 18600	35.8	4	12	SOGX 130508	6.25	48600
87	D60 18700	35.8	4	12	SOGX 130508	6.25	48700
88	D60 18800	35.8	4	12	SOGX 130508	6.25	48800
89	D60 18900	35.8	4	12	SOGX 130508	6.25	48900
90	D60 19000	35.8	4	12	SOGX 130508	6.25	49000
91	D60 19100	35.8	4	12	SOGX 130508	6.25	49100
92	D60 19200	35.8	4	12	SOGX 130508	6.25	49200
93	D60 19300	35.8	4	12	SOGX 130508	6.25	49300
94	D60 19401	35.8	5	12	SOGX 130508	6.25	59400
95	D60 19501	35.8	5	12	SOGX 130508	6.25	59500
96	D60 19601	35.8	5	12	SOGX 130508	6.25	59600

Screwdriver

Clamping screw

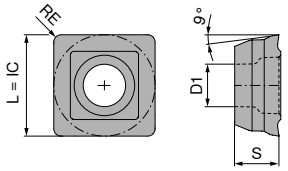
Spare parts

DC		80 950 ...		10 950 ...
64 - 75	T15 - IP	128	M3.5x7.5 - 15IP	10300
76 - 96	T20 - IP	129	M4.5x10 - 20IP	10400

Intermediate dimensions available on request.

SOGX

Designation	L	IC	D1	S
	mm	mm	mm	mm
SOGX 0402..	4.8	4.8	2.05	2.20
SOGX 0502..	5.5	5.5	2.30	2.40
SOGX 0602..	6.2	6.2	2.60	2.75
SOGX 07T2..	7.1	7.1	2.60	2.97
SOGX 0803..	8.0	8.0	2.85	3.40
SOGX 09T3..	8.9	8.9	3.40	3.90
SOGX 1004..	9.8	9.8	4.10	4.20
SOGX 1104..	10.9	10.9	4.10	4.50
SOGX 1204..	12.0	12.0	5.20	4.80
SOGX 1305..	13.2	13.2	5.20	5.20



SOGX

	-01 BK8425	-01 BK7935	-01 BK6115	-01 BK7710
				
	SOGX	SOGX	SOGX	SOGX
	10 820 ...	10 820 ...	10 820 ...	10 820 ...
ISO	KOMET no.	RE mm						
040204	W80 10010.046115	0.4				40401		
040204	W80 10010.047710	0.4						90401
040204	W80 10010.047935	0.4		50401				
040204	W80 10010.048425	0.4	30401					
050204	W80 12010.046115	0.4				40501		
050204	W80 12010.047710	0.4						90501
050204	W80 12010.047935	0.4		50501				
050204	W80 12010.048425	0.4	30501					
060206	W80 18010.066115	0.6				40601		
060206	W80 18010.067710	0.6						90601
060206	W80 18010.067935	0.6		50601				
060206	W80 18010.068425	0.6	30601					
07T208	W80 20010.086115	0.8				40701		
07T208	W80 20010.087710	0.8						90701
07T208	W80 20010.087935	0.8		50701				
07T208	W80 20010.088425	0.8	30701					
080308	W80 24010.086115	0.8				40801		
080308	W80 24010.087710	0.8						90801
080308	W80 24010.087935	0.8		50801				
080308	W80 24010.088425	0.8	30801					
09T308	W80 28010.086115	0.8				40901		
09T308	W80 28010.087710	0.8						90901
09T308	W80 28010.087935	0.8		50901				
09T308	W80 28010.088425	0.8	30901					
100408	W80 32010.086115	0.8				41001		
100408	W80 32010.087710	0.8						91001
100408	W80 32010.087935	0.8		51001				
100408	W80 32010.088425	0.8	31001					
110408	W80 38010.086115	0.8				41101		
110408	W80 38010.087710	0.8						91101
110408	W80 38010.087935	0.8		51101				
110408	W80 38010.088425	0.8	31101					
120408	W80 42010.086115	0.8				41201		
120408	W80 42010.087710	0.8						91201
120408	W80 42010.087935	0.8		51201				
120408	W80 42010.088425	0.8	31201					
130508	W80 46010.086115	0.8				41301		
130508	W80 46010.087710	0.8						91301
130508	W80 46010.087935	0.8		51301				
130508	W80 46010.088425	0.8	31301					
P			●	●	●			
M			●	●	●			
K			●	●	●			
N			○	○			●	
S			●	●			○	
H			○		○			
O				○			○	

→ v_c Page 78+92

BK6115 -01 is exclusively recommended for use on the peripheral cutting edge!

SOGX

	-03 BK8430	-13 BK8425	-32 BK8425	-34 BK8425
				
	SOGX	SOGX	SOGX	SOGX
	10 820 ...	10 820 ...	10 820 ...	10 820 ...

ISO	KOMET no.	RE mm				
040204	W80 10030.048430	0.4	00403			
040204	W80 10130.048425	0.4		30413		
040204	W80 10320.048425	0.4			30432	
040204	W80 10340.048425	0.4				30434
050204	W80 12030.048430	0.4	00503			
050204	W80 12130.048425	0.4		30513		
050204	W80 12320.048425	0.4			30532	
050204	W80 12340.048425	0.4				30534
060206	W80 18030.068430	0.6	00603			
060206	W80 18130.068425	0.6		30613		
060206	W80 18320.068425	0.6			30632	
060206	W80 18340.068425	0.6				30634
07T208	W80 20030.088430	0.8	00703			
07T208	W80 20130.088425	0.8		30713		
07T208	W80 20320.088425	0.8			30732	
07T208	W80 20340.088425	0.8				30734
080308	W80 24030.088430	0.8	00803			
080308	W80 24130.088425	0.8		30813		
080308	W80 24320.088425	0.8			30832	
080308	W80 24340.088425	0.8				30834
09T308	W80 28030.088430	0.8	00903			
09T308	W80 28130.088425	0.8		30913		
09T308	W80 28320.088425	0.8			30932	
09T308	W80 28340.088425	0.8				30934
100408	W80 32030.088430	0.8	01003			
100408	W80 32130.088425	0.8		31013		
100408	W80 32320.088425	0.8			31032	
100408	W80 32340.088425	0.8				31034
110408	W80 38030.088430	0.8	01103			
110408	W80 38130.088425	0.8		31113		
110408	W80 38320.088425	0.8			31132	
110408	W80 38340.088425	0.8				31134
120408	W80 42030.088430	0.8	01203			
120408	W80 42130.088425	0.8		31213		
120408	W80 42320.088425	0.8			31232	
120408	W80 42340.088425	0.8				31234
130508	W80 46030.088430	0.8	01303			
130508	W80 46130.088425	0.8		31313		
130508	W80 46320.088425	0.8			31332	
130508	W80 46340.088425	0.8				31334
P			●	●	●	●
M			●	●	●	
K			●	●	●	●
N			○	○	○	
S			●	●	●	
H			○	○	○	
O						

→ v_c Page 78+92

BK7935 -21 is exclusively recommended for use on the peripheral cutting edge!

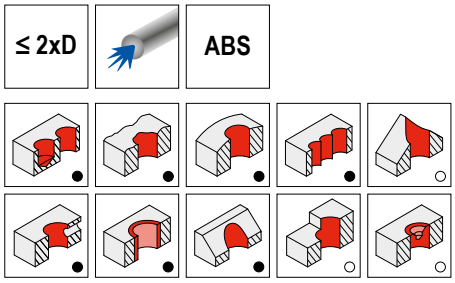
BK8425 -34 is recommended only for KUB Pentron 2xD and 3xD (10 872 ... / 10 873 ... / 15 872 ... / 15 873 ...)

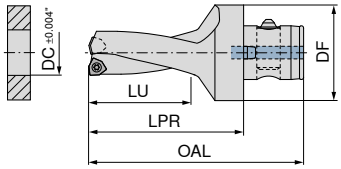
Further information on grades and chip breakers can be found on → **page 113+114**

Further indexable inserts can be found in our online shop
cuttingtools.ceratizit.com

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





15 892 ...

Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	torque moment Nm	
KUB-T-U.2D.0562.R.03.ABS50-F	V40 11430	0.562	1.969	3.780	1.181	2.560	WOEX 030204	0.62	**14395**
KUB-T-U.2D.0593.R.03.ABS50-F	V40 11510	0.593	1.969	3.858	1.260	2.638	WOEX 030204	0.62	**15195**
KUB-T-U.2D.0625.R.03.ABS50-F	V40 11590	0.625	1.969	3.858	1.260	2.638	WOEX 030204	0.62	**15995**
KUB-T-U.2D.0703.R.03.ABS50-F	V40 11790	0.703	1.969	4.016	1.417	2.796	WOEX 030204	0.62	**17995**
KUB-T-U.2D.0750.R.03.ABS50-F	V40 11910	0.750	1.969	4.173	1.575	2.953	WOEX 030204	0.62	**19195**
KUB-T-U.2D.0781.R.03.ABS50-F	V40 11980	0.781	1.969	4.173	1.575	2.953	WOEX 030204	0.62	**19895**
KUB-T-U.2D.0812.R.04.ABS50-F	V40 12060	0.812	1.969	4.252	1.654	3.032	WOEX 040304	1.01	**20695**
KUB-T-U.2D.0875.R.04.ABS50-F	V40 12220	0.875	1.969	4.409	1.811	3.189	WOEX 040304	1.01	**22295**
KUB-T-U.2D.0937.R.04.ABS50-F	V40 12380	0.937	1.969	4.488	1.890	3.268	WOEX 040304	1.01	**23895**
KUB-T-U.2D.1000.R.05.ABS50-F	V40 12540	1.000	1.969	4.646	2.047	3.425	WOEX 05T304	1.28	**25495**
KUB-T-U.2D.1031.R.05.ABS50-F	V40 12620	1.031	1.969	4.724	2.126	3.504	WOEX 05T304	1.28	**26295**
KUB-T-U.2D.1109.R.05.ABS50-F	V40 12820	1.109	1.969	4.882	2.283	3.662	WOEX 05T304	1.28	**28295**
KUB-T-U.2D.1125.R.05.ABS50-F	V40 12860	1.125	1.969	4.882	2.283	3.662	WOEX 05T304	1.28	**28695**
KUB-T-U.2D.1156.R.05.ABS50-F	V40 12940	1.156	1.969	4.961	2.362	3.741	WOEX 05T304	1.28	**29495**
KUB-T-U.2D.1187.R.05.ABS50-F	V40 13010	1.187	1.969	5.236	2.441	4.016	WOEX 05T304	1.28	**30195**
KUB-T-U.2D.1218.R.05.ABS50-F	V40 13090	1.218	1.969	5.236	2.441	4.016	WOEX 05T304	1.28	**30995**
KUB-T-U.2D.1250.R.05.ABS50-F	V40 13180	1.250	1.969	5.315	2.520	4.095	WOEX 05T304	1.28	**31895**
KUB-T-U.2D.1281.R.05.ABS50-F	V40 13250	1.281	1.969	5.394	2.598	4.174	WOEX 05T304	1.28	**32595**
KUB-T-U.2D.1312.R.05.ABS50-F	V40 13330	1.312	1.969	5.472	2.677	4.252	WOEX 05T304	1.28	**33395**
KUB-T-U.2D.1328.R.05.ABS50-F	V40 13370	1.328	1.969	5.472	2.677	4.252	WOEX 05T304	1.28	**33795**
KUB-T-U.2D.1375.R.05.ABS50-F	V40 13490	1.375	1.969	5.551	2.756	4.331	WOEX 05T304	1.28	**34995**
KUB-T-U.2D.1406.R.05.ABS50-F	V40 13570	1.406	1.969	5.630	2.835	4.410	WOEX 05T304	1.28	**35795**
KUB-T-U.2D.1437.R.05.ABS50-F	V40 13650	1.437	1.969	6.102	2.913	4.882	WOEX 05T304	1.28	**36595**
KUB-T-U.2D.1469.R.06.ABS50-F	V40 13730	1.469	1.969	6.181	2.992	4.961	WOEX 06T304	2.8	**37395**
KUB-T-U.2D.1500.R.06.ABS50-F	V40 13810	1.500	1.969	6.260	3.071	5.040	WOEX 06T304	2.8	**38195**
KUB-T-U.2D.1531.R.06.ABS50-F	V40 13890	1.531	1.969	6.260	3.071	5.040	WOEX 06T304	2.8	**38995**
KUB-T-U.2D.1562.R.06.ABS50-F	V40 13970	1.562	1.969	6.339	3.150	5.119	WOEX 06T304	2.8	**39795**
KUB-T-U.2D.1625.R.06.ABS50-F	V40 14130	1.625	1.969	6.496	3.307	5.276	WOEX 06T304	2.8	**41395**
KUB-T-U.2D.1656.R.06.ABS50-F	V40 14210	1.656	1.969	6.575	3.386	5.355	WOEX 06T304	2.8	**42195**
KUB-T-U.2D.1687.R.06.ABS50-F	V40 14280	1.687	1.969	6.575	3.386	5.355	WOEX 06T304	2.8	**42895**
KUB-T-U.2D.1750.R.06.ABS50-F	V40 14450	1.750	1.969	6.689	3.500	5.469	WOEX 06T304	2.8	**44595**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

Spare parts

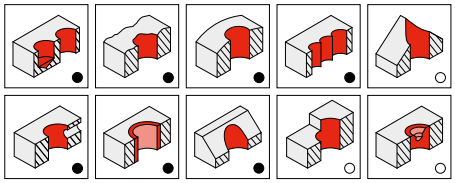
DC		
0.562 - 0.781	**123**	**10000**
0.812 - 0.937	**123**	**10700**
1.000 - 1.437	**125**	**10500**
1.469 - 1.750	**127**	**10600**

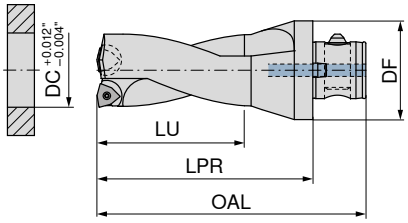
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:

with insert seat (10 897 ...) incl. fixing screw, cylindrical pin and clamping screw
with insert seat (10 898 ...) incl. fixing screw, cylindrical pin and clamping screw





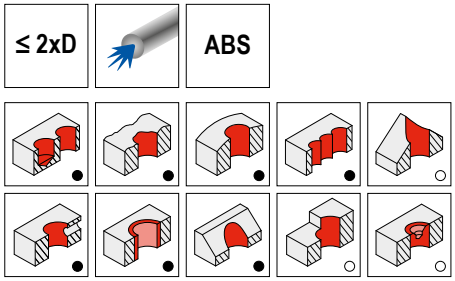
Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	torque moment Nm	10 892 ...	15 892 ...
KUB-T.2D.1781.R.08.ABS63-F	V13 34520	1.781	2.480	7.224	3.562	5.728	WOEX 080404	4.3		**45296**
KUB-T.2D.1812.R.08.ABS63	V13 34600	1.811	2.480	7.283	3.622	5.787	WOEX 080404	4.3	**46096**	
KUB-T.2D.1875.R.08.ABS63-F	V13 34760	1.875	2.480	7.412	3.750	5.916	WOEX 080404	4.3		**47696**
KUB-T.2D.1937.R.08.ABS63-F	V13 34920	1.937	2.480	7.536	3.874	6.040	WOEX 080404	4.3		**49296**
KUB-T.2D.1975.R.08.ABS63-F	V13 35020	1.975	2.480	7.612	3.950	6.116	WOEX 080404	4.3		**50296**
KUB-T.2D.2000.R.08.ABS63-F	V13 35080	2.000	2.480	7.662	4.000	6.166	WOEX 080404	4.3		**50896**
KUB-T.2D.2062.R.08.ABS63-F	V13 35240	2.062	2.480	7.786	4.124	6.290	WOEX 080404	4.3		**52496**
KUB-T.2D.2125.R.08.ABS63	V13 35400	2.126	2.480	7.913	4.252	6.417	WOEX 080404	4.3	**54096**	
KUB-T.2D.2165.R.10.ABS80	V14 35500	2.165	3.150	8.189	4.331	6.496	WOEX 100504	4.3	**55098**	
KUB-T.2D.2203.R.10.ABS80	V14 35600	2.205	3.150	8.268	4.409	6.575	WOEX 100504	4.3	**56098**	
KUB-T.2D.2250.R.10.ABS80-F	V14 35720	2.250	3.150	8.359	4.500	6.666	WOEX 100504	4.3		**57298**
KUB-T.2D.2281.R.10.ABS80-F	V14 35790	2.281	3.150	8.421	4.562	6.728	WOEX 100504	4.3		**57998**
KUB-T.2D.2375.R.10.ABS80-F	V14 36030	2.375	3.150	8.609	4.750	6.916	WOEX 100504	4.3		**60398**
KUB-T.2D.2437.R.10.ABS80-F	V14 36190	2.437	3.150	8.733	4.874	7.040	WOEX 100504	4.3		**61998**
KUB-T.2D.2500.R.10.ABS80-F	V14 36350	2.500	3.150	8.859	5.000	7.166	WOEX 100504	4.3		**63598**
KUB-T.2D.2593.R.10.ABS80-F	V14 36590	2.593	3.150	9.045	5.186	7.352	WOEX 100504	4.3		**65998**
KUB-T.2D.2625.R.10.ABS80-F	V14 36670	2.625	3.150	9.109	5.250	7.416	WOEX 100504	4.3		**66798**
KUB-T.2D.2656.R.10.ABS80-F	V14 36750	2.656	3.150	9.171	5.312	7.478	WOEX 100504	4.3		**67598**
KUB-T.2D.2750.R.12.ABS80-F	V14 36990	2.750	3.150	9.753	5.500	8.060	WOEX 120608	6.25		**69998**
KUB-T.2D.2875.R.12.ABS80	V14 37300	2.874	3.150	10.000	5.748	8.307	WOEX 120608	6.25	**73098**	
KUB-T.2D.3000.R.12.ABS80-F	V14 37620	3.000	3.150	10.253	6.000	8.560	WOEX 120608	6.25		**76298**
KUB-T.2D.3250.R.12.ABS80-F	V14 38260	3.250	3.150	10.753	6.500	9.060	WOEX 120608	6.25		**82698**

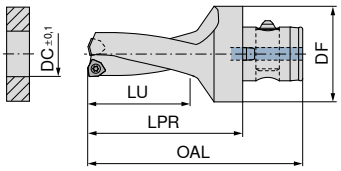
Spare parts DC	 Cylindrical pin **10 950 ...**	 Insert seat, internal **10 897 ...**	 Insert seat, external **10 898 ...**	 Screwdriver **80 950 ...**	 Clamping screw **10 950 ...**	 Fixing screw **10 950 ...**
1.781 - 2.126	**17200**	**14800**	**14800**	**120**	**12700**	**17000**
2.165 - 2.656	**17200**	**25300**	**25300**	**120**	**12700**	**17000**
2.750 - 3.250	**17300**	**36000**	**36000**	**121**	**17400**	**17100**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 892 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.2D.140.R.03-ABS50	V30 31403	**14**	50	94	28	63	WOEX 030204	0.62	**14095**
KUB-T.2D.150.R.03-ABS50	V30 31503	**15**	50	96	30	65	WOEX 030204	0.62	**15095**
KUB-T.2D.160.R.03-ABS50	V30 31601	**16**	50	98	32	67	WOEX 030204	0.62	**16095**
KUB-T.2D.170.R.03-ABS50	V30 31701	**17**	50	100	34	69	WOEX 030204	0.62	**17095**
KUB-T.2D.175.R.03-ABS50	V30 31751	**17.5**	50	102	36	71	WOEX 030204	0.62	**17595**
KUB-T.2D.180.R.03-ABS50	V30 31801	**18**	50	102	36	71	WOEX 030204	0.62	**18095**
KUB-T.2D.190.R.03-ABS50	V30 31901	**19**	50	104	38	73	WOEX 030204	0.62	**19095**
KUB-T.2D.200.R.04-ABS50	V30 32001	**20**	50	106	40	75	WOEX 040304	1.01	**20095**
KUB-T.2D.210.R.04-ABS50	V30 32101	**21**	50	108	42	77	WOEX 040304	1.01	**21095**
KUB-T.2D.220.R.04-ABS50	V30 32201	**22**	50	110	44	79	WOEX 040304	1.01	**22095**
KUB-T.2D.230.R.04-ABS50	V30 32301	**23**	50	112	46	81	WOEX 040304	1.01	**23095**
KUB-T.2D.240.R.04-ABS50	V30 32401	**24**	50	114	48	83	WOEX 040304	1.01	**24095**
KUB-T.2D.250.R.05-ABS50	V30 32501	**25**	50	116	50	85	WOEX 05T304	1.28	**25095**
KUB-T.2D.260.R.05-ABS50	V30 32601	**26**	50	118	52	87	WOEX 05T304	1.28	**26095**
KUB-T.2D.270.R.05-ABS50	V30 32701	**27**	50	120	54	89	WOEX 05T304	1.28	**27095**
KUB-T.2D.280.R.05-ABS50	V30 32801	**28**	50	122	56	91	WOEX 05T304	1.28	**28095**
KUB-T.2D.290.R.05-ABS50	V30 32901	**29**	50	124	58	93	WOEX 05T304	1.28	**29095**
KUB-T.2D.300.R.05-ABS50	V30 33001	**30**	50	131	60	100	WOEX 05T304	1.28	**30095**
KUB-T.2D.310.R.05-ABS50	V30 33101	**31**	50	133	62	102	WOEX 05T304	1.28	**31095**
KUB-T.2D.320.R.05-ABS50	V30 33201	**32**	50	135	64	104	WOEX 05T304	1.28	**32095**
KUB-T.2D.330.R.05-ABS50	V30 33301	**33**	50	137	66	106	WOEX 05T304	1.28	**33095**
KUB-T.2D.340.R.05-ABS50	V30 33401	**34**	50	139	68	108	WOEX 05T304	1.28	**34095**
KUB-T.2D.350.R.05-ABS50	V30 33501	**35**	50	141	70	110	WOEX 05T304	1.28	**35095**
KUB-T.2D.360.R.05-ABS50	V30 33601	**36**	50	143	72	112	WOEX 05T304	1.28	**36095**
KUB-T.2D.370.R.06-ABS50	V30 33701	**37**	50	155	74	124	WOEX 06T304	2.8	**37095**
KUB-T.2D.380.R.06-ABS50	V30 33801	**38**	50	157	76	126	WOEX 06T304	2.8	**38095**
KUB-T.2D.390.R.06-ABS50	V30 33901	**39**	50	159	78	128	WOEX 06T304	2.8	**39095**
KUB-T.2D.400.R.06-ABS50	V30 34001	**40**	50	161	80	130	WOEX 06T304	2.8	**40095**
KUB-T.2D.410.R.06-ABS50	V30 34101	**41**	50	163	82	132	WOEX 06T304	2.8	**41095**
KUB-T.2D.420.R.06-ABS50	V30 34201	**42**	50	165	84	134	WOEX 06T304	2.8	**42095**
KUB-T.2D.430.R.06-ABS50	V30 34301	**43**	50	167	86	136	WOEX 06T304	2.8	**43095**
KUB-T.2D.440.R.06-ABS50	V30 34401	**44**	50	169	88	138	WOEX 06T304	2.8	**44095**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

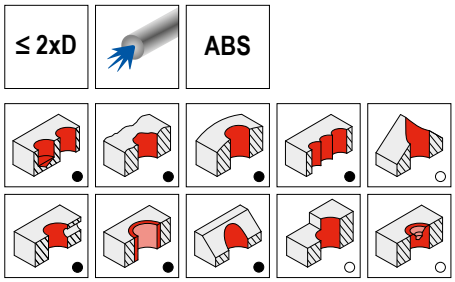
Matching holders can be found in → **Chapter 16 Adapters and accessories**

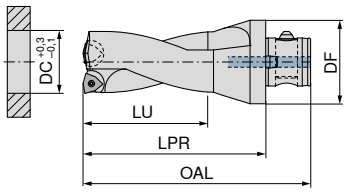
KUB Trigon – Indexable insert drill

▲ Tightening torque refers to the clamping screws of the indexable inserts

Scope of supply:

with insert seat (10 897 ...) incl. fixing screw, cylindrical pin and clamping screw
with insert seat (10 898 ...) incl. fixing screw, cylindrical pin and clamping screw





10 892 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.2D.450.R.08-ABS63	V13 34500	**45**	63	183	90	145	WOEX 080404	4.3	**45096**
KUB-T.2D.460.R.08-ABS63	V13 34600	**46**	63	185	92	147	WOEX 080404	4.3	**46096**
KUB-T.2D.470.R.08-ABS63	V13 34700	**47**	63	187	94	149	WOEX 080404	4.3	**47096**
KUB-T.2D.480.R.08-ABS63	V13 34800	**48**	63	189	96	151	WOEX 080404	4.3	**48096**
KUB-T.2D.490.R.08-ABS63	V13 34900	**49**	63	191	98	153	WOEX 080404	4.3	**49096**
KUB-T.2D.500.R.08-ABS63	V13 35000	**50**	63	193	100	155	WOEX 080404	4.3	**50096**
KUB-T.2D.510.R.08-ABS63	V13 35100	**51**	63	195	102	157	WOEX 080404	4.3	**51096**
KUB-T.2D.520.R.08-ABS63	V13 35200	**52**	63	197	104	159	WOEX 080404	4.3	**52096**
KUB-T.2D.530.R.08-ABS63	V13 35300	**53**	63	199	106	161	WOEX 080404	4.3	**53096**
KUB-T.2D.540.R.08-ABS63	V13 35400	**54**	63	201	108	163	WOEX 080404	4.3	**54096**
KUB-T.2D.550.R.10-ABS80	V14 35500	**55**	80	208	110	165	WOEX 100504	4.3	**55098**
KUB-T.2D.560.R.10-ABS80	V14 35600	**56**	80	210	112	167	WOEX 100504	4.3	**56098**
KUB-T.2D.570.R.10-ABS80	V14 35700	**57**	80	212	114	169	WOEX 100504	4.3	**57098**
KUB-T.2D.580.R.10-ABS80	V14 35800	**58**	80	214	116	171	WOEX 100504	4.3	**58098**
KUB-T.2D.590.R.10-ABS80	V14 35900	**59**	80	216	118	173	WOEX 100504	4.3	**59098**
KUB-T.2D.600.R.10-ABS80	V14 36000	**60**	80	218	120	175	WOEX 100504	4.3	**60098**
KUB-T.2D.610.R.10-ABS80	V14 36100	**61**	80	220	122	177	WOEX 100504	4.3	**61098**
KUB-T.2D.620.R.10-ABS80	V14 36200	**62**	80	222	124	179	WOEX 100504	4.3	**62098**
KUB-T.2D.630.R.10-ABS80	V14 36300	**63**	80	224	126	181	WOEX 100504	4.3	**63098**
KUB-T.2D.640.R.10-ABS80	V14 36400	**64**	80	226	128	183	WOEX 100504	4.3	**64098**
KUB-T.2D.650.R.10-ABS80	V14 36500	**65**	80	228	130	185	WOEX 100504	4.3	**65098**
KUB-T.2D.660.R.10-ABS80	V14 36600	**66**	80	230	132	187	WOEX 100504	4.3	**66098**
KUB-T.2D.670.R.10-ABS80	V14 36700	**67**	80	232	134	189	WOEX 100504	4.3	**67098**
KUB-T.2D.680.R.10-ABS80	V14 36800	**68**	80	234	136	191	WOEX 100504	4.3	**68098**
KUB-T.2D.690.R.12-ABS80	V14 36900	**69**	80	246	138	203	WOEX 120608	6.25	**69098**
KUB-T.2D.700.R.12-ABS80	V14 37000	**70**	80	248	140	205	WOEX 120608	6.25	**70098**
KUB-T.2D.710.R.12-ABS80	V14 37100	**71**	80	250	142	207	WOEX 120608	6.25	**71098**
KUB-T.2D.720.R.12-ABS80	V14 37200	**72**	80	252	144	209	WOEX 120608	6.25	**72098**
KUB-T.2D.730.R.12-ABS80	V14 37300	**73**	80	254	146	211	WOEX 120608	6.25	**73098**
KUB-T.2D.740.R.12-ABS80	V14 37400	**74**	80	256	148	213	WOEX 120608	6.25	**74098**
KUB-T.2D.750.R.12-ABS80	V14 37500	**75**	80	258	150	215	WOEX 120608	6.25	**75098**
KUB-T.2D.760.R.12-ABS80	V14 37600	**76**	80	260	152	217	WOEX 120608	6.25	**76098**
KUB-T.2D.770.R.12-ABS80	V14 37700	**77**	80	262	154	219	WOEX 120608	6.25	**77098**
KUB-T.2D.780.R.12-ABS80	V14 37800	**78**	80	264	156	221	WOEX 120608	6.25	**78098**
KUB-T.2D.790.R.12-ABS80	V14 37900	**79**	80	266	158	223	WOEX 120608	6.25	**79098**
KUB-T.2D.800.R.12-ABS80	V14 38000	**80**	80	268	160	225	WOEX 120608	6.25	**80098**
KUB-T.2D.810.R.12-ABS80	V14 38100	**81**	80	270	162	227	WOEX 120608	6.25	**81098**
KUB-T.2D.820.R.12-ABS80	V14 38200	**82**	80	272	164	229	WOEX 120608	6.25	**82098**

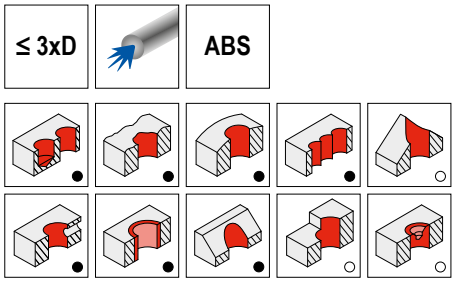
		 Screwdriver		 Clamping screw		 Fixing screw	
		80 950 ...		**10 950 ...**		**10 950 ...**	
Spare parts DC							
45 - 54	T15 - IP	**120**	M4.5x9 - 15IP	**12700**	M4.5x9 - 10IP	**17000**
55 - 68	T15 - IP	**120**	M4.5x9 - 15IP	**12700**	M4.5x9 - 10IP	**17000**
69 - 82	T20 - IP	**121**	M5.5x11 - 20IP	**17400**	M5.5x13.5 - 20IP	**17100**

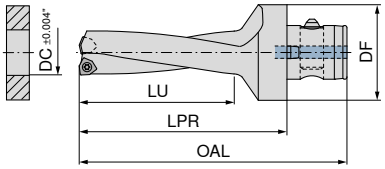
				 Cylindrical pin	 Insert seat, internal	 Insert seat, external	
				10 950 ...	**10 897 ...**	**10 898 ...**	
Spare parts DC							
45 - 54			Ø3	**17200**	**14800**	**14800**
55 - 68			Ø3	**17200**	**25300**	**25300**
69 - 82			Ø4	**17300**	**36000**	**36000**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





15 893 ...

Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	torque moment Nm	
KUB-T-U.3D.0562.R.03.ABS50-F	V40 21430	0.562	1.969	4.370	1.772	3.150	WOEX 030204	0.62	**14395**
KUB-T-U.3D.0593.R.03.ABS50-F	V40 21510	0.593	1.969	4.488	1.890	3.268	WOEX 030204	0.62	**15195**
KUB-T-U.3D.0625.R.03.ABS50-F	V40 21590	0.625	1.969	4.488	1.890	3.268	WOEX 030204	0.62	**15995**
KUB-T-U.3D.0656.R.03.ABS50-F	V40 21670	0.656	1.969	4.606	2.008	3.386	WOEX 030204	0.62	**16795**
KUB-T-U.3D.0703.R.03.ABS50-F	V40 21790	0.703	1.969	4.724	2.126	3.504	WOEX 030204	0.62	**17995**
KUB-T-U.3D.0750.R.03.ABS50-F	V40 21910	0.750	1.969	4.961	2.362	3.741	WOEX 030204	0.62	**19195**
KUB-T-U.3D.0765.R.03.ABS50-F	V40 21940	0.765	1.969	4.961	2.362	3.741	WOEX 030204	0.62	**19495**
KUB-T-U.3D.0781.R.03.ABS50-F	V40 21980	0.781	1.969	4.961	2.362	3.741	WOEX 030204	0.62	**19895**
KUB-T-U.3D.0812.R.04.ABS50-F	V40 22060	0.812	1.969	5.079	2.480	3.859	WOEX 040304	1.01	**20695**
KUB-T-U.3D.0875.R.04.ABS50-F	V40 22220	0.875	1.969	5.315	2.717	4.095	WOEX 040304	1.01	**22295**
KUB-T-U.3D.0937.R.04.ABS50-F	V40 22380	0.937	1.969	5.433	2.835	4.213	WOEX 040304	1.01	**23895**
KUB-T-U.3D.1000.R.05.ABS50-F	V40 22540	1.000	1.969	5.669	3.071	4.449	WOEX 05T304	1.28	**25495**
KUB-T-U.3D.1031.R.05.ABS50-F	V40 22620	1.031	1.969	5.787	3.189	4.567	WOEX 05T304	1.28	**26295**
KUB-T-U.3D.1109.R.05.ABS50-F	V40 22820	1.109	1.969	6.024	3.425	4.804	WOEX 05T304	1.28	**28295**
KUB-T-U.3D.1125.R.05.ABS50-F	V40 22860	1.125	1.969	6.024	3.425	4.804	WOEX 05T304	1.28	**28695**
KUB-T-U.3D.1156.R.05.ABS50-F	V40 22940	1.156	1.969	6.142	3.543	4.922	WOEX 05T304	1.28	**29495**
KUB-T-U.3D.1187.R.05.ABS50-F	V40 23010	1.187	1.969	6.457	3.661	5.237	WOEX 05T304	1.28	**30195**
KUB-T-U.3D.1218.R.05.ABS50-F	V40 23090	1.218	1.969	6.457	3.661	5.237	WOEX 05T304	1.28	**30995**
KUB-T-U.3D.1250.R.05.ABS50-F	V40 23180	1.250	1.969	6.575	3.780	5.355	WOEX 05T304	1.28	**31895**
KUB-T-U.3D.1281.R.05.ABS50-F	V40 23250	1.281	1.969	6.693	3.898	5.473	WOEX 05T304	1.28	**32595**
KUB-T-U.3D.1312.R.05.ABS50-F	V40 23330	1.312	1.969	6.811	4.016	5.591	WOEX 05T304	1.28	**33395**
KUB-T-U.3D.1328.R.05.ABS50-F	V40 23370	1.328	1.969	6.811	4.016	5.591	WOEX 05T304	1.28	**33795**
KUB-T-U.3D.1375.R.05.ABS50-F	V40 23490	1.375	1.969	6.929	4.134	5.709	WOEX 05T304	1.28	**34995**
KUB-T-U.3D.1406.R.05.ABS50-F	V40 23570	1.406	1.969	7.047	4.252	5.827	WOEX 05T304	1.28	**35795**
KUB-T-U.3D.1437.R.05.ABS50-F	V40 23650	1.437	1.969	7.559	4.370	6.339	WOEX 05T304	1.28	**36595**
KUB-T-U.3D.1469.R.06.ABS50-F	V40 23730	1.469	1.969	7.677	4.488	6.457	WOEX 06T304	2.8	**37395**
KUB-T-U.3D.1500.R.06.ABS50-F	V40 23810	1.500	1.969	7.795	4.606	6.575	WOEX 06T304	2.8	**38195**
KUB-T-U.3D.1531.R.06.ABS50-F	V40 23890	1.531	1.969	7.795	4.606	6.575	WOEX 06T304	2.8	**38995**
KUB-T-U.3D.1562.R.06.ABS50-F	V40 23970	1.562	1.969	7.913	4.724	6.693	WOEX 06T304	2.8	**39795**
KUB-T-U.3D.1625.R.06.ABS50-F	V40 24130	1.625	1.969	8.150	4.961	6.930	WOEX 06T304	2.8	**41395**
KUB-T-U.3D.1656.R.06.ABS50-F	V40 24210	1.656	1.969	8.268	5.079	7.048	WOEX 06T304	2.8	**42195**
KUB-T-U.3D.1687.R.06.ABS50-F	V40 24280	1.687	1.969	8.268	5.079	7.048	WOEX 06T304	2.8	**42895**
KUB-T-U.3D.1750.R.06.ABS50-F	V40 24450	1.750	1.969	8.439	5.250	7.219	WOEX 06T304	2.8	**44595**


Screwdriver


Clamping screw

80 950 ... **10 950 ...**

Spare parts **DC**		
0.562 - 0.781	**123**	**10000**
0.812 - 0.937	**123**	**10700**
1.000 - 1.437	**125**	**10500**
1.469 - 1.750	**127**	**10600**

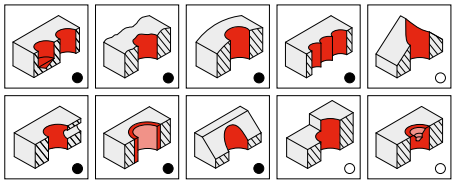
Matching holders can be found in → **Chapter 16 Adapters and accessories**

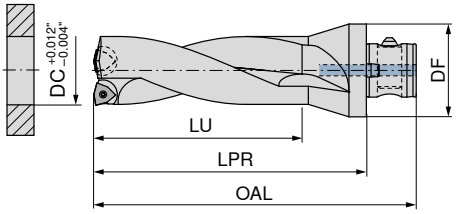
KUB Trigon – Indexable insert drill

▲ Tightening torque refers to clamping screw

Scope of supply:

with insert seat (10 897 ...) incl. fixing screw, cylindrical pin and clamping screw
with insert seat (10 898 ...) incl. fixing screw, cylindrical pin and clamping screw





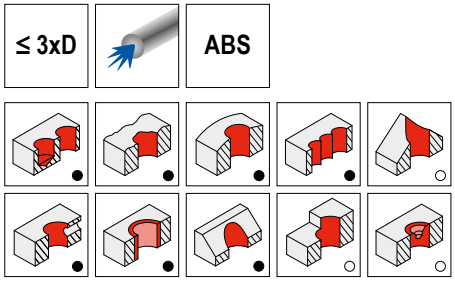
									10 893 ...	15 893 ...
Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	torque moment Nm		
KUB-T.3D.1781.R.08.ABS63-F	V13 74520	1.781	2.480	9.005	5.343	7.509	WOEX 080404	4.3		**45296**
KUB-T.3D.1812.R.08.ABS63	V13 74600	1.811	2.480	9.094	5.433	7.598	WOEX 080404	4.3	**46096**	
KUB-T.3D.1875.R.08.ABS63-F	V13 74760	1.875	2.480	9.287	5.625	7.791	WOEX 080404	4.3		**47696**
KUB-T.3D.1937.R.08.ABS63-F	V13 74920	1.937	2.480	9.473	5.811	7.977	WOEX 080404	4.3		**49296**
KUB-T.3D.1975.R.08.ABS63-F	V13 75020	1.975	2.480	9.587	5.925	8.091	WOEX 080404	4.3		**50296**
KUB-T.3D.2000.R.08.ABS63-F	V13 75080	2.000	2.480	9.662	6.000	8.166	WOEX 080404	4.3		**50896**
KUB-T.3D.2062.R.08.ABS63-F	V13 75240	2.062	2.480	10.028	6.186	8.532	WOEX 080404	4.3		**52496**
KUB-T.3D.2125.R.08.ABS63	V13 75400	2.126	2.480	10.039	6.378	8.543	WOEX 080404	4.3	**54096**	
KUB-T.3D.2165.R.10.ABS80	V14 75500	2.165	3.150	10.354	6.496	8.661	WOEX 100504	4.3	**55098**	
KUB-T.3D.2203.R.10.ABS80	V14 75600	2.205	3.150	10.472	6.614	8.780	WOEX 100504	4.3	**56098**	
KUB-T.3D.2250.R.10.ABS80-F	V14 75720	2.250	3.150	10.609	6.750	8.916	WOEX 100504	4.3		**57298**
KUB-T.3D.2281.R.10.ABS80-F	V14 75790	2.281	3.150	10.702	6.843	9.009	WOEX 100504	4.3		**57998**
KUB-T.3D.2375.R.10.ABS80-F	V14 76030	2.375	3.150	10.984	7.125	9.291	WOEX 100504	4.3		**60398**
KUB-T.3D.2437.R.10.ABS80-F	V14 76190	2.437	3.150	11.170	7.311	9.477	WOEX 100504	4.3		**61998**
KUB-T.3D.2500.R.10.ABS80-F	V14 76350	2.500	3.150	11.359	7.500	9.666	WOEX 100504	4.3		**63598**
KUB-T.3D.2593.R.10.ABS80-F	V14 76590	2.593	3.150	11.638	7.779	9.945	WOEX 100504	4.3		**65998**
KUB-T.3D.2625.R.10.ABS80-F	V14 76670	2.625	3.150	11.734	7.875	10.041	WOEX 100504	4.3		**66798**
KUB-T.3D.2656.R.10.ABS80-F	V14 76750	2.656	3.150	11.827	7.968	10.134	WOEX 100504	4.3		**67598**
KUB-T.3D.2750.R.12.ABS80-F	V14 76990	2.750	3.150	12.503	8.250	10.810	WOEX 120608	6.25		**69998**
KUB-T.3D.2875.R.12.ABS80	V14 77300	2.874	3.150	12.874	8.622	11.181	WOEX 120608	6.25	**73098**	
KUB-T.3D.3000.R.12.ABS80-F	V14 77620	3.000	3.150	13.253	9.000	11.560	WOEX 120608	6.25		**76298**
KUB-T.3D.3250.R.12.ABS80-F	V14 78260	3.250	3.150	14.003	9.750	12.310	WOEX 120608	6.25		**82698**

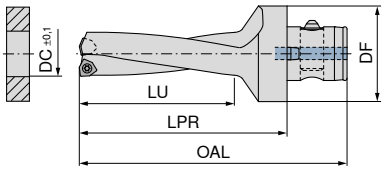
	 Cylindrical pin	 Insert seat, internal	 Insert seat, external	Screwdriver	 Clamping screw	 Fixing screw
	10 950 ...	**10 897 ...**	**10 898 ...**	**80 950 ...**	**10 950 ...**	**10 950 ...**
Spare parts DC						
1.781 - 2.126	**17200**	**14800**	**14800**	**120**	**12700**	**17000**
2.165 - 2.656	**17200**	**25300**	**25300**	**120**	**12700**	**17000**
2.750 - 3.250	**17300**	**36000**	**36000**	**121**	**17400**	**17100**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 893 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.3D.140.R.03-ABS50	V30 71403	**14**	50	108	42	77	WOEX 030204	0.62	**14095**
KUB-T.3D.150.R.03-ABS50	V30 71503	**15**	50	111	45	80	WOEX 030204	0.62	**15095**
KUB-T.3D.160.R.03-ABS50	V30 71601	**16**	50	114	48	83	WOEX 030204	0.62	**16095**
KUB-T.3D.170.R.03-ABS50	V30 71701	**17**	50	117	51	86	WOEX 030204	0.62	**17095**
KUB-T.3D.175.R.03-ABS50	V30 71751	**17.5**	50	120	54	89	WOEX 030204	0.62	**17595**
KUB-T.3D.180.R.03-ABS50	V30 71801	**18**	50	120	54	89	WOEX 030204	0.62	**18095**
KUB-T.3D.190.R.03-ABS50	V30 71901	**19**	50	123	57	92	WOEX 030204	0.62	**19095**
KUB-T.3D.200.R.04-ABS50	V30 72001	**20**	50	126	60	95	WOEX 040304	1.01	**20095**
KUB-T.3D.210.R.04-ABS50	V30 72101	**21**	50	129	63	98	WOEX 040304	1.01	**21095**
KUB-T.3D.220.R.04-ABS50	V30 72201	**22**	50	132	66	101	WOEX 040304	1.01	**22095**
KUB-T.3D.230.R.04-ABS50	V30 72301	**23**	50	135	69	104	WOEX 040304	1.01	**23095**
KUB-T.3D.240.R.04-ABS50	V30 72401	**24**	50	138	72	107	WOEX 040304	1.01	**24095**
KUB-T.3D.250.R.05-ABS50	V30 72501	**25**	50	141	75	110	WOEX 05T304	1.28	**25095**
KUB-T.3D.260.R.05-ABS50	V30 72601	**26**	50	144	78	113	WOEX 05T304	1.28	**26095**
KUB-T.3D.270.R.05-ABS50	V30 72701	**27**	50	147	81	116	WOEX 05T304	1.28	**27095**
KUB-T.3D.280.R.05-ABS50	V30 72801	**28**	50	150	84	119	WOEX 05T304	1.28	**28095**
KUB-T.3D.290.R.05-ABS50	V30 72901	**29**	50	153	87	122	WOEX 05T304	1.28	**29095**
KUB-T.3D.300.R.05-ABS50	V30 73001	**30**	50	161	90	130	WOEX 05T304	1.28	**30095**
KUB-T.3D.310.R.05-ABS50	V30 73101	**31**	50	164	93	133	WOEX 05T304	1.28	**31095**
KUB-T.3D.320.R.05-ABS50	V30 73201	**32**	50	167	96	136	WOEX 05T304	1.28	**32095**
KUB-T.3D.330.R.05-ABS50	V30 73301	**33**	50	170	99	139	WOEX 05T304	1.28	**33095**
KUB-T.3D.340.R.05-ABS50	V30 73401	**34**	50	173	102	142	WOEX 05T304	1.28	**34095**
KUB-T.3D.350.R.05-ABS50	V30 73501	**35**	50	176	105	145	WOEX 05T304	1.28	**35095**
KUB-T.3D.360.R.05-ABS50	V30 73601	**36**	50	179	108	148	WOEX 05T304	1.28	**36095**
KUB-T.3D.370.R.06-ABS50	V30 73701	**37**	50	192	111	161	WOEX 06T304	2.8	**37095**
KUB-T.3D.380.R.06-ABS50	V30 73801	**38**	50	195	114	164	WOEX 06T304	2.8	**38095**
KUB-T.3D.390.R.06-ABS50	V30 73901	**39**	50	198	117	167	WOEX 06T304	2.8	**39095**
KUB-T.3D.400.R.06-ABS50	V30 74001	**40**	50	201	120	170	WOEX 06T304	2.8	**40095**
KUB-T.3D.410.R.06-ABS50	V30 74101	**41**	50	204	123	173	WOEX 06T304	2.8	**41095**
KUB-T.3D.420.R.06-ABS50	V30 74201	**42**	50	207	126	176	WOEX 06T304	2.8	**42095**
KUB-T.3D.430.R.06-ABS50	V30 74301	**43**	50	210	129	179	WOEX 06T304	2.8	**43095**
KUB-T.3D.440.R.06-ABS50	V30 74401	**44**	50	213	132	182	WOEX 06T304	2.8	**44095**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

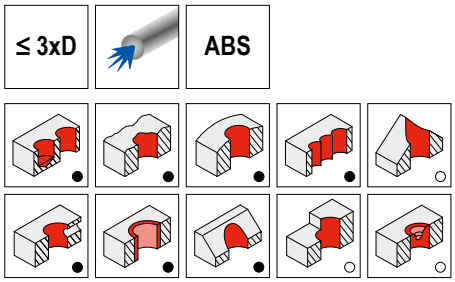
Matching holders can be found in → **Chapter 16 Adapters and accessories**

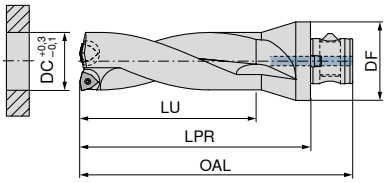
KUB Trigon – Indexable insert drill

▲ Tightening torque refers to the clamping screws of the indexable inserts

Scope of supply:

with insert seat (10 897 ...) incl. fixing screw, cylindrical pin and clamping screw
with insert seat (10 898 ...) incl. fixing screw, cylindrical pin and clamping screw





10 893 ...

Designation	KOMET no.	DC	DF	OAL	LU	LPR	Insert	torque moment	
		mm	mm	mm	mm	mm		Nm	
KUB-T.3D.450.R.08-ABS63	V13 74500	**45**	63	228	135	190	WOEX 080404	4.3	**45096**
KUB-T.3D.460.R.08-ABS63	V13 74600	**46**	63	231	138	193	WOEX 080404	4.3	**46096**
KUB-T.3D.470.R.08-ABS63	V13 74700	**47**	63	234	141	196	WOEX 080404	4.3	**47096**
KUB-T.3D.480.R.08-ABS63	V13 74800	**48**	63	237	144	199	WOEX 080404	4.3	**48096**
KUB-T.3D.490.R.08-ABS63	V13 74900	**49**	63	240	147	202	WOEX 080404	4.3	**49096**
KUB-T.3D.500.R.08-ABS63	V13 75000	**50**	63	243	150	205	WOEX 080404	4.3	**50096**
KUB-T.3D.510.R.08-ABS63	V13 75100	**51**	63	246	153	208	WOEX 080404	4.3	**51096**
KUB-T.3D.520.R.08-ABS63	V13 75200	**52**	63	249	156	211	WOEX 080404	4.3	**52096**
KUB-T.3D.530.R.08-ABS63	V13 75300	**53**	63	252	159	214	WOEX 080404	4.3	**53096**
KUB-T.3D.540.R.08-ABS63	V13 75400	**54**	63	255	162	217	WOEX 080404	4.3	**54096**
KUB-T.3D.550.R.10-ABS80	V14 75500	**55**	80	263	165	220	WOEX 100504	4.3	**55098**
KUB-T.3D.560.R.10-ABS80	V14 75600	**56**	80	266	168	223	WOEX 100504	4.3	**56098**
KUB-T.3D.570.R.10-ABS80	V14 75700	**57**	80	269	171	226	WOEX 100504	4.3	**57098**
KUB-T.3D.580.R.10-ABS80	V14 75800	**58**	80	272	174	229	WOEX 100504	4.3	**58098**
KUB-T.3D.590.R.10-ABS80	V14 75900	**59**	80	275	177	232	WOEX 100504	4.3	**59098**
KUB-T.3D.600.R.10-ABS80	V14 76000	**60**	80	278	180	235	WOEX 100504	4.3	**60098**
KUB-T.3D.610.R.10-ABS80	V14 76100	**61**	80	281	183	238	WOEX 100504	4.3	**61098**
KUB-T.3D.620.R.10-ABS80	V14 76200	**62**	80	284	186	241	WOEX 100504	4.3	**62098**
KUB-T.3D.630.R.10-ABS80	V14 76300	**63**	80	287	189	244	WOEX 100504	4.3	**63098**
KUB-T.3D.640.R.10-ABS80	V14 76400	**64**	80	290	192	247	WOEX 100504	4.3	**64098**
KUB-T.3D.650.R.10-ABS80	V14 76500	**65**	80	293	195	250	WOEX 100504	4.3	**65098**
KUB-T.3D.660.R.10-ABS80	V14 76600	**66**	80	296	198	253	WOEX 100504	4.3	**66098**
KUB-T.3D.670.R.10-ABS80	V14 76700	**67**	80	299	201	256	WOEX 100504	4.3	**67098**
KUB-T.3D.680.R.10-ABS80	V14 76800	**68**	80	302	204	259	WOEX 100504	4.3	**68098**
KUB-T.3D.690.R.12-ABS80	V14 76900	**69**	80	315	207	272	WOEX 120608	6.25	**69098**
KUB-T.3D.700.R.12-ABS80	V14 77000	**70**	80	318	210	275	WOEX 120608	6.25	**70098**
KUB-T.3D.710.R.12-ABS80	V14 77100	**71**	80	321	213	278	WOEX 120608	6.25	**71098**
KUB-T.3D.720.R.12-ABS80	V14 77200	**72**	80	324	216	281	WOEX 120608	6.25	**72098**
KUB-T.3D.730.R.12-ABS80	V14 77300	**73**	80	327	219	284	WOEX 120608	6.25	**73098**
KUB-T.3D.740.R.12-ABS80	V14 77400	**74**	80	330	222	287	WOEX 120608	6.25	**74098**
KUB-T.3D.750.R.12-ABS80	V14 77500	**75**	80	333	225	290	WOEX 120608	6.25	**75098**
KUB-T.3D.760.R.12-ABS80	V14 77600	**76**	80	336	228	293	WOEX 120608	6.25	**76098**
KUB-T.3D.770.R.12-ABS80	V14 77700	**77**	80	339	231	296	WOEX 120608	6.25	**77098**
KUB-T.3D.780.R.12-ABS80	V14 77800	**78**	80	342	234	299	WOEX 120608	6.25	**78098**
KUB-T.3D.790.R.12-ABS80	V14 77900	**79**	80	345	237	302	WOEX 120608	6.25	**79098**
KUB-T.3D.800.R.12-ABS80	V14 78000	**80**	80	348	240	305	WOEX 120608	6.25	**80098**
KUB-T.3D.810.R.12-ABS80	V14 78100	**81**	80	351	243	308	WOEX 120608	6.25	**81098**
KUB-T.3D.820.R.12-ABS80	V14 78200	**82**	80	354	246	311	WOEX 120608	6.25	**82098**

		 Screwdriver		 Clamping screw		 Fixing screw		
		80 950 ...		**10 950 ...**		**10 950 ...**		
Spare parts								
DC								
45 - 54	T15 - IP	**120**		M4.5x9 - 15IP	**12700**	M4.5x9 - 10IP	**17000**
55 - 68	T15 - IP	**120**		M4.5x9 - 15IP	**12700**	M4.5x9 - 10IP	**17000**
69 - 82	T20 - IP	**121**		M5.5x11 - 20IP	**17400**	M5.5x13.5 - 20IP	**17100**

				 Cylindrical pin		 Insert seat, internal		 Insert seat, external
				10 950 ...		**10 897 ...**		**10 898 ...**
Spare parts								
DC								
45 - 54			Ø3		**17200**		**14800**	**14800**
55 - 68			Ø3		**17200**		**25300**	**25300**
69 - 82			Ø4		**17300**		**36000**	**36000**

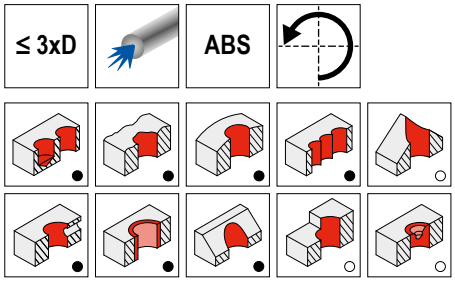
Matching holders can be found in → **Chapter 16 Adapters and accessories**

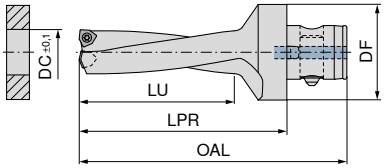
KUB Trigon – Indexable insert drill

▲ left-hand cutting

Scope of supply:

Indexable Insert Drill incl. clamping screws





11 893 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.3D.140.L.03-ABS50	V30 61402	**14**	50	108	42	77	WOEX 030204	0.62	**14095**
KUB-T.3D.150.L.03-ABS50	V30 61502	**15**	50	111	45	80	WOEX 030204	0.62	**15095**
KUB-T.3D.160.L.03-ABS50	V30 61600	**16**	50	114	48	83	WOEX 030204	0.62	**16095**
KUB-T.3D.170.L.03-ABS50	V30 61700	**17**	50	117	51	86	WOEX 030204	0.62	**17095**
KUB-T.3D.180.L.03-ABS50	V30 61800	**18**	50	120	54	89	WOEX 030204	0.62	**18095**
KUB-T.3D.190.L.03-ABS50	V30 61900	**19**	50	123	57	92	WOEX 030204	0.62	**19095**
KUB-T.3D.200.L.04-ABS50	V30 62000	**20**	50	126	60	95	WOEX 040304	1.01	**20095**
KUB-T.3D.210.L.04-ABS50	V30 62100	**21**	50	129	63	98	WOEX 040304	1.01	**21095**
KUB-T.3D.220.L.04-ABS50	V30 62200	**22**	50	132	66	101	WOEX 040304	1.01	**22095**
KUB-T.3D.230.L.04-ABS50	V30 62300	**23**	50	135	69	104	WOEX 040304	1.01	**23095**
KUB-T.3D.240.L.04-ABS50	V30 62400	**24**	50	138	72	107	WOEX 040304	1.01	**24095**
KUB-T.3D.250.L.05-ABS50	V30 62500	**25**	50	141	75	110	WOEX 05T304	1.28	**25095**
KUB-T.3D.260.L.05-ABS50	V30 62600	**26**	50	144	78	113	WOEX 05T304	1.28	**26095**
KUB-T.3D.270.L.05-ABS50	V30 62700	**27**	50	147	81	116	WOEX 05T304	1.28	**27095**
KUB-T.3D.280.L.05-ABS50	V30 62800	**28**	50	150	84	119	WOEX 05T304	1.28	**28095**
KUB-T.3D.290.L.05-ABS50	V30 62900	**29**	50	153	87	122	WOEX 05T304	1.28	**29095**
KUB-T.3D.300.L.05-ABS50	V30 63000	**30**	50	161	90	130	WOEX 05T304	1.28	**30095**
KUB-T.3D.310.L.05-ABS50	V30 63100	**31**	50	164	93	133	WOEX 05T304	1.28	**31095**
KUB-T.3D.320.L.05-ABS50	V30 63200	**32**	50	167	96	136	WOEX 05T304	1.28	**32095**
KUB-T.3D.330.L.05-ABS50	V30 63300	**33**	50	170	99	139	WOEX 05T304	1.28	**33095**
KUB-T.3D.340.L.05-ABS50	V30 63400	**34**	50	173	102	142	WOEX 05T304	1.28	**34095**
KUB-T.3D.350.L.05-ABS50	V30 63500	**35**	50	176	105	145	WOEX 05T304	1.28	**35095**
KUB-T.3D.360.L.05-ABS50	V30 63600	**36**	50	179	108	148	WOEX 05T304	1.28	**36095**
KUB-T.3D.370.L.06-ABS50	V30 63700	**37**	50	192	111	161	WOEX 06T304	2.8	**37095**
KUB-T.3D.380.L.06-ABS50	V30 63800	**38**	50	195	114	164	WOEX 06T304	2.8	**38095**
KUB-T.3D.390.L.06-ABS50	V30 63900	**39**	50	198	117	167	WOEX 06T304	2.8	**39095**
KUB-T.3D.400.L.06-ABS50	V30 64000	**40**	50	201	120	170	WOEX 06T304	2.8	**40095**
KUB-T.3D.410.L.06-ABS50	V30 64100	**41**	50	204	123	173	WOEX 06T304	2.8	**41095**
KUB-T.3D.420.L.06-ABS50	V30 64200	**42**	50	207	126	176	WOEX 06T304	2.8	**42095**
KUB-T.3D.430.L.06-ABS50	V30 64300	**43**	50	210	129	179	WOEX 06T304	2.8	**43095**
KUB-T.3D.440.L.06-ABS50	V30 64400	**44**	50	213	132	182	WOEX 06T304	2.8	**44095**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

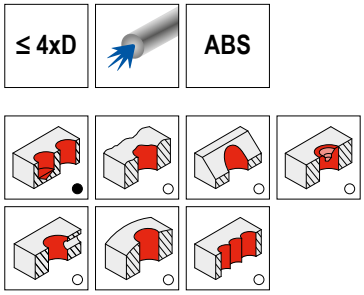
Spare parts

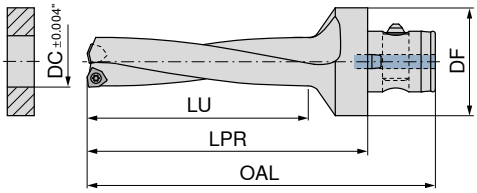
DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





Designation	KOMET no.	DC inch	DF inch	OAL inch	LU inch	LPR inch	Insert	torque moment Nm	10 894 ...	15 894 ...
KUB-T.4D.0562.R.03.ABS50-F	V30 91431	0.562	1.969	4.955	2.358	3.735	WOEX 030204	0.62		**14395**
KUB-T.4D.0593.R.03.ABS50-F	V30 91511	0.593	1.969	5.112	2.514	3.892	WOEX 030204	0.62		**15195**
KUB-T.4D.0625.R.03.ABS50-F	V30 91591	0.625	1.969	5.114	2.516	3.894	WOEX 030204	0.62		**15995**
KUB-T.4D.0656.R.03.ABS50-F	V30 91671	0.656	1.969	5.269	2.671	4.049	WOEX 030204	0.62		**16795**
KUB-T.4D.0687.R.03.ABS50-F	V30 91751	0.687	1.969	5.425	2.827	4.205	WOEX 030204	0.62		**17595**
KUB-T.4D.0703.R.03.ABS50-F	V30 91791	0.703	1.969	5.425	2.828	4.205	WOEX 030204	0.62		**17995**
KUB-T.4D.0750.R.03.ABS50-F	V30 91911	0.750	1.969	5.740	3.142	4.520	WOEX 030204	0.62		**19195**
KUB-T.4D.0765.R.03.ABS50-F	V30 91941	0.765	1.969	5.752	3.154	4.532	WOEX 030204	0.62		**19495**
KUB-T.4D.0781.R.03.ABS50-F	V30 91981	0.781	1.969	5.753	3.155	4.533	WOEX 030204	0.62		**19895**
KUB-T.4D.0812.R.04.ABS50-F	V30 92061	0.812	1.969	5.909	3.311	4.689	WOEX 040304	1.01		**20695**
KUB-T.4D.0828.R.04.ABS50	V30 92101	0.827	1.969	5.906	3.307	4.685	WOEX 040304	1.01	**21095**	
KUB-T.4D.0875.R.04.ABS50-F	V30 92221	0.875	1.969	6.224	3.626	5.004	WOEX 040304	1.01		**22295**
KUB-T.4D.0937.R.04.ABS50-F	V30 92381	0.937	1.969	6.377	3.779	5.157	WOEX 040304	1.01		**23895**
KUB-T.4D.0985.R.05.ABS50	V30 92501	0.984	1.969	6.535	3.937	5.315	WOEX 05T304	1.28	**25095**	
KUB-T.4D.1000.R.05.ABS50-F	V30 92541	1.000	1.969	6.692	4.094	5.472	WOEX 05T304	1.28		**25495**
KUB-T.4D.1031.R.05.ABS50-F	V30 92621	1.031	1.969	6.848	4.250	5.628	WOEX 05T304	1.28		**26295**
KUB-T.4D.1062.R.05.ABS50	V30 92701	1.063	1.969	6.850	4.252	5.630	WOEX 05T304	1.28	**27095**	
KUB-T.4D.1109.R.05.ABS50-F	V30 92821	1.109	1.969	7.160	4.562	5.940	WOEX 05T304	1.28		**28295**
KUB-T.4D.1125.R.05.ABS50-F	V30 92861	1.125	1.969	7.161	4.563	5.941	WOEX 05T304	1.28		**28695**
KUB-T.4D.1156.R.05.ABS50-F	V30 92941	1.156	1.969	7.316	4.718	6.096	WOEX 05T304	1.28		**29495**
KUB-T.4D.1187.R.05.ABS50-F	V30 93021	1.187	1.969	7.685	4.874	6.465	WOEX 05T304	1.28		**30195**
KUB-T.4D.1218.R.05.ABS50-F	V30 93091	1.218	1.969	7.699	4.888	6.479	WOEX 05T304	1.28		**30995**
KUB-T.4D.1250.R.05.ABS50-F	V30 93181	1.250	1.969	7.842	5.031	6.622	WOEX 05T304	1.28		**31895**
KUB-T.4D.1281.R.05.ABS50-F	V30 93251	1.281	1.969	8.014	5.203	6.794	WOEX 05T304	1.28		**32595**
KUB-T.4D.1312.R.05.ABS50-F	V30 93331	1.312	1.969	8.161	5.350	6.941	WOEX 05T304	1.28		**33395**
KUB-T.4D.1328.R.05.ABS50-F	V30 93371	1.328	1.969	8.170	5.359	6.950	WOEX 05T304	1.28		**33795**
KUB-T.4D.1375.R.05.ABS50-F	V30 93491	1.375	1.969	8.327	5.516	7.107	WOEX 05T304	1.28		**34995**
KUB-T.4D.1406.R.05.ABS50-F	V30 93571	1.406	1.969	8.482	5.671	7.262	WOEX 05T304	1.28		**35795**
KUB-T.4D.1437.R.05.ABS50-F	V30 93651	1.437	1.969	8.638	5.827	7.418	WOEX 05T304	1.28		**36595**
KUB-T.4D.1469.R.06.ABS50-F	V30 93731	1.469	1.969	9.175	5.986	7.955	WOEX 06T304	2.8		**37395**
KUB-T.4D.1500.R.06.ABS50-F	V30 93811	1.500	1.969	9.331	6.142	8.111	WOEX 06T304	2.8		**38195**
KUB-T.4D.1531.R.06.ABS50-F	V30 93891	1.531	1.969	9.329	6.140	8.109	WOEX 06T304	2.8		**38995**
KUB-T.4D.1562.R.06.ABS50-F	V30 93971	1.562	1.969	9.484	6.295	8.264	WOEX 06T304	2.8		**39795**
KUB-T.4D.1625.R.06.ABS50-F	V30 94131	1.625	1.969	9.799	6.610	8.579	WOEX 06T304	2.8		**41395**
KUB-T.4D.1656.R.06.ABS50-F	V30 94211	1.656	1.969	9.955	6.766	8.735	WOEX 06T304	2.8		**42195**
KUB-T.4D.1687.R.06.ABS50-F	V30 94291	1.687	1.969	9.953	6.764	8.733	WOEX 06T304	2.8		**42895**
KUB-T.4D.1750.R.06.ABS50-F	V30 94451	1.750	1.969	10.268	7.079	9.048	WOEX 06T304	2.8		**44595**


Screwdriver

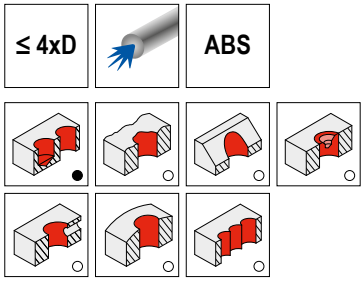

Clamping screw

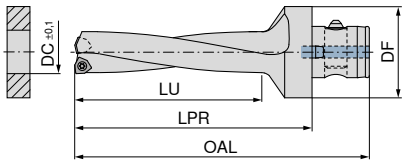
Spare parts DC	80 950 ...	10 950 ...
0.562 - 0.781	**123**	**10000**
0.812 - 0.937	**123**	**10700**
0.984 - 1.437	**125**	**10500**
1.469 - 1.750	**127**	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 894 ...

Designation	KOMET no.	DC mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.4D.140.R.03-ABS50	V30 91403	**14**	50	122	56	91	WOEX 030204	0.62	**14095**
KUB-T.4D.150.R.03-ABS50	V30 91503	**15**	50	126	60	95	WOEX 030204	0.62	**15095**
KUB-T.4D.160.R.03-ABS50	V30 91601	**16**	50	130	64	99	WOEX 030204	0.62	**16095**
KUB-T.4D.170.R.03-ABS50	V30 91701	**17**	50	134	68	103	WOEX 030204	0.62	**17095**
KUB-T.4D.180.R.03-ABS50	V30 91801	**18**	50	138	72	107	WOEX 030204	0.62	**18095**
KUB-T.4D.190.R.03-ABS50	V30 91901	**19**	50	142	76	111	WOEX 030204	0.62	**19095**
KUB-T.4D.200.R.04-ABS50	V30 92001	**20**	50	146	80	115	WOEX 040304	1.01	**20095**
KUB-T.4D.210.R.04-ABS50	V30 92101	**21**	50	150	84	119	WOEX 040304	1.01	**21095**
KUB-T.4D.220.R.04-ABS50	V30 92201	**22**	50	154	88	123	WOEX 040304	1.01	**22095**
KUB-T.4D.230.R.04-ABS50	V30 92301	**23**	50	158	92	127	WOEX 040304	1.01	**23095**
KUB-T.4D.240.R.04-ABS50	V30 92401	**24**	50	162	96	131	WOEX 040304	1.01	**24095**
KUB-T.4D.250.R.05-ABS50	V30 92501	**25**	50	166	100	135	WOEX 05T304	1.28	**25095**
KUB-T.4D.260.R.05-ABS50	V30 92601	**26**	50	170	104	139	WOEX 05T304	1.28	**26095**
KUB-T.4D.270.R.05-ABS50	V30 92701	**27**	50	174	108	143	WOEX 05T304	1.28	**27095**
KUB-T.4D.280.R.05-ABS50	V30 92801	**28**	50	178	112	147	WOEX 05T304	1.28	**28095**
KUB-T.4D.290.R.05-ABS50	V30 92901	**29**	50	182	116	151	WOEX 05T304	1.28	**29095**
KUB-T.4D.300.R.05-ABS50	V30 93001	**30**	50	191	120	160	WOEX 05T304	1.28	**30095**
KUB-T.4D.310.R.05-ABS50	V30 93101	**31**	50	195	124	164	WOEX 05T304	1.28	**31095**
KUB-T.4D.320.R.05-ABS50	V30 93201	**32**	50	199	128	168	WOEX 05T304	1.28	**32095**
KUB-T.4D.330.R.05-ABS50	V30 93301	**33**	50	203	132	172	WOEX 05T304	1.28	**33095**
KUB-T.4D.340.R.05-ABS50	V30 93401	**34**	50	207	136	176	WOEX 05T304	1.28	**34095**
KUB-T.4D.350.R.05-ABS50	V30 93501	**35**	50	211	140	180	WOEX 05T304	1.28	**35095**
KUB-T.4D.360.R.05-ABS50	V30 93601	**36**	50	215	144	184	WOEX 05T304	1.28	**36095**
KUB-T.4D.370.R.06-ABS50	V30 93701	**37**	50	229	148	198	WOEX 06T304	2.8	**37095**
KUB-T.4D.380.R.06-ABS50	V30 93801	**38**	50	233	152	202	WOEX 06T304	2.8	**38095**
KUB-T.4D.390.R.06-ABS50	V30 93901	**39**	50	237	156	206	WOEX 06T304	2.8	**39095**
KUB-T.4D.400.R.06-ABS50	V30 94001	**40**	50	241	160	210	WOEX 06T304	2.8	**40095**
KUB-T.4D.410.R.06-ABS50	V30 94101	**41**	50	245	164	214	WOEX 06T304	2.8	**41095**
KUB-T.4D.420.R.06-ABS50	V30 94201	**42**	50	249	168	218	WOEX 06T304	2.8	**42095**
KUB-T.4D.430.R.06-ABS50	V30 94301	**43**	50	253	172	222	WOEX 06T304	2.8	**43095**
KUB-T.4D.440.R.06-ABS50	V30 94401	**44**	50	257	176	226	WOEX 06T304	2.8	**44095**


Screwdriver

80 950 ...


Clamping screw

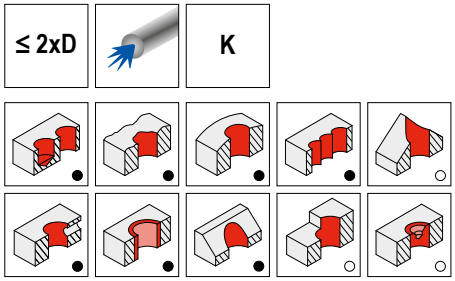
10 950 ...

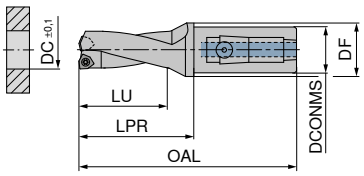
Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 892 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.2D.140.R.03-K20	V43 31404	**14**	20	30	102	28	52	WOEX 030204	0.62	**14011**
KUB-T.2D.150.R.03-K20	V43 31504	**15**	20	30	104	30	54	WOEX 030204	0.62	**15011**
KUB-T.2D.160.R.03-K20	V43 31602	**16**	20	30	106	32	56	WOEX 030204	0.62	**16011**
KUB-T.2D.170.R.03-K20	V43 31702	**17**	20	30	108	34	58	WOEX 030204	0.62	**17011**
KUB-T.2D.180.R.03-K20	V43 31802	**18**	20	30	110	36	60	WOEX 030204	0.62	**18011**
KUB-T.2D.190.R.03-K20	V43 31902	**19**	20	30	112	38	62	WOEX 030204	0.62	**19011**
KUB-T.2D.200.R.04-K25	V44 32002	**20**	25	30	120	40	64	WOEX 040304	1.01	**20012**
KUB-T.2D.210.R.04-K25	V44 32102	**21**	25	30	122	42	66	WOEX 040304	1.01	**21012**
KUB-T.2D.220.R.04-K25	V44 32202	**22**	25	30	124	44	68	WOEX 040304	1.01	**22012**
KUB-T.2D.230.R.04-K25	V44 32302	**23**	25	30	126	46	70	WOEX 040304	1.01	**23012**
KUB-T.2D.240.R.04-K25	V44 32402	**24**	25	30	128	48	72	WOEX 040304	1.01	**24012**
KUB-T.2D.250.R.05-K32	V45 32502	**25**	32	39	134	50	74	WOEX 05T304	1.28	**25013**
KUB-T.2D.260.R.05-K32	V45 32602	**26**	32	39	136	52	76	WOEX 05T304	1.28	**26013**
KUB-T.2D.270.R.05-K32	V45 32702	**27**	32	39	138	54	78	WOEX 05T304	1.28	**27013**
KUB-T.2D.280.R.05-K32	V45 32802	**28**	32	39	140	56	80	WOEX 05T304	1.28	**28013**
KUB-T.2D.290.R.05-K32	V45 32902	**29**	32	39	142	58	82	WOEX 05T304	1.28	**29013**
KUB-T.2D.300.R.05-K32	V45 33002	**30**	32	39	149	60	89	WOEX 05T304	1.28	**30013**
KUB-T.2D.310.R.05-K32	V45 33102	**31**	32	39	151	62	91	WOEX 05T304	1.28	**31013**
KUB-T.2D.320.R.05-K32	V45 33202	**32**	32	39	153	64	93	WOEX 05T304	1.28	**32013**
KUB-T.2D.330.R.05-K32	V45 33302	**33**	32	39	155	66	95	WOEX 05T304	1.28	**33013**
KUB-T.2D.340.R.05-K32	V45 33402	**34**	32	39	157	68	97	WOEX 05T304	1.28	**34013**
KUB-T.2D.350.R.05-K32	V45 33502	**35**	32	39	159	70	99	WOEX 05T304	1.28	**35013**
KUB-T.2D.360.R.05-K32	V45 33602	**36**	32	39	161	72	101	WOEX 05T304	1.28	**36013**
KUB-T.2D.370.R.06-K32	V45 33702	**37**	32	39	173	74	113	WOEX 06T304	2.8	**37013**
KUB-T.2D.380.R.06-K32	V45 33802	**38**	32	39	175	76	115	WOEX 06T304	2.8	**38013**
KUB-T.2D.390.R.06-K32	V45 33902	**39**	32	39	177	78	117	WOEX 06T304	2.8	**39013**
KUB-T.2D.400.R.06-K32	V45 34002	**40**	32	39	179	80	119	WOEX 06T304	2.8	**40013**
KUB-T.2D.410.R.06-K32	V45 34102	**41**	32	39	181	82	121	WOEX 06T304	2.8	**41013**
KUB-T.2D.420.R.06-K32	V45 34202	**42**	32	39	183	84	123	WOEX 06T304	2.8	**42013**
KUB-T.2D.430.R.06-K32	V45 34302	**43**	32	39	185	86	125	WOEX 06T304	2.8	**43013**
KUB-T.2D.440.R.06-K32	V45 34402	**44**	32	39	187	88	127	WOEX 06T304	2.8	**44013**

Screwdriver

80 950 ...

Clamping screw

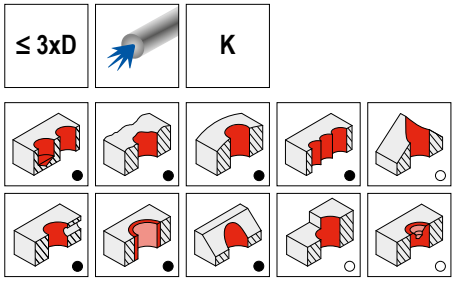
10 950 ...

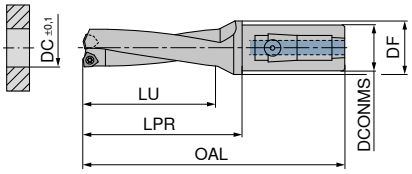
Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 893 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.3D.140.R.03-K20	V43 71404	**14**	20	30	116	42	66	WOEX 030204	0.62	**14011**
KUB-T.3D.150.R.03-K20	V43 71504	**15**	20	30	119	45	69	WOEX 030204	0.62	**15011**
KUB-T.3D.160.R.03-K20	V43 71602	**16**	20	30	122	48	72	WOEX 030204	0.62	**16011**
KUB-T.3D.170.R.03-K20	V43 71702	**17**	20	30	125	51	75	WOEX 030204	0.62	**17011**
KUB-T.3D.180.R.03-K20	V43 71802	**18**	20	30	128	54	78	WOEX 030204	0.62	**18011**
KUB-T.3D.190.R.03-K20	V43 71902	**19**	20	30	131	57	81	WOEX 030204	0.62	**19011**
KUB-T.3D.200.R.04-K25	V44 72002	**20**	25	30	140	60	84	WOEX 040304	1.01	**20012**
KUB-T.3D.210.R.04-K25	V44 72102	**21**	25	30	143	63	87	WOEX 040304	1.01	**21012**
KUB-T.3D.220.R.04-K25	V44 72202	**22**	25	30	146	66	90	WOEX 040304	1.01	**22012**
KUB-T.3D.230.R.04-K25	V44 72302	**23**	25	30	149	69	93	WOEX 040304	1.01	**23012**
KUB-T.3D.240.R.04-K25	V44 72402	**24**	25	30	152	72	96	WOEX 040304	1.01	**24012**
KUB-T.3D.250.R.05-K32	V45 72502	**25**	32	39	159	75	99	WOEX 05T304	1.28	**25013**
KUB-T.3D.260.R.05-K32	V45 72602	**26**	32	39	162	78	102	WOEX 05T304	1.28	**26013**
KUB-T.3D.270.R.05-K32	V45 72702	**27**	32	39	165	81	105	WOEX 05T304	1.28	**27013**
KUB-T.3D.280.R.05-K32	V45 72802	**28**	32	39	168	84	108	WOEX 05T304	1.28	**28013**
KUB-T.3D.290.R.05-K32	V45 72902	**29**	32	39	171	87	111	WOEX 05T304	1.28	**29013**
KUB-T.3D.300.R.05-K32	V45 73002	**30**	32	39	179	90	119	WOEX 05T304	1.28	**30013**
KUB-T.3D.310.R.05-K32	V45 73102	**31**	32	39	182	93	122	WOEX 05T304	1.28	**31013**
KUB-T.3D.320.R.05-K32	V45 73202	**32**	32	39	185	96	125	WOEX 05T304	1.28	**32013**
KUB-T.3D.330.R.05-K32	V45 73302	**33**	32	39	188	99	128	WOEX 05T304	1.28	**33013**
KUB-T.3D.340.R.05-K32	V45 73402	**34**	32	39	191	102	131	WOEX 05T304	1.28	**34013**
KUB-T.3D.350.R.05-K32	V45 73502	**35**	32	39	194	105	134	WOEX 05T304	1.28	**35013**
KUB-T.3D.360.R.05-K32	V45 73602	**36**	32	39	197	108	137	WOEX 05T304	1.28	**36013**
KUB-T.3D.370.R.06-K32	V45 73702	**37**	32	39	210	111	150	WOEX 06T304	2.8	**37013**
KUB-T.3D.380.R.06-K32	V45 73802	**38**	32	39	213	114	153	WOEX 06T304	2.8	**38013**
KUB-T.3D.390.R.06-K32	V45 73902	**39**	32	39	216	117	156	WOEX 06T304	2.8	**39013**
KUB-T.3D.400.R.06-K32	V45 74002	**40**	32	39	219	120	159	WOEX 06T304	2.8	**40013**
KUB-T.3D.410.R.06-K32	V45 74102	**41**	32	39	222	123	162	WOEX 06T304	2.8	**41013**
KUB-T.3D.420.R.06-K32	V45 74202	**42**	32	39	225	126	165	WOEX 06T304	2.8	**42013**
KUB-T.3D.430.R.06-K32	V45 74302	**43**	32	39	228	129	168	WOEX 06T304	2.8	**43013**
KUB-T.3D.440.R.06-K32	V45 74402	**44**	32	39	231	132	171	WOEX 06T304	2.8	**44013**


Screwdriver

80 950 ...


Clamping screw

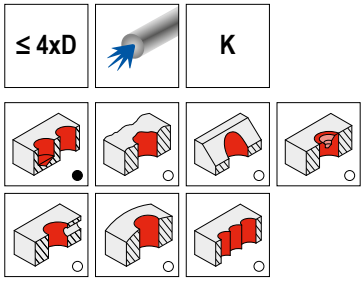
10 950 ...

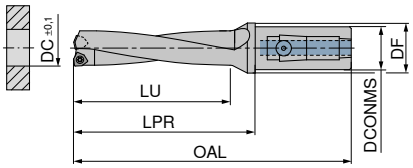
Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 36	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**
37 - 44	T10 - IP	**127**	M3.5x7.3 - 10IP	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





10 894 ...

Designation	KOMET no.	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	Insert	torque moment Nm	
KUB-T.4D.140.R.03-K20	V43 91404	**14**	20	30	130	56	80	WOEX 030204	0.62	**14011**
KUB-T.4D.150.R.03-K20	V43 91504	**15**	20	30	134	60	84	WOEX 030204	0.62	**15011**
KUB-T.4D.160.R.03-K20	V43 91602	**16**	20	30	138	64	88	WOEX 030204	0.62	**16011**
KUB-T.4D.170.R.03-K20	V43 91702	**17**	20	30	142	68	92	WOEX 030204	0.62	**17011**
KUB-T.4D.180.R.03-K20	V43 91802	**18**	20	30	146	72	96	WOEX 030204	0.62	**18011**
KUB-T.4D.190.R.03-K20	V43 91902	**19**	20	30	150	76	100	WOEX 030204	0.62	**19011**
KUB-T.4D.200.R.04-K25	V44 92002	**20**	25	30	160	80	104	WOEX 040304	1.01	**20012**
KUB-T.4D.210.R.04-K25	V44 92102	**21**	25	30	164	84	108	WOEX 040304	1.01	**21012**
KUB-T.4D.220.R.04-K25	V44 92202	**22**	25	30	168	88	112	WOEX 040304	1.01	**22012**
KUB-T.4D.230.R.04-K25	V44 92302	**23**	25	30	172	92	116	WOEX 040304	1.01	**23012**
KUB-T.4D.240.R.04-K25	V44 92402	**24**	25	30	176	96	120	WOEX 040304	1.01	**24012**
KUB-T.4D.250.R.05-K32	V45 92502	**25**	32	39	184	100	124	WOEX 05T304	1.28	**25013**
KUB-T.4D.260.R.05-K32	V45 92602	**26**	32	39	188	104	128	WOEX 05T304	1.28	**26013**
KUB-T.4D.270.R.05-K32	V45 92702	**27**	32	39	192	108	132	WOEX 05T304	1.28	**27013**
KUB-T.4D.280.R.05-K32	V45 92802	**28**	32	39	196	112	136	WOEX 05T304	1.28	**28013**
KUB-T.4D.290.R.05-K32	V45 92902	**29**	32	39	200	116	140	WOEX 05T304	1.28	**29013**
KUB-T.4D.300.R.05-K32	V45 93002	**30**	32	39	209	120	149	WOEX 05T304	1.28	**30013**
KUB-T.4D.310.R.05-K32	V45 93102	**31**	32	39	213	124	153	WOEX 05T304	1.28	**31013**
KUB-T.4D.320.R.05-K32	V45 93202	**32**	32	39	217	128	157	WOEX 05T304	1.28	**32013**
KUB-T.4D.330.R.05-K32	V45 93302	**33**	32	39	221	132	161	WOEX 05T304	1.28	**33013**
KUB-T.4D.340.R.05-K32	V45 93402	**34**	32	39	225	136	165	WOEX 05T304	1.28	**34013**
KUB-T.4D.350.R.05-K32	V45 93502	**35**	32	39	229	140	169	WOEX 05T304	1.28	**35013**

Screwdriver

80 950 ...

Clamping screw

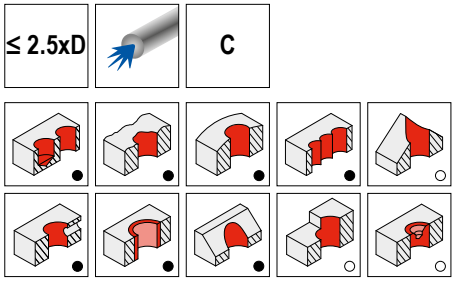
10 950 ...

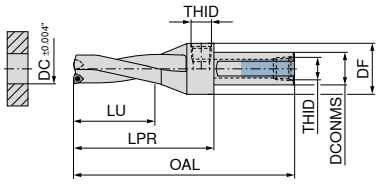
Spare parts DC				
14 - 19	T06 - IP	**123**	M2.0x4.3 - 06IP	**10000**
20 - 24	T06 - IP	**123**	M2.2x5.5 - 06IP	**10700**
25 - 35	T08 - IP	**125**	M2.5x7.2 - 08IP	**10500**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





15 896 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-T.2,5D.0562.R.03.C0750-EF	V57 41432	0.562	0.750	1.130	5.125	1.405	2.875	1/8" NPT	WOEX 030204	0.62	**14309**
KUB-T.2,5D.0593.R.03.C0750-EF	V57 41510	0.593	0.750	1.130	5.125	1.483	2.875	1/8" NPT	WOEX 030204	0.62	**15109**
KUB-T.2,5D.0625.R.03.C0750-EF	V57 41590	0.625	0.750	1.130	5.125	1.563	2.875	1/8" NPT	WOEX 030204	0.62	**15909**
KUB-T.2,5D.0687.R.03.C0750-E	V57 41750	0.687	0.750	1.130	5.375	1.718	3.125	1/8" NPT	WOEX 030204	0.62	**17509**
KUB-T.2,5D.0703.R.03.C0750-EF	V57 41790	0.703	0.750	1.130	5.375	1.758	3.125	1/8" NPT	WOEX 030204	0.62	**17909**
KUB-T.2,5D.0750.R.03.C0750-EF	V57 41910	0.750	0.750	1.130	5.375	1.875	3.125	1/8" NPT	WOEX 030204	0.62	**19109**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

Spare parts

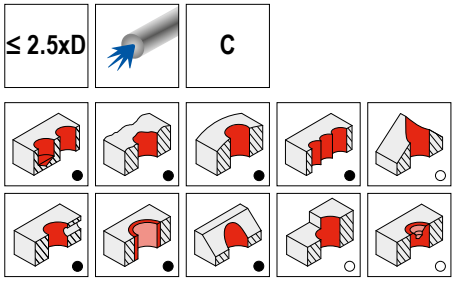
DC		
0.562 - 0.750	**123**	**10000**

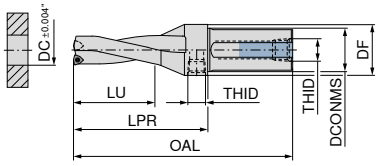
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





15 896 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-T.2,5D.0562.R.03.C1250-EF	V57 51434	0.562	1.250	1.575	6.125	1.405	2.875	1/8" NPT	WOEX 030204	0.62	**14301**
KUB-T.2,5D.0593.R.03.C1250-EF	V57 51512	0.593	1.250	1.575	6.125	1.483	2.875	1/8" NPT	WOEX 030204	0.62	**15101**
KUB-T.2,5D.0625.R.03.C1250-EF	V57 51592	0.625	1.250	1.575	6.125	1.563	2.875	1/8" NPT	WOEX 030204	0.62	**15901**
KUB-T.2,5D.0656.R.03.C1250-EF	V57 51672	0.656	1.250	1.575	6.375	1.718	3.125	1/8" NPT	WOEX 030204	0.62	**16701**
KUB-T.2,5D.0687.R.03.C1250-E	V57 51752	0.687	1.250	1.575	6.375	1.718	3.125	1/8" NPT	WOEX 030204	0.62	**17501**
KUB-T.2,5D.0703.R.03.C1250-EF	V57 51792	0.703	1.250	1.575	6.375	1.758	3.125	1/8" NPT	WOEX 030204	0.62	**17901**
KUB-T.2,5D.0750.R.03.C1250-EF	V57 51912	0.750	1.250	1.575	6.375	1.625	3.125	1/8" NPT	WOEX 030204	0.62	**19101**
KUB-T.2,5D.0765.R.03.C1250-EF	V57 51942	0.765	1.250	1.575	6.375	1.625	3.125	1/8" NPT	WOEX 030204	0.62	**19401**
KUB-T.2,5D.0781.R.03.C1250-EF	V57 51982	0.781	1.250	1.575	6.375	1.625	3.125	1/8" NPT	WOEX 030204	0.62	**19801**
KUB-T.2,5D.0812.R.04.C1250-EF	V57 52062	0.812	1.250	1.575	6.375	1.625	3.125	1/8" NPT	WOEX 040304	1.01	**20601**
KUB-T.2,5D.0828.R.04.C1250-E	V57 52102	0.828	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 040304	1.01	**21001**
KUB-T.2,5D.0843.R.04.C1250-EF	V57 52142	0.843	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 040304	1.01	**21401**
KUB-T.2,5D.0875.R.04.C1250-EF	V57 52222	0.875	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 040304	1.01	**22201**
KUB-T.2,5D.0906.R.04.C1250-E	V57 52302	0.906	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 040304	1.01	**23001**
KUB-T.2,5D.0937.R.04.C1250-EF	V57 52382	0.937	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 040304	1.01	**23801**
KUB-T.2,5D.0985.R.05.C1250-E	V57 52502	0.985	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 05T304	1.28	**25001**
KUB-T.2,5D.1000.R.05.C1250-EF	V57 52542	1.000	1.250	1.575	6.875	2.000	3.625	1/8" NPT	WOEX 05T304	1.28	**25401**
KUB-T.2,5D.1031.R.05.C1250-EF	V57 52622	1.031	1.250	1.575	7.562	2.750	4.312	1/8" NPT	WOEX 05T304	1.28	**26201**
KUB-T.2,5D.1062.R.05.C1250-E	V57 52702	1.062	1.250	1.575	7.562	2.750	4.312	1/8" NPT	WOEX 05T304	1.28	**27001**
KUB-T.2,5D.1109.R.05.C1250-EF	V57 52822	1.109	1.250	1.575	7.562	2.750	4.312	1/8" NPT	WOEX 05T304	1.28	**28201**
KUB-T.2,5D.1125.R.05.C1250-EF	V57 52862	1.125	1.250	1.575	7.562	2.750	4.312	1/8" NPT	WOEX 05T304	1.28	**28601**
KUB-T.2,5D.1156.R.05.C1250-EF	V57 52942	1.156	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**29401**
KUB-T.2,5D.1187.R.05.C1250-EF	V57 53022	1.187	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**30101**
KUB-T.2,5D.1218.R.05.C1250-EF	V57 53092	1.218	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**30901**
KUB-T.2,5D.1250.R.05.C1250-EF	V57 53182	1.250	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**31801**
KUB-T.2,5D.1281.R.05.C1250-E	V57 53252	1.281	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**32501**
KUB-T.2,5D.1312.R.05.C1250-EF	V57 53332	1.312	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**33301**
KUB-T.2,5D.1328.R.05.C1250-EF	V57 53372	1.328	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**33701**
KUB-T.2,5D.1375.R.05.C1250-EF	V57 53492	1.375	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**34901**
KUB-T.2,5D.1406.R.05.C1250-EF	V57 53572	1.406	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**35701**
KUB-T.2,5D.1437.R.05.C1250-E	V57 53652	1.437	1.250	1.575	8.250	3.250	5.000	1/8" NPT	WOEX 05T304	1.28	**36501**
KUB-T.2,5D.1469.R.06.C1250-EF	V57 53732	1.469	1.250	1.575	8.368	3.500	5.118	1/8" NPT	WOEX 06T304	2.8	**37301**
KUB-T.2,5D.1500.R.06.C1250-EF	V57 53812	1.500	1.250	1.575	8.368	3.500	5.118	1/8" NPT	WOEX 06T304	2.8	**38101**
KUB-T.2,5D.1531.R.06.C1250-EF	V57 53892	1.531	1.250	1.575	8.368	3.500	5.118	1/8" NPT	WOEX 06T304	2.8	**38911**
KUB-T.2,5D.1562.R.06.C1250-EF	V57 53972	1.562	1.250	1.575	8.368	3.500	5.118	1/8" NPT	WOEX 06T304	2.8	**39701**
KUB-T.2,5D.1625.R.06.C1250-EF	V57 54132	1.625	1.250	1.575	8.368	3.500	5.118	1/8" NPT	WOEX 06T304	2.8	**41301**
KUB-T.2,5D.1656.R.06.C1500-EF	V57 54212	1.656	1.500	1.970	10.709	4.000	5.709	1/4" NPT	WOEX 06T304	2.8	**42102**
KUB-T.2,5D.1687.R.06.C1500-EF	V57 54262	1.687	1.500	1.970	10.709	4.000	5.709	1/4" NPT	WOEX 06T304	2.8	**42802**
KUB-T.2,5D.1750.R.06.C1500-EF	V57 54452	1.750	1.500	1.970	10.709	4.000	5.709	1/4" NPT	WOEX 06T304	2.8	**44502**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

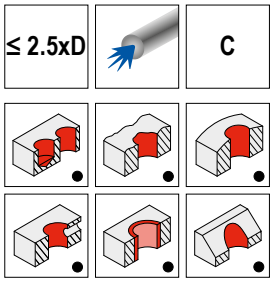
Spare parts DC		
0.562 - 0.781	**123**	**10000**
0.812 - 0.937	**123**	**10700**
0.985 - 1.437	**125**	**10500**
1.469 - 1.750	**127**	**10600**

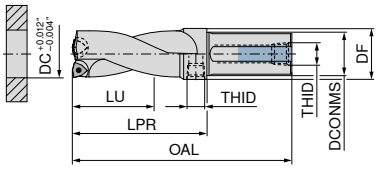
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:

with insert seat (10 897 ...) incl. fixing screw, cylindrical pin and clamping screw
with insert seat (10 898 ...) incl. fixing screw, cylindrical pin and clamping screw





15 896 ...

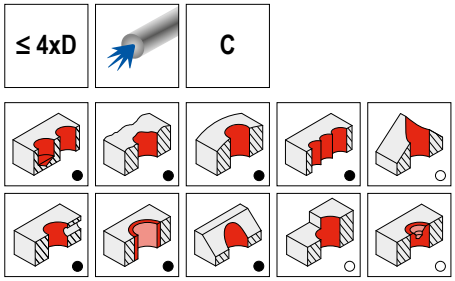
Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-T.2,5D.1812.R.08.C1500-E	V57 34602	1.812	1.500	1.969	10.709	4.000	5.709	1/4" NPT	WOEX 080404	4.3	**46002**
KUB-T.2,5D.1875.R.08.C1500-EF	V57 34762	1.875	1.500	1.969	10.709	4.000	5.709	1/4" NPT	WOEX 080404	4.3	**47602**
KUB-T.2,5D.1937.R.08.C1500-EF	V57 34922	1.937	1.500	1.969	11.890	5.000	6.890	1/4" NPT	WOEX 080404	4.3	**49202**
KUB-T.2,5D.2000.R.08.C1500-EF	V57 35082	2.000	1.500	1.969	11.890	5.000	6.890	1/4" NPT	WOEX 080404	4.3	**50802**
KUB-T.2,5D.2125.R.08.C1500-E	V57 35402	2.125	1.500	2.067	11.890	5.000	6.890	1/4" NPT	WOEX 080404	4.3	**54002**
KUB-T.2,5D.2250.R.10.C2000-EF	V57 35722	2.250	2.000	2.362	11.890	5.000	6.890	1/4" NPT	WOEX 100504	4.3	**57204**
KUB-T.2,5D.2375.R.10.C2000-EF	V57 36032	2.375	2.000	2.362	11.890	5.000	6.890	1/4" NPT	WOEX 100504	4.3	**60304**
KUB-T.2,5D.2500.R.10.C2000-EF	V57 36352	2.500	2.000	2.492	11.890	5.000	6.890	1/4" NPT	WOEX 100504	4.3	**63504**
KUB-T.2,5D.2750.R.12.C2000-EF	V57 36992	2.750	2.000	2.657	13.268	6.000	8.267	1/4" NPT	WOEX 120608	6.25	**69904**
KUB-T.2,5D.3000.R.12.C2000-EF	V57 37622	3.000	2.000	2.933	13.268	6.000	8.267	1/4" NPT	WOEX 120608	6.25	**76204**
KUB-T.2,5D.3250.R.12.C2000-EF	V57 38262	3.250	2.000	3.130	13.268	6.000	8.267	1/4" NPT	WOEX 120608	6.25	**82604**

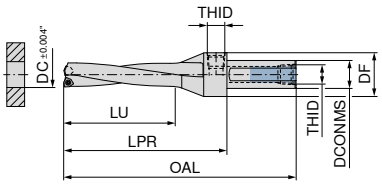
	 Cylindrical pin	 Insert seat, internal	 Insert seat, external	Screwdriver	 Clamping screw	 Fixing screw
	10 950 ...	**10 897 ...**	**10 898 ...**	**80 950 ...**	**10 950 ...**	**10 950 ...**
Spare parts						
DC						
1.812 - 2.125	**17200**	**14800**	**14800**	**120**	**12700**	**17000**
2.250 - 2.500	**17200**	**25300**	**25300**	**120**	**12700**	**17000**
2.750 - 3.250	**17300**	**36000**	**36000**	**121**	**17400**	**17100**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws





15 894 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-T.4D.0562.R.03.C0750-EF	V57 61432	0.562	0.750	1.130	5.875	2.248	3.625	1/8" NPT	WOEX 030204	0.62	**14309**
KUB-T.4D.0593.R.03.C0750-EF	V57 61510	0.593	0.750	1.130	6.000	2.372	3.750	1/8" NPT	WOEX 030204	0.62	**15109**
KUB-T.4D.0625.R.03.C0750-EF	V57 61590	0.625	0.750	1.130	6.128	2.500	3.878	1/8" NPT	WOEX 030204	0.62	**15909**
KUB-T.4D.0687.R.03.C0750-E	V57 61750	0.687	0.750	1.130	6.376	2.748	4.126	1/8" NPT	WOEX 030204	0.62	**17509**
KUB-T.4D.0703.R.03.C0750-EF	V57 61790	0.703	0.750	1.130	6.439	2.812	4.189	1/8" NPT	WOEX 030204	0.62	**17909**
KUB-T.4D.0750.R.03.C0750-EF	V57 61910	0.750	0.750	1.130	6.628	3.000	4.378	1/8" NPT	WOEX 030204	0.62	**19109**

Screwdriver

80 950 ...

Clamping screw

10 950 ...

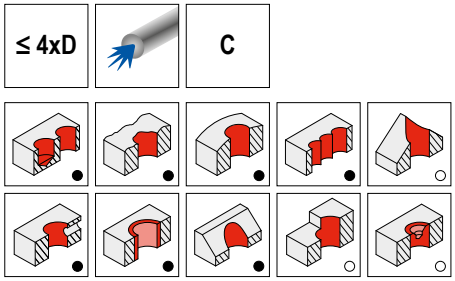
Spare parts DC		
0.562 - 0.750	**123**	**10000**

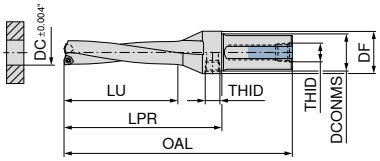
Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Trigon – Indexable insert drill

Scope of supply:

Indexable Insert Drill incl. clamping screws





15 894 ...

Designation	KOMET no.	DC inch	DCONMS inch	DF inch	OAL inch	LU inch	LPR inch	THID	Insert	torque moment Nm	
KUB-T.4D.0562.R.03.C1250-EF	V57 71434	0.562	1.250	1.575	6.875	2.248	3.625	1/8" NPT	WOEX 030204	0.62	**14301**
KUB-T.4D.0593.R.03.C1250-EF	V57 71512	0.593	1.250	1.575	7.000	2.372	3.750	1/8" NPT	WOEX 030204	0.62	**15101**
KUB-T.4D.0625.R.03.C1250-EF	V57 71592	0.625	1.250	1.575	7.128	2.500	3.878	1/8" NPT	WOEX 030204	0.62	**15901**
KUB-T.4D.0656.R.03.C1250-EF	V57 71672	0.656	1.250	1.575	7.252	2.624	4.002	1/8" NPT	WOEX 030204	0.62	**16701**
KUB-T.4D.0687.R.03.C1250-E	V57 71752	0.687	1.250	1.575	7.376	2.748	4.126	1/8" NPT	WOEX 030204	0.62	**17501**
KUB-T.4D.0703.R.03.C1250-EF	V57 71792	0.703	1.250	1.575	7.439	2.812	4.189	1/8" NPT	WOEX 030204	0.62	**17901**
KUB-T.4D.0750.R.03.C1250-EF	V57 71912	0.750	1.250	1.575	7.628	3.000	4.378	1/8" NPT	WOEX 030204	0.62	**19101**
KUB-T.4D.0765.R.03.C1250-EF	V57 71942	0.765	1.250	1.575	7.688	3.060	4.438	1/8" NPT	WOEX 030204	0.62	**19401**
KUB-T.4D.0781.R.03.C1250-EF	V57 71982	0.781	1.250	1.575	7.752	3.124	4.502	1/8" NPT	WOEX 030204	0.62	**19801**
KUB-T.4D.0812.R.04.C1250-EF	V57 72062	0.812	1.250	1.575	7.876	3.248	4.626	1/8" NPT	WOEX 040304	1.01	**20601**
KUB-T.4D.0828.R.04.C1250-E	V57 72102	0.828	1.250	1.575	7.940	3.312	4.690	1/8" NPT	WOEX 040304	1.01	**21001**
KUB-T.4D.0843.R.04.C1250-EF	V57 72142	0.843	1.250	1.575	8.000	3.372	4.750	1/8" NPT	WOEX 040304	1.01	**21401**
KUB-T.4D.0875.R.04.C1250-EF	V57 72222	0.875	1.250	1.575	8.128	3.500	4.878	1/8" NPT	WOEX 040304	1.01	**22201**
KUB-T.4D.0906.R.04.C1250-E	V57 72302	0.906	1.250	1.575	8.252	3.624	5.002	1/8" NPT	WOEX 040304	1.01	**23001**
KUB-T.4D.0937.R.04.C1250-EF	V57 72382	0.937	1.250	1.575	8.376	3.748	5.126	1/8" NPT	WOEX 040304	1.01	**23801**
KUB-T.4D.0985.R.05.C1250-E	V57 72502	0.985	1.250	1.575	8.568	3.940	5.318	1/8" NPT	WOEX 05T304	1.28	**25001**
KUB-T.4D.1000.R.05.C1250-EF	V57 72542	1.000	1.250	1.575	8.628	4.000	5.378	1/8" NPT	WOEX 05T304	1.28	**25401**
KUB-T.4D.1031.R.05.C1250-EF	V57 72622	1.031	1.250	1.575	8.752	4.124	5.502	1/8" NPT	WOEX 05T304	1.28	**26201**
KUB-T.4D.1062.R.05.C1250-E	V57 72702	1.062	1.250	1.575	8.876	4.248	5.626	1/8" NPT	WOEX 05T304	1.28	**27001**
KUB-T.4D.1109.R.05.C1250-EF	V57 72822	1.109	1.250	1.575	9.064	4.436	5.814	1/8" NPT	WOEX 05T304	1.28	**28201**
KUB-T.4D.1125.R.05.C1250-EF	V57 72862	1.125	1.250	1.575	9.128	4.500	5.878	1/8" NPT	WOEX 05T304	1.28	**28601**
KUB-T.4D.1156.R.05.C1250-EF	V57 72942	1.156	1.250	1.575	9.252	4.624	6.002	1/8" NPT	WOEX 05T304	1.28	**29401**
KUB-T.4D.1187.R.05.C1250-EF	V57 73022	1.187	1.250	1.575	9.589	4.748	6.339	1/8" NPT	WOEX 05T304	1.28	**30101**
KUB-T.4D.1218.R.05.C1250-EF	V57 73092	1.218	1.250	1.575	9.713	4.872	6.463	1/8" NPT	WOEX 05T304	1.28	**30901**
KUB-T.4D.1250.R.05.C1250-EF	V57 73182	1.250	1.250	1.575	9.841	5.000	6.591	1/8" NPT	WOEX 05T304	1.28	**31801**
KUB-T.4D.1281.R.05.C1250-E	V57 73252	1.281	1.250	1.575	9.965	5.124	6.715	1/8" NPT	WOEX 05T304	1.28	**32501**
KUB-T.4D.1312.R.05.C1250-EF	V57 73332	1.312	1.250	1.575	10.089	5.248	6.839	1/8" NPT	WOEX 05T304	1.28	**33301**
KUB-T.4D.1328.R.05.C1250-EF	V57 73372	1.328	1.250	1.575	10.137	5.312	6.887	1/8" NPT	WOEX 05T304	1.28	**33701**
KUB-T.4D.1375.R.05.C1250-EF	V57 73492	1.375	1.250	1.575	10.341	5.500	7.091	1/8" NPT	WOEX 05T304	1.28	**34901**
KUB-T.4D.1406.R.05.C1250-EF	V57 73572	1.406	1.250	1.575	10.449	5.624	7.199	1/8" NPT	WOEX 05T304	1.28	**35701**
KUB-T.4D.1437.R.05.C1250-E	V57 73652	1.437	1.250	1.575	10.589	5.748	7.339	1/8" NPT	WOEX 05T304	1.28	**36501**
KUB-T.4D.1469.R.06.C1250-EF	V57 73732	1.469	1.250	1.575	11.095	5.876	7.845	1/8" NPT	WOEX 06T304	2.8	**37301**
KUB-T.4D.1500.R.06.C1250-EF	V57 73812	1.500	1.250	1.575	11.219	6.000	7.969	1/8" NPT	WOEX 06T304	2.8	**38101**
KUB-T.4D.1531.R.06.C1250-EF	V57 73892	1.531	1.250	1.575	11.343	6.124	8.093	1/8" NPT	WOEX 06T304	2.8	**38901**
KUB-T.4D.1562.R.06.C1250-EF	V57 73972	1.562	1.250	1.575	11.467	6.248	8.217	1/8" NPT	WOEX 06T304	2.8	**39701**
KUB-T.4D.1625.R.06.C1250-EF	V57 74132	1.625	1.250	1.575	11.719	6.500	8.469	1/8" NPT	WOEX 06T304	2.8	**41301**
KUB-T.4D.1656.R.06.C1500-EF	V57 74212	1.656	1.500	1.970	13.593	6.624	8.593	1/4" NPT	WOEX 06T304	2.8	**42102**
KUB-T.4D.1687.R.06.C1500-EF	V57 74292	1.687	1.500	1.970	13.717	6.748	8.717	1/4" NPT	WOEX 06T304	2.8	**42802**
KUB-T.4D.1750.R.06.C1500-EF	V57 74452	1.750	1.500	1.970	13.969	7.000	8.969	1/4" NPT	WOEX 06T304	2.8	**44502**

Screwdriver

80 950 ...

Clamping screw

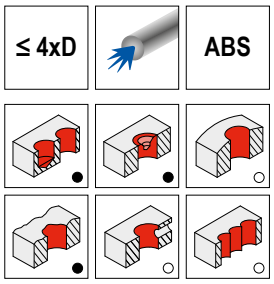
10 950 ...

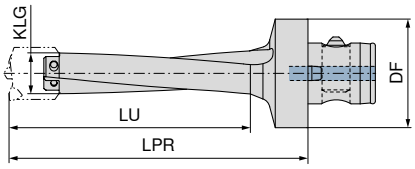
Spare parts DC		
0.562 - 0.781	**123**	**10000**
0.812 - 0.937	**123**	**10700**
0.985 - 1.437	**125**	**10500**
1.469 - 1.750	**127**	**10600**

Matching holders can be found in → **Chapter 16 Adapters and accessories**

KUB Centron – basic element

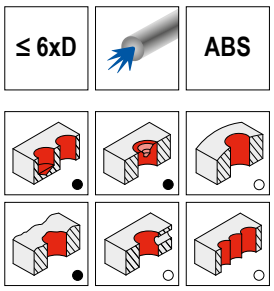
▲ KLG = Coupling Size

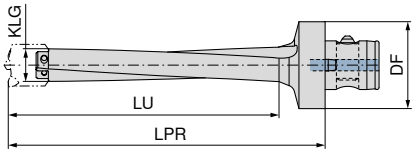




10 864 ...

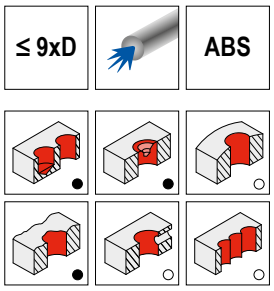
Designation	KOMET no.	DF inch	LU inch	LPR inch	KLG	
KUB-C.GH.4D.190-ABS50	V47 20201	1.969	4.449	5.709	19	19095
KUB-C.GH.4D.250-ABS50	V47 20261	1.969	5.118	6.299	25	25095
KUB-C.GH.4D.320-ABS50	V47 20331	1.969	6.299	7.677	32	32095
KUB-C.GH.4D.385-ABS63	V47 20401	2.480	7.283	9.252	38.5	38596
KUB-C.GH.4D.445-ABS80	V47 20461	3.150	8.465	11.024	44.5	44598
KUB-C.GH.4D.535-ABS80	V47 20551	3.150	10.236	12.795	53.5	53598
KUB-C.GH.4D.635-ABS80	V47 20651	3.150	11.614	14.764	63.5	63598
KUB-C.GH.4D.705-ABS100	V47 20721	3.937	12.795	15.945	70.5	70591

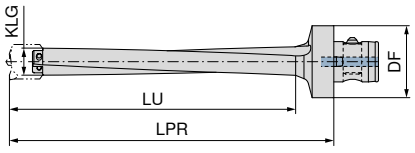




10 866 ...

Designation	KOMET no.	DF inch	LU inch	LPR inch	KLG	
KUB-C.GH.6D.190-ABS50	V47 40201	1.969	5.906	7.283	19	19095
KUB-C.GH.6D.250-ABS50	V47 40261	1.969	6.890	8.268	25	25095
KUB-C.GH.6D.320-ABS50	V47 40331	1.969	8.465	10.039	32	32095
KUB-C.GH.6D.385-ABS63	V47 40401	2.480	10.236	12.205	38.5	38596
KUB-C.GH.6D.445-ABS80	V47 40461	3.150	12.205	14.764	44.5	44598
KUB-C.GH.6D.535-ABS80	V47 40551	3.150	14.567	17.126	53.5	53598
KUB-C.GH.6D.635-ABS80	V47 40651	3.150	16.535	19.685	63.5	63598
KUB-C.GH.6D.705-ABS100	V47 40721	3.937	18.110	21.260	70.5	70591





10 869 ...

Designation	KOMET no.	DF inch	LU inch	LPR inch	KLG	
KUB-C.GH.9D.190-ABS50	V47 60201	1.969	7.874	9.252	19	19095
KUB-C.GH.9D.250-ABS50	V47 60261	1.969	9.055	10.236	25	25095
KUB-C.GH.9D.320-ABS50	V47 60331	1.969	11.417	12.992	32	32095
KUB-C.GH.9D.385-ABS63	V47 60401	2.480	13.386	15.354	38.5	38596
KUB-C.GH.9D.445-ABS80	V47 60461	3.150	16.339	18.898	44.5	44598
KUB-C.GH.9D.535-ABS80	V47 60551	3.150	19.488	22.047	53.5	53598
KUB-C.GH.9D.635-ABS80	V47 60651	3.150	22.047	25.197	63.5	63598
KUB-C.GH.9D.705-ABS100	V47 60721	3.937	24.016	27.165	70.5	70591

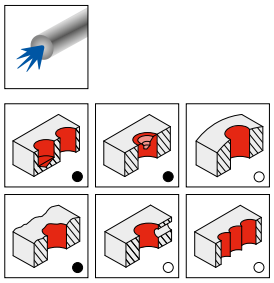
▲ For correct assembly, please observe the operating instructions provided.
▲ Matching holders can be found in → **Chapter 16 Adapters and accessories**.

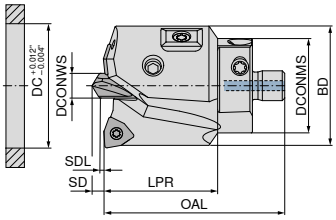
KUB Centron – drill head Ø 0.812–2.500 Inch

▲ The pre-assembled drill head is ready to use
▲ The center drill height must be set to the SD dimension
▲ Tightening torque refers to the clamping screw of the indexable inserts
▲ KLG = Coupling size

Scope of supply:

▲ Drill head incl. screws, guide pads and shim set
▲ Order center drill and indexable inserts separately





Designation	KOMET no.	DC inch	OAL inch	LPR inch	SD inch	BD inch	SDL inch	DCONMS inch	DCONWS inch	KLG	torque moment Nm	Insert	15 860 ...
KUB-C.BK.0812.R.03.19-F	V46 52060	0.812	1.440	0.910	0.089	0.768	0.039	0.748	0.197	19	0.62	WOEX 030204	**20600**
KUB-C.BK.0875.R.03.19-F	V46 52220	0.875	1.440	0.910	0.089	0.835	0.039	0.748	0.197	19	0.62	WOEX 030204	**22200**
KUB-C.BK.1000.R.03.19-F	V46 52540	1.000	1.440	0.910	0.089	0.961	0.039	0.748	0.197	19	0.62	WOEX 030204	**25400**
KUB-C.BK.1125.R.04.25-F	V46 52860	1.125	1.500	0.910	0.104	1.083	0.043	0.984	0.236	25	1.01	WOEX 040304	**28600**
KUB-C.BK.1250.R.04.25-F	V46 53180	1.250	1.500	0.910	0.104	1.211	0.043	0.984	0.236	25	1.01	WOEX 040304	**31800**
KUB-C.BK.1375.R.05.32-F	V46 53490	1.375	1.540	0.910	0.104	1.335	0.043	1.260	0.236	32	1.28	WOEX 05T304	**34900**
KUB-C.BK.1500.R.05.32-F	V46 53810	1.500	1.540	0.910	0.104	1.461	0.043	1.260	0.236	32	1.28	WOEX 05T304	**38100**
KUB-C.BK.1625.R.05.38,5-F	V46 54130	1.625	1.700	0.980	0.133	1.567	0.049	1.516	0.315	38.5	1.28	WOEX 05T304	**41300**
KUB-C.BK.1750.R.05.38,5-F	V46 54450	1.750	1.700	0.980	0.133	1.689	0.049	1.516	0.315	38.5	1.28	WOEX 05T304	**44500**
KUB-C.BK.1875.R.06.44,5-F	V46 54760	1.875	1.850	0.980	0.152	1.815	0.049	1.752	0.394	44.5	2.8	WOEX 06T304	**47600**
KUB-C.BK.2000.R.06.44,5-F	V46 55080	2.000	1.850	0.980	0.152	1.941	0.049	1.752	0.394	44.5	2.8	WOEX 06T304	**50800**
KUB-C.BK.2250.R.08.53,5-F	V46 55720	2.250	2.050	1.180	0.152	2.193	0.049	2.106	0.394	53.5	6.25	WOEX 080404	**57200**
KUB-C.BK.2375.R.08.53,5-F	V46 56030	2.375	2.050	1.180	0.152	2.315	0.049	2.106	0.394	53.5	6.25	WOEX 080404	**60300**
KUB-C.BK.2500.R.08.53,5-F	V46 56350	2.500	2.050	1.180	0.150	2.441	0.049	2.106	0.394	53.5	6.25	WOEX 080404	**63500**


Guide pad clamping screw


Indexable insert clamping screw


Guide pad


Shim set

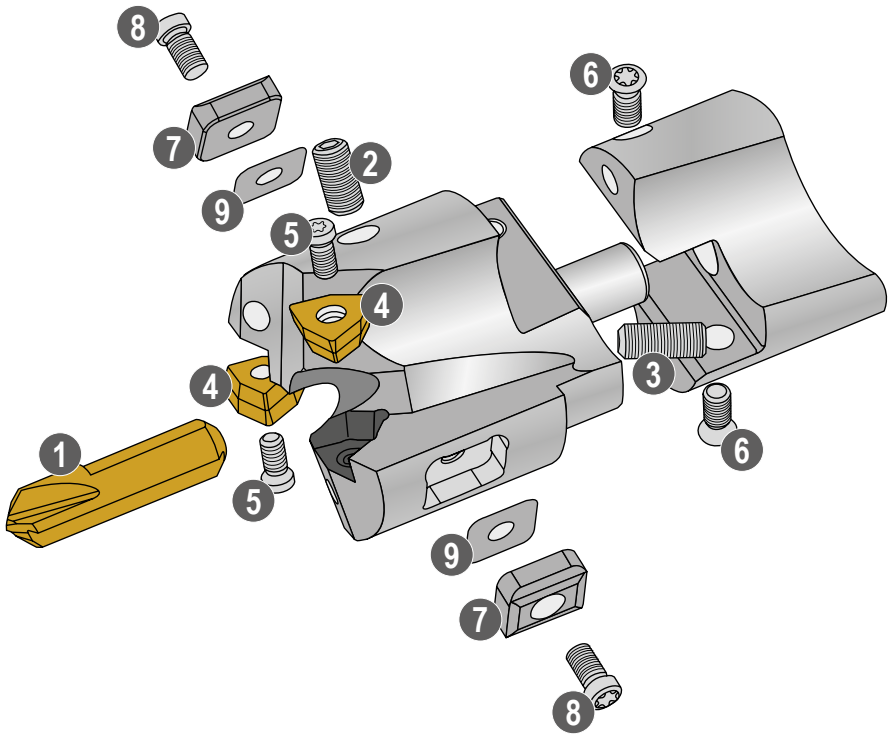
Spare parts DC						
			10 950 ...		**10 950 ...**	**10 950 ...**	**10 950 ...**
0.812 - 1.000	M2.5x4.2 - 8IP - 1.28Nm	**11900**	M2.0x4.3 - 06IP	**10000**	**14600**	**15200**
1.125 - 1.250	M2.5x4.5 - 8IP - 1.28Nm	**11700**	M2.2x5.5 - 06IP	**10700**	**14700**	**15200**
1.375 - 1.750	M2.5x4.5 - 8IP - 1.28Nm	**11700**	M2.5x7.2 - 08IP	**10500**	**14800**	**15200**
1.875 - 2.000	M3.5x5.0 - 8IP - 2.25Nm	**11800**	M3.5x7.3 - 10IP	**10600**	**15000**	**15300**
2.250 - 2.500	M3.5x5.0 - 8IP - 2.25Nm	**11800**	M4.5x9 - 15IP	**12700**	**15100**	**15300**


Basic element clamping screw


Center drill clamping screw

Spare parts DC				
	10 950 ...		**10 950 ...**	
0.812 - 1.000	M2.5x6.4 - 08IP - 1.28Nm	**12400**	M4x6 - SW2 - 1.5Nm	**12800**
1.125 - 1.250	M3x7.4 - 08IP - 2.25Nm	**12500**	M5x10 - SW2.5 - 2.5Nm	**13000**
1.375 - 1.750	M4x8.9 - 15IP - 4.3Nm	**12000**	M5x12 - SW2.5 - 2.5Nm	**13100**
1.875 - 2.000	M5x11.5 - 20IP - 6.25Nm	**12100**	M8x16 - SW4 - 8Nm	**13300**
2.250 - 2.500	M5.5x14 - 20IP - 6.25Nm	**12200**	M8x16 - SW4 - 8Nm	**13300**

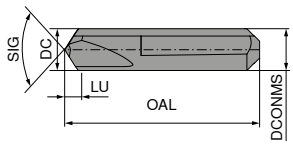
Exploded drawing of the drill head Ø 0.812–2.500 inch



1 Center drill
2 Clamping screw for center drill
3 Adjusting screw for center drill
4 Indexable Insert
5 Clamping screw for indexable insert
6 Clamping screw for basic element
7 Guide pad
8 Clamping screw for guide pad
9 Shim set for aligning the guide pads

For correct assembly, please observe the operating instructions provided.

KUB Centron – center drill



	ZP	ZP	ZP
	TiAlN/TiN	TiN	TiAlN
			
	SIG 120° Solid carbide	SIG 120° HSS	SIG 120° HSS
	10 863 ...	**10 862 ...**	**10 862 ...**

DC inch	KOMET no.	OAL inch	LU inch	DCONMS inch						
0.197	V95 10012.0089	0.906	0.089	0.197				**00500**		
0.197	V95 10012.0090	0.906	0.089	0.197						**10500**
0.197	V95 10310.8450	0.906	0.089	0.197	**20500**					
0.236	V95 10022.0089	0.906	0.104	0.236				**00600**		
0.236	V95 10022.0090	0.906	0.104	0.236						**10600**
0.236	V95 10320.8450	0.906	0.104	0.236	**20600**					
0.315	V95 10032.0089	1.063	0.133	0.315				**00800**		
0.315	V95 10032.0090	1.063	0.133	0.315						**10800**
0.315	V95 10330.8450	1.063	0.133	0.315	**20800**					
0.394	V95 10042.0089	1.102	0.152	0.394				**01000**		
0.394	V95 10042.0090	1.102	0.152	0.394						**11000**
0.394	V95 10340.8450	1.102	0.152	0.394	**21000**					
0.472	V95 10050.0089	1.213	0.184	0.472				**01200**		
0.472	V95 10050.0090	1.213	0.184	0.472						**11200**

P	●	●	
M	●		●
K	●		●
N	●	●	
S	○		●
H			
O	○	○	

→ v_c Page 90+91

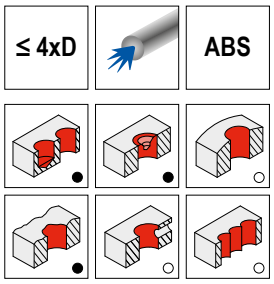
The cutting data of the KUB Centron depends on the center drill and not on the indexable inserts. Please select the cutting data of the center drill.

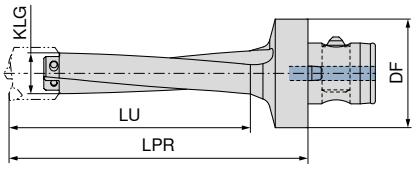
For correct assembly, please observe the operating instructions provided.

Article No. 10 863 ... is only suitable up to drilling depth 6xD.

KUB Centron – basic element

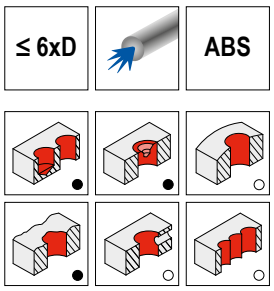
▲ KLG = Coupling Size

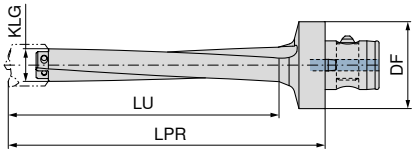




10 864 ...

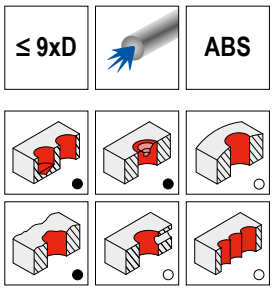
Designation	KOMET no.	DF mm	LU mm	LPR mm	KLG	
KUB-C.GH.4D.190-ABS50	V47 20201	50	113	145	19	19095
KUB-C.GH.4D.250-ABS50	V47 20261	50	130	160	25	25095
KUB-C.GH.4D.320-ABS50	V47 20331	50	160	195	32	32095
KUB-C.GH.4D.385-ABS63	V47 20401	63	185	235	38.5	38596
KUB-C.GH.4D.445-ABS80	V47 20461	80	215	280	44.5	44598
KUB-C.GH.4D.535-ABS80	V47 20551	80	260	325	53.5	53598
KUB-C.GH.4D.635-ABS80	V47 20651	80	295	375	63.5	63598
KUB-C.GH.4D.705-ABS100	V47 20721	100	325	405	70.5	70591

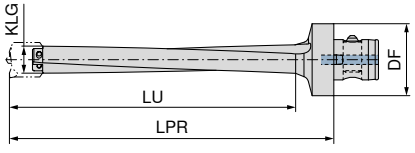




10 866 ...

Designation	KOMET no.	DF mm	LU mm	LPR mm	KLG	
KUB-C.GH.6D.190-ABS50	V47 40201	50	150	185	19	19095
KUB-C.GH.6D.250-ABS50	V47 40261	50	175	210	25	25095
KUB-C.GH.6D.320-ABS50	V47 40331	50	215	255	32	32095
KUB-C.GH.6D.385-ABS63	V47 40401	63	260	310	38.5	38596
KUB-C.GH.6D.445-ABS80	V47 40461	80	310	375	44.5	44598
KUB-C.GH.6D.535-ABS80	V47 40551	80	370	435	53.5	53598
KUB-C.GH.6D.635-ABS80	V47 40651	80	420	500	63.5	63598
KUB-C.GH.6D.705-ABS100	V47 40721	100	460	540	70.5	70591





10 869 ...

Designation	KOMET no.	DF mm	LU mm	LPR mm	KLG	
KUB-C.GH.9D.190-ABS50	V47 60201	50	200	235	19	19095
KUB-C.GH.9D.250-ABS50	V47 60261	50	230	260	25	25095
KUB-C.GH.9D.320-ABS50	V47 60331	50	290	330	32	32095
KUB-C.GH.9D.385-ABS63	V47 60401	63	340	390	38.5	38596
KUB-C.GH.9D.445-ABS80	V47 60461	80	415	480	44.5	44598
KUB-C.GH.9D.535-ABS80	V47 60551	80	495	560	53.5	53598
KUB-C.GH.9D.635-ABS80	V47 60651	80	560	640	63.5	63598
KUB-C.GH.9D.705-ABS100	V47 60721	100	610	690	70.5	70591

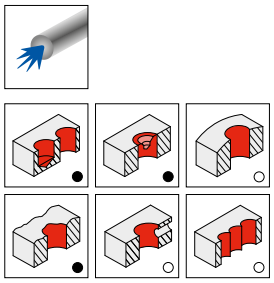
▲ For correct assembly, please observe the operating instructions provided.
▲ Matching holders can be found in → **Chapter 16 Adapters and accessories**.

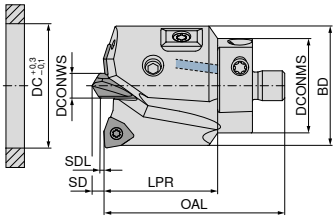
KUB Centron – drill head Ø 20–64 mm

- The pre-assembled drill head is ready to use
- The center drill height must be set to the SD dimension
- Tightening torque refers to the clamping screws of the indexable inserts
- KLG = Coupling size

Scope of supply:

- Drill head incl. screws, guide pads and shim set
- Order center drill and indexable inserts separately





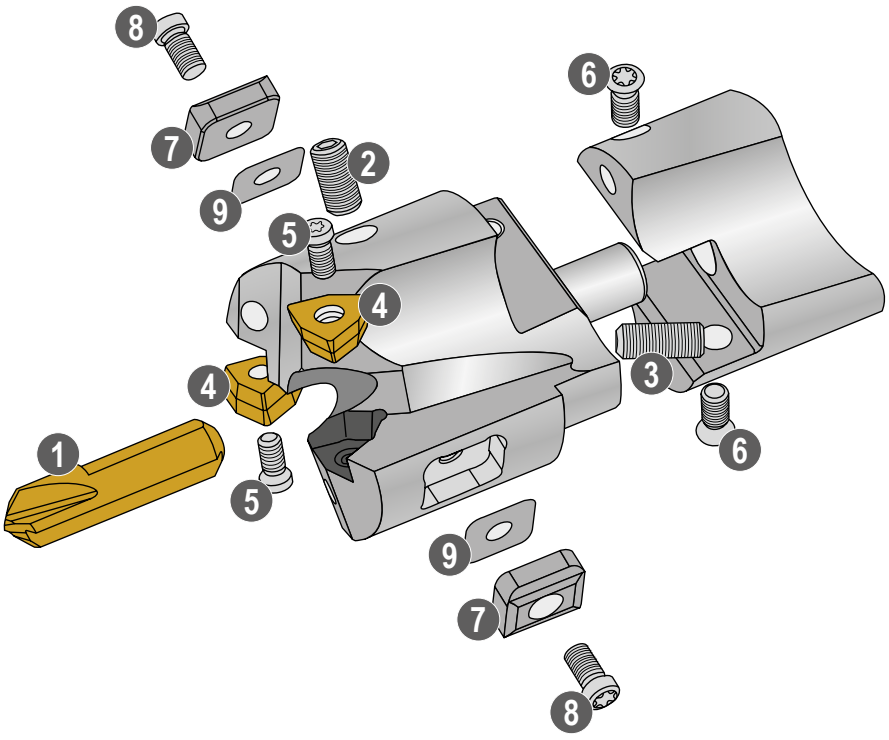
10 860 ...

Designation	KOMET no.	DC mm	OAL mm	LPR mm	SD mm	BD mm	SDL mm	DCONMS mm	DCONWS mm	KLG	Insert	torque moment Nm	
KUB-C.BK.200.R.03-19	V46 50201	**20**	36.5	23	2.25	19.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**20000**
KUB-C.BK.210.R.03-19	V46 50211	**21**	36.5	23	2.25	20.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**21000**
KUB-C.BK.220.R.03-19	V46 50221	**22**	36.5	23	2.25	21.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**22000**
KUB-C.BK.230.R.03-19	V46 50231	**23**	36.5	23	2.25	22.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**23000**
KUB-C.BK.240.R.03-19	V46 50241	**24**	36.5	23	2.25	23.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**24000**
KUB-C.BK.250.R.03-19	V46 50251	**25**	36.5	23	2.25	24.0	1.00	19.0	5	**19**	WOEX 030204	0.62	**25000**
KUB-C.BK.260.R.04-25	V46 50260	**26**	38.0	23	2.65	25.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**26000**
KUB-C.BK.270.R.04-25	V46 50270	**27**	38.0	23	2.65	26.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**27000**
KUB-C.BK.280.R.04-25	V46 50280	**28**	38.0	23	2.65	27.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**28000**
KUB-C.BK.290.R.04-25	V46 50290	**29**	38.0	23	2.65	28.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**29000**
KUB-C.BK.300.R.04-25	V46 50300	**30**	38.0	23	2.65	29.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**30000**
KUB-C.BK.310.R.04-25	V46 50310	**31**	38.0	23	2.65	30.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**31000**
KUB-C.BK.320.R.04-25	V46 50320	**32**	38.0	23	2.65	31.0	1.10	25.0	6	**25**	WOEX 040304	1.01	**32000**
KUB-C.BK.330.R.05-32	V46 50330	**33**	39.2	23	2.65	32.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**33000**
KUB-C.BK.340.R.05-32	V46 50340	**34**	39.2	23	2.65	33.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**34000**
KUB-C.BK.350.R.05-32	V46 50350	**35**	39.2	23	2.65	34.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**35000**
KUB-C.BK.360.R.05-32	V46 50360	**36**	39.2	23	2.65	35.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**36000**
KUB-C.BK.370.R.05-32	V46 50370	**37**	39.2	23	2.65	36.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**37000**
KUB-C.BK.380.R.05-32	V46 50380	**38**	39.2	23	2.65	37.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**38000**
KUB-C.BK.390.R.05-32	V46 50390	**39**	39.2	23	2.65	38.0	1.10	32.0	6	**32**	WOEX 05T304	1.28	**39000**
KUB-C.BK.400.R.05-38,5	V46 50400	**40**	43.1	25	3.38	38.5	1.25	38.5	8	**38,5**	WOEX 05T304	1.28	**40000**
KUB-C.BK.410.R.05-38,5	V46 50410	**41**	43.1	25	3.38	39.5	1.25	38.5	8	**38,5**	WOEX 05T304	1.28	**41000**
KUB-C.BK.420.R.05-38,5	V46 50420	**42**	43.1	25	3.38	40.5	1.09	38.5	8	**38,5**	WOEX 05T304	1.28	**42000**
KUB-C.BK.430.R.05-38,5	V46 50430	**43**	43.1	25	3.38	41.5	1.09	38.5	8	**38,5**	WOEX 05T304	1.28	**43000**
KUB-C.BK.440.R.05-38,5	V46 50440	**44**	43.1	25	3.38	42.5	1.25	38.5	8	**38,5**	WOEX 05T304	1.28	**44000**
KUB-C.BK.450.R.05-38,5	V46 50450	**45**	43.1	25	3.38	43.5	1.25	38.5	8	**38,5**	WOEX 05T304	1.28	**45000**
KUB-C.BK.460.R.06-44,5	V46 50460	**46**	47.0	25	3.86	44.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**46000**
KUB-C.BK.470.R.06-44,5	V46 50470	**47**	47.0	25	3.86	45.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**47000**
KUB-C.BK.480.R.06-44,5	V46 50480	**48**	47.0	25	3.86	46.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**48000**
KUB-C.BK.490.R.06-44,5	V46 50490	**49**	47.0	25	3.86	47.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**49000**
KUB-C.BK.500.R.06-44,5	V46 50500	**50**	47.0	25	3.86	48.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**50000**
KUB-C.BK.510.R.06-44,5	V46 50510	**51**	47.0	25	3.86	49.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**51000**
KUB-C.BK.520.R.06-44,5	V46 50520	**52**	47.0	25	3.86	50.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**52000**
KUB-C.BK.530.R.06-44,5	V46 50530	**53**	47.0	25	3.86	51.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**53000**
KUB-C.BK.540.R.06-44,5	V46 50540	**54**	47.0	25	3.86	52.5	1.25	44.5	10	**44,5**	WOEX 06T304	2.8	**54000**
KUB-C.BK.550.R.08-53,5	V46 50550	**55**	52.0	30	3.86	53.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**55000**
KUB-C.BK.560.R.08-53,5	V46 50560	**56**	52.0	30	3.86	54.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**56000**
KUB-C.BK.570.R.08-53,5	V46 50570	**57**	52.0	30	3.86	55.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**57000**
KUB-C.BK.580.R.08-53,5	V46 50580	**58**	52.0	30	3.86	56.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**58000**
KUB-C.BK.590.R.08-53,5	V46 50590	**59**	52.0	30	3.86	57.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**59000**
KUB-C.BK.600.R.08-53,5	V46 50600	**60**	52.0	30	3.86	58.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**60000**
KUB-C.BK.610.R.08-53,5	V46 50610	**61**	52.0	30	3.86	59.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**61000**
KUB-C.BK.620.R.08-53,5	V46 50620	**62**	52.0	30	3.86	60.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**62000**
KUB-C.BK.630.R.08-53,5	V46 50630	**63**	52.0	30	3.86	61.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**63000**
KUB-C.BK.640.R.08-53,5	V46 50640	**64**	52.0	30	3.86	62.5	1.25	53.5	10	**53,5**	WOEX 080404	6.25	**64000**

		Guide pad clamping screw		Indexable insert clamping screw		Guide pad		Shim set	
		10 950 ...		10 950 ...		10 950 ...		10 950 ...	
Spare parts DC									
20	M2.5x4.2 - 8IP - 1.28Nm	**11900**		M2.0x4.3 - 06IP	**10000**		**14600**		**15200**
21 - 22	M2.5x4.2 - 8IP - 1.28Nm	**11900**		M2.0x4.3 - 06IP	**10000**		**14600**		**15200**
23 - 25	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.0x4.3 - 06IP	**10000**		**14700**		**15200**
26 - 29	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.2x5.5 - 06IP	**10700**		**14700**		**15200**
30 - 32	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.2x5.5 - 06IP	**10700**		**14800**		**15200**
33 - 36	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.5x7.2 - 08IP	**10500**		**14800**		**15200**
37 - 39	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.5x7.2 - 08IP	**10500**		**14900**		**15200**
40 - 45	M2.5x4.5 - 8IP - 1.28Nm	**11700**		M2.5x7.2 - 08IP	**10500**		**14900**		**15200**
46 - 54	M3.5x5.0 - 8IP - 2.25Nm	**11800**		M3.5x7.3 - 10IP	**10600**		**15000**		**15300**
55 - 64	M3.5x5.0 - 8IP - 2.25Nm	**11800**		M4.5x9 - 15IP	**12700**		**15100**		**15300**

		Basic element clamping screw			Center drill clamping screw	
		10 950 ...			10 950 ...	
Spare parts DC						
20	M2.5x6.4 - 08IP - 1.28Nm	**12400**		M4x6 - SW2 - 1.5Nm		**12800**
21 - 22	M2.5x6.4 - 08IP - 1.28Nm	**12400**		M4x8 - SW2 - 1.5Nm		**12900**
23 - 25	M2.5x6.4 - 08IP - 1.28Nm	**12400**		M4x8 - SW2 - 1.5Nm		**12900**
26 - 29	M3x7.4 - 08IP - 2.25Nm	**12500**		M5x10 - SW2.5 - 2.5Nm		**13000**
30 - 32	M3x7.4 - 08IP - 2.25Nm	**12500**		M5x10 - SW2.5 - 2.5Nm		**13000**
33 - 36	M4x8.9 - 15IP - 4.3Nm	**12000**		M5x12 - SW2.5 - 2.5Nm		**13100**
37 - 39	M4x8.9 - 15IP - 4.3Nm	**12000**		M5x12 - SW2.5 - 2.5Nm		**13100**
40 - 45	M4.5x10.5 - 20IP - 6.25Nm	**12600**		M6x12 - SW3 - 5Nm		**13200**
46 - 54	M5x11.5 - 20IP - 6.25Nm	**12100**		M8x16 - SW4 - 8Nm		**13300**
55 - 64	M5.5x14 - 20IP - 6.25Nm	**12200**		M8x16 - SW4 - 8Nm		**13300**

Exploded drawing of the drill head Ø 20–64 mm



1. Center drill
2. Clamping screw for center drill
3. Adjusting screw for center drill
4. Indexable Insert
5. Clamping screw for indexable insert
6. Clamping screw for basic element
7. Guide pad
8. Clamping screw for guide pad
9. Shim set for aligning the guide pads

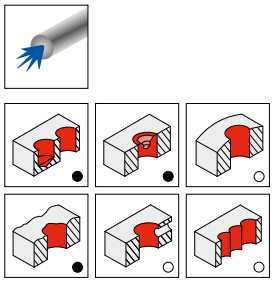
For correct assembly, please observe the operating instructions provided.

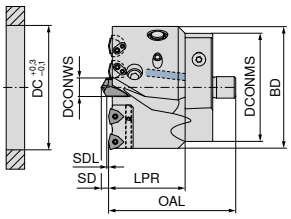
KUB Centron – drill head Ø 65–81 mm

▲ The pre-assembled drill head is ready to use
▲ The center drill height must be set to the SD dimension
▲ Tightening torque refers to the clamping screws of the indexable inserts
▲ Adjustable diameter of outer indexable insert seat
▲ KLG = Coupling size

Scope of supply:

Drill head incl. screws, indexable insert seats, carbide bolt, key, grub screw and copper disc
Order center drill and indexable inserts separately





10 860 ...

Designation	KOMET no.	DC	OAL	LPR	SD	BD	SDL	DCONMS	DCONWS	KLG	Insert	torque moment	
		mm	mm	mm	mm	mm	mm	mm	mm			Nm	
KUB-C.BK.650.R.05-63,5	V46 50650	**65**	63.0	35	4.67	63.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**65000**
KUB-C.BK.660.R.05-63,5	V46 50660	**66**	63.0	35	4.67	64.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**66000**
KUB-C.BK.670.R.05-63,5	V46 50670	**67**	63.0	35	4.67	65.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**67000**
KUB-C.BK.680.R.05-63,5	V46 50680	**68**	63.0	35	4.67	66.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**68000**
KUB-C.BK.690.R.05-63,5	V46 50690	**69**	63.0	35	4.67	67.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**69000**
KUB-C.BK.700.R.05-63,5	V46 50700	**70**	63.0	35	4.67	68.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**70000**
KUB-C.BK.710.R.05-63,5	V46 50710	**71**	63.0	35	4.67	69.5	1.45	63.5	12	**63,5**	WOEX 05T304	1.28	**71000**
KUB-C.BK.720.R.05-70,5	V46 50720	**72**	80.5	50	4.67	70.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**72000**
KUB-C.BK.730.R.05-70,5	V46 50730	**73**	80.5	50	4.67	71.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**73000**
KUB-C.BK.740.R.05-70,5	V46 50740	**74**	80.5	50	4.67	72.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**74000**
KUB-C.BK.750.R.05-70,5	V46 50750	**75**	80.5	50	4.67	73.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**75000**
KUB-C.BK.760.R.05-70,5	V46 50760	**76**	80.5	50	4.67	74.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**76000**
KUB-C.BK.770.R.05-70,5	V46 50770	**77**	80.5	50	4.67	75.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**77000**
KUB-C.BK.780.R.05-70,5	V46 50780	**78**	80.5	50	4.67	76.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**78000**
KUB-C.BK.790.R.05-70,5	V46 50790	**79**	80.5	50	4.67	77.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**79000**
KUB-C.BK.800.R.05-70,5	V46 50800	**80**	80.5	50	4.67	78.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**80000**
KUB-C.BK.810.R.05-70,5	V46 50810	**81**	80.5	50	4.67	79.5	1.45	70.5	12	**70,5**	WOEX 05T304	1.28	**81000**


Grub screw

10 950 ...


Copper disc

10 950 ...


Indexable insert fixing screw

10 950 ...


Indexable insert fixing screw

10 950 ...

Spare parts DC									
65 - 71	M6x8 - SW3	**11300**	Ø4.5x1.5	**11400**	M4.5x11.5 - T15	**13500**			
72 - 75	M6x8 - SW3	**11300**	Ø4.5x1.5	**11400**	M5x12 - SW2.5	**11000**	M2.5x6 - 08IP - 1.28Nm	**11600**	
76 - 78	M6x8 - SW3	**11300**	Ø4.5x1.5	**11400**	M5x12 - SW2.5	**11000**	M2.5x6 - 08IP - 1.28Nm	**11600**	
79 - 81	M6x8 - SW3	**11300**	Ø4.5x1.5	**11400**	M5x12 - SW2.5	**11000**	M2.5x6 - 08IP - 1.28Nm	**11600**	


Indexable insert seat

10 950 ...


Indexable insert seat

10 950 ...


Indexable insert seat

10 950 ...


Cylindrical pin

10 950 ...


Indexable insert adjusting screw

10 950 ...


Basic element clamping screw

10 950 ...

Spare parts DC									
65 - 71	**13800**					M4x8 - SW2	**11100**	M6x16 - 20IP - 6.25Nm	**12300**
72 - 75	**13900**	**13700**	**13600**	**11500**	M4x10 - SW2	**11200**	M6x16 - 20IP - 6.25Nm	**12300**	
76 - 78	**14000**	**13700**	**13600**	**11500**	M4x10 - SW2	**11200**	M6x16 - 20IP - 6.25Nm	**12300**	
79 - 81	**14100**	**13700**	**13600**	**11500**	M4x10 - SW2	**11200**	M6x16 - 20IP - 6.25Nm	**12300**	


Carbide bolt key

10 950 ...


Carbide bolt

10 950 ...


Indexable insert clamping screw

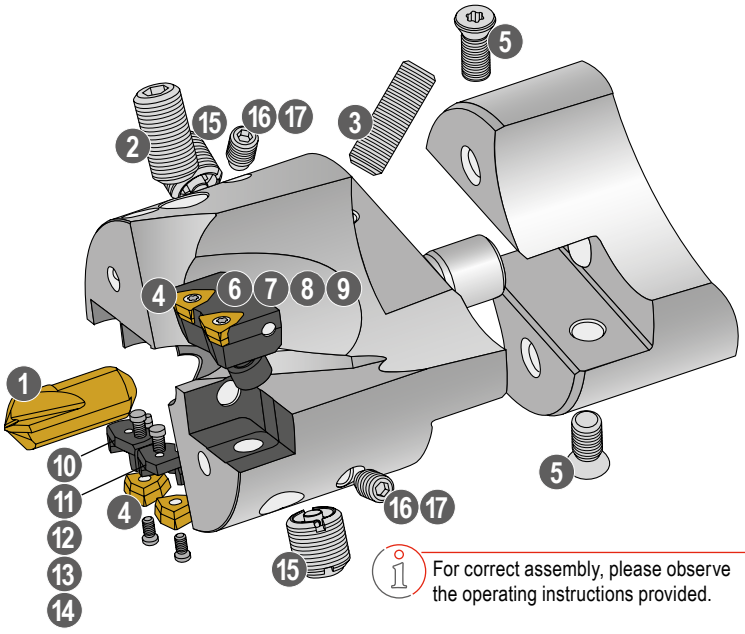
10 950 ...


Center drill clamping screw

10 950 ...

Spare parts DC									
65 - 71		**15500**	M12x1	**15400**	M2.5x7.2 - 08IP	**10500**	M10x20 - SW5 - 16Nm	**13400**	
72 - 75		**15500**	M12x1	**15400**	M2.5x7.2 - 08IP	**10500**	M10x20 - SW5 - 16Nm	**13400**	
76 - 78		**15500**	M12x1	**15400**	M2.5x7.2 - 08IP	**10500**	M10x20 - SW5 - 16Nm	**13400**	
79 - 81		**15500**	M12x1	**15400**	M2.5x7.2 - 08IP	**10500**	M10x20 - SW5 - 16Nm	**13400**	

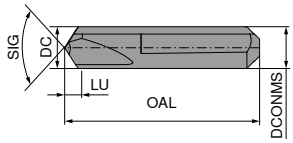
Drill head Ø 65–81 mm exploded view



For correct assembly, please observe the operating instructions provided.

1 Center drill
2 Clamping screw for center drill
3 Adjusting screw for center drill
4 Indexable Insert
5 Clamping screw for basic element
6 Indexable insert seat
7 Fixing screw for indexable insert
8 Adjusting screw for indexable insert
9 Clamping screw for indexable insert
10 Indexable insert seat
11 Indexable insert seat
12 Fixing screw for indexable insert
13 Cylindrical pin for indexable insert
14 Clamping screw for indexable insert
15 Carbide bolt
16 Grub screw
17 Copper disc

KUB Centron – center drill



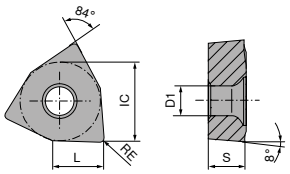
					ZP	ZP	ZP
					TiAlN/TiN	TiN	TiAlN
							
					SIG 120° Solid carbide	SIG 120° HSS	SIG 120° HSS
					10 863 ...	**10 862 ...**	**10 862 ...**
DC mm	KOMET no.	OAL mm	LU mm	DCONMS mm			
5	V95 10012.0089	23.0	2.25	5		**00500**	
5	V95 10012.0090	23.0	2.25	5			**10500**
5	V95 10310.8450	23.0	2.25	5	**20500**		
6	V95 10022.0089	23.0	2.65	6		**00600**	
6	V95 10022.0090	23.0	2.65	6			**10600**
6	V95 10320.8450	23.0	2.65	6	**20600**		
8	V95 10032.0089	27.0	3.38	8		**00800**	
8	V95 10032.0090	27.0	3.38	8			**10800**
8	V95 10330.8450	27.0	3.38	8	**20800**		
10	V95 10042.0089	28.0	3.86	10		**01000**	
10	V95 10042.0090	28.0	3.86	10			**11000**
10	V95 10340.8450	28.0	3.86	10	**21000**		
12	V95 10050.0089	30.8	4.67	12		**01200**	
12	V95 10050.0090	30.8	4.67	12			**11200**
P					●	●	
M					●		●
K					●		●
N					●	●	
S					○		●
H							
O					○	○	

→ v_c Page 102+103

▲ The cutting data of the KUB Centron depends on the center drill and not on the indexable inserts. Please select the cutting data of the center drill.
▲ Article No. 10 863 ... is only suitable up to drilling depth 6xD.

WOEX

Designation	L	IC	S	D1
	mm	mm	mm	mm
WOEX 0302..	3.2	5.00	2.30	2.30
WOEX 0403..	4.1	6.35	3.18	2.55
WOEX 05T3..	5.3	8.00	3.80	2.85
WOEX 06T3..	6.6	10.00	3.80	4.05
WOEX 0804..	7.9	12.00	4.80	4.90
WOEX 1005..	9.9	15.00	5.30	4.90
WOEX 1206..	11.6	17.60	6.00	5.95



WOEX

ISO	KOMET no.	RE	-01 BK8425	-01 BK7935	-01 BK6115	-01 BK7615	-01 BK62
		mm	WOEX	WOEX	WOEX	WOEX	WOEX
			10 821 ...	10 821 ...	10 821 ...	10 821 ...	10 821 ...
020102	W29 04010.027935	0.2		50201			
030204	W29 10010.046115	0.4			40301		
030204	W29 10010.0462	0.4					20301
030204	W29 10010.047615	0.4				05301	
030204	W29 10010.047935	0.4		50301			
030204	W29 10010.048425	0.4	30301				
040304	W29 18010.046115	0.4			40401		
040304	W29 18010.0462	0.4					20401
040304	W29 18010.047615	0.4				05401	
040304	W29 18010.047935	0.4		50401			
040304	W29 18010.048425	0.4	30401				
05T304	W29 24010.046115	0.4			40501		
05T304	W29 24010.0462	0.4					20501
05T304	W29 24010.047615	0.4				05501	
05T304	W29 24010.047935	0.4		50501			
05T304	W29 24010.048425	0.4	30501				
06T304	W29 34010.046115	0.4			40601		
06T304	W29 34010.0462	0.4					20601
06T304	W29 34010.047615	0.4				05601	
06T304	W29 34010.047935	0.4		50601			
06T304	W29 34010.048425	0.4	30601				
080404	W29 42010.046115	0.4			40801		
080404	W29 42010.0462	0.4					20801
080404	W29 42010.047615	0.4				05801	
080404	W29 42010.047935	0.4		50801			
080404	W29 42010.048425	0.4	30801				
100504	W29 50010.046115	0.4			41001		
100504	W29 50010.0462	0.4					21001
100504	W29 50010.047615	0.4				06001	
100504	W29 50010.047935	0.4		51001			
100504	W29 50010.048425	0.4	31001				
100508	W29 50010.088425	0.8	39001				
100508	W29 50010.087615	0.8				08001	
120608	W29 58010.086115	0.8			41201		
120608	W29 58010.0862	0.8					28201
120608	W29 58010.087615	0.8				08201	
120608	W29 58010.087935	0.8		53201			
120608	W29 58010.088425	0.8	31201				
P			●	●	●		
M			●	●	●		
K			●	●	●	●	●
N			○	○			
S			●	●			
H			○		○		○
O							

→ v_c Page 84+98

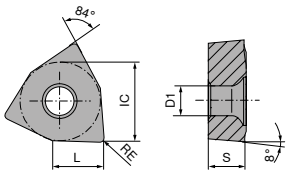
BK6115 -01 / BK8425 -03 are exclusively recommended for use on the peripheral cutting edge!

Further indexable inserts can be found in our online shop
cuttingtools.ceratizit.com

3

WOEX

Designation	L	IC	S	D1
	mm	mm	mm	mm
WOEX 0302..	3.2	5.00	2.30	2.30
WOEX 0403..	4.1	6.35	3.18	2.55
WOEX 05T3..	5.3	8.00	3.80	2.85
WOEX 06T3..	6.6	10.00	3.80	4.05
WOEX 0804..	7.9	12.00	4.80	4.90
WOEX 1005..	9.9	15.00	5.30	4.90
WOEX 1206..	11.6	17.60	6.00	5.95



WOEX

			-03 BK8425	-11 BK77	-11 BK7710	-13 BK8425	-13 BK79
							
			WOEX	WOEX	WOEX	WOEX	WOEX
			10 821 ...	10 821 ...	10 821 ...	10 821 ...	10 821 ...
ISO	KOMET no.	RE mm					
030204	W29 10110.047710	0.4			90311		
030204	W29 10130.0479	0.4					15313
030204	W29 10130.048425	0.4				30313	
030204	W29 10110.0477	0.4		80311			
030204	W29 10030.048425	0.4	30303				
040304	W29 18110.047710	0.4			90411		
040304	W29 18130.0479	0.4					15413
040304	W29 18130.048425	0.4				30413	
040304	W29 18110.0477	0.4		80411			
040304	W29 18030.048425	0.4	30403				
05T304	W29 24110.047710	0.4			90511		
05T304	W29 24130.0479	0.4					15513
05T304	W29 24130.048425	0.4				30513	
05T304	W29 24110.0477	0.4		80511			
05T304	W29 24030.048425	0.4	30503				
06T304	W29 34110.047710	0.4			90611		
06T304	W29 34130.0479	0.4					15613
06T304	W29 34130.048425	0.4				30613	
06T304	W29 34110.0477	0.4		80611			
06T304	W29 34030.048425	0.4	30603				
080404	W29 42110.047710	0.4			90811		
080404	W29 42130.0479	0.4					15813
080404	W29 42130.048425	0.4				30813	
080404	W29 42110.0477	0.4		80811			
080404	W29 42030.048425	0.4	30803				
100504	W29 50110.047710	0.4			91011		
100504	W29 50130.0479	0.4					16013
100504	W29 50130.048425	0.4				31013	
100504	W29 50110.0477	0.4		81011			
100504	W29 50030.048425	0.4	31003				
120608	W29 58130.088425	0.8				38213	
120608	W29 58130.0879	0.8					16213
120608	W29 58030.088425	0.8	33203				
P			●			●	●
M			●			●	●
K			●			●	●
N			○		●	○	○
S			●	●	○	●	
H			○	○	○	○	
O				○	○		

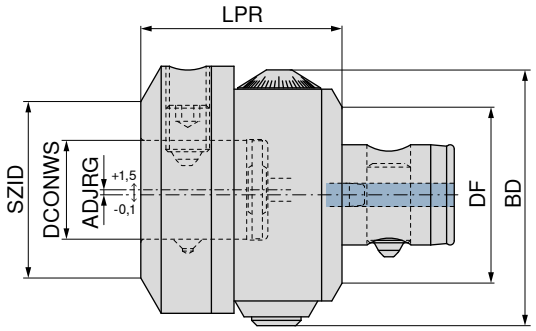
→ v_c Page 84+98

BK6115 -01 / BK8425 -03 are exclusively recommended for use on the peripheral cutting edge!

Further information on grades and chip breakers can be found on → **page 113+114**

Adjuster with ABS connection

- ▲ Precise adjustment using micrometric adjusting spindle
- ▲ Max. adjustment range 3 mm on diameter
- ▲ Graduation of scale 1 line 0.02 mm on diameter
- ▲ Stable clamping of the top section after adjustment using four clamping screws arranged on the face
- ▲ SZID = nominal size



AD

84 210 ...

Adapter	KOMET no.	BD mm	LPR mm	DF mm	DCONWS mm	ADJRG mm	SZID	
ABS 50	M01 00001	70	57	50	28	1.5	**ABS 50**	**05097**
ABS 63	M01 00011	88	70	63	28	1.5	**ABS 50**	**06397**
ABS 63	M01 00021	88	70	63	34	1.5	**ABS 63**	**06396**

Material examples for cutting data tables

	Material sub-group	Index	Composition / Structure / Heat treatment		Tensile strength lbf/in²* / HB / HRC	Material number	Material designation	Material number	Material designation
P	Unalloyed steel	P.1.1	< 0.15 % C	Annealed	60900 lbf/in² / 125 HB	1.0401	1015	1.0301	1010
		P.1.2	< 0.45 % C	Annealed	92800 lbf/in² / 190 HB	1.1191	1045	1.0737	12L14
		P.1.3		Tempered	121800 lbf/in² / 250 HB	1.1191	1045	1.0503	1043
		P.1.4	< 0.75 % C	Annealed	132000 lbf/in² / 270 HB	1.1223	1060	1.0535	1055
		P.1.5		Tempered	146500 lbf/in² / 300 HB	1.1223	1060	1.1274	1095
	Low-alloy steel	P.2.1		Annealed	88500 lbf/in² / 180 HB	1.7131	5115	1.6523	8620
		P.2.2		Tempered	134900 lbf/in² / 275 HB	1.7131	5115	1.6582	4340
		P.2.3		Tempered	146500 lbf/in² / 300 HB	1.7225	4142	1.7131	5115
		P.2.4		Tempered	174000 lbf/in² / 375 HB	1.7225	4142	17223	4140
	High-alloy steel and high-alloy tool steel	P.3.1		Annealed	98600 lbf/in² / 200 HB	1.4021	420	1.2379	D2
		P.3.2		Hardened and tempered	159500 lbf/in² / 300 HB	1.2343	H11	1.3343	M2
		P.3.3		Hardened and tempered	188500 lbf/in² / 400 HB	1.2343	H11	1.2363	A2
	Stainless steel	P.4.1	Ferritic / martensitic	Annealed	98600 lbf/in² / 200 HB	1.4016	430	1.4125	440C
		P.4.2	Martensitic	Tempered	117500 lbf/in² / 250 HB	1.4112	S44003	1.4021	420
M	Stainless steel	M.1.1	Austenitic / austenitic-ferritic	Quenched	88500 lbf/in² / 200 HB	1.4301	304	1.4401	316
		M.2.1	Austenitic	Tempered	300 HB	1.4841	314	1.4568	17-7 PH
		M.3.1	Austenitic / ferritic (Duplex)		113100 lbf/in² / 230 HB	1.4462	S32205	1.4410	S32750
K	Grey cast iron	K.1.1	Pearlitic / ferritic		88500 lbf/in² / 180 HB	0.6010	A48-20B	0.6025	A48-40 B
		K.1.2	Pearlitic (martensitic)		127600 lbf/in² / 260 HB	0.6030	A48-45B	0.6040	A48-60 B
	Spherulitic graphite cast iron	K.2.1	Ferritic		78300 lbf/in² / 160 HB	0.7040	60-40-18	0.7050	65-45-12
		K.2.2	Pearlitic		122600 lbf/in² / 250 HB	0.7070	100-70-03	0.7660	A439 Type D2
	Malleable iron	K.3.1	Ferritic		63800 lbf/in² / 130 HB	0.8035	GTW-35-04		
		K.3.2	Pearlitic		113100 lbf/in² / 230 HB	0.8170	70003		
N	Aluminium wrought alloy	N.1.1	Non-hardenable		60 HB	3.0255	A91060	3.0255	A91060
		N.1.2	Hardenable		49300 lbf/in² / 100 HB	3.1355	2024	3.1355	2024
	Cast aluminium alloy	N.2.1	≤ 12 % Si, non-hardenable		36300 lbf/in² / 75 HB	3.2581	A04130 / A413-0	3.2581	A04130 / A413-0
		N.2.2	≤ 12 % Si, hardenable		43500 lbf/in² / 90 HB	3.2134	G-AlSi5Cu1Mg		
		N.2.3	> 12 % Si, non-hardenable		63800 lbf/in² / 130 HB		G-AlSi17Cu4Mg		
	Copper and copper alloys (bronze/brass)	N.3.1	Free-machining alloys, PB > 1 %		54400 lbf/in² / 110 HB	2.0380	CuZn39Pb2 (Ms58)	2.0380	C37700
		N.3.2	CuZn, CuSnZn		43500 lbf/in² / 90 HB	2.0331	CuZn15	2.0331	C34000
		N.3.3	CuSn, lead-free copper and electrolytic copper		49300 lbf/in² / 100 HB	2.0060	E-Cu57		
	Magnesium alloys	N.4.1	Magnesium and magnesium alloys		70 HB	3.5612	MgAl6Zn		
S	Heat-resistant alloys	S.1.1	Fe - basis	Annealed	98600 lbf/in² / 200 HB	1.4864	X12NiCrSi 36-16	1.4864	330
		S.1.2			137800 lbf/in² / 280 HB	1.4980	X6NiCrTiMoVB25-15-2	1.4980	S66286
		S.2.1	Ni or Co basis	Annealed	121800 lbf/in² / 250 HB	2.4856	Inconel 625	2.4812	Hastelloy C
		S.2.2			171100 lbf/in² / 350 HB	2.4952	Nimonic 80A	2.4668	Inconel 718
		S.2.3		Cast	156600 lbf/in² / 320 HB	2.4674	Nimocast PK24	2.4670	Nimocast 713
	Titanium alloys	S.3.1	Pure titanium		5800 lbf/in²	3.7025	Ti99,8		
		S.3.2	Alpha + beta alloys		152300 lbf/in²	3.7165	TiAl6V4		
		S.3.3	Beta alloys		203100 lbf/in² / 410 HB	Ti555.3	Ti-5Al-5V-5Mo-3Cr		
H	Hardened steel	H.1.1		Hardened and tempered	46-55 HRC				
		H.1.2		Hardened and tempered	56-60 HRC				
		H.1.3		Hardened and tempered	61-65 HRC				
		H.1.4		Hardened and tempered	66-70 HRC				
	Chilled iron	H.2.1		Cast	400 HB				
	Hardened cast iron	H.3.1		Hardened and tempered	55 HRC				
O	Non-metal materials	O.1.1	Plastics, duroplastic		≤ 21800 lbf/in²				
		O.1.2	Plastics, thermoplastic		≤ 14500 lbf/in²				
		O.2.1	Aramid fibre-reinforced		≤ 145000 lbf/in²				
		O.2.2	Glass/carbon-fibre reinforced		≤ 145000 lbf/in²				
		O.3.1	Graphite						

*** Tensile Strength at Rupture (Rm)**

Cutting data standard values for SOGX indexable inserts

Index	10 820 ...					
	-01 / -13 / -32 BK8425	-03 / -21 BK8430	-01 / -21 BK7935	-01 BK6115	-01 BK7710	-34 BK8425
	v_c (ft/min)					
P.1.1	850	850	820	980		
P.1.2	850	850	720	980		850
P.1.3	890	890	890	890		
P.1.4	820	820	820	820		
P.1.5	890	890	660	980		890
P.2.1	890	890	890	890		
P.2.2	850	850	850	850		
P.2.3	590	590	520	790		590
P.2.4	490	490	430	660		490
P.3.1	520	520	460	660		520
P.3.2	430	430	390	520		430
P.3.3	390	390	360	460		390
P.4.1	590	590	490	720		
P.4.2	430	430	390	520		
M.1.1	490	490	520	720		
M.2.1	490	490	520	720		
M.3.1	460	460	490	660		
K.1.1	520	520	490	790		520
K.1.2	390	390	390	590		390
K.2.1	520	520	490	520		520
K.2.2	330	330	300	330		330
K.3.1	390	390	360	390		390
K.3.2	330	330	300	330		330
N.1.1	1310	1310	1310		1640	
N.1.2	1310	1310	1310		1640	
N.2.1	820	820	820		920	
N.2.2	820	820	820		920	
N.2.3	750	750	750		820	
N.3.1	660	660	660		820	
N.3.2	720	720	720		920	
N.3.3	1080	1080	1080		1280	
N.4.1	660	660	660		820	
S.1.1	200	200	200			
S.1.2	160	160	160			
S.2.1	200	200	200			
S.2.2	160	160	160			
S.2.3	100	100	100			
S.3.1	330	330	330		330	
S.3.2	260	260	260		260	
S.3.3	160	160	160		160	
H.1.1	330	330		330		
H.1.2	260	260		260		
H.1.3	160	160		160		
H.1.4						
H.2.1	330	330		330		
H.3.1	260	260		260		
O.1.1			330		330	
O.1.2			330		330	
O.2.1						
O.2.2			330		330	
O.3.1			330		330	

Feed rate values of -34 topography, see → **page 81.**

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed. A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 2xD, 3xD / KUB Pentron CS

Index	10 872 ..., 10 873 ..., 15 872 ..., 15 873 ...								
	ABS / PSC / C								
	Ø 0.562-0.625 inch	Ø 0.656-0.703 inch	Ø 0.750-0.781 inch	Ø 0.812-0.828 inch	Ø 0.875-0.937 inch	Ø 0.985-1.000 inch	Ø 1.031-1.062 inch	Ø 1.109-1.218 inch	Ø 1.250-1.328 inch
	f (inch/rev)								
P.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.1.2	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007
P.1.3	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.1.4	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.1.5	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.2.1	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.2.2	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.2.3	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
P.2.4	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006
P.3.1	0.003	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.007
P.3.2	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006
P.3.3	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005
P.4.1	0.004	0.005	0.005	0.007	0.007	0.008	0.008	0.008	0.008
P.4.2	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006
M.1.1	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006	0.006
M.2.1	0.004	0.003	0.003	0.004	0.004	0.006	0.006	0.006	0.006
M.3.1	0.004	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005
K.1.1	0.005	0.006	0.006	0.007	0.007	0.009	0.010	0.010	0.010
K.1.2	0.004	0.004	0.004	0.006	0.006	0.007	0.007	0.007	0.007
K.2.1	0.005	0.006	0.006	0.007	0.007	0.009	0.010	0.010	0.010
K.2.2	0.004	0.005	0.005	0.006	0.006	0.007	0.008	0.008	0.008
K.3.1	0.005	0.006	0.006	0.007	0.007	0.009	0.010	0.010	0.010
K.3.2	0.004	0.005	0.005	0.006	0.006	0.007	0.008	0.008	0.008
N.1.1	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005
N.1.2	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005
N.2.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
N.2.2	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
N.2.3	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
N.3.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
N.3.2	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007
N.3.3	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
N.4.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
S.1.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.1.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.2.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.2.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.2.3	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
S.3.1	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004
S.3.2	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004
S.3.3	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
H.1.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
H.1.3	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
H.1.4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
H.2.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.3.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
O.2.2	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Pentron – 2xD, 3xD / KUB Pentron CS

Index	10 872 ..., 10 873 ..., 15 872 ..., 15 873 ...				
	ABS / PSC / C				
	Ø 1.375-1.469 inch	Ø 1.500-1.687 inch	Ø 1.750–1.781 inch	Ø 1.875–2.000 inch	Ø 2.062–2.500 inch
	f (inch/rev)				
P.1.1	0.004	0.004	0.004	0.004	0.004
P.1.2	0.007	0.007	0.007	0.007	0.007
P.1.3	0.005	0.005	0.005	0.006	0.006
P.1.4	0.005	0.005	0.005	0.006	0.006
P.1.5	0.006	0.006	0.006	0.006	0.006
P.2.1	0.005	0.005	0.005	0.006	0.006
P.2.2	0.005	0.005	0.005	0.006	0.006
P.2.3	0.007	0.007	0.007	0.007	0.007
P.2.4	0.006	0.006	0.006	0.006	0.006
P.3.1	0.007	0.007	0.007	0.007	0.007
P.3.2	0.006	0.006	0.006	0.006	0.006
P.3.3	0.005	0.005	0.005	0.005	0.005
P.4.1	0.008	0.008	0.008	0.008	0.008
P.4.2	0.006	0.006	0.006	0.006	0.006
M.1.1	0.006	0.006	0.006	0.006	0.006
M.2.1	0.006	0.006	0.006	0.006	0.006
M.3.1	0.005	0.005	0.005	0.005	0.005
K.1.1	0.010	0.010	0.010	0.010	0.010
K.1.2	0.007	0.007	0.007	0.007	0.007
K.2.1	0.010	0.010	0.010	0.010	0.010
K.2.2	0.008	0.008	0.008	0.008	0.008
K.3.1	0.010	0.010	0.010	0.010	0.010
K.3.2	0.008	0.008	0.008	0.008	0.008
N.1.1	0.005	0.005	0.005	0.006	0.006
N.1.2	0.005	0.005	0.005	0.006	0.006
N.2.1	0.006	0.006	0.006	0.007	0.007
N.2.2	0.006	0.006	0.006	0.007	0.007
N.2.3	0.006	0.006	0.006	0.006	0.006
N.3.1	0.006	0.006	0.006	0.006	0.006
N.3.2	0.007	0.007	0.007	0.007	0.007
N.3.3	0.006	0.006	0.006	0.007	0.007
N.4.1	0.006	0.006	0.006	0.006	0.006
S.1.1	0.002	0.002	0.002	0.002	0.002
S.1.2	0.002	0.002	0.002	0.002	0.002
S.2.1	0.002	0.002	0.002	0.002	0.002
S.2.2	0.002	0.002	0.002	0.002	0.002
S.2.3	0.002	0.002	0.002	0.002	0.002
S.3.1	0.004	0.004	0.004	0.004	0.004
S.3.2	0.004	0.004	0.004	0.004	0.004
S.3.3	0.002	0.002	0.002	0.002	0.002
H.1.1	0.002	0.002	0.002	0.002	0.002
H.1.2	0.002	0.002	0.002	0.002	0.002
H.1.3	0.002	0.002	0.002	0.002	0.002
H.1.4					
H.2.1	0.002	0.002	0.002	0.002	0.002
H.3.1	0.002	0.002	0.002	0.002	0.002
O.1.1	0.004	0.004	0.004	0.004	0.004
O.1.2	0.004	0.004	0.004	0.004	0.004
O.2.1					
O.2.2	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 2xD, 3xD / -34 indexable inserts topography

Index		10 872 ..., 10 873 ..., 15 872 ..., 15 873 ...													
		ABS / PSC / C													
	-34 BK8425	Ø 0.562-0.625	Ø 0.656-0.703	Ø 0.750-0.781	Ø 0.812-0.828	Ø 0.875-0.937	Ø 0.985-1.000	Ø 1.031-1.062	Ø 1.109-1.218	Ø 1.250-1.328	Ø 1.375-1.469	Ø 1.500-1.687	Ø 1.750–1.781	Ø 1.875–2.000	Ø 2.062–2.500
	v_c (ft/min)	f (inch/rev)													
P.1.1															
P.1.2	850	0.007	0.008	0.008	0.009	0.009	0.009	0.011	0.011	0.011	0.011	0.011	0.011	0.009	0.011
P.1.3															
P.1.4															
P.1.5	890	0.007	0.008	0.008	0.009	0.009	0.009	0.011	0.011	0.011	0.011	0.011	0.011	0.009	0.011
P.2.1															
P.2.2															
P.2.3	590	0.007	0.008	0.009	0.009	0.009	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
P.2.4	490	0.007	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
P.3.1	520	0.005	0.007	0.007	0.009	0.009	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
P.3.2	430	0.004	0.007	0.007	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
P.3.3	390	0.004	0.007	0.007	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
P.4.1															
P.4.2															
M.1.1															
M.2.1															
M.3.1															
K.1.1	520	0.007	0.009	0.009	0.011	0.011	0.013	0.015	0.015	0.015	0.015	0.015	0.015	0.013	0.015
K.1.2	390	0.006	0.007	0.007	0.009	0.009	0.010	0.012	0.012	0.012	0.012	0.012	0.012	0.010	0.012
K.2.1	520	0.007	0.009	0.009	0.011	0.011	0.013	0.015	0.015	0.015	0.015	0.015	0.015	0.013	0.015
K.2.2	330	0.006	0.007	0.007	0.009	0.009	0.010	0.012	0.012	0.012	0.012	0.012	0.012	0.010	0.012
K.3.1	390	0.007	0.009	0.009	0.011	0.011	0.013	0.015	0.015	0.015	0.015	0.015	0.015	0.013	0.015
K.3.2	330	0.006	0.007	0.007	0.009	0.009	0.010	0.012	0.012	0.012	0.012	0.012	0.012	0.010	0.012
N.1.1															
N.1.2															
N.2.1															
N.2.2															
N.2.3															
N.3.1															
N.3.2															
N.3.3															
N.4.1															
S.1.1															
S.1.2															
S.2.1															
S.2.2															
S.2.3															
S.3.1															
S.3.2															
S.3.3															
H.1.1															
H.1.2															
H.1.3															
H.1.4															
H.2.1															
H.3.1															
O.1.1															
O.1.2															
O.2.1															
O.2.2															
O.3.1															

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Usage of -34 topography is recommended only for KUB Pentron 2xD and 3xD. Not recommended for KUB Pentron 4xD and 5xD as well as KUB Pentron CS. Higher drive power and stable setup needed!

Cutting data standard values for KUB Pentron – 4xD

Index	10 874 ..., 15 874 ...											
	ABS / C											
	Ø 0.562–0.625 inch	Ø 0.656–0.703 inch	Ø 0.750–0.781 inch	Ø 0.812–0.828 inch	Ø 0.875–0.937 inch	Ø 0.985–1.000 inch	Ø 1.031–1.062 inch	Ø 1.109–1.218 inch	Ø 1.250–1.328 inch	Ø 1.375–1.469 inch	Ø 1.500–1.687 inch	Ø 1.750 inch
	f in inch/rev.											
P.1.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.1.2	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
P.1.3	0.002	0.002	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.1.4	0.002	0.002	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.1.5	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.2.1	0.002	0.002	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.2.2	0.002	0.002	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.2.3	0.002	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
P.2.4	0.001	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.3.2	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
P.3.3	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
P.4.1	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
P.4.2	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
M.1.1	0.002	0.002	0.002	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
M.2.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
M.3.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
K.1.1	0.003	0.004	0.005	0.007	0.007	0.007	0.009	0.009	0.009	0.009	0.009	0.009
K.1.2	0.002	0.002	0.003	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
K.2.1	0.002	0.003	0.005	0.007	0.007	0.007	0.009	0.009	0.009	0.009	0.009	0.009
K.2.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
K.3.1	0.003	0.004	0.006	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
K.3.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
N.1.1	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
N.1.2	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
N.2.1	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007
N.2.2	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007
N.2.3	0.003	0.004	0.004	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.3.1	0.001	0.002	0.004	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
N.3.2	0.001	0.003	0.004	0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.008
N.3.3	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
N.4.1	0.001	0.002	0.004	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
S.1.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
S.1.2	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.2.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
S.2.2	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.2.3	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.3.1	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
S.3.2	0.002	0.002	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
S.3.3	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
H.1.2	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.3	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.4												
H.2.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
H.3.1	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1												
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 5xD

Index	10 875 ..., 15 875 ...											
	ABS / C											
	Ø 0.562–0.625 inch	Ø 0.656–0.703 inch	Ø 0.750–0.781 inch	Ø 0.812–0.828 inch	Ø 0.875–0.937 inch	Ø 0.985–1.000 inch	Ø 1.031–1.062 inch	Ø 1.109–1.218 inch	Ø 1.250–1.328 inch	Ø 1.375–1.469 inch	Ø 1.500–1.687 inch	Ø 1.750 inch
	f in inch/rev.											
P.1.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.1.2	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.1.3	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.1.4	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.1.5	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
P.2.1	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.2.2	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
P.2.3	0.003	0.004	0.004	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006
P.2.4	0.002	0.003	0.003	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005
P.3.1	0.003	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007
P.3.2	0.002	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
P.3.3	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.4.1	0.004	0.005	0.005	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008
P.4.2	0.002	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
M.1.1	0.003	0.003	0.003	0.004	0.004	0.006	0.004	0.004	0.004	0.004	0.004	0.004
M.2.1	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
M.3.1	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
K.1.1	0.004	0.005	0.005	0.006	0.006	0.008	0.009	0.009	0.009	0.009	0.009	0.009
K.1.2	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007
K.2.1	0.004	0.005	0.005	0.006	0.006	0.008	0.009	0.009	0.009	0.009	0.009	0.009
K.2.2	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007
K.3.1	0.004	0.005	0.005	0.006	0.006	0.008	0.009	0.009	0.009	0.009	0.009	0.009
K.3.2	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007
N.1.1	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
N.1.2	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
N.2.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.2.2	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.2.3	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.3.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.3.2	0.004	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
N.3.3	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
N.4.1	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
S.1.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.1.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.2.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.2.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.2.3	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
S.3.1	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004
S.3.2	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004
S.3.3	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.2	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.3	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.1.4												
H.2.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.3.1	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1												
O.2.2	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for WOEX indexable inserts

Index	10 821 ...							
	BK8425	BK7935	BK6115	BK7615	BK62	BK77	BK79	BK7710
	v_c in ft/min							
P.1.1	850	820	980				850	
P.1.2	850	720	980				850	
P.1.3	890	890	890				890	
P.1.4	790	790	820				790	
P.1.5	750	660	890				750	
P.2.1	890	890	890				890	
P.2.2	850	850	850				850	
P.2.3	590	520	790				590	
P.2.4	490	430	620				490	
P.3.1	520	460	660				520	
P.3.2	430	360	520				430	
P.3.3	390	330	460				390	
P.4.1	590	520	720				590	
P.4.2	430	360	520				430	
M.1.1	490	520	720				490	
M.2.1	490	520	720				490	
M.3.1	430	490	660				430	
K.1.1	520	490	790	850	790		520	
K.1.2	390	360	460	520	460		390	
K.2.1	520	490	520	590	520		520	
K.2.2	330	300	330	390	330		330	
K.3.1	390	360	390	460	390		390	
K.3.2	330	300	330	390	330		330	
N.1.1	1310	1310					1310	1970
N.1.2	1310	1310					1310	1640
N.2.1	820	820					820	1310
N.2.2	820	820					820	980
N.2.3	750	750					750	820
N.3.1	660	660					660	1310
N.3.2	720	720					720	980
N.3.3	1080	1080					1080	980
N.4.1	660	660					660	980
S.1.1	200	160				160		200
S.1.2	160	130				130		200
S.2.1	200	160				160		200
S.2.2	160	130				130		200
S.2.3	100	100				100		200
S.3.1	330	230				230		260
S.3.2	260	200				200		260
S.3.3	160	130				130		260
H.1.1	330		330		330	130		260
H.1.2	260		260		260	100		130
H.1.3	160		160		160	70		130
H.1.4								130
H.2.1	330		330		330	130		260
H.3.1	260		260		260	100		260
O.1.1						330		330
O.1.2						330		330
O.2.1								
O.2.2						330		330
O.3.1						330		330

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Trigon – 2xD

Index	10 892 ..., 15 892 ... ABS / K												
	Ø 0.562–0.625 inch	Ø 0.687–0.781 inch	Ø 0.812–0.937 inch	Ø 0.985–1.156 inch	Ø 1.187–1.437 inch	Ø 1.469–1.562 inch	Ø 1.625–1.750 inch	Ø 1.781–1.812 inch	Ø 1.875–2.062 inch	Ø 2.125–2.500 inch	Ø 2.593-2.656 inch	Ø 2.750–2.875 inch	Ø 3.000–3.250 inch
	f in inch/rev.												
P.1.1	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.1.2	0.003	0.004	0.005	0.006	0.006	0.006	0.007	0.008	0.008	0.010	0.010	0.010	0.010
P.1.3	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.010	0.010	0.010
P.1.4	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.007	0.009	0.009	0.009
P.1.5	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.007	0.008	0.009	0.009	0.009	0.009
P.2.1	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.010	0.010	0.010
P.2.2	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.007	0.009	0.009	0.009
P.2.3	0.002	0.003	0.004	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.008	0.008
P.2.4	0.002	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007
P.3.1	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
P.3.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006
P.3.3	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005
P.4.1	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007
P.4.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006
M.1.1	0.002	0.002	0.003	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
M.2.1	0.002	0.002	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
M.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.006	0.006	0.006	0.006
K.1.1	0.004	0.005	0.006	0.008	0.008	0.008	0.010	0.010	0.010	0.012	0.012	0.012	0.012
K.1.2	0.003	0.003	0.004	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.010	0.010	0.010
K.2.1	0.003	0.004	0.006	0.008	0.008	0.008	0.010	0.010	0.010	0.012	0.012	0.012	0.012
K.2.2	0.003	0.004	0.005	0.008	0.005	0.005	0.006	0.009	0.009	0.010	0.010	0.010	0.010
K.3.1	0.004	0.005	0.006	0.010	0.006	0.006	0.007	0.010	0.010	0.012	0.012	0.012	0.012
K.3.2	0.003	0.004	0.005	0.008	0.005	0.005	0.006	0.009	0.009	0.010	0.010	0.010	0.010
N.1.1	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.1.2	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.2.1	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.008	0.008
N.2.2	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.008	0.008
N.2.3	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007
N.3.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.008	0.010	0.010	0.010	0.010
N.3.2	0.002	0.004	0.005	0.007	0.007	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010
N.3.3	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.4.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.008	0.010	0.010	0.010	0.010
S.1.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
S.1.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
S.2.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
S.2.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
S.2.3	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.3.1	0.003	0.004	0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.006
S.3.2	0.002	0.003	0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.006
S.3.3	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003
H.1.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
H.1.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
H.1.3	0.002	0.002	0.002	0.002	0.002	0.002	0.002						
H.1.4													
H.2.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.3.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1													
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Trigon – 2.5xD

Index	15 896 ...									
	C									
	Ø 0.562–0.625 inch	Ø 0.687–0.781 inch	Ø 0.812–0.937 inch	Ø 0.985–1.156 inch	Ø 1.187–1.437 inch	Ø 1.469–1.562 inch	Ø 1.625–1.750 inch	Ø 1.812–2.000 inch	Ø 2.125–2.500 inch	Ø 2.750–3.250 inch
	f in inch/rev.									
P.1.1	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.1.2	0.003	0.004	0.005	0.006	0.006	0.006	0.007	0.008	0.010	0.010
P.1.3	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.007	0.008	0.010
P.1.4	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.009
P.1.5	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.008	0.009	0.009
P.2.1	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.007	0.008	0.010
P.2.2	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.009
P.2.3	0.002	0.003	0.004	0.006	0.006	0.006	0.006	0.006	0.007	0.008
P.2.4	0.002	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.007
P.3.1	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006
P.3.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.006	0.006	0.006
P.3.3	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.005	0.005	0.005
P.4.1	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.007	0.007	0.007
P.4.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.006	0.006	0.006
M.1.1	0.002	0.002	0.003	0.005	0.005	0.005	0.006	0.006	0.006	0.006
M.2.1	0.002	0.002	0.003	0.005	0.005	0.005	0.005	0.005	0.006	0.006
M.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.006	0.006
K.1.1	0.004	0.005	0.006	0.008	0.008	0.008	0.010	0.010	0.012	0.012
K.1.2	0.003	0.003	0.004	0.006	0.006	0.006	0.007	0.007	0.008	0.010
K.2.1	0.003	0.004	0.006	0.008	0.008	0.008	0.010	0.010	0.012	0.012
K.2.2	0.003	0.004	0.005	0.008	0.005	0.005	0.006	0.009	0.010	0.010
K.3.1	0.004	0.005	0.006	0.010	0.006	0.006	0.007	0.010	0.012	0.012
K.3.2	0.003	0.004	0.005	0.008	0.005	0.005	0.006	0.009	0.010	0.010
N.1.1	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006
N.1.2	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006
N.2.1	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008
N.2.2	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008
N.2.3	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007
N.3.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.010	0.010
N.3.2	0.002	0.004	0.005	0.007	0.007	0.008	0.009	0.009	0.010	0.010
N.3.3	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.006	0.006
N.4.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.010	0.010
S.1.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005
S.1.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004
S.2.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005
S.2.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004
S.2.3	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.3.1	0.003	0.004	0.004	0.005	0.004	0.005	0.005	0.004	0.005	0.006
S.3.2	0.002	0.003	0.004	0.005	0.004	0.005	0.005	0.004	0.005	0.006
S.3.3	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.003	0.003
H.1.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
H.1.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
H.1.3	0.002	0.002	0.002	0.002	0.002	0.002	0.002			
H.1.4										
H.2.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
H.3.1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1										
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Trigon – 3xD

Index	10 893 ... / 15 893 ...												
	ABS												
	Ø 0.562–0.656 inch	Ø 0.687–0.781 inch	Ø 0.812–0.937 inch	Ø 0.985–1.156 inch	Ø1.187–1.437 inch	Ø1.469–1.562 inch	Ø1.625–1.750 inch	Ø1.781–1.812 inch	Ø1.875–2.062 inch	Ø2.125–2.500 inch	Ø2.593–2.656 inch	Ø2.750–2.875 inch	Ø3.000–3.250 inch
	f in inch/rev.												
P.1.1	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
P.1.2	0.003	0.004	0.005	0.006	0.006	0.006	0.008	0.008	0.008	0.010	0.010	0.010	0.010
P.1.3	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.010	0.010	0.010
P.1.4	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.007	0.009	0.009	0.009
P.1.5	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.009	0.009
P.2.1	0.002	0.003	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.010	0.010	0.010
P.2.2	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.007	0.009	0.009	0.009
P.2.3	0.002	0.003	0.004	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.008	0.008
P.2.4	0.002	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007
P.3.1	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
P.3.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006
P.3.3	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005
P.4.1	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007
P.4.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006
M.1.1	0.002	0.002	0.003	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
M.2.1	0.002	0.002	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
M.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.006	0.006	0.006	0.006
K.1.1	0.004	0.005	0.006	0.008	0.008	0.008	0.010	0.010	0.010	0.012	0.012	0.012	0.012
K.1.2	0.003	0.003	0.004	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.010	0.010	0.010
K.2.1	0.003	0.004	0.006	0.008	0.008	0.008	0.010	0.010	0.010	0.012	0.012	0.012	0.012
K.2.2	0.003	0.004	0.005	0.008	0.008	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010
K.3.1	0.004	0.005	0.006	0.010	0.010	0.010	0.010	0.010	0.010	0.012	0.012	0.012	0.012
K.3.2	0.003	0.004	0.005	0.008	0.008	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010
N.1.1	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.1.2	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.2.1	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.008	0.008
N.2.2	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.008	0.008
N.2.3	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007
N.3.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.008	0.010	0.010	0.010	0.010
N.3.2	0.002	0.004	0.005	0.007	0.007	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010
N.3.3	0.002	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006
N.4.1	0.002	0.003	0.005	0.006	0.006	0.007	0.008	0.008	0.008	0.010	0.010	0.010	0.010
S.1.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
S.1.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
S.2.1	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
S.2.2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
S.2.3	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
S.3.1	0.003	0.004	0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.006
S.3.2	0.002	0.003	0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.006
S.3.3	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003
H.1.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003
H.1.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.003
H.1.3	0.001	0.002	0.002	0.002	0.002	0.002	0.002						
H.1.4													
H.2.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002
H.3.1	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
O.2.1													
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Trigon – 4xD

Index	10 894 ... / 15 894 ...						
	ABS						
	Ø 0.562–0.656 inch	Ø 0.687–0.781 inch	Ø 0.812–0.937 inch	Ø 0.985–1.156 inch	Ø1.187–1.437 inch	Ø1.469–1.562 inch	Ø1.625–1.750 inch
	f in inch/rev.						
P.1.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004
P.1.2	0.002	0.003	0.004	0.005	0.006	0.006	0.007
P.1.3	0.002	0.002	0.004	0.005	0.005	0.005	0.006
P.1.4	0.002	0.002	0.004	0.004	0.004	0.004	0.005
P.1.5	0.002	0.003	0.004	0.004	0.005	0.005	0.006
P.2.1	0.002	0.002	0.004	0.005	0.005	0.005	0.006
P.2.2	0.002	0.002	0.004	0.004	0.004	0.004	0.005
P.2.3	0.002	0.002	0.003	0.005	0.006	0.006	0.006
P.2.4	0.001	0.002	0.002	0.004	0.004	0.004	0.004
P.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.005
P.3.2	0.001	0.002	0.002	0.003	0.003	0.003	0.004
P.3.3	0.001	0.002	0.002	0.003	0.003	0.003	0.003
P.4.1	0.002	0.003	0.004	0.004	0.004	0.004	0.005
P.4.2	0.001	0.002	0.002	0.003	0.003	0.003	0.004
M.1.1	0.002	0.002	0.002	0.004	0.004	0.004	0.005
M.2.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004
M.3.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004
K.1.1	0.003	0.004	0.005	0.007	0.007	0.007	0.009
K.1.2	0.002	0.002	0.003	0.005	0.005	0.006	0.006
K.2.1	0.002	0.003	0.005	0.007	0.007	0.007	0.009
K.2.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007
K.3.1	0.003	0.004	0.006	0.009	0.009	0.009	0.009
K.3.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007
N.1.1	0.001	0.002	0.002	0.003	0.003	0.004	0.004
N.1.2	0.001	0.002	0.002	0.003	0.003	0.004	0.004
N.2.1	0.003	0.004	0.005	0.006	0.006	0.007	0.007
N.2.2	0.003	0.004	0.005	0.006	0.006	0.007	0.007
N.2.3	0.003	0.004	0.004	0.006	0.006	0.006	0.006
N.3.1	0.001	0.002	0.004	0.006	0.006	0.006	0.007
N.3.2	0.001	0.003	0.004	0.006	0.006	0.007	0.008
N.3.3	0.001	0.002	0.002	0.003	0.003	0.003	0.004
N.4.1	0.001	0.002	0.004	0.006	0.006	0.006	0.007
S.1.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
S.1.2	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.2.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
S.2.2	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.2.3	0.000	0.001	0.001	0.002	0.002	0.002	0.002
S.3.1	0.002	0.003	0.004	0.004	0.004	0.004	0.004
S.3.2	0.002	0.002	0.003	0.004	0.003	0.004	0.004
S.3.3	0.001	0.002	0.002	0.002	0.002	0.002	0.002
H.1.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
H.1.2	0.001	0.002	0.002	0.002	0.002	0.002	0.002
H.1.3	0.001	0.001	0.001	0.002	0.002	0.002	0.002
H.1.4							
H.2.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
H.3.1	0.001	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004
O.2.1							
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Trigon – 4xD

Index	15 894 ...						
	C						
	Ø 0.562–0.656 inch	Ø 0.687–0.781 inch	Ø 0.812–0.937 inch	Ø 0.985–1.156 inch	Ø1.187–1.437 inch	Ø1.469–1.562 inch	Ø1.625–1.750 inch
	f in inch/rev.						
P.1.1	0.002	0.003	0.003	0.004	0.004	0.004	0.004
P.1.2	0.002	0.003	0.004	0.005	0.006	0.006	0.007
P.1.3	0.002	0.002	0.004	0.005	0.005	0.005	0.006
P.1.4	0.002	0.002	0.004	0.004	0.004	0.004	0.005
P.1.5	0.002	0.003	0.004	0.004	0.005	0.005	0.006
P.2.1	0.002	0.002	0.004	0.005	0.005	0.005	0.006
P.2.2	0.002	0.002	0.004	0.004	0.004	0.004	0.005
P.2.3	0.002	0.002	0.003	0.005	0.006	0.006	0.006
P.2.4	0.001	0.002	0.002	0.004	0.004	0.004	0.004
P.3.1	0.002	0.002	0.003	0.004	0.004	0.004	0.005
P.3.2	0.001	0.002	0.002	0.003	0.004	0.003	0.004
P.3.3	0.001	0.002	0.002	0.003	0.003	0.003	0.003
P.4.1	0.002	0.003	0.004	0.004	0.005	0.004	0.005
P.4.2	0.001	0.002	0.002	0.003	0.004	0.003	0.004
M.1.1	0.002	0.002	0.002	0.004	0.004	0.004	0.005
M.2.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004
M.3.1	0.002	0.002	0.002	0.004	0.004	0.004	0.004
K.1.1	0.003	0.004	0.005	0.007	0.007	0.007	0.009
K.1.2	0.002	0.002	0.003	0.005	0.005	0.006	0.006
K.2.1	0.002	0.003	0.005	0.007	0.007	0.007	0.009
K.2.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007
K.3.1	0.003	0.004	0.006	0.009	0.009	0.009	0.009
K.3.2	0.002	0.003	0.004	0.007	0.007	0.007	0.007
N.1.1	0.001	0.002	0.002	0.003	0.004	0.004	0.004
N.1.2	0.001	0.002	0.002	0.003	0.004	0.004	0.004
N.2.1	0.003	0.004	0.005	0.006	0.007	0.007	0.007
N.2.2	0.003	0.004	0.005	0.006	0.007	0.007	0.007
N.2.3	0.003	0.004	0.004	0.006	0.006	0.006	0.006
N.3.1	0.002	0.002	0.004	0.006	0.006	0.006	0.007
N.3.2	0.002	0.003	0.004	0.006	0.007	0.007	0.008
N.3.3	0.001	0.003	0.003	0.004	0.004	0.003	0.004
N.4.1	0.002	0.002	0.004	0.006	0.006	0.006	0.007
S.1.1	0.001	0.002	0.003	0.003	0.004	0.003	0.003
S.1.2	0.001	0.002	0.002	0.002	0.003	0.002	0.002
S.2.1	0.001	0.002	0.003	0.003	0.004	0.003	0.003
S.2.2	0.001	0.002	0.002	0.002	0.003	0.002	0.002
S.2.3	0.001	0.001	0.002	0.002	0.002	0.002	0.002
S.3.1	0.002	0.003	0.004	0.004	0.004	0.004	0.004
S.3.2	0.002	0.002	0.003	0.004	0.004	0.004	0.004
S.3.3	0.001	0.002	0.002	0.002	0.002	0.002	0.002
H.1.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
H.1.2	0.001	0.002	0.002	0.002	0.002	0.002	0.002
H.1.3	0.001	0.001	0.001	0.002	0.002	0.002	0.002
H.1.4							
H.2.1	0.001	0.002	0.002	0.003	0.003	0.003	0.003
H.3.1	0.001	0.002	0.002	0.002	0.002	0.002	0.002
O.1.1	0.003	0.003	0.004	0.004	0.004	0.004	0.004
O.1.2	0.003	0.003	0.004	0.004	0.004	0.004	0.004
O.2.1							
O.2.2	0.002	0.002	0.002	0.003	0.003	0.003	0.003
O.3.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Centron

Index	Ø 0.812–1.000 inch				Ø 1.125–1.250 inch				Ø 1.375–1.750 inch			
		Center drill				Center drill				Center drill		
		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)
	f (inch/rev)	v_c (ft/min)			f (inch/rev)	v_c (ft/min)			f (inch/rev)	v_c (ft/min)		
P.1.1	0.003	820	520		0.003	820	520		0.004	820	520	
P.1.2	0.005	820	520		0.006	820	520		0.006	820	520	
P.1.3	0.004	660	520		0.005	660	520		0.005	660	520	
P.1.4	0.004	590	520		0.004	590	520		0.004	590	520	
P.1.5	0.004	750	520		0.005	750	520		0.005	750	520	
P.2.1	0.004	660	520		0.005	660	520		0.005	660	520	
P.2.2	0.004	620	490		0.004	620	490		0.004	620	490	
P.2.3	0.005	590	460		0.006	590	460		0.006	590	460	
P.2.4	0.004	490	390		0.005	490	390		0.005	490	390	
P.3.1	0.003	520	390		0.004	520	390		0.004	520	390	
P.3.2	0.002	460	330		0.003	460	330		0.003	460	330	
P.3.3	0.003	430	300		0.003	430	300		0.003	430	300	
P.4.1	0.004	590	430		0.004	590	430		0.004	590	430	
P.4.2	0.002	460	330		0.003	460	330		0.003	460	330	
M.1.1	0.004	520		230	0.005	520		230	0.005	520		230
M.2.1	0.003	390		230	0.004	390		230	0.004	390		230
M.3.1	0.003	360		200	0.003	360		200	0.003	360		200
K.1.1	0.006	660		330	0.006	660		330	0.006	660		330
K.1.2	0.005	520		330	0.006	520		330	0.006	520		330
K.2.1	0.005	520		330	0.006	520		330	0.006	520		330
K.2.2	0.004	330		260	0.005	330		260	0.005	330		260
K.3.1	0.005	390		330	0.006	390		330	0.006	390		330
K.3.2	0.004	330		260	0.005	330		260	0.005	330		260
N.1.1	0.003	1150	1150		0.003	1150	1150		0.004	1150	1150	
N.1.2	0.003	1150	1150		0.003	1150	1150		0.004	1150	1150	
N.2.1	0.004	820	820		0.005	820	820		0.006	820	820	
N.2.2	0.004	820	820		0.005	820	820		0.006	820	820	
N.2.3	0.004	750	750		0.004	750	750		0.006	750	750	
N.3.1	0.006	660	660		0.006	660	660		0.007	660	660	
N.3.2	0.006	720	720		0.007	720	720		0.008	720	720	
N.3.3	0.004	820	820		0.004	820	820		0.006	820	820	
N.4.1	0.006	660	660		0.006	660	660		0.007	660	660	
S.1.1	0.002	160		80	0.002	160		80	0.002	160		80
S.1.2	0.001	130		70	0.002	130		70	0.002	130		70
S.2.1	0.002	160		80	0.002	160		80	0.002	160		80
S.2.2	0.001	130		70	0.002	130		70	0.002	130		70
S.2.3	0.001	100		70	0.002	100		70	0.002	100		70
S.3.1	0.002	260		160	0.003	260		160	0.003	260		160
S.3.2	0.002	260		130	0.002	260		130	0.002	260		130
S.3.3	0.001	160		100	0.002	160		100	0.002	160		100
H.1.1												
H.1.2												
H.1.3												
H.1.4												
H.2.1												
H.3.1												
O.1.1	0.003	330	330		0.004	330	330		0.004	330	330	
O.1.2	0.003	330	330		0.004	330	330		0.004	330	330	
O.2.1												
O.2.2	0.003	160	100		0.004	160	100		0.004	160	100	
O.3.1	0.003	330	330		0.004	330	330		0.004	330	330	

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Centron

Index	Ø 1.875–2.000 inch				Ø 2.250–2.500 inch			
		Center drill				Center drill		
		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)
	f (inch/rev)	v_c (ft/min)			f (inch/rev)	v_c (ft/min)		
P.1.1	0.004	820	520		0.004	820	520	
P.1.2	0.006	820	520		0.006	820	520	
P.1.3	0.005	660	520		0.006	660	520	
P.1.4	0.004	590	520		0.005	590	520	
P.1.5	0.005	750	520		0.006	750	520	
P.2.1	0.005	660	520		0.006	660	520	
P.2.2	0.004	620	490		0.005	620	490	
P.2.3	0.006	590	460		0.006	590	460	
P.2.4	0.005	490	390		0.005	490	390	
P.3.1	0.004	520	390		0.005	520	390	
P.3.2	0.003	460	330		0.004	460	330	
P.3.3	0.003	430	300		0.004	430	300	
P.4.1	0.004	590	430		0.006	590	430	
P.4.2	0.003	460	330		0.004	460	330	
M.1.1	0.005	520		230	0.005	520		230
M.2.1	0.004	390		230	0.004	390		230
M.3.1	0.003	360		200	0.003	360		200
K.1.1	0.006	660		330	0.006	660		330
K.1.2	0.006	520		330	0.006	520		330
K.2.1	0.006	520		330	0.006	520		330
K.2.2	0.005	330		260	0.005	330		260
K.3.1	0.006	390		330	0.006	390		330
K.3.2	0.005	330		260	0.005	330		260
N.1.1	0.004	1150	1150		0.004	1150	1150	
N.1.2	0.004	1150	1150		0.004	1150	1150	
N.2.1	0.006	820	820		0.006	820	820	
N.2.2	0.006	820	820		0.006	820	820	
N.2.3	0.006	750	750		0.006	750	750	
N.3.1	0.007	660	660		0.007	660	660	
N.3.2	0.008	720	720		0.008	720	720	
N.3.3	0.006	820	820		0.006	820	820	
N.4.1	0.007	660	660		0.007	660	660	
S.1.1	0.002	160		80	0.002	160		80
S.1.2	0.002	130		70	0.002	130		70
S.2.1	0.002	160		80	0.002	160		80
S.2.2	0.002	130		70	0.002	130		70
S.2.3	0.002	100		70	0.002	100		70
S.3.1	0.003	260		160	0.003	260		160
S.3.2	0.002	260		130	0.002	260		130
S.3.3	0.002	160		100	0.002	160		100
H.1.1								
H.1.2								
H.1.3								
H.1.4								
H.2.1								
H.3.1								
O.1.1	0.004	330	330		0.004	330	330	
O.1.2	0.004	330	330		0.004	330	330	
O.2.1								
O.2.2	0.004	160	100		0.004	160	100	
O.3.1	0.004	330	330		0.004	330	330	

The cutting data of the KUB Centron depends on the center drill and not on the indexable inserts.
Please select the cutting data of the center drill. 10 863 ... is only suitable up to drilling depth 6xD.

Cutting data standard values for SOGX indexable inserts

Index	10 820 ...					
	-01 / -13 / -32 BK8425	-03 / -21 BK8430	-01 / -21 BK7935	-01 BK6115	-01 BK7710	-34 BK8425
	v_c (m/min)					
P.1.1	260	260	250	300		
P.1.2	260	260	220	300		260
P.1.3	270	270	270	270		
P.1.4	250	250	250	250		
P.1.5	270	270	200	300		270
P.2.1	270	270	270	270		
P.2.2	260	260	260	260		
P.2.3	180	180	160	240		180
P.2.4	150	150	130	200		150
P.3.1	160	160	140	200		160
P.3.2	130	130	120	160		130
P.3.3	120	120	110	140		120
P.4.1	180	180	150	220		
P.4.2	130	130	120	160		
M.1.1	150	150	160	220		
M.2.1	150	150	160	220		
M.3.1	140	140	150	200		
K.1.1	160	160	150	240		160
K.1.2	120	120	120	180		120
K.2.1	160	160	150	160		160
K.2.2	100	100	90	100		100
K.3.1	120	120	110	120		120
K.3.2	100	100	90	100		100
N.1.1	400	400	400		500	
N.1.2	400	400	400		500	
N.2.1	250	250	250		280	
N.2.2	250	250	250		280	
N.2.3	230	230	230		250	
N.3.1	200	200	200		250	
N.3.2	220	220	220		280	
N.3.3	330	330	330		390	
N.4.1	200	200	200		250	
S.1.1	60	60	60			
S.1.2	50	50	50			
S.2.1	60	60	60			
S.2.2	50	50	50			
S.2.3	30	30	30			
S.3.1	100	100	100		100	
S.3.2	80	80	80		80	
S.3.3	50	50	50		50	
H.1.1	100	100		100		
H.1.2	80	80		80		
H.1.3	50	50		50		
H.1.4						
H.2.1	100	100		100		
H.3.1	80	80		80		
O.1.1			100		100	
O.1.2			100		100	
O.2.1						
O.2.2			100		100	
O.3.1			100		100	

Feed rate values of -34 topography, see → **page 95.**

BK6115 -01 / BK7935 -21 are exclusively recommended for use on the peripheral cutting edge!

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed. A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 2xD, 3xD / KUB Pentron CS

Index	10 872 ..., 10 873 ...								
	ABS / PSC / C								
	Ø 14–15.5	Ø 16–17.5	Ø 18–19.5	Ø 20–21.5	Ø 22–23.5	Ø 24–25.5	Ø 26–27.5	Ø 28–30	Ø 31–33
	f (mm/rev)								
P.1.1	0.08	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10
P.1.2	0.10	0.13	0.13	0.15	0.16	0.15	0.18	0.18	0.18
P.1.3	0.08	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13
P.1.4	0.08	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12
P.1.5	0.09	0.12	0.12	0.14	0.14	0.14	0.16	0.16	0.16
P.2.1	0.08	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13
P.2.2	0.08	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12
P.2.3	0.12	0.14	0.16	0.16	0.16	0.18	0.18	0.18	0.18
P.2.4	0.10	0.11	0.13	0.13	0.13	0.14	0.14	0.14	0.14
P.3.1	0.08	0.12	0.12	0.16	0.16	0.18	0.18	0.18	0.18
P.3.2	0.07	0.10	0.10	0.13	0.13	0.14	0.14	0.14	0.14
P.3.3	0.06	0.08	0.08	0.11	0.11	0.13	0.13	0.13	0.13
P.4.1	0.09	0.13	0.13	0.18	0.18	0.20	0.20	0.20	0.20
P.4.2	0.07	0.10	0.10	0.13	0.13	0.14	0.14	0.14	0.14
M.1.1	0.10	0.10	0.12	0.14	0.15	0.15	0.15	0.15	0.15
M.2.1	0.10	0.08	0.08	0.11	0.11	0.14	0.14	0.14	0.14
M.3.1	0.09	0.07	0.07	0.10	0.10	0.13	0.13	0.13	0.13
K.1.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25
K.1.2	0.09	0.11	0.11	0.14	0.14	0.17	0.19	0.19	0.19
K.2.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25
K.2.2	0.10	0.12	0.12	0.14	0.14	0.18	0.20	0.20	0.20
K.3.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25
K.3.2	0.10	0.12	0.12	0.14	0.14	0.18	0.20	0.20	0.20
N.1.1	0.10	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13
N.1.2	0.10	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13
N.2.1	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15
N.2.2	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15
N.2.3	0.09	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14
N.3.1	0.10	0.12	0.13	0.13	0.15	0.15	0.15	0.15	0.15
N.3.2	0.11	0.13	0.14	0.14	0.17	0.17	0.17	0.17	0.17
N.3.3	0.11	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14
N.4.1	0.10	0.12	0.13	0.13	0.15	0.15	0.15	0.15	0.15
S.1.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06
S.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06
S.2.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06
S.2.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06
S.2.3	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04
S.3.1	0.05	0.05	0.05	0.05	0.06	0.08	0.10	0.10	0.10
S.3.2	0.04	0.04	0.04	0.04	0.05	0.07	0.09	0.09	0.09
S.3.3	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06
H.1.1	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
H.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
H.1.3	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
H.1.4									
H.2.1	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05
H.3.1	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
O.1.1	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1									
O.2.2	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Pentron – 2xD, 3xD / KUB Pentron CS

Index	10 872 ..., 10 873 ... ABS / PSC / C					10 876 ... KUB Pentron CS – 3xD			
	Ø 34–37	Ø 38–42	Ø 43–46	Ø 46–52	Ø 53–65	Ø 64–69	Ø 70–75	Ø 76–84	Ø 85–96
	f (mm/rev)					f (mm/rev)			
P.1.1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
P.1.2	0.18	0.18	0.18	0.18	0.18	0.15	0.15	0.15	0.15
P.1.3	0.13	0.13	0.13	0.16	0.16	0.15	0.15	0.15	0.15
P.1.4	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14
P.1.5	0.16	0.16	0.16	0.16	0.16	0.14	0.14	0.14	0.14
P.2.1	0.13	0.13	0.13	0.16	0.16	0.15	0.15	0.15	0.15
P.2.2	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14
P.2.3	0.18	0.18	0.18	0.18	0.18	0.20	0.20	0.20	0.20
P.2.4	0.14	0.14	0.14	0.14	0.14	0.16	0.16	0.16	0.16
P.3.1	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
P.3.2	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
P.3.3	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P.4.1	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
P.4.2	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
M.1.1	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16
M.2.1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
M.3.1	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
K.1.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
K.1.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
K.2.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
K.2.2	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
K.3.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
K.3.2	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
N.1.1	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14
N.1.2	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14
N.2.1	0.15	0.15	0.15	0.18	0.18	0.18	0.18	0.18	0.18
N.2.2	0.15	0.15	0.15	0.18	0.18	0.18	0.18	0.18	0.18
N.2.3	0.14	0.14	0.14	0.16	0.16	0.16	0.16	0.16	0.16
N.3.1	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16
N.3.2	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18
N.3.3	0.14	0.14	0.14	0.18	0.18	0.16	0.16	0.16	0.16
N.4.1	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16
S.1.1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.1.2	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.2.1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.2.2	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.2.3	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
S.3.1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
S.3.2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
S.3.3	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
H.1.1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
H.1.2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.3	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.4									
H.2.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
H.3.1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
O.1.1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1									
O.2.2	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
O.3.1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 2xD, 3xD / -34 indexable inserts topography

Index		10 872 ..., 10 873 ...													
		ABS / PSC / C													
	-34 BK8425	Ø 14–15.5	Ø 16–17.5	Ø 18–19.5	Ø 20–21.5	Ø 22–23.5	Ø 24–25.5	Ø 26–27.5	Ø 28–30	Ø 31–33	Ø 34–37	Ø 38–42	Ø 43–46	Ø 46–52	Ø 53–65
	v_c (m/min)	f (mm/rev)													
P.1.1															
P.1.2	260	0.17	0.20	0.20	0.23	0.23	0.23	0.27	0.27	0.27	0.27	0.27	0.27	0.23	0.27
P.1.3															
P.1.4															
P.1.5	270	0.17	0.20	0.20	0.23	0.23	0.23	0.27	0.27	0.27	0.27	0.27	0.27	0.23	0.27
P.2.1															
P.2.2															
P.2.3	180	0.18	0.21	0.24	0.24	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
P.2.4	150	0.17	0.2	0.23	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
P.3.1	160	0.12	0.18	0.18	0.24	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
P.3.2	130	0.11	0.17	0.17	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
P.3.3	120	0.11	0.17	0.17	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
P.4.1															
P.4.2															
M.1.1															
M.2.1															
M.3.1															
K.1.1	160	0.18	0.23	0.23	0.27	0.27	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.38
K.1.2	120	0.14	0.18	0.18	0.22	0.22	0.26	0.30	0.30	0.30	0.30	0.30	0.30	0.26	0.30
K.2.1	160	0.18	0.23	0.23	0.27	0.27	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.38
K.2.2	100	0.14	0.18	0.18	0.22	0.22	0.26	0.30	0.30	0.30	0.30	0.30	0.30	0.26	0.30
K.3.1	120	0.18	0.23	0.23	0.27	0.27	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.38
K.3.2	100	0.14	0.18	0.18	0.22	0.22	0.26	0.30	0.30	0.30	0.30	0.30	0.30	0.26	0.30
N.1.1															
N.1.2															
N.2.1															
N.2.2															
N.2.3															
N.3.1															
N.3.2															
N.3.3															
N.4.1															
S.1.1															
S.1.2															
S.2.1															
S.2.2															
S.2.3															
S.3.1															
S.3.2															
S.3.3															
H.1.1															
H.1.2															
H.1.3															
H.1.4															
H.2.1															
H.3.1															
O.1.1															
O.1.2															
O.2.1															
O.2.2															
O.3.1															

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Usage of -34 topography is recommended only for KUB Pentron 2xD and 3xD. Not recommended for KUB Pentron 4xD and 5xD as well as KUB Pentron CS. Higher drive power and stable setup needed!

Cutting data standard values for KUB Pentron – 4xD

Index	10 874 ...											
	ABS / C											
	Ø 14–15.5	Ø 16–17.5	Ø 18–19.5	Ø 20–21.5	Ø 22–23.5	Ø 24–25.5	Ø 26–27.5	Ø 28–30	Ø 31–33	Ø 34–37	Ø 38–42	Ø 43–46
	f (mm/rev)											
P.1.1	0.06	0.07	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
P.1.2	0.08	0.13	0.13	0.15	0.15	0.15	0.18	0.18	0.18	0.18	0.18	0.18
P.1.3	0.06	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P.1.4	0.05	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
P.1.5	0.07	0.12	0.12	0.14	0.14	0.14	0.16	0.16	0.16	0.16	0.16	0.16
P.2.1	0.06	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P.2.2	0.05	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
P.2.3	0.08	0.14	0.14	0.15	0.16	0.18	0.18	0.18	0.18	0.18	0.18	0.18
P.2.4	0.06	0.11	0.11	0.12	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14
P.3.1	0.08	0.12	0.12	0.16	0.15	0.18	0.18	0.18	0.18	0.18	0.18	0.18
P.3.2	0.06	0.10	0.10	0.13	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14
P.3.3	0.06	0.08	0.08	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P.4.1	0.09	0.13	0.13	0.18	0.17	0.20	0.20	0.20	0.20	0.20	0.20	0.20
P.4.2	0.06	0.10	0.10	0.13	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14
M.1.1	0.08	0.10	0.10	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
M.2.1	0.08	0.08	0.08	0.11	0.11	0.14	0.14	0.14	0.14	0.14	0.14	0.14
M.3.1	0.07	0.07	0.07	0.10	0.10	0.13	0.13	0.13	0.13	0.13	0.13	0.13
K.1.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25	0.25	0.25	0.25
K.1.2	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
K.2.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25	0.25	0.25	0.25
K.2.2	0.10	0.12	0.12	0.14	0.14	0.18	0.20	0.20	0.20	0.20	0.20	0.20
K.3.1	0.12	0.15	0.15	0.18	0.18	0.22	0.25	0.25	0.25	0.25	0.25	0.25
K.3.2	0.10	0.12	0.12	0.14	0.14	0.18	0.20	0.20	0.20	0.20	0.20	0.20
N.1.1	0.10	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
N.1.2	0.10	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
N.2.1	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.2.2	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.2.3	0.09	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
N.3.1	0.10	0.12	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.3.2	0.11	0.13	0.14	0.14	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
N.3.3	0.11	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
N.4.1	0.10	0.12	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
S.1.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
S.2.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.2.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
S.2.3	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
S.3.1	0.05	0.05	0.05	0.05	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10
S.3.2	0.04	0.04	0.04	0.04	0.05	0.07	0.09	0.09	0.09	0.09	0.09	0.09
S.3.3	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
H.1.1	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
H.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.3	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.4												
H.2.1	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
H.3.1	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
O.1.1	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1												
O.2.2	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Pentron – 5xD

Index	10 875 ...											
	ABS / C											
	Ø 14–15.5	Ø 16–17.5	Ø 18–19.5	Ø 20–21.5	Ø 22–23.5	Ø 24–25.5	Ø 26–27.5	Ø 28–30	Ø 31–33	Ø 34–37	Ø 38–42	Ø 43–46
	f (mm/rev)											
P.1.1	0.06	0.08	0.07	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
P.1.2	0.08	0.11	0.11	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15
P.1.3	0.06	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
P.1.4	0.05	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
P.1.5	0.07	0.10	0.10	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14
P.2.1	0.06	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
P.2.2	0.05	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
P.2.3	0.08	0.09	0.10	0.15	0.18	0.18	0.15	0.15	0.15	0.15	0.15	0.15
P.2.4	0.06	0.07	0.08	0.12	0.14	0.14	0.12	0.12	0.12	0.12	0.12	0.12
P.3.1	0.08	0.12	0.12	0.16	0.15	0.18	0.18	0.18	0.18	0.18	0.18	0.18
P.3.2	0.06	0.10	0.10	0.13	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14
P.3.3	0.06	0.08	0.08	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P.4.1	0.09	0.13	0.13	0.18	0.17	0.20	0.20	0.20	0.20	0.20	0.20	0.20
P.4.2	0.06	0.10	0.10	0.13	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14
M.1.1	0.08	0.08	0.08	0.11	0.11	0.14	0.11	0.11	0.11	0.11	0.11	0.11
M.2.1	0.08	0.08	0.08	0.09	0.09	0.12	0.12	0.12	0.12	0.12	0.12	0.12
M.3.1	0.07	0.07	0.07	0.08	0.08	0.11	0.11	0.11	0.11	0.11	0.11	0.11
K.1.1	0.10	0.13	0.13	0.16	0.16	0.20	0.23	0.23	0.23	0.23	0.23	0.23
K.1.2	0.08	0.10	0.10	0.12	0.12	0.15	0.17	0.17	0.17	0.17	0.17	0.17
K.2.1	0.10	0.13	0.13	0.16	0.16	0.20	0.23	0.23	0.23	0.23	0.23	0.23
K.2.2	0.08	0.10	0.10	0.13	0.13	0.16	0.18	0.18	0.18	0.18	0.18	0.18
K.3.1	0.10	0.13	0.13	0.16	0.16	0.20	0.23	0.23	0.23	0.23	0.23	0.23
K.3.2	0.08	0.10	0.10	0.13	0.13	0.16	0.18	0.18	0.18	0.18	0.18	0.18
N.1.1	0.10	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
N.1.2	0.10	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
N.2.1	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.2.2	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.2.3	0.09	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
N.3.1	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N.3.2	0.11	0.14	0.14	0.14	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
N.3.3	0.11	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
N.4.1	0.10	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
S.1.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
S.2.1	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06
S.2.2	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
S.2.3	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
S.3.1	0.05	0.05	0.05	0.05	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10
S.3.2	0.04	0.04	0.04	0.04	0.05	0.07	0.09	0.09	0.09	0.09	0.09	0.09
S.3.3	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
H.1.1	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
H.1.2	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.3	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
H.1.4												
H.2.1	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
H.3.1	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
O.1.1	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1												
O.2.2	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for WOEX indexable inserts

Index	10 821 ...							
	BK8425	BK7935	BK6115	BK7615	BK62	BK77	BK79	BK7710
	v_c (m/min)							
P.1.1	260	250	300				260	
P.1.2	260	220	300				260	
P.1.3	270	270	270				270	
P.1.4	240	240	250				240	
P.1.5	230	200	270				230	
P.2.1	270	270	270				270	
P.2.2	260	260	260				260	
P.2.3	180	160	240				180	
P.2.4	150	130	190				150	
P.3.1	160	140	200				160	
P.3.2	130	110	160				130	
P.3.3	120	100	140				120	
P.4.1	180	160	220				180	
P.4.2	130	110	160				130	
M.1.1	150	160	220				150	
M.2.1	150	160	220				150	
M.3.1	130	150	200				130	
K.1.1	160	150	240	260	240		160	
K.1.2	120	110	140	160	140		120	
K.2.1	160	150	160	180	160		160	
K.2.2	100	90	100	120	100		100	
K.3.1	120	110	120	140	120		120	
K.3.2	100	90	100	120	100		100	
N.1.1	400	400					400	600
N.1.2	400	400					400	500
N.2.1	250	250					250	400
N.2.2	250	250					250	300
N.2.3	230	230					230	250
N.3.1	200	200					200	400
N.3.2	220	220					220	300
N.3.3	330	330					330	300
N.4.1	200	200					200	300
S.1.1	60	50				50		60
S.1.2	50	40				40		60
S.2.1	60	50				50		60
S.2.2	50	40				40		60
S.2.3	30	30				30		60
S.3.1	100	70				70		80
S.3.2	80	60				60		80
S.3.3	50	40				40		80
H.1.1	100		100		100	40		80
H.1.2	80		80		80	30		40
H.1.3	50		50		50	20		40
H.1.4								40
H.2.1	100		100		100	40		80
H.3.1	80		80		80	30		80
O.1.1						100		100
O.1.2						100		100
O.2.1								
O.2.2						100		100
O.3.1						100		100

BK6115 -01 / BK8425 -03 are exclusively recommended for use on the peripheral cutting edge!

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Trigon – 2xD

Index	10 892 ...												
	ABS / K												
	Ø 14–16	Ø 17–19	Ø 20–24	Ø 25–29	Ø 30–36	Ø 37–40	Ø 41–44	Ø 45–46	Ø 46–52	Ø 53–65	Ø 64–69	Ø 70–75	Ø 76–82
	f (mm/rev)												
P.1.1	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
P.1.2	0.08	0.10	0.12	0.14	0.16	0.16	0.18	0.20	0.20	0.25	0.25	0.25	0.25
P.1.3	0.06	0.08	0.12	0.14	0.14	0.14	0.16	0.14	0.18	0.20	0.25	0.25	0.25
P.1.4	0.05	0.07	0.11	0.13	0.13	0.13	0.14	0.12	0.16	0.18	0.22	0.22	0.22
P.1.5	0.07	0.09	0.11	0.13	0.14	0.14	0.16	0.18	0.20	0.22	0.22	0.22	0.22
P.2.1	0.06	0.08	0.12	0.14	0.14	0.14	0.16	0.14	0.18	0.20	0.25	0.25	0.25
P.2.2	0.06	0.08	0.11	0.13	0.13	0.13	0.15	0.12	0.16	0.18	0.22	0.22	0.22
P.2.3	0.06	0.08	0.10	0.14	0.16	0.16	0.16	0.16	0.16	0.18	0.20	0.20	0.20
P.2.4	0.05	0.06	0.08	0.11	0.13	0.13	0.13	0.14	0.14	0.16	0.18	0.18	0.18
P.3.1	0.06	0.08	0.10	0.12	0.12	0.12	0.14	0.14	0.16	0.16	0.16	0.16	0.16
P.3.2	0.05	0.06	0.08	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.14	0.14	0.14
P.3.3	0.04	0.06	0.07	0.08	0.08	0.08	0.10	0.11	0.13	0.13	0.13	0.13	0.13
P.4.1	0.07	0.09	0.11	0.13	0.13	0.13	0.15	0.15	0.17	0.17	0.17	0.17	0.17
P.4.2	0.05	0.06	0.08	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.14	0.14	0.14
M.1.1	0.06	0.06	0.08	0.12	0.12	0.12	0.14	0.14	0.14	0.16	0.16	0.16	0.16
M.2.1	0.06	0.06	0.08	0.12	0.12	0.12	0.12	0.12	0.12	0.16	0.16	0.16	0.16
M.3.1	0.05	0.05	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.15	0.15	0.15	0.15
K.1.1	0.10	0.12	0.14	0.20	0.20	0.20	0.25	0.25	0.25	0.30	0.30	0.30	0.30
K.1.2	0.08	0.08	0.10	0.14	0.14	0.16	0.18	0.18	0.18	0.20	0.25	0.25	0.25
K.2.1	0.08	0.10	0.14	0.20	0.20	0.20	0.25	0.25	0.25	0.30	0.30	0.30	0.30
K.2.2	0.08	0.10	0.13	0.20	0.13	0.13	0.14	0.22	0.22	0.25	0.25	0.25	0.25
K.3.1	0.10	0.12	0.16	0.25	0.16	0.16	0.18	0.25	0.25	0.30	0.30	0.30	0.30
K.3.2	0.08	0.10	0.13	0.20	0.13	0.13	0.14	0.22	0.22	0.25	0.25	0.25	0.25
N.1.1	0.05	0.08	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.14	0.14	0.14	0.14
N.1.2	0.05	0.08	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.14	0.14	0.14	0.14
N.2.1	0.10	0.12	0.14	0.18	0.18	0.20	0.20	0.18	0.20	0.20	0.20	0.20	0.20
N.2.2	0.10	0.12	0.14	0.18	0.18	0.20	0.20	0.18	0.20	0.20	0.20	0.20	0.20
N.2.3	0.09	0.11	0.13	0.16	0.16	0.18	0.18	0.16	0.18	0.18	0.18	0.18	0.18
N.3.1	0.05	0.08	0.12	0.16	0.16	0.18	0.20	0.20	0.20	0.25	0.25	0.25	0.25
N.3.2	0.06	0.09	0.13	0.18	0.18	0.20	0.22	0.22	0.22	0.26	0.26	0.26	0.26
N.3.3	0.05	0.08	0.08	0.10	0.10	0.10	0.12	0.122	0.12	0.16	0.16	0.16	0.16
N.4.1	0.05	0.08	0.12	0.16	0.16	0.18	0.20	0.20	0.20	0.25	0.25	0.25	0.25
S.1.1	0.04	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.12
S.1.2	0.03	0.05	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10
S.2.1	0.04	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.12
S.2.2	0.03	0.05	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10
S.2.3	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
S.3.1	0.07	0.09	0.11	0.13	0.11	0.13	0.13	0.10	0.10	0.12	0.12	0.14	0.14
S.3.2	0.06	0.08	0.10	0.12	0.10	0.12	0.12	0.10	0.10	0.12	0.12	0.14	0.14
S.3.3	0.04	0.05	0.06	0.07	0.06	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.08
H.1.1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08
H.1.2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.08	0.08
H.1.3	0.04	0.04	0.04	0.04	0.04	0.04	0.04						
H.1.4													
H.2.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
H.3.1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
O.1.1	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1													
O.2.2	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Trigon – 3xD

Index	10 893 ...												
	ABS / K												
	Ø 14–16	Ø 17–19	Ø 20–24	Ø 25–29	Ø 30–36	Ø 37–40	Ø 41–44	Ø 45–46	Ø 46–52	Ø 53–65	Ø 64–69	Ø 70–75	Ø 76–82
	f (mm/rev)												
P.1.1	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
P.1.2	0.08	0.10	0.12	0.14	0.16	0.16	0.20	0.20	0.20	0.25	0.25	0.25	0.25
P.1.3	0.06	0.08	0.12	0.14	0.14	0.14	0.16	0.14	0.18	0.20	0.25	0.25	0.25
P.1.4	0.05	0.07	0.11	0.13	0.13	0.13	0.14	0.12	0.16	0.18	0.22	0.22	0.22
P.1.5	0.07	0.09	0.11	0.13	0.14	0.14	0.18	0.18	0.20	0.22	0.22	0.22	0.22
P.2.1	0.06	0.08	0.12	0.14	0.14	0.14	0.16	0.14	0.18	0.20	0.25	0.25	0.25
P.2.2	0.06	0.08	0.11	0.13	0.13	0.13	0.15	0.12	0.16	0.18	0.22	0.22	0.22
P.2.3	0.06	0.08	0.10	0.14	0.16	0.16	0.16	0.16	0.16	0.18	0.20	0.20	0.20
P.2.4	0.05	0.06	0.08	0.11	0.13	0.13	0.13	0.14	0.14	0.16	0.18	0.18	0.18
P.3.1	0.06	0.08	0.10	0.12	0.12	0.12	0.14	0.14	0.16	0.16	0.16	0.16	0.16
P.3.2	0.05	0.06	0.08	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.14	0.14	0.14
P.3.3	0.04	0.06	0.07	0.08	0.08	0.08	0.10	0.11	0.13	0.13	0.13	0.13	0.13
P.4.1	0.07	0.09	0.11	0.13	0.13	0.13	0.15	0.15	0.17	0.17	0.17	0.17	0.17
P.4.2	0.05	0.06	0.08	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.14	0.14	0.14
M.1.1	0.06	0.06	0.08	0.12	0.12	0.12	0.14	0.14	0.14	0.16	0.16	0.16	0.16
M.2.1	0.06	0.06	0.08	0.12	0.12	0.12	0.12	0.12	0.12	0.16	0.16	0.16	0.16
M.3.1	0.05	0.05	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.15	0.15	0.15	0.15
K.1.1	0.10	0.12	0.14	0.20	0.20	0.20	0.25	0.25	0.25	0.30	0.30	0.30	0.30
K.1.2	0.08	0.08	0.10	0.14	0.14	0.16	0.18	0.18	0.18	0.20	0.25	0.25	0.25
K.2.1	0.08	0.10	0.14	0.20	0.20	0.20	0.25	0.25	0.25	0.30	0.30	0.30	0.30
K.2.2	0.08	0.10	0.13	0.20	0.20	0.20	0.20	0.22	0.22	0.25	0.25	0.25	0.25
K.3.1	0.10	0.12	0.16	0.25	0.25	0.25	0.25	0.25	0.25	0.30	0.30	0.30	0.30
K.3.2	0.08	0.10	0.13	0.20	0.20	0.20	0.20	0.22	0.22	0.25	0.25	0.25	0.25
N.1.1	0.05	0.08	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.14	0.14	0.14	0.14
N.1.2	0.05	0.08	0.08	0.10	0.10	0.12	0.12	0.12	0.12	0.14	0.14	0.14	0.14
N.2.1	0.10	0.12	0.14	0.18	0.18	0.20	0.20	0.18	0.20	0.20	0.20	0.20	0.20
N.2.2	0.10	0.12	0.14	0.18	0.18	0.20	0.20	0.18	0.20	0.20	0.20	0.20	0.20
N.2.3	0.09	0.11	0.13	0.16	0.16	0.18	0.18	0.16	0.18	0.18	0.18	0.18	0.18
N.3.1	0.05	0.08	0.12	0.16	0.16	0.18	0.20	0.20	0.20	0.25	0.25	0.25	0.25
N.3.2	0.06	0.09	0.13	0.18	0.18	0.20	0.22	0.22	0.22	0.26	0.26	0.26	0.26
N.3.3	0.06	0.09	0.09	0.11	0.11	0.11	0.13	0.122	0.12	0.16	0.16	0.16	0.16
N.4.1	0.05	0.08	0.12	0.16	0.16	0.18	0.20	0.20	0.20	0.25	0.25	0.25	0.25
S.1.1	0.04	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.12
S.1.2	0.03	0.05	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10
S.2.1	0.04	0.06	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.12
S.2.2	0.03	0.05	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10
S.2.3	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
S.3.1	0.07	0.09	0.11	0.13	0.11	0.13	0.13	0.10	0.10	0.12	0.12	0.14	0.14
S.3.2	0.06	0.08	0.10	0.12	0.10	0.12	0.12	0.10	0.10	0.12	0.12	0.14	0.14
S.3.3	0.04	0.05	0.06	0.07	0.06	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.08
H.1.1	0.05	0.08	0.08	0.10	0.10	0.10	0.10	0.08	0.08	0.08	0.08	0.08	0.08
H.1.2	0.04	0.06	0.06	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.08	0.08
H.1.3	0.03	0.04	0.04	0.05	0.05	0.05	0.05						
H.1.4													
H.2.1	0.05	0.08	0.08	0.10	0.10	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05
H.3.1	0.04	0.06	0.06	0.08	0.08	0.08	0.08	0.04	0.04	0.04	0.04	0.04	0.04
O.1.1	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
O.2.1													
O.2.2	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed.
A safety guard has to be provided as protection.

Cutting data standard values for KUB Trigon – 4xD

Index	10 894 ... K					10 894 ... ABS						
	Ø 14–16	Ø 17–19	Ø 20–24	Ø 25–29	Ø 30–35	Ø 14–16	Ø 17–19	Ø 20–24	Ø 25–29	Ø 30–36	Ø 37–40	Ø 41–44
	f (mm/rev)					f (mm/rev)						
P.1.1	0.06	0.08	0.08	0.10	0.11	0.06	0.08	0.08	0.10	0.10	0.10	0.10
P.1.2	0.06	0.08	0.10	0.12	0.14	0.06	0.08	0.10	0.12	0.14	0.14	0.18
P.1.3	0.04	0.06	0.10	0.12	0.12	0.04	0.06	0.10	0.12	0.12	0.12	0.14
P.1.4	0.04	0.05	0.09	0.11	0.11	0.04	0.05	0.09	0.11	0.11	0.11	0.13
P.1.5	0.05	0.07	0.09	0.11	0.13	0.05	0.07	0.09	0.11	0.13	0.13	0.16
P.2.1	0.04	0.06	0.10	0.12	0.12	0.04	0.06	0.10	0.12	0.12	0.12	0.14
P.2.2	0.04	0.06	0.10	0.11	0.11	0.04	0.06	0.10	0.11	0.11	0.11	0.13
P.2.3	0.04	0.06	0.08	0.12	0.14	0.04	0.06	0.08	0.12	0.14	0.14	0.14
P.2.4	0.03	0.05	0.06	0.10	0.11	0.03	0.05	0.06	0.10	0.11	0.11	0.11
P.3.1	0.04	0.06	0.08	0.10	0.11	0.04	0.06	0.08	0.10	0.10	0.10	0.12
P.3.2	0.03	0.05	0.06	0.08	0.09	0.03	0.05	0.06	0.08	0.08	0.08	0.10
P.3.3	0.03	0.04	0.06	0.07	0.08	0.03	0.04	0.06	0.07	0.07	0.07	0.08
P.4.1	0.04	0.07	0.09	0.11	0.12	0.04	0.07	0.09	0.11	0.11	0.11	0.13
P.4.2	0.03	0.05	0.06	0.08	0.09	0.03	0.05	0.06	0.08	0.08	0.08	0.10
M.1.1	0.04	0.04	0.06	0.10	0.11	0.04	0.04	0.06	0.10	0.10	0.10	0.12
M.2.1	0.04	0.04	0.06	0.10	0.11	0.04	0.04	0.06	0.10	0.10	0.10	0.10
M.3.1	0.04	0.04	0.05	0.09	0.10	0.04	0.04	0.05	0.09	0.09	0.09	0.09
K.1.1	0.08	0.10	0.12	0.18	0.19	0.08	0.10	0.12	0.18	0.18	0.18	0.23
K.1.2	0.06	0.06	0.08	0.12	0.12	0.06	0.06	0.08	0.12	0.12	0.14	0.16
K.2.1	0.06	0.08	0.12	0.18	0.19	0.06	0.08	0.12	0.18	0.18	0.18	0.23
K.2.2	0.06	0.08	0.11	0.18	0.19	0.06	0.08	0.11	0.18	0.18	0.18	0.18
K.3.1	0.08	0.10	0.14	0.23	0.24	0.08	0.10	0.14	0.23	0.23	0.23	0.23
K.3.2	0.06	0.08	0.11	0.18	0.19	0.06	0.08	0.11	0.18	0.18	0.18	0.18
N.1.1	0.03	0.06	0.06	0.08	0.09	0.03	0.06	0.06	0.08	0.08	0.10	0.10
N.1.2	0.03	0.06	0.06	0.08	0.09	0.03	0.06	0.06	0.08	0.08	0.10	0.10
N.2.1	0.08	0.10	0.12	0.16	0.17	0.08	0.10	0.12	0.16	0.16	0.18	0.18
N.2.2	0.08	0.10	0.12	0.16	0.17	0.08	0.10	0.12	0.16	0.16	0.18	0.18
N.2.3	0.07	0.09	0.11	0.14	0.15	0.07	0.09	0.11	0.14	0.14	0.16	0.16
N.3.1	0.04	0.06	0.10	0.14	0.15	0.03	0.06	0.10	0.14	0.14	0.16	0.18
N.3.2	0.04	0.07	0.11	0.15	0.17	0.03	0.07	0.11	0.15	0.15	0.18	0.20
N.3.3	0.03	0.07	0.07	0.09	0.10	0.03	0.06	0.06	0.08	0.08	0.08	0.10
N.4.1	0.04	0.06	0.10	0.14	0.15	0.03	0.06	0.10	0.14	0.14	0.16	0.18
S.1.1	0.03	0.05	0.07	0.08	0.09	0.02	0.04	0.06	0.08	0.08	0.08	0.08
S.1.2	0.02	0.04	0.06	0.06	0.07	0.02	0.03	0.05	0.06	0.06	0.06	0.06
S.2.1	0.03	0.05	0.07	0.08	0.09	0.02	0.04	0.06	0.08	0.08	0.08	0.08
S.2.2	0.02	0.04	0.06	0.06	0.07	0.02	0.03	0.05	0.06	0.06	0.06	0.06
S.2.3	0.02	0.03	0.04	0.04	0.05	0.01	0.02	0.03	0.04	0.04	0.04	0.04
S.3.1	0.04	0.07	0.09	0.11	0.11	0.04	0.07	0.09	0.11	0.09	0.11	0.11
S.3.2	0.04	0.06	0.08	0.10	0.10	0.04	0.06	0.08	0.10	0.08	0.10	0.10
S.3.3	0.02	0.04	0.05	0.06	0.06	0.02	0.04	0.05	0.06	0.05	0.06	0.06
H.1.1	0.03	0.06	0.06	0.08	0.08	0.03	0.06	0.06	0.08	0.08	0.08	0.08
H.1.2	0.02	0.05	0.05	0.06	0.06	0.02	0.05	0.05	0.06	0.06	0.06	0.06
H.1.3	0.02	0.03	0.03	0.04	0.04	0.02	0.03	0.03	0.04	0.04	0.04	0.04
H.1.4												
H.2.1	0.03	0.06	0.06	0.08	0.08	0.03	0.06	0.06	0.08	0.08	0.08	0.08
H.3.1	0.02	0.05	0.05	0.06	0.06	0.02	0.05	0.05	0.06	0.06	0.06	0.06
O.1.1	0.08	0.08	0.10	0.10	0.10	0.08	0.08	0.10	0.10	0.10	0.10	0.10
O.1.2	0.08	0.08	0.10	0.10	0.10	0.08	0.08	0.10	0.10	0.10	0.10	0.10
O.2.1												
O.2.2	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07
O.3.1	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.11	0.11	0.11	0.11

In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Centron

Index	Ø 20–25 mm				Ø 26–32 mm				Ø 33–45 mm			
		Center drill				Center drill				Center drill		
		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)
	f (mm/rev)	v_c (m/min)			f (mm/rev)	v_c (m/min)			f (mm/rev)	v_c (m/min)		
P.1.1	0.08	250	160		0.08	250	160		0.10	250	160	
P.1.2	0.12	250	160		0.14	250	160		0.14	250	160	
P.1.3	0.10	200	160		0.12	200	160		0.12	200	160	
P.1.4	0.09	180	160		0.11	180	160		0.11	180	160	
P.1.5	0.11	230	160		0.12	230	160		0.12	230	160	
P.2.1	0.10	200	160		0.12	200	160		0.12	200	160	
P.2.2	0.10	190	150		0.11	190	150		0.11	190	150	
P.2.3	0.12	180	140		0.14	180	140		0.14	180	140	
P.2.4	0.10	150	120		0.12	150	120		0.12	150	120	
P.3.1	0.08	160	120		0.10	160	120		0.10	160	120	
P.3.2	0.06	140	100		0.08	140	100		0.08	140	100	
P.3.3	0.07	130	90		0.07	130	90		0.07	130	90	
P.4.1	0.09	180	130		0.11	180	130		0.11	180	130	
P.4.2	0.06	140	100		0.08	140	100		0.08	140	100	
M.1.1	0.10	160		70	0.12	160		70	0.12	160		70
M.2.1	0.08	120		70	0.10	120		70	0.10	120		70
M.3.1	0.07	110		60	0.08	110		60	0.08	110		60
K.1.1	0.14	200		100	0.16	200		100	0.16	200		100
K.1.2	0.12	160		100	0.14	160		100	0.14	160		100
K.2.1	0.12	160		100	0.14	160		100	0.14	160		100
K.2.2	0.10	100		80	0.12	100		80	0.12	100		80
K.3.1	0.12	120		100	0.14	120		100	0.14	120		100
K.3.2	0.10	100		80	0.12	100		80	0.12	100		80
N.1.1	0.07	350	350		0.07	350	350		0.10	350	350	
N.1.2	0.07	350	350		0.07	350	350		0.10	350	350	
N.2.1	0.10	250	250		0.12	250	250		0.16	250	250	
N.2.2	0.10	250	250		0.12	250	250		0.16	250	250	
N.2.3	0.09	230	230		0.11	230	230		0.15	230	230	
N.3.1	0.14	200	200		0.16	200	200		0.18	200	200	
N.3.2	0.15	220	220		0.18	220	220		0.20	220	220	
N.3.3	0.09	250	250		0.10	250	250		0.14	250	250	
N.4.1	0.14	200	200		0.16	200	200		0.18	200	200	
S.1.1	0.04	50		25	0.05	50		25	0.05	50		25
S.1.2	0.03	40		20	0.04	40		20	0.04	40		20
S.2.1	0.04	50		25	0.05	50		25	0.05	50		25
S.2.2	0.03	40		20	0.04	40		20	0.04	40		20
S.2.3	0.03	30		20	0.04	30		20	0.04	30		20
S.3.1	0.06	80		50	0.07	80		50	0.07	80		50
S.3.2	0.05	80		40	0.06	80		40	0.06	80		40
S.3.3	0.03	50		30	0.04	50		30	0.04	50		30
H.1.1												
H.1.2												
H.1.3												
H.1.4												
H.2.1												
H.3.1												
O.1.1	0.08	100	100		0.10	100	100		0.10	100	100	
O.1.2	0.08	100	100		0.10	100	100		0.10	100	100	
O.2.1												
O.2.2	0.08	50	30		0.10	50	30		0.10	50	30	
O.3.1	0.08	100	100		0.10	100	100		0.10	100	100	

During the drilling operation on through holes a sharp disk will be produced. Safety precautions must be observed. A safety guard has to be provided as protection.

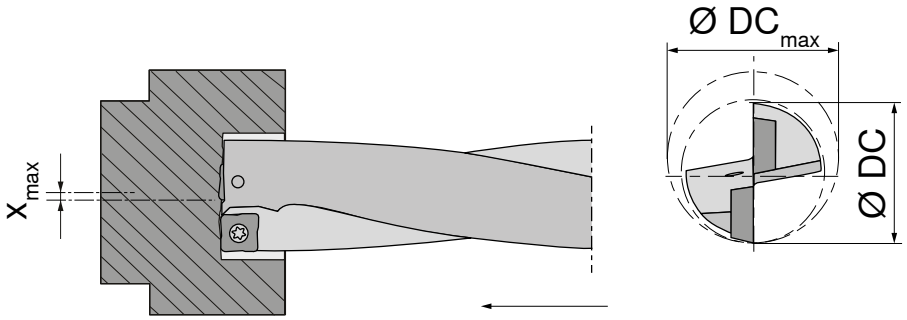
In order to ensure efficient chip evacuation, coolant pressure must be at least 73 psi. Optimum pressure is > 218 psi.

Cutting data standard values for KUB Centron

Index	Ø 46–54 mm				Ø 55–64 mm				Ø 65–71 mm			Ø 72–81 mm		
		Center drill				Center drill				Center drill			Center drill	
		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 863 ... (TiN/TiAlN)	10 862 ... (TiN)	10 862 ... (TiAlN)		10 862 ... (TiN)	10 862 ... (TiAlN)		10 862 ... (TiN)	10 862 ... (TiAlN)
	f (mm/rev)	v_c (m/min)			f (mm/rev)	v_c (m/min)			f (mm/rev)	v_c (m/min)		f (mm/rev)	v_c (m/min)	
P.1.1	0.10	250	160		0.10	250	160		0.10	160		0.10	160	
P.1.2	0.14	250	160		0.16	250	160		0.16	160		0.16	160	
P.1.3	0.12	200	160		0.14	200	160		0.14	160		0.14	160	
P.1.4	0.11	180	160		0.12	180	160		0.12	160		0.12	160	
P.1.5	0.12	230	160		0.14	230	160		0.14	160		0.14	160	
P.2.1	0.12	200	160		0.14	200	160		0.14	160		0.14	160	
P.2.2	0.11	190	150		0.12	190	150		0.12	150		0.12	150	
P.2.3	0.14	180	140		0.16	180	140		0.16	140		0.16	140	
P.2.4	0.12	150	120		0.13	150	120		0.13	120		0.13	120	
P.3.1	0.10	160	120		0.12	160	120		0.12	120		0.12	120	
P.3.2	0.08	140	100		0.10	140	100		0.10	100		0.10	100	
P.3.3	0.07	130	90		0.09	130	90		0.09	90		0.09	90	
P.4.1	0.11	180	130		0.14	180	130		0.14	130		0.14	130	
P.4.2	0.08	140	100		0.10	140	100		0.10	100		0.10	100	
M.1.1	0.12	160		70	0.12	160		70	0.12		70	0.12		70
M.2.1	0.10	120		70	0.10	120		70	0.10		70	0.10		70
M.3.1	0.08	110		60	0.08	110		60	0.08		60	0.08		60
K.1.1	0.16	200		100	0.16	200		100	0.16		100	0.16		100
K.1.2	0.14	160		100	0.14	160		100	0.14		100	0.14		100
K.2.1	0.14	160		100	0.14	160		100	0.14		100	0.14		100
K.2.2	0.12	100		80	0.12	100		80	0.12		80	0.12		80
K.3.1	0.14	120		100	0.14	120		100	0.14		100	0.14		100
K.3.2	0.12	100		80	0.12	100		80	0.12		80	0.12		80
N.1.1	0.10	350	350		0.10	350	350		0.10	350		0.10	350	
N.1.2	0.10	350	350		0.10	350	350		0.10	350		0.10	350	
N.2.1	0.16	250	250		0.16	250	250		0.16	250		0.16	250	
N.2.2	0.16	250	250		0.16	250	250		0.16	250		0.16	250	
N.2.3	0.15	230	230		0.15	230	230		0.15	230		0.15	230	
N.3.1	0.18	200	200		0.18	200	200		0.18	200		0.18	200	
N.3.2	0.20	220	220		0.20	220	220		0.20	220		0.20	220	
N.3.3	0.14	250	250		0.14	250	250		0.14	250		0.14	250	
N.4.1	0.18	200	200		0.18	200	200		0.18	200		0.18	200	
S.1.1	0.05	50		25	0.05	50		25	0.05		25	0.05		25
S.1.2	0.04	40		20	0.04	40		20	0.04		20	0.04		20
S.2.1	0.05	50		25	0.05	50		25	0.05		25	0.05		25
S.2.2	0.04	40		20	0.04	40		20	0.04		20	0.04		20
S.2.3	0.04	30		20	0.04	30		20	0.04		20	0.04		20
S.3.1	0.07	80		50	0.07	80		50	0.07		50	0.07		50
S.3.2	0.06	80		40	0.06	80		40	0.06		40	0.06		40
S.3.3	0.04	50		30	0.04	50		30	0.04		30	0.04		30
H.1.1														
H.1.2														
H.1.3														
H.1.4														
H.2.1														
H.3.1														
O.1.1	0.10	100	100		0.10	100	100		0.10	100		0.10	100	
O.1.2	0.10	100	100		0.10	100	100		0.10	100		0.10	100	
O.2.1														
O.2.2	0.10	50	30		0.10	50	30		0.10	30		0.10	30	
O.3.1	0.10	100	100		0.10	100	100		0.10	100		0.10	100	

The cutting data of the KUB Centron depends on the center drill and not on the indexable inserts.
Please select the cutting data of the center drill.
10 863 ... is only suitable up to drilling depth 6xD.

Maximum adjustment range (X) during solid drilling / from the center for stationary applications – KUB Pentron

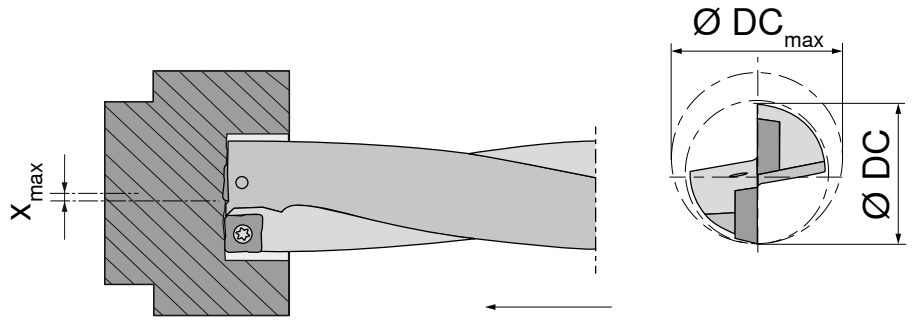


At max. offset X_{max} the hole will be:
$DC_{max} = DC + 2X_{max}$
e.g. for DC = 0.750", X_{max} = 0.010":
DC_{max} = DC + 0.020" = 0.770"

Ø DC inch	Insert size	X_{max} inch	Ø DC_{max} inch
0.562	SOGX 04....	0.010	0.582
0.593		0.010	0.613
0.625		0.010	0.645
0.656	SOGX 05....	0.010	0.676
0.687		0.010	0.707
0.703		0.010	0.723
0.750	SOGX 06....	0.010	0.770
0.765		0.010	0.785
0.781		0.010	0.801
0.812	SOGX 07....	0.010	0.832
0.828		0.010	0.848
0.843		0.010	0.863
0.875		0.010	0.895
0.906		0.010	0.926
0.937	SOGX 08....	0.010	0.957
0.985		0.010	1.005
1.000		0.010	1.020
1.031	SOGX 09....	0.010	1.051
1.062		0.010	1.082
1.109		0.010	1.129
1.125		0.010	1.145
1.156		0.010	1.176
1.187	SOGX 10....	0.010	1.207
1.218		0.010	1.238
1.250		0.010	1.270
1.281		0.010	1.301
1.312	SOGX 11....	0.010	1.332
1.328		0.010	1.348
1.375		0.010	1.395
1.437		0.010	1.457
1.469	SOGX 12....	0.010	1.489
1.500		0.010	1.520
1.531		0.010	1.551
1.562		0.010	1.582
1.625		0.010	1.645
1.656	SOGX 13....	0.010	1.676
1.687		0.010	1.707
1.750		0.010	1.770

The maximum radial X-offset affects the cutting force balance of the drill, therefore, the use of lower feed rates is recommended!

Maximum adjustment range (X) during solid drilling / from the center for stationary applications – KUB Pentron



At max. offset X_{max} the hole will be:
$DC_{max} = DC + 2X_{max}$
e.g. for DC = 20 mm, X_{max} = 0.25 mm:
$DC_{max} = DC + 0.5 = 20.5$ mm

Ø DC mm	Insert size	X_{max} mm	Ø DC_{max} mm
14.0	SOGX 04....	0.25	14.5
14.5		0.25	15.0
15.0		0.25	15.5
15.5		0.25	16.0
16.0		0.25	16.5
16.5	SOGX 05....	0.25	17.0
17.0		0.25	17.5
17.5		0.25	18.0
18.0		0.25	18.5
18.5	SOGX 06....	0.25	19.0
19.0		0.25	19.5
19.5		0.25	20.0
20.0		0.25	20.5
20.5	SOGX 07....	0.25	21.0
21.0		0.25	21.5
21.5		0.25	22.0
22.0		0.25	22.5
22.5		0.25	23.0
23.0		0.25	23.5
23.5	SOGX 08....	0.25	24.0
24.0		0.25	24.5
24.5		0.25	25.0
25.0		0.25	25.5
25.5		0.25	26.0
26.0		0.25	26.5
26.5	SOGX 09....	0.25	27.0
27.0		0.25	27.5
27.5		0.25	28.0
28.0		0.25	28.5
28.5		0.25	29.0
29.0		0.25	29.5
29.5		0.25	30.0
30.0		0.25	30.5
31.0	SOGX 10....	0.25	31.5
32.0		0.25	32.5
33.0		0.25	33.5
34.0	SOGX 11....	0.25	34.5
35.0		0.25	35.5
36.0		0.25	36.5
37.0		0.25	37.5
38.0	SOGX 12....	0.25	38.5
39.0		0.25	39.5
40.0		0.25	40.5
41.0		0.25	41.5
42.0		0.25	42.5
43.0	SOGX 13....	0.25	43.5
44.0		0.25	44.5
45.0		0.25	45.5
46.0		0.25	46.5
47.0	SOGX 08....	0.25	47.5
48.0		0.25	48.5
49.0		0.25	49.5
50.0		0.25	50.5
51.0		0.25	51.5
52.0		0.25	52.5

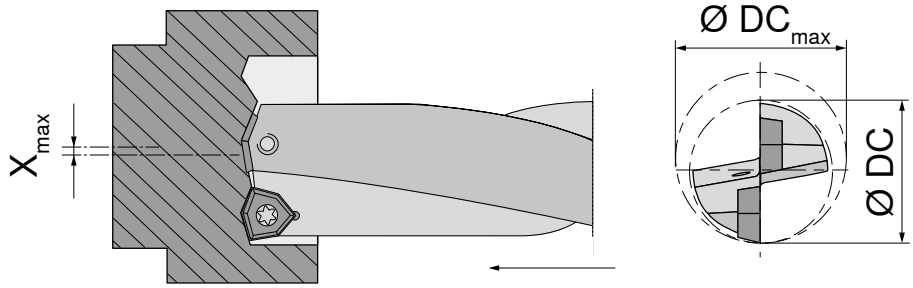
Ø DC mm	Insert size	X_{max} mm	Ø DC_{max} mm
53.0	SOGX 10....	0.25	53.5
54.0		0.25	54.5
55.0		0.25	55.5
56.0		0.25	56.5
57.0		0.25	57.5
58.0		0.25	58.5
59.0		0.25	59.5
60.0		0.25	60.5
61.0		0.25	61.5
62.0		0.25	62.5
63.0		0.25	63.5
64.0		0.25	64.5
65.0		0.25	65.5

KUB Pentron CS

Ø DC mm	Insert size	X_{max} mm	Ø DC_{max} mm
64.0	SOGX 10....	0.25	64.5
65.0		0.25	65.5
66.0		0.25	66.5
67.0		0.25	67.5
68.0		0.25	68.5
69.0		0.25	69.5
70.0	SOGX 11....	0.25	70.5
71.0		0.25	71.5
72.0		0.25	72.5
73.0		0.25	73.5
74.0		0.25	74.5
75.0		0.25	75.5
76.0	SOGX 12....	0.25	76.5
77.0		0.25	77.5
78.0		0.25	78.5
79.0		0.25	79.5
80.0		0.25	80.5
81.0		0.25	81.5
82.0		0.25	82.5
83.0		0.25	83.5
84.0		0.25	84.5
85.0	SOGX 13....	0.25	85.5
86.0		0.25	86.5
87.0		0.25	87.5
88.0		0.25	88.5
89.0		0.25	89.5
90.0		0.25	90.5
91.0		0.25	91.5
92.0		0.25	92.5
93.0		0.25	93.5
94.0		0.25	94.5
95.0		0.25	95.5
96.0		0.25	96.5

The maximum radial X-offset affects the cutting force balance of the drill, therefore, the use of lower feed rates is recommended!

Maximum adjustment range (X) during solid drilling / from the center for stationary applications – KUB Trigon



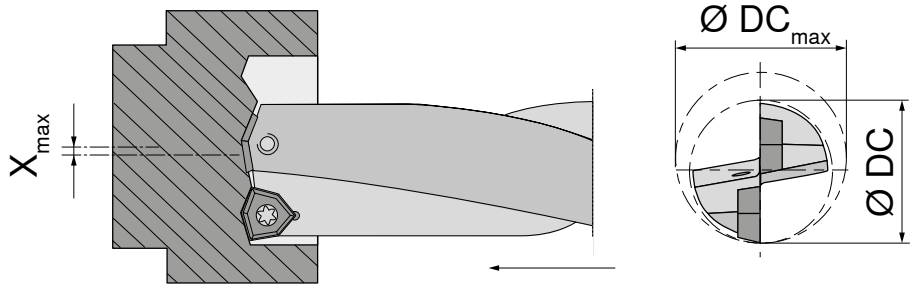
At max. offset X_{max} the hole will be:
$DC_{max} = DC + 2X_{max}$
e.g. for DC = 0.750", X_{max} = 0.020":
DC_{max} = DC + 0.040" = 0.790"

Ø DC inch	Insert size	X_{max} inch	Ø DC_{max} inch
0.562	WOEX 03....	0.020	0.602
0.593		0.020	0.633
0.625		0.020	0.665
0.656		0.020	0.696
0.687		0.020	0.727
0.703		0.020	0.743
0.750		0.020	0.790
0.765		0.020	0.805
0.781		0.020	0.821
0.812	WOEX 04....	0.020	0.852
0.828		0.020	0.868
0.843		0.020	0.883
0.875		0.020	0.915
0.906		0.020	0.946
0.937		0.020	0.977
0.985	WOEX 05....	0.020	1.025
1.000		0.020	1.040
1.031		0.040	1.111
1.062		0.040	1.142
1.109		0.060	1.229
1.125		0.065	1.254
1.156		0.060	1.276
1.187		0.050	1.287
1.218		0.050	1.318
1.250		0.041	1.331
1.281		0.040	1.361
1.312		0.040	1.392
1.328		0.040	1.408
1.375		0.020	1.415
1.406		0.020	1.446
1.437		0.020	1.477

Ø DC inch	Insert size	X_{max} inch	Ø DC_{max} inch
1.469	WOEX 06....	0.060	1.589
1.500		0.060	1.620
1.531		0.060	1.651
1.562		0.060	1.682
1.625		0.060	1.745
1.656		0.060	1.776
1.687		0.043	1.773
1.750		0.011	1.772
1.781	WOEX 08....	0.058	1.897
1.812		0.059	1.929
1.875		0.059	1.992
1.937		0.059	2.055
1.975		0.059	2.093
2.000		0.059	2.118
2.062		0.049	2.160
2.125		0.023	2.171
2.165	WOEX 10....	0.059	2.283
2.203		0.059	2.321
2.250		0.058	2.366
2.281		0.058	2.397
2.375		0.027	2.429
2.437		0.059	2.555
2.500		0.065	2.630
2.593		0.059	2.711
2.625		0.058	2.740
2.656		0.059	2.774
2.750	WOEX 12....	0.058	2.866
2.875		0.059	2.992
3.000		0.059	3.118
3.250		0.018	3.285

The maximum radial X-offset affects the cutting force balance of the drill, therefore, the use of lower feed rates is recommended!

Maximum adjustment range (X) during solid drilling / from the center for stationary applications – KUB Trigon



At max. offset X_{max} the hole will be:
$DC_{max} = DC + 2X_{max}$
e.g. for DC = 20 mm, X_{max} = 0.5 mm:
$DC_{max} = DC + 1.0 = 21.0$ mm

KUB Trigon

Ø DC mm	Insert size	X_{max} mm	Ø DC_{max} mm
14.0	WOEX 03....	0.5	15.0
15.0		0.5	16.0
16.0		0.5	17.0
17.0		0.5	18.0
18.0		0.5	19.0
19.0		0.5	20.0
20.0	WOEX 04....	0.5	21.0
21.0		0.5	22.0
22.0		0.5	23.0
23.0		0.5	24.0
24.0		0.5	25.0
25.0	WOEX 05....	0.5	26.0
26.0		1.0	28.0
27.0		1.5	30.0
28.0		1.5	31.0
29.0		1.5	32.0
30.0		1.25	32.5
31.0		1.25	33.5
32.0		1.0	34.0
33.0		0.5	34.0
34.0		0.5	35.0
35.0		0.5	36.0
36.0		0.5	37.0
37.0	WOEX 06....	1.5	40.0
38.0		1.5	41.0
39.0		1.5	42.0
40.0		1.5	43.0
41.0		1.5	44.0
42.0		1.5	45.0
43.0		1.0	45.0
44.0		0.5	45.0

Ø DC mm	Insert size	X_{max} mm	Ø DC_{max} mm
45.0	WOEX 08....	1.5	48.0
46.0		1.5	49.0
47.0		1.5	50.0
48.0		1.5	51.0
49.0		1.5	52.0
50.0		1.5	53.0
51.0		1.5	54.0
52.0		1.5	55.0
53.0		1.0	55.0
54.0		0.5	55.0
55.0	WOEX 10....	1.5	58.0
56.0		1.5	59.0
57.0		1.5	60.0
58.0		1.5	61.0
59.0		1.5	62.0
60.0		1.5	63.0
61.0		1.5	64.0
62.0		1.5	65.0
63.0		1.5	66.0
64.0		1.5	67.0
65.0		1.5	68.0
66.0		1.5	69.0
67.0		1.25	69.5
68.0		1.0	70.0
69.0	WOEX 12....	1.5	72.0
70.0		1.5	73.0
71.0		1.5	74.0
72.0		1.5	75.0
73.0		1.5	76.0
74.0		1.5	77.0
75.0		1.5	78.0
76.0		1.5	79.0
77.0		1.5	80.0
78.0		1.5	81.0
79.0		1.5	82.0
80.0		1.0	82.0
81.0		0.75	82.5
82.0		0.5	83.0

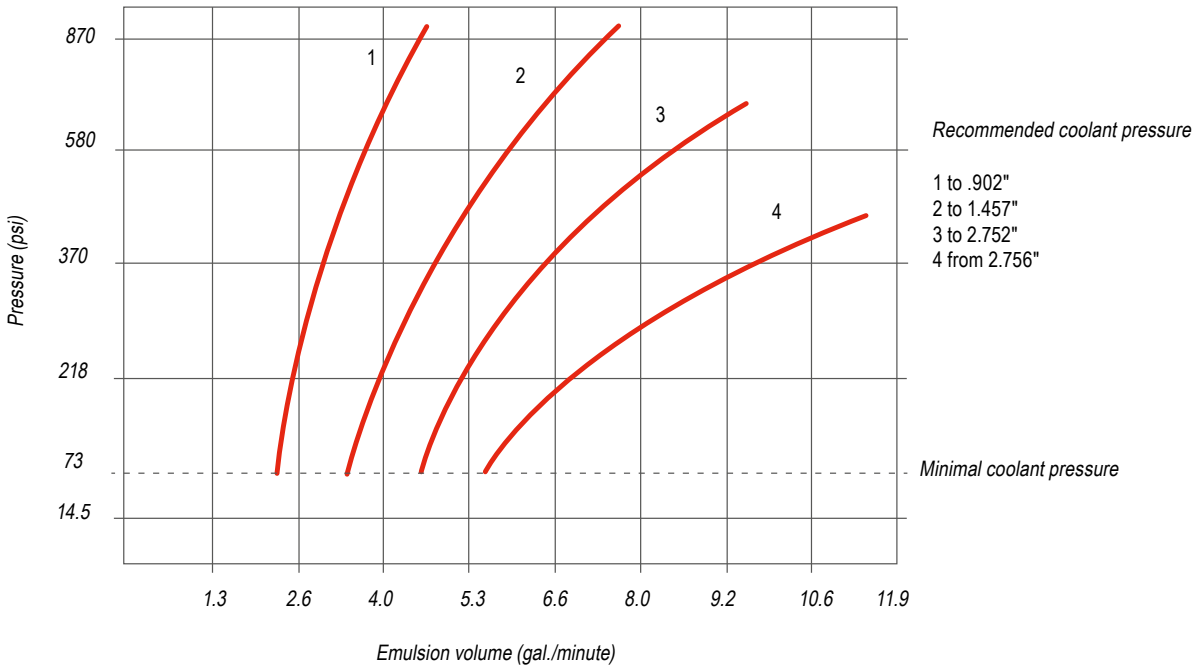
The maximum radial X-offset affects the cutting force balance of the drill, therefore, the use of lower feed rates is recommended!

Coding example indexable insert drilling

System		Length		Bore diameter		Direction of rotation		Insert size		Machine connection and size		Combination metric-inch
KUB-P	.	3D	.	0750	.	R	.	06	–	ABS 50	–	F
KUB-P	.	3D	.	1500	.	R	.	10	–	PSC 63	–	F
KUB-P	.	3D	.	1125	.	R	.	06	–	C 1250	–	EF
KUB-T	.	2D	.	1125	.	R	.	05	–	ABS 50	–	F
KUB-T	.	2.5D	.	1125	.	R	.	05	–	C 1250	–	E
KUB-C.GH	.	4D	.	320	.	R			–	ABS 50	–	F

KUB-P = KUB Pentron	0750 = 0.750“	R = right	ABS50 = ABS adapter size 50	F = inch front + metric shank
		R = right	PSC63 = Polygon shank taper size 63	F = inch front + metric shank
		R = right	C1250 = Cylindrical shank with clamping flat Ø1.250"	EF = inch front + inch shank
KUB-T = KUB Trigon	1125 = 1.125“	R = right	ABS50 = ABS adapter size 50	F = inch front + metric shank
		R = right	C1250 = Cylindrical shank with clamping flat Ø1.250"	E = metric front + inch shank
KUB-C.GH = KUB Centron Basic Element	320 = KLG 32	R = right	ABS50 = ABS adapter size 50	F = inch front + metric shank

Recommended coolant pressure and coolant flow

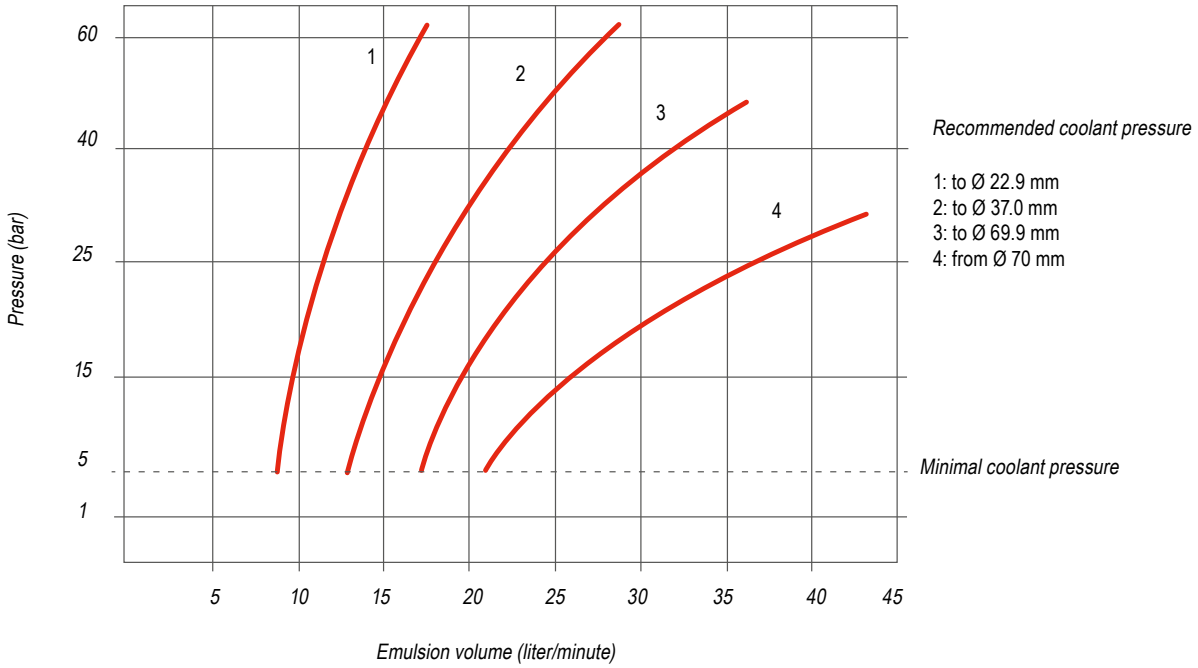


Coding example indexable insert drilling

System		Length		Bore diameter		Direction of rotation		Insert size		Machine connection and size
KUB-P	.	3D	.	215	.	R	.	07	–	ABS 50
KUB-P	.	3D	.	290	.	R	.	04	–	PSC 63
KUB-P	.	3D	.	300	.	R	.	09	–	C 32
KUB-P.GH-CS	.	3D	.	76-78	.	R			–	ABS 80
KUB-T	.	2D	.	350	.	R	.	05	–	K 32
KUB-T	.	2D	.	350	.	L	.	05	–	ABS 50
KUB-C.GH	.	4D	.	320	.	R			–	ABS 50

KUB-P = KUB Pentron	215 = 21.5 mm	R = right	ABS50 = ABS adapter size 50
	290 = 29.0 mm	R = right	PSC63 = Polygon shank taper size 63
	300 = 30.0 mm	R = right	C32 = Cylindrical shank Ø 32.0 mm
KUB-P.GH-CS = KUB Pentron CS	76-78 = 76-78 mm	R = right	ABS80 = ABS adapter size 80
KUB-T = KUB Trigon	350 = 35.0 mm	R = right	K32 = Cylindrical shank with combi clamping flat Ø 32.0 mm
		L = Left-hand	ABS50 = ABS adapter size 50
KUB-C.GH = KUB Centron	320 = KLG 32	R = right	ABS50 = ABS adapter size 50

Recommended coolant pressure and coolant flow

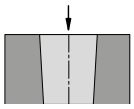


Indexable insert drilling – problems / possible causes / solutions

Rotating and stationary application

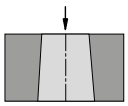
Short service life / types of wear of indexable inserts

- ▲ Cutting speed too high → select the correct cutting speed
- ▲ Insert grade selection has too little wear resistance → select a wear resistant grade
- ▲ Tool overhang too large → if possible, use a shorter tool
- ▲ Damaged insert seat → check tool, replace if necessary
- ▲ Clamping device stability too low → increase stability



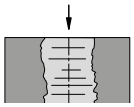
Hole tapers in

- ▲ Chip jam on the outer cutting edge → use a different chip breakage geometry, increase the feed if necessary
- ▲ Material very soft → increase the cutting speed, reduce the feed.
  Use a positive cutting edge geometry



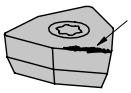
Hole tapers out

- ▲ Chip jam on the inner cutting edge → use a different chip breakage geometry, increase the feed if necessary



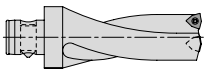
Poor surface quality

- ▲ Poor chip evacuation → optimize the cutting parameters: Increase the cutting speed, reduce the feed



Built-up edge

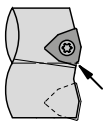
- ▲ Cutting speed too low → increase cutting speed
- ▲ Indexable insert too negative → use positive geometry
- ▲ Unsuitable coating → select the correct coating



Friction marks on the tool body

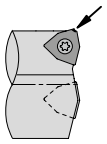
- ▲ Bore diameter too small → check the setting
- ▲ Chip evacuation problems → optimize the cutting parameters, check the geometry of the indexable insert
- ▲ Cutting radius too high → use the correct cutting radius

Stationary application



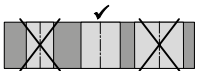
Edge breakage on the inner cutting edge

- ▲ Center height of the tool too high/too low → adjust tool turret/adapter if necessary → Recalibrate the machine
- ▲ Indexable insert grades interchanged → use correct indexable insert
- ▲ Feed too high → reduce feed
- ▲ Indexable insert grade too brittle → use a tougher indexable insert grade
- ▲ Incorrect indexable insert geometry → if necessary use a geometry with a chamfered cutting edge



Edge breakage on the outer cutting edge

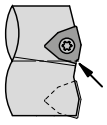
- ▲ Feed too high → reduce feed
- ▲ Interrupted cut → switch to a tougher grade of indexable insert
- ▲ Cutting radius too small → use an indexable insert with a larger cutting radius



Hole too small / too large with adjustable tools

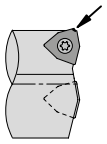
- ▲ Machine is not in the X-0 position → move axis to correct position
- ▲ Machine axis has been moved → recalibrate the machine

Rotating application



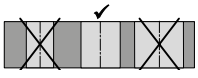
Edge breakage on the inner cutting edge

- ▲ Indexable insert grades interchanged → use correct indexable insert
- ▲ Feed too high → reduce feed
- ▲ Indexable insert grade too brittle → use a tougher indexable insert grade
- ▲ Incorrect indexable insert geometry → if necessary use a geometry with a chamfered cutting edge



Edge breakage on the outer cutting edge

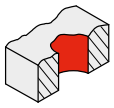
- ▲ Feed too high → reduce feed
- ▲ Interrupted cut → switch to a tougher grade of indexable insert
- ▲ Cutting radius too small → use an indexable insert with a larger cutting radius



Hole too small / too large when using adjustable tools

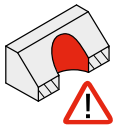
- ▲ Incorrect cutting radius used → use the correct cutting radius
- ▲ Incorrect setting → use the correct tool setting
- ▲ Increase cutting fluid supply

KUB Centron – notes on drilling technology

1. 

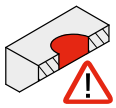
Center drill entering on uneven surfaces (casting surfaces)

- ▲ Generally possible
- ▲ Reduce feed when spot drilling

2. 

Center drill entering on angled surfaces

- ▲ The spot drilling location must be spot faced in advance
- ▲ Avoid chips jamming on the drill shank

3. 

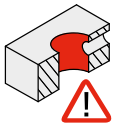
Angled drill exit

- ▲ Possible under certain conditions
- ▲ If necessary, reduce feed
- ▲ Drilling angle max. 3°

4. 

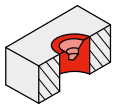
Center drill entering on convex surfaces

- ▲ Center drilling possible with reduced feed
- ▲ If the spot drilling location is outside the center of the radius, spot facing is required

5. 

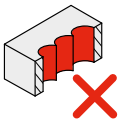
Drilling through a cross hole

- ▲ Halve the feed for interrupted cut
- ▲ Transverse hole max. 1/3 of the bore diameter
- ▲ Eccentric transverse hole not possible

6. 

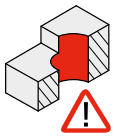
Center drill entering on pre-op or large center drilled hole

- ▲ Possible under certain conditions
- ▲ If necessary, reduce feed
- ▲ In the case of a large center, spot facing is required in advance
- ▲ If necessary, optimize the basic setting of the center drill

7. 

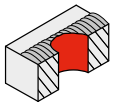
Drilling a cavity

- ▲ Not possible

8. 

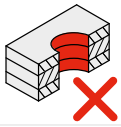
Center drill entering on an edge

- ▲ Not possible with 4xD tools
- ▲ Preparation required due to undefined spot drilling location (spot facing, face milling)
- ▲ Then continue as described under Point 1

9. 

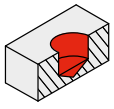
Center drill entering on a forging/welding/casting seam

- ▲ Reduce feed when spot drilling
- ▲ If necessary, carry out facing in advance

10. 

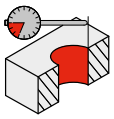
Drilling through stacks

- ▲ Not possible

11. 

Blind hole

- ▲ Possible
- ▲ Set guide rails 0.5 mm below actual Ø

12. 

Adjustable

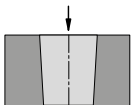
- ▲ Adjustable from a diameter of 65 mm

KUB Centron – problems / possible causes / solutions

Rotating and stationary application

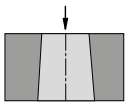
Short service life / types of wear of indexable inserts

- ▲ Cutting speed too high → select the correct cutting speed
- ▲ Grade has too little wear resistance → select a wear-resistant grade
- ▲ Tool overhang too large → if possible, use a shorter tool
- ▲ Damaged insert seat → check tool, replace if necessary
- ▲ Clamping device stability too low → increase stability



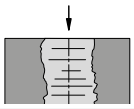
Hole tapers in

- ▲ Chip jam on the outer cutting edge → use a different chip breakage geometry, increase the feed if necessary
- ▲ Material very soft → increase the cutting speed, reduce the feed
- ▲ Use positive cutting edge geometry
- ▲ Axial adjustment of the center drill not optimal → adjust according to the setting sheet in the operating instructions



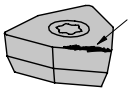
Hole tapers out

- ▲ Chip jam on the inner cutting edge → use a different chip breakage geometry, increase the feed if necessary



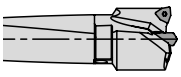
Poor surface quality

- ▲ Poor chip evacuation → optimize the cutting parameters: Increase the cutting speed, reduce the feed



Built-up edge

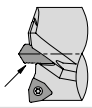
- ▲ Cutting speed too low → increase cutting speed
- ▲ Indexable insert too negative → use positive geometry
- ▲ Unsuitable coating → select the correct coating



Friction marks on the tool body

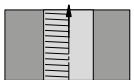
- ▲ Bore diameter too small → check the setting
- ▲ Chip evacuation problems → optimize the cutting parameters, check the geometry of the indexable insert
- ▲ Cutting radius too large → use the correct cutting radius
- ▲ Chips stuck on the guide pads, broken guide pads, the guide pads do not have to be used for base elements of < 6xD

Stationary application



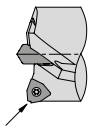
Significant wear on one side of the center drill

- ▲ Tool not centered → tool turret/adapter may have moved → recalibrate the machine



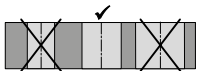
Single-sided retract marks

- ▲ Tool not centered → tool turret/adapter may have moved → recalibrate the machine



Edge breakage on the outer cutting edge

- ▲ Feed too high → reduce feed
- ▲ Interrupted cut → switch to a tougher grade of indexable insert
- ▲ Cutting radius too small → use an indexable insert with a larger cutting radius



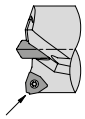
Hole too small / too large with adjustable tools

- ▲ Machine is not in the X-0 position → move axis to correct position
- ▲ Machine axis has been moved → recalibrate the machine

Rotating application

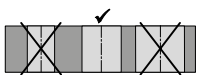
Significant wear on one side of the center drill

- ▲ Guidance insufficient → check length adjustment of the center drill



Edge breakage on the outer cutting edge

- ▲ Feed too high → reduce feed
- ▲ Interrupted cut → switch to a tougher grade of indexable insert
- ▲ Cutting radius too small → use an indexable insert with a larger cutting radius



Hole too small / too large with adjustable tools

- ▲ Incorrect cutting radius used → use the correct cutting radius
- ▲ Incorrect setting → use the correct tool setting

Chip breakers

		KOMET \ Performance WOEX	KOMET \ Performance SOGX
-01	▲ Universal geometry with stable cutting edge, suitable for a wide range of materials ▲ Can be used for center and periphery (BK6115 -01: Recommended for periphery only)		
-03	▲ Geometry for chip breakage problems with excellent chip control even at low feeds ▲ WOEX BK8425 -03: Can be used for periphery only ▲ SOGX BK8430 -03: Suitable for center and periphery ▲ Main application in long-chipping materials as well as low alloy and stainless steels		
-11	▲ Highly positive, minimally rounded chip breaker ▲ For soft-cutting usage ▲ Main application in aluminium or heat-resistant materials		
-13	▲ Positive geometry, the dome-shaped chip breaker results in more controlled breaking of the chips ▲ Can be used for center and periphery ▲ Also suitable for unstable machining conditions due to low cutting forces and power consumption ▲ Can be used with a wide range of materials		
-21	▲ Highly positive, soft-cutting geometry ▲ Can be used for center and periphery ▲ BK7935: Can be used for periphery only ▲ Lower cutting forces and reduced power consumption ▲ Main application (depending on grade) in non-ferrous metals, steels and stainless steels, extended application range also for titanium alloys		
-32	▲ Minimised burr formation on entry and exit of hole ▲ Reliable separation of disc-shaped residual material when the drill exits the hole ▲ Suitable for a wide range of materials		
-34	▲ High-feed geometry ▲ Extremely sturdy indexable insert ▲ Requires higher drive power and stable setup ▲ Designed specially for steel and cast iron materials		

Further indexable inserts can be found in our online shop
cuttingtools.ceratizit.com

Grades Overview

BK7710

- Carbide, TiB_2-coated
- ISO | **N10** | S10 | O10
- The wear-resistant grade with optimum cutting characteristics to prevent built-up edge formation for machining aluminium and titanium alloys.

BK7615

- Carbide, TiCN-Al_2O_3-coated
- ISO | **K15**
- Highly productive grade with extreme edge stability for wet and dry machining of all cast iron materials

BK62

- Carbide, TiN-TiCN-Al_2O_3-coated
- ISO | **K15** | H15
- Special carbide grade for machining cast iron materials at high cutting speeds. Not suitable for machining aluminium materials.

BK79

- Carbide, TiAlN-coated
- ISO | **P40** | **M35** | **K25** | N30
- Universally applicable grade with high wear-resistance
- low to medium cutting speed for roughing and finishing as well as interrupted cut

BK77

- Carbide, TiN-coated
- ISO | **S10** | H10 | O10
- The wear-resistant carbide grade for machining aluminum alloys, superalloys and plastics at medium cutting speeds.

BK8425

- Carbide, TiAlN/TiN-coated
- ISO | **P25** | **M25** | **K25** | N25 | **S25** | H25
- Universally applicable grade with increased wear resistance thanks to the innovative PVD coating in a multilayer design.

BK8430

- Carbide, TiAlN/TiN-coated
- ISO | **P25** | **M25** | **K25** | N25 | **S25** | H25
- Fine-grain grade with high wear resistance
- Extreme edge stability and maximum wear resistance in the middle and top speed range

BK6115

- Carbide, TiCN-TiN-Al_2O_3-coated
- ISO | **P20** | **M20** | **K20** | H20
- High-quality, surface-treated coating for machining cast iron materials under normal to stable conditions and high cutting speeds.

BK7935

- Carbide, AlTiN-coated
- ISO | **P35** | **M30** | **K30** | N30 | **S30** | O30
- The tough carbide grade for machining stainless steel and acid-resistant steels as well as special alloys.

Application