

DIAMETAL®

BURINS INTERIEURS

DE·EN



BURINS INTERIEURS

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BCT

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Turning-copying boring bars

COT

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GRT

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BURINS INTERIEURS

Kodierung Ausdrehstähle
Codification Internal boring bars

01	02	03	04	05	06	Art. N°
BOT	4	R	0.20	0.60	0.02	450333

- 01

Anwendung
Application
- 06

Zusätzliche Informationen
Further information

BOT
Ausdrehen
Boring
BCT
Ausdrehen-Kopieren
Boring-copying
COT
Kopieren
Copying
GRT
Einstechen
Grooving
THT
Gewindedrehen
Threading

- 02

Schaftdurchmesser des Ausdrehstahls
Shank diameter of the internal boring bar

- 03

Richtung
Direction

L
Links
Left
R
Rechts
Right

- 04

Min. Durchmesser
Minimum diameter

- 05

Nutzbare Länge
Useful lenght

BURINS INTERIEURS

Kodierung des Werkzeughalters
Codification of toolholders

01	02	03	04	Art. N°
HTH	25	4	30/55	450251

01 Ausführung
Execution

HTH
Hydraulische Spannung
Hydraulic clamping
MTH
Mechanische Spannung
Mechanical clamping

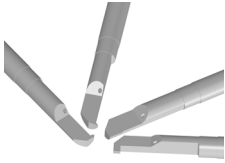
02 Aussendurchmesser des Werkzeughalters
Toolholder shank diameter

03 Bohrungsdurchmesser
Bore diameter

04 Nutzlänge / Gesamtlänge
Useful length / Total length

BURINS INTERIEURS

Stärken
Strengths



Vollständiges Programm

Das Programm bietet eine vielfältige Auswahl an Innenausdrehwerkzeuge aus Hartmetall, wie Ausbohren, Einstechen, Kopieren und Gewindedrehen.

Full program

The program offers a comprehensive selection of carbide internal boring bars with cooling holes for operations such as drilling, countersinking, copying and threading.

Werkzeughalter mit hydraulischem Spannsystem



Dank ihrer hochpräzisen Ausführung und ihrer Schwingungsdämpfungsfunktion bieten die hydraulisch gespannten Werkzeugaufnahmen (HTH) einen Rundlauf von weniger als von 0,001mm und ermöglichen eine extreme Stabilität beim Werkzeugwechsel.

Tool holder with hydraulic clamping system

Due to their high-precision design and vibration damping function, the hydraulically clamped tool holders (HTH) provide runout of less than from 0.001 mm and allow extreme stability during tool changes.

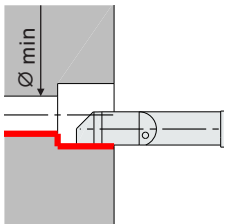
Werkzeughalter mit mechanischem Spannsystem



Einfacher aufgebaut, aber sehr präzise sind die mechanisch gespannten Werkzeughalter (MTH). Mit 4 Schrauben wird das Ausdrehwerkzeug gespannt und erreicht einen Rundlauf von weniger als 0,003 mm.

Tool holder with mechanical clamping system

Tool holder with mechanical clamping system More simple in design, but very precise are the mechanically clamped toolholders (MTH). The boring tool is clamped with 4 screws and achieves a runout of less than 0.003 mm.



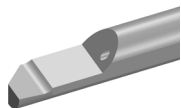
Kleine Bohrungen ausdrehen

Die Innenausdrehwerkzeuge sind in der Lage einen Minimalen Durchmesser von 0.20mm zu drehen.

Drilling of small diameters

The internal boring bars enable the turning of holes up to a minimum diameter of 0.20

Innenkühlung



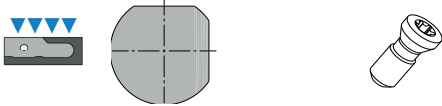
Beide Werkzeugaufnahmen HTH und MTH sind für Innenkühlung ausgelegt.

Integrated coolant

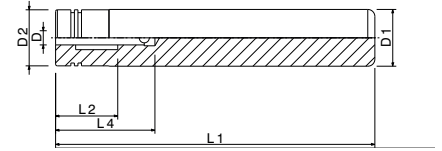
Both HTH and MTH toolholders are prepared for use with coolant.

HTH FRONT TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



CITIZEN

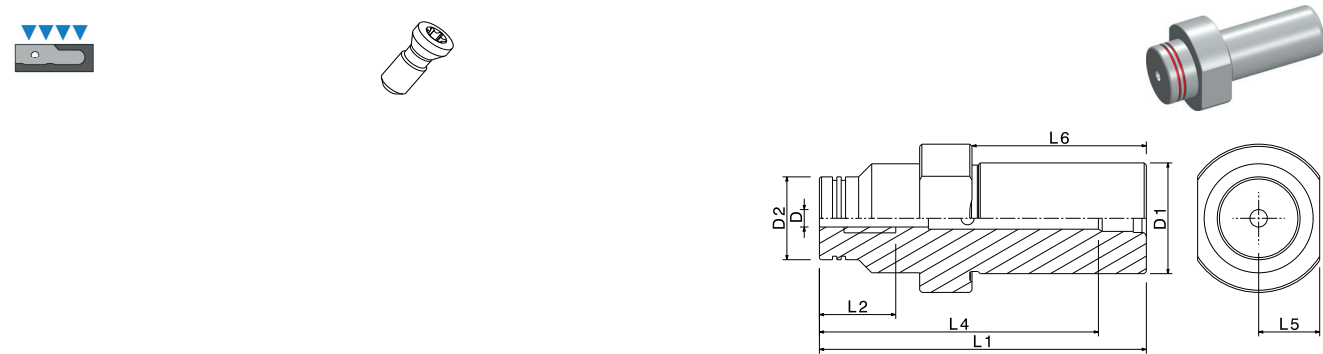


D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH19.05-110								C / L20 / M16
3.00	19.05	19.05	110.00	17.50	40.00	-	-	450242
4.00	19.05	19.05	110.00	21.00	40.00	-	-	450243
6.00	19.05	19.05	110.00	23.00	52.00	-	-	450244
HTH25.4-110								C / L32 / M
3.00	25.40	25.40	110.00	17.50	40.00	-	-	450245
4.00	25.40	25.40	110.00	21.00	40.00	-	-	450246
6.00	25.40	25.40	110.00	23.00	52.00	-	-	450247

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping

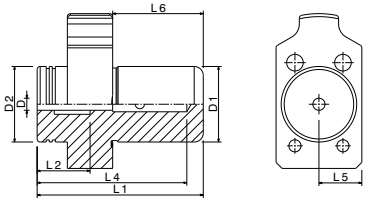
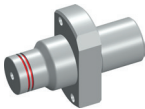
CITIZEN



D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH19.05-40/63								C / L20 / M16
3.00	19.05	20.00	63.00	17.50	53.00	13.50	40.00	450248
4.00	19.05	22.00	63.00	21.00	53.00	14.00	40.00	450249
6.00	19.05	24.00	63.00	23.00	53.00	15.00	40.00	450250

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



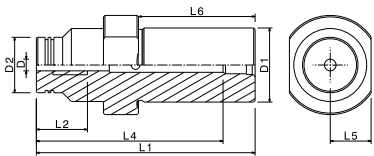
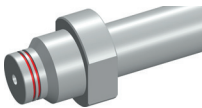
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH25-30/55							C / L / M20 / M32	
4.00	25.00	25.00	55.00	21.00	45.00	14.20	30.00	450251
6.00	25.00	25.00	55.00	23.00	45.00	14.20	30.00	450252

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



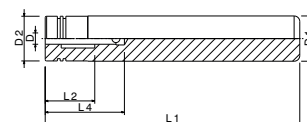
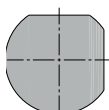
CITIZEN



D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH25.4-40/75								C / L / M32
4.00	25.40	19.00	75.00	21.00	46.00	14.00	40.00	450253
6.00	25.40	20.00	75.00	23.00	51.00	15.00	40.00	450254

HTH FRONT TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



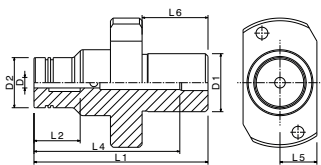
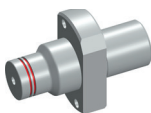
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH16-90								SR-10J
3.00	16.00	16.00	90.00	17.50	40.00	-	-	450255
4.00	16.00	16.00	90.00	21.00	40.00	-	-	450256
6.00	16.00	16.00	90.00	23.00	37.00	-	-	450257
HTH22-110								12 / 20
3.00	22.00	22.00	110.00	17.50	40.00	-	-	450258
4.00	22.00	22.00	110.00	21.00	40.00	-	-	450259
6.00	22.00	22.00	110.00	23.00	52.00	-	-	450260
HTH32-110								32
3.00	32.00	32.00	110.00	17.50	40.00	-	-	450261
4.00	32.00	32.00	110.00	21.00	40.00	-	-	450262
6.00	32.00	32.00	110.00	23.00	52.00	-	-	450263

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



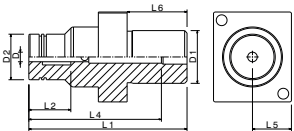
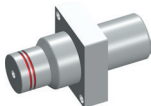
STAR



D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH22-25/66A								12 / 20
4.00	22.00	19.00	66.00	21.00	56.00	14.00	25.00	450264
6.00	22.00	20.00	66.00	23.00	47.00	14.00	25.00	450265

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping

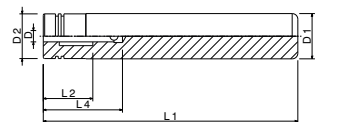
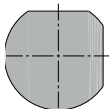


D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH22-25/66B								SW20 / SR20IV
4.00	22.00	19.00	66.00	21.00	56.00	16.25	25.00	450266
6.00	22.00	20.00	66.00	23.00	47.00	16.25	25.00	450267

HTH FRONT TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping

TSUGAMI



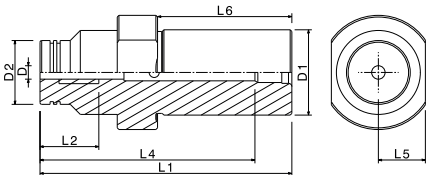
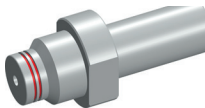
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH16-50								P01 / P03
3.00	16.00	16.00	50.00	17.50	28.00	-	-	450268
4.00	16.00	16.00	50.00	21.00	28.00	-	-	450269
HTH20-110								BO12 / 20 / S20
3.00	20.00	20.00	110.00	17.50	40.00	-	-	450270
4.00	20.00	20.00	110.00	21.00	40.00	-	-	450271
6.00	20.00	20.00	110.00	23.00	52.00	-	-	450272
HTH25-110								32
3.00	25.00	25.00	110.00	17.50	40.00	-	-	450273
4.00	25.00	25.00	110.00	21.00	40.00	-	-	450274
6.00	25.00	25.00	110.00	23.00	52.00	-	-	450275

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



TSUGAMI

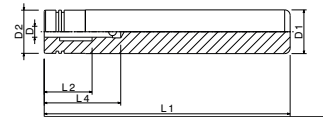
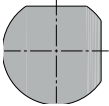


D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH20-40/75								BO12 / 20 / S20
4.00	20.00	19.00	75.00	21.00	46.00	14.00	40.00	450276
6.00	20.00	20.00	75.00	23.00	51.00	15.00	40.00	450277
HTH25-60/95								32
4.00	25.00	19.00	95.00	21.00	46.00	14.00	60.00	450278
6.00	25.00	20.00	95.00	23.00	51.00	15.00	60.00	450279

HTH FRONT TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping

TORNOS



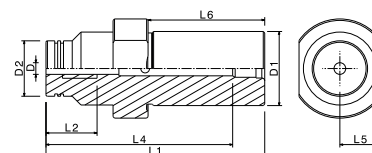
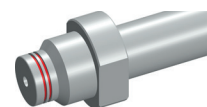
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH16-50								Micro 7 / Micro 8
3.00	16.00	16.00	50.00	17.50	28.00	-	-	450268
4.00	16.00	16.00	50.00	21.00	28.00	-	-	450269
HTH16-90								Swiss Nano
3.00	16.00	16.00	90.00	17.50	40.00	-	-	450255
4.00	16.00	16.00	90.00	21.00	40.00	-	-	450256
6.00	16.00	16.00	90.00	23.00	37.00	-	-	450257
HTH20-110								Gamma 20
3.00	20.00	20.00	110.00	17.50	40.00	-	-	450270
4.00	20.00	20.00	110.00	21.00	40.00	-	-	450271
6.00	20.00	20.00	110.00	23.00	52.00	-	-	450272
HTH22-110								Delta 20 / Gamma 20
3.00	22.00	22.00	110.00	17.50	40.00	-	-	450258
4.00	22.00	22.00	110.00	21.00	40.00	-	-	450259
6.00	22.00	22.00	110.00	23.00	52.00	-	-	450260
HTH25-110								Deco 7 / Deco 10 / Deco 13 / Deco 20
3.00	25.00	25.00	110.00	17.50	40.00	-	-	450273
4.00	25.00	25.00	110.00	21.00	40.00	-	-	450274
6.00	25.00	25.00	110.00	23.00	52.00	-	-	450275

HTH BACK TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



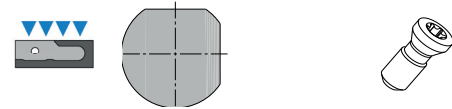
TORNOS



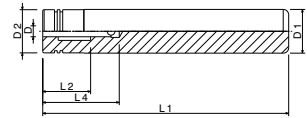
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH20-40/75							GT13 / GT16 / Gamma 20	
4.00	20.00	19.00	75.00	21.00	46.00	14.00	40.00	450276
6.00	20.00	20.00	75.00	23.00	51.00	15.00	40.00	450277
HTH25-60/95							Deco 7 / Deco 10 / Deco 13 / Deco 20	
4.00	25.00	19.00	95.00	21.00	46.00	14.00	60.00	450278
6.00	25.00	20.00	95.00	23.00	51.00	15.00	60.00	450279

HTH FRONT TYPE

Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



HANWHA



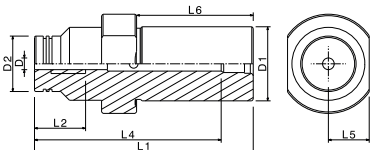
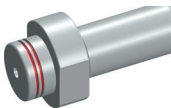
D	D1	D2	L1	L2	L4	L5	L6	Art .N°
HTH20-110								SL12H
3.00	20.00	20.00	110.00	17.50	40.00	-	-	450270
4.00	20.00	20.00	110.00	21.00	40.00	-	-	450271
6.00	20.00	20.00	110.00	23.00	52.00	-	-	450272
HTH25-110								20
3.00	25.00	25.00	110.00	17.50	40.00	-	-	450273
4.00	25.00	25.00	110.00	21.00	40.00	-	-	450274
6.00	25.00	25.00	110.00	23.00	52.00	-	-	450275
HTH32-110								32
3.00	32.00	32.00	110.00	17.50	40.00	-	-	450261
4.00	32.00	32.00	110.00	21.00	40.00	-	-	450262
6.00	32.00	32.00	110.00	23.00	52.00	-	-	450263

HTH BACK TYPE

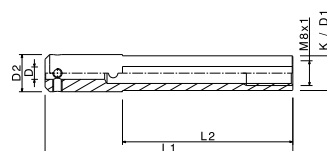
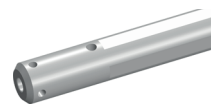
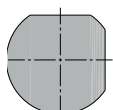
Hochpräzisions-Werkzeughalter mit hydraulischem Spannsystem
High-precision toolholder with hydraulic clamping



HANWHA



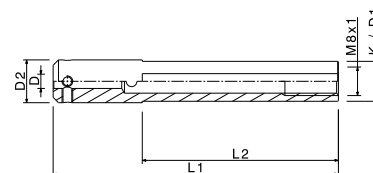
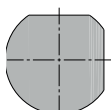
D	D1	D2	L1	L2	L4	L5	L6	Art. N°
HTH25-60/95								12 / 20 / 32
4.00	25.00	19.00	95.00	21.00	46.00	14.00	60.00	450278
6.00	25.00	20.00	95.00	23.00	51.00	15.00	60.00	450279



D	D1	D2	L1	L2	L4	L5	L6	K	Art. N°
MTH10									
4.00	10.00	10.00	80.00	55.00	-	-	-	8.80	450309
MTH12									
4.00	12.00	12.00	80.00	55.00	-	-	-	11.20	450310
6.00	12.00	12.00	80.00	55.00	-	-	-	11.20	450311
MTH13									
4.00	13.00	12.00	80.00	55.00	-	-	-	11.20	450312
6.00	13.00	12.00	80.00	55.00	-	-	-	11.20	450313
MTH16									
4.00	16.00	12.00	80.00	55.00	-	-	-	14.00	450314
6.00	16.00	12.00	80.00	55.00	-	-	-	14.00	450315
MTH19.05									
4.00	19.05	12.00	100.00	70.00	-	-	-	17.00	450316
6.00	19.05	12.00	100.00	70.00	-	-	-	17.00	450317

MTH

Hochpräzisions-Werkzeughalter mit mechanischem Spannsystem
High-precision toolholder with mechanic clamping



D	D1	D2	L1	L2	L4	L5	L6	K	Art. N°
MTH20									
4.00	20.00	12.00	100.00	70.00	-	-	-	18.00	450318
6.00	20.00	12.00	100.00	70.00	-	-	-	18.00	450319
MTH22									
4.00	22.00	12.00	100.00	70.00	-	-	-	20.00	450320
6.00	22.00	12.00	100.00	70.00	-	-	-	20.00	450321
MTH25									
4.00	25.00	12.00	100.00	80.00	-	-	-	23.00	450322
6.00	25.00	12.00	100.00	80.00	-	-	-	23.00	450323
MTH25.4									
4.00	25.40	12.00	100.00	80.00	-	-	-	23.40	450324
6.00	25.40	12.00	100.00	80.00	-	-	-	23.40	450325

BOT

Ausdrehstähle mit Innenkühlung
Internal boring bars with integrated coolant

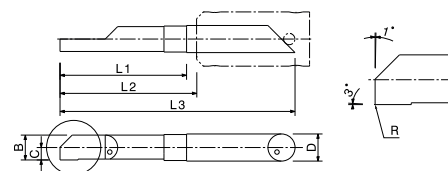


P1	P2	P3	P4	P5	M1	M2	M3		N1	N2
N3	N4	N5	N6	N7	N8	S1	S2	S3		

Schruppen
Roughing



Schlichten
Finishing



D	Ø min.	L1	L2		B	C	R	L3	Unbeschichtet Uncoated Art. N°
			HTH	MTH					

BOT R

4.00	0.20	0.60	11.00	17.20	0.17	0.10	0.02	39.00	450333
4.00	0.20	1.00	11.00	17.20	0.17	0.10	0.02	39.00	450334
4.00	0.30	0.90	11.00	17.20	0.26	0.16	0.02	39.00	450335
4.00	0.30	1.20	11.00	17.20	0.26	0.16	0.02	39.00	450336
4.00	0.50	1.50	11.00	17.20	0.45	0.26	0.02	39.00	450337
4.00	0.50	2.00	11.00	17.20	0.45	0.26	0.02	39.00	450338
4.00	0.80	2.50	11.00	17.20	0.75	0.41	0.05	39.00	450339
4.00	0.80	4.00	11.00	17.20	0.75	0.41	0.05	39.00	450340
4.00	1.00	3.00	11.00	17.20	0.90	0.51	0.02	39.00	450341
4.00	1.00	5.00	11.00	17.20	0.90	0.51	0.02	39.00	450342
4.00	1.50	4.50	11.00	17.20	1.40	0.76	0.02	39.00	450343
4.00	1.50	7.50	11.00	17.20	1.40	0.76	0.02	39.00	450344
4.00	2.00	6.00	11.00	17.20	1.90	1.01	0.02	39.00	450345
4.00	2.00	10.00	16.00	22.20	1.90	1.01	0.02	44.00	450346
4.00	2.50	7.50	11.00	17.20	2.30	1.26	0.05	39.00	450347
4.00	2.50	12.00	16.00	22.20	2.30	1.26	0.05	44.00	450348
4.00	3.00	9.00	16.00	22.20	2.70	1.51	0.05	44.00	450349
4.00	3.00	15.00	21.00	27.20	2.70	1.51	0.05	49.00	450350
4.00	3.50	10.00	16.00	22.20	3.20	1.76	0.05	44.00	450351
4.00	3.50	18.00	21.00	27.20	3.20	1.76	0.05	49.00	450352
4.00	4.00	12.00	21.00	27.20	3.80	2.01	0.05	49.00	450353
4.00	4.00	20.00	31.00	37.20	3.80	2.01	0.05	59.00	450354
6.00	4.00	12.00	21.00	27.20	3.80	2.01	0.05	49.00	450355
6.00	4.00	20.00	31.00	37.20	3.80	2.01	0.05	59.00	450356
6.00	4.50	13.00	21.00	27.20	4.28	2.26	0.05	49.00	450357
6.00	4.50	22.00	31.00	37.20	4.28	2.26	0.05	59.00	450358
6.00	5.00	15.00	21.00	27.20	4.75	2.51	0.05	49.00	450359
6.00	5.00	25.00	31.00	37.20	4.75	2.51	0.05	59.00	450360
6.00	6.00	18.00	21.00	27.20	5.50	3.01	0.10	49.00	450361
6.00	6.00	28.00	31.00	37.20	5.50	3.01	0.10	59.00	450362

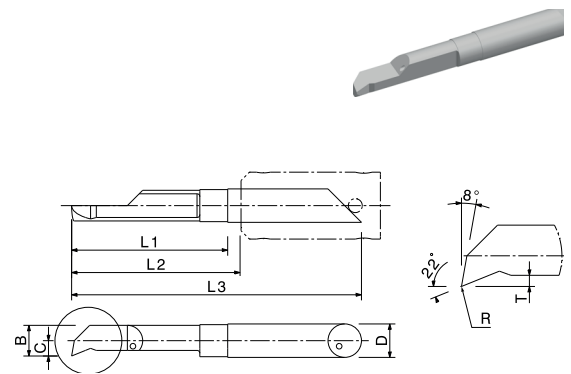
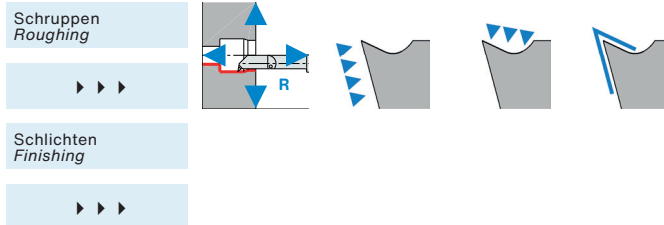
Weitere Ausführungen auf Anfrage
Other executions on request

BCT

Ausdreh- und Kopierstäbe mit Innenkühlung
Internal and copying boring bars with integrated coolant



P1	P2	P3	P4	P5	M1	M2	M3		N1	N2
N3	N4	N5	N6	N7	N8	S1	S2	S3		



D	Ø min.	L1	L2		T	B	C	R	L3	Unbeschichtet Uncoated Art. N°
			HTH	MTH						

BCT R

4.00	0.50	1.50	11.00	17.20	0.05	0.45	0.26	0.02	39.00	450363
4.00	0.50	2.00	11.00	17.20	0.05	0.45	0.26	0.02	39.00	450364
4.00	0.80	2.00	11.00	17.20	0.10	0.70	0.41	0.05	39.00	450365
4.00	0.80	3.50	11.00	17.20	0.10	0.70	0.41	0.05	39.00	450366
4.00	1.00	3.00	11.00	17.20	0.15	0.90	0.70	0.05	39.00	450367
4.00	1.00	5.00	11.00	17.20	0.15	0.90	0.70	0.05	39.00	450368
4.00	1.50	4.50	11.00	17.20	0.23	1.35	0.75	0.05	39.00	450369
4.00	1.50	7.00	11.00	17.20	0.23	1.35	0.75	0.05	39.00	450370
4.00	2.00	6.00	11.00	17.20	0.30	1.80	1.15	0.05	39.00	450371
4.00	2.00	10.00	16.00	22.20	0.30	1.80	1.15	0.05	44.00	450372
4.00	2.50	7.00	11.00	17.20	0.38	2.25	1.30	0.10	39.00	450373
4.00	2.50	12.00	16.00	22.20	0.38	2.25	1.30	0.10	44.00	450374
4.00	3.00	9.00	16.00	22.20	0.45	2.70	1.35	0.10	44.00	450375
4.00	3.00	15.00	21.00	27.20	0.45	2.70	1.35	0.10	49.00	450376
4.00	3.50	10.00	16.00	22.20	0.53	3.15	1.60	0.10	44.00	450377
4.00	3.50	18.00	21.00	27.20	0.53	3.15	1.60	0.10	49.00	450378
4.00	4.00	12.00	21.00	27.20	0.60	3.80	2.20	0.10	49.00	450379
4.00	4.00	20.00	31.00	37.20	0.60	3.80	2.20	0.10	59.00	450380
6.00	4.00	12.00	21.00	27.20	0.60	3.80	2.20	0.10	49.00	450381
6.00	4.00	20.00	31.00	37.20	0.60	3.80	2.20	0.10	59.00	450382
6.00	4.50	13.00	21.00	27.20	0.68	4.28	2.30	0.15	49.00	450383
6.00	4.50	22.00	31.00	37.20	0.68	4.28	2.30	0.15	59.00	450384
6.00	5.00	15.00	21.00	27.20	0.75	4.75	2.40	0.15	49.00	450385
6.00	5.00	25.00	31.00	37.20	0.75	4.75	2.40	0.15	59.00	450386
6.00	5.50	16.00	21.00	27.20	0.83	5.15	2.60	0.15	49.00	450387
6.00	5.50	28.00	31.00	37.20	0.83	5.15	2.60	0.15	59.00	450388

Weitere Ausführungen auf Anfrage
Other executions on request

COT

Kopierstäbe mit Innenkühlung
Copying bars with integrated coolant

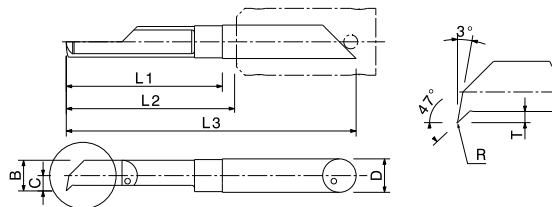


P1	P2	P3	P4	P5	M1	M2	M3		N1	N2
N3	N4	N5	N6	N7	N8	S1	S2	S3		

Schruppen
Roughing



Schlichten
Finishing



D	Ø min.	L1	L2		T	B	C	R	L3	Unbeschichtet Uncoated Art. N°
			HTH	MTH						

COT R

4.00	1.00	3.00	11.00	17.20	0.15	0.90	0.70	0.02	39.00	450389
4.00	1.00	5.00	16.00	22.20	0.15	0.90	0.70	0.02	44.00	450390
4.00	2.00	6.00	11.00	17.20	0.35	1.80	1.15	0.05	39.00	450391
4.00	2.00	10.00	16.00	22.20	0.35	1.80	1.15	0.05	44.00	450392
4.00	2.50	7.00	11.00	17.20	0.50	2.25	1.35	0.05	39.00	450393
4.00	2.50	7.00	11.00	17.20	0.50	2.25	1.35	0.10	39.00	460659
4.00	2.50	12.00	16.00	22.20	0.50	2.25	1.35	0.05	44.00	450394
4.00	3.00	9.00	16.00	22.20	0.60	2.70	1.45	0.10	44.00	450395
4.00	3.00	15.00	21.00	27.20	0.60	2.70	1.45	0.10	49.00	450396
4.00	3.50	10.00	16.00	22.20	0.70	3.15	1.60	0.10	44.00	450397
4.00	3.50	17.00	21.00	27.20	0.70	3.15	1.60	0.10	49.00	450398
4.00	4.00	12.00	21.00	27.20	0.80	3.80	2.30	0.10	49.00	450399
4.00	4.00	20.00	31.00	37.20	0.80	3.80	2.30	0.10	59.00	450400
4.00	4.00	20.00	31.00	37.20	0.80	3.80	2.30	0.15	59.00	460760
6.00	4.00	12.00	21.00	27.20	0.80	3.80	2.30	0.10	49.00	450401
6.00	4.00	20.00	31.00	37.20	0.80	3.80	2.30	0.10	59.00	450402
6.00	4.50	13.00	21.00	27.20	0.90	4.28	2.40	0.15	49.00	450403
6.00	4.50	22.00	31.00	37.20	0.90	4.28	2.40	0.15	59.00	450404
6.00	5.00	15.00	21.00	27.20	1.00	4.75	2.50	0.15	49.00	450405
6.00	5.00	25.00	31.00	37.20	1.00	4.75	2.50	0.15	59.00	450406
6.00	5.50	17.00	21.00	27.20	1.10	5.15	2.60	0.15	49.00	450407
6.00	5.50	28.00	31.00	37.20	1.10	5.15	2.60	0.15	59.00	450408

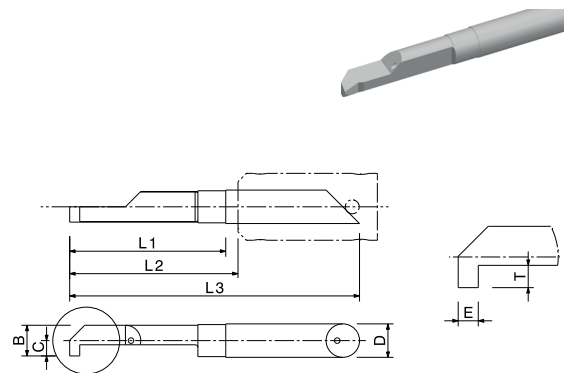
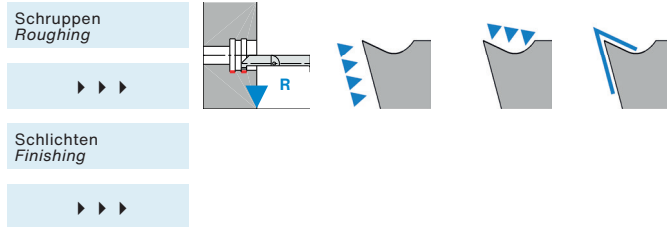
Weitere Ausführungen auf Anfrage
Other executions on request

GRT

Einstechstähle mit Innenkühlung
Grooving bars with integrated coolant



P1	P2	P3	P4	P5	M1	M2	M3		N1	N2
N3	N4	N5	N6	N7	N8	S1	S2	S3		



D	Ø min.	L1	L2		E	T	B	C	L3	Unbeschichtet Uncoated Art. N°
			HTH	MTH						

GRT R

4.00	3.00	9.00	16.00	22.20	0.50	0.60	2.75	1.45	44.00	450409
4.00	3.00	15.00	21.00	27.20	0.50	0.60	2.75	1.45	49.00	450410
4.00	3.50	10.00	16.00	22.20	0.75	0.70	3.20	1.65	44.00	450411
4.00	3.50	18.00	21.00	27.20	0.75	0.70	3.20	1.65	49.00	450412
4.00	4.00	12.00	21.00	27.20	1.00	0.80	3.80	2.20	49.00	450413
4.00	4.00	20.00	31.00	37.20	1.00	0.80	3.80	2.20	59.00	450414
6.00	4.50	14.00	21.00	27.20	1.00	1.20	4.30	2.40	49.00	450415
6.00	4.50	23.00	31.00	37.20	1.00	1.20	4.30	2.40	59.00	450416
6.00	5.00	15.00	21.00	27.20	1.20	1.50	4.80	2.50	49.00	450417
6.00	5.00	25.00	31.00	37.20	1.20	1.50	4.80	2.50	59.00	450418
6.00	5.50	17.00	21.00	27.20	1.50	1.60	5.20	2.60	49.00	450419
6.00	5.50	28.00	31.00	37.20	1.50	1.60	5.20	2.60	59.00	450420
6.00	6.00	17.00	21.00	27.20	1.80	2.00	5.80	3.20	49.00	450421
6.00	6.00	28.00	31.00	37.20	1.80	2.00	5.80	3.20	59.00	450422

Weitere Ausführungen auf Anfrage
Other executions on request

THT

Gewindedrehstähle mit Innenkühlung
Threading bars with integrated coolant

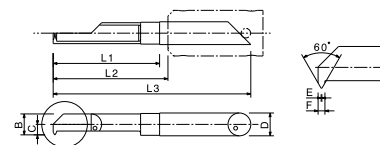
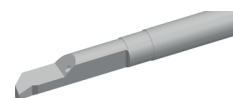


P1	P2	P3	P4	P5	M1	M2	M3		N1	N2
N3	N4	N5	N6	N7	N8	S1	S2	S3		

Schruppen
Roughing



Schlichten
Finishing

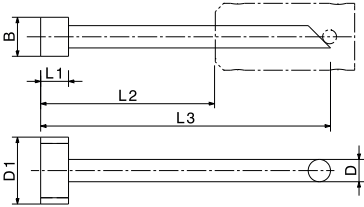


D	Ø min.	L1	L2		Steigung Pitch P	E	F	B	C	L3	Unbeschichtet Uncoated Art. N°
			HTH	MTH							

THT R

4.00	1.20	3.50	11.00	17.20	0.20-0.35	0.02	0.30	1.10	0.80	39.00	450423
4.00	1.60	4.00	11.00	17.20	0.25-0.40	0.03	0.35	1.40	0.80	39.00	450424
4.00	2.50	6.00	11.00	17.20	0.35-0.50	0.04	0.44	2.25	1.35	39.00	450425
4.00	2.50	9.00	16.00	22.20	0.35-0.50	0.04	0.44	2.25	1.35	44.00	450426
4.00	3.20	8.00	16.00	22.20	0.50-0.70	0.05	0.62	2.85	1.50	44.00	450427
4.00	3.20	12.00	16.00	22.20	0.50-0.70	0.05	0.62	2.85	1.50	44.00	450428
4.00	4.00	8.00	16.00	22.20	0.50-0.70	0.05	0.62	3.70	2.10	44.00	450429
4.00	4.00	12.00	16.00	22.20	0.50-0.70	0.05	0.62	3.70	2.10	44.00	450430
6.00	4.20	10.00	21.00	27.20	0.50-0.80	0.06	0.70	3.90	2.40	49.00	450431
6.00	4.20	15.00	21.00	27.20	0.50-0.80	0.06	0.70	3.90	2.40	49.00	450432
6.00	5.00	12.00	21.00	27.20	0.75-1.00	0.09	0.89	4.50	2.20	49.00	450433
6.00	5.00	18.00	21.00	27.20	0.75-1.00	0.09	0.89	4.50	2.20	49.00	450434

Weitere Ausführungen auf Anfrage
Other executions on request



D	D1	B	L1	L2		L3	Unbeschichtet <i>Uncoated</i> Art. N°
				HTH	MTH		
ADG							
4.00	20.00	10.00	5.00	16.00	22.20	44.00	450435
6.00	20.00	10.00	5.00	16.00	22.20	44.00	453866

BURINS INTERIEURS

Ersatzteile und Zubehör
Spare parts and accessories

Bezeichnung Designation			
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HTH

HTH16-*	DYK3	450330	SPK8	450326
HTH19.05-40/63	DYK4	450331	SPK12	450327
HTH19.05-110	DYK3	450330	SPK12	450327
HTH20-40/75	DYK4	450331	SPK12	450327
HTH20-110	DYK3	450330	SPK12	450327
HTH22-*	DYK4	450331	SPK14	450328
HTH25-*	DYK4	450331	SPK16	450329
HTH25.4-*	DYK4	450331	SPK16	450329
HTH32-110	DYK4	450331	SPK16	450329

Bezeichnung Designation	
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MTH

MTH*	M3.0 x 3.0	450332
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