i - DREAM DRILLS

YB1A SERIES
YB2C SERIES

i-DREAM DRILL INSERTS & HOLDERS

i-DREAM DRILL EINSÄTZE UND HALTER
PLAQUETTES ET PORTE-PLAQUETTE I-DREAM DRILL - USAGE GÉNÉRAL / INOX
INSERTI & PORTAINSERTI i-DREAM DRILL

- Features of *i*-*Dream Drill* Inserts-
Merkmale des i-Dream Drill Einsätze

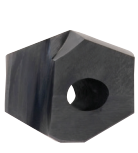
▶ Secure and accurate seating resulting in accurate repeatability and concentricity.
Der sichere und genaue Sitz der Platte garantiert genaue Wiederholbarkeit beim Einsatz und beim Rundlauf.

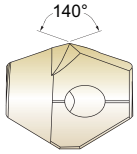
i-Dream Drill ***General*** */ i-Dream Drill* ***allgemeinen***
▶ For most steels materials / In den meisten Stahlsorten

i-Dream Drill ***INOX*** */ i-Dream Drill* ***INOX***
▶ For tough, ductile materials and stainless steels
Für zähe, verformbare Werkstoffe und rostfreie Stähle.
▶ Light, sharp cutting edge / Scharfe Schneidkante
▶ Soft cutting action / Weicher Schnitt
▶ Minimize cutting forces / Minimaler Schneidendruck
▶ Reduce built-up edge / Reduzierte Gratbildung

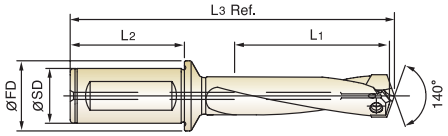
- Features of *i*-*Dream Drill* Holders-
- Merkmale des i-Dresm Drill Halters-

▶ Special Alloy Steels maintain its hardness and toughness under high temperatures.
Speziell legierter Stahl, der seine Härte und Zähigkeit auch bei hohen Temperaturen behält.
▶ Innovative surface treatment improves wear resistance and reduces corrosion.
Innovative Oberflächenbehandlung, die die Verschleissfestigkeit erhöht und die Korrosion vermindert.
▶ High Performance flute design allows maximum chip evacuation and minimum interference.
Optimierte Nutenform für maximale Spanabfuhr.









CARBIDE | ISO 9766 | h7 | 140° | TiAlN | TiCN

p.A54, A55

Recommended ToolHolder
Flat Shank
INDEXABLE DRILL HOLDER
ER COLLET CHUCK

Unit : mm

Series Range (mm)	Insert EDP No. General (TiAlN)	Insert EDP No. INOX (TiCN)	Insert O.D. h7 dec.	Insert O.D. h7 frac.	Insert O.D. h7 mm
B Ø14.00 to Ø15.99	YB1A1400	YB2C1400	.5512	-	14.00
	YB1A1410	YB2C1410	.5551	-	14.10
	YB1A1420	YB2C1420	.5591	-	14.20
	YB1A1429	YB2C1429	.5625	9/16	14.29
	YB1A1430	YB2C1430	.5630	-	14.30
	YB1A1440	YB2C1440	.5669	-	14.40
	YB1A1450	YB2C1450	.5709	-	14.50
	YB1A1460	YB2C1460	.5748	-	14.60
	YB1A1468	YB2C1468	.5781	37/64	14.68
	YB1A1480	YB2C1480	.5827	-	14.80
	YB1A1500	YB2C1500	.5906	-	15.00
	YB1A1508	YB2C1508	.5938	19/32	15.08
	YB1A1510	YB2C1510	.5945	-	15.10
	YB1A1520	YB2C1520	.5984	-	15.20
	YB1A1530	YB2C1530	.6024	-	15.30
	YB1A1548	YB2C1548	.6094	39/64	15.48
	YB1A1550	YB2C1550	.6102	-	15.50
	YB1A1560	YB2C1560	.6142	-	15.60
	YB1A1570	YB2C1570	.6181	-	15.70
	YB1A1580	YB2C1580	.6220	-	15.80
	YB1A1587	YB2C1587	.6250	5/8	15.87

Holder EDP No.	Shank Dia. SD	Shank Length L2	Flange Dia. FD	Drilling Depth	L1	Overall Length L3 Ref.	Screw No.
ZH14003020	20	50	25	3D	42	118.9	TX1415T08
ZH14005020				5D	70	146.9	
ZH14007020				7D	98	174.9	
ZH14503020	20	50	25	3D	43.5	120.9	
ZH14505020				5D	72.5	149.9	
ZH14507020				7D	101.5	178.9	
ZH15003020	20	50	25	3D	45	122.9	TX1516T08
ZH15005020				5D	75	152.9	
ZH15007020				7D	105	182.9	
ZH15503020	20	50	25	3D	46.5	123.9	
ZH15505020				5D	77.5	154.9	
ZH15507020				7D	108.5	185.9	

▶ Other diameters of insert and shank types of holder are available upon request.

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
YB1A	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎				◎	◎	◎	◎	◎	◎
YB2C	○	○	○	○		○	○			○		◎	◎	◎						

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
YB1A																					
YB2C	○	○	○	○	○	○	○	○													