

# FBD 2 Flute Flat Bottom Drills for Steel and difficult alloys



**Characteristics**

Corner Radius 2 Flute

**Applications**

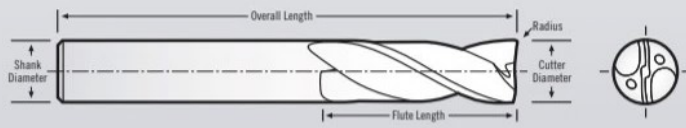
Intersecting Holes Shoulder Drilling Angled Holes Guide Holes

**Materials**

Cast Iron Steel Stainless Steel SUPER Alloys

**Coatings**

Aluminum Titan. Nitride



**FBD Series Tolerances**  
 Cutting Dia. = +0.000/-0.001"  
 Shank Dia. = -0.0001/-0.0002"  
 Flute Length = +0.060/-0.000"  
 OAL = ±0.060"



**2 NEW!**

**180° Tip**



## FBD-201 2 Flute 2x Diameter Flat Bottom Drills

Cutting Diameter	Shank Diameter	Flute Length	Max Hole depth	Corner Radius	Overall Length	Tool Number AITIN Coated	Tool Number Thru Coolant AITIN Coated
1/8"	1/8"	3/8"	1/4"	0.005	1-1/2"	FBD-201-04-TP-A	FBD-201-04-TC-TP-A
3/16"	3/16"	9/16"	3/8"	0.01	2-1/2"	FBD-201-06-TP-A	FBD-201-06-TC-TP-A
1/4"	1/4"	3/4"	1/2"	0.01	2-1/2"	FBD-201-08-TP-A	FBD-201-08-TC-TP-A
5/16"	5/16"	15/16"	5/8"	0.02	2-1/2"	FBD-201-10-TP-A	FBD-201-10-TC-TP-A
3/8"	3/8"	1-1/8"	3/4"	0.02	3"	FBD-201-12-TP-A	FBD-201-12-TC-TP-A
1/2"	1/2"	1-1/2"	1"	0.02	3-1/2"	FBD-201-16-TP-A	FBD-201-16-TC-TP-A

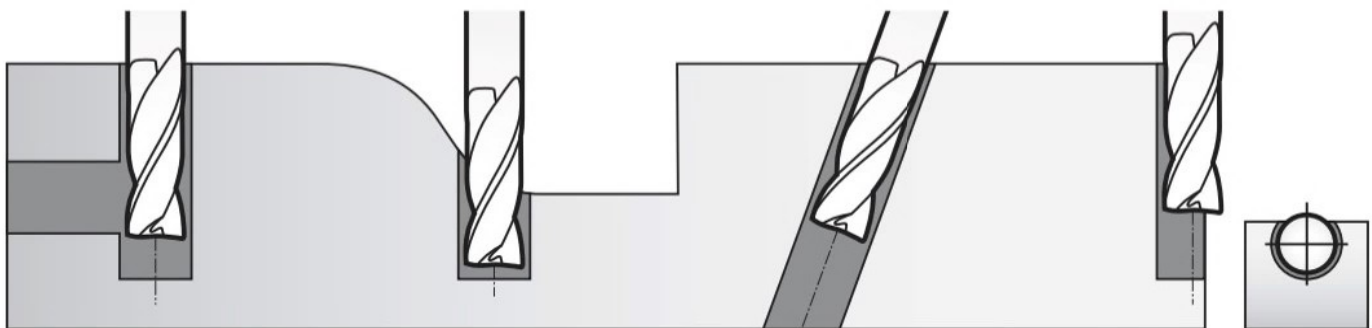


**2 NEW!**



## FBD-202 2 Flute 5x Diameter Flat Bottom Drills

Cutting Diameter	Shank Diameter	Flute Length	Max Hole depth	Corner Radius	Overall Length	AITIN Coated	AITIN Thru Coolant
1/8"	1/8"	3/4"	5/8"	0.005	2"	FBD-202-04-TP-A	FBD-202-04-TC-TP-A
3/16"	3/16"	1-1/8"	15/16"	0.01	2-1/2"	FBD-202-06-TP-A	FBD-202-06-TC-TP-A
1/4"	1/4"	1-1/2"	1-1/4"	0.01	3"	FBD-202-08-TP-A	FBD-202-08-TC-TP-A
5/16"	5/16"	1-7/8"	1-9/16"	0.02	3-1/2"	FBD-202-10-TP-A	FBD-202-10-TC-TP-A
3/8"	3/8"	2-1/4"	1-7/8"	0.02	4"	FBD-202-12-TP-A	FBD-202-12-TC-TP-A
1/2"	1/2"	3"	2-1/2"	0.02	5"	FBD-202-16-TP-A	FBD-202-16-TC-TP-A



Burr-Free Intersecting Holes      Shoulder Drilling      Drilling Angled Holes      Creating a Guide Hole