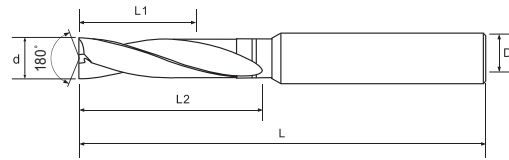


## 2xD Flat Drill 2FD 平頭鑽



切削條件表  
**P180**  
Cutting Condition



MODE 型號		Dimension 規格				
Coating 塗層		Diameter	Effective Drill Depth	Flute Length	Shank Diameter	Full Length
nACRo	ZrN-A	d 刃徑	L1 有效深度	L2 溝長	D 直徑	L 全長
2FD0302 nACRo	2FD0302 ZrN-A	3.0	10.5	13.5	6	50
2FD0312 nACRo	2FD0312 ZrN-A	3.1	10.9	14.0	6	50
2FD0322 nACRo	2FD0322 ZrN-A	3.2	11.2	14.4	6	50
2FD0332 nACRo	2FD0332 ZrN-A	3.3	11.6	14.9	6	50
2FD0342 nACRo	2FD0342 ZrN-A	3.4	11.9	15.3	6	50
2FD0352 nACRo	2FD0352 ZrN-A	3.5	12.3	15.8	6	50
2FD0362 nACRo	2FD0362 ZrN-A	3.6	12.6	16.2	6	50
2FD0372 nACRo	2FD0372 ZrN-A	3.7	13.0	16.7	6	50
2FD0382 nACRo	2FD0382 ZrN-A	3.8	13.3	17.1	6	50
2FD0392 nACRo	2FD0392 ZrN-A	3.9	13.7	17.6	6	50
2FD0402 nACRo	2FD0402 ZrN-A	4.0	14.0	18.0	6	50
2FD0412 nACRo	2FD0412 ZrN-A	4.1	14.4	18.5	6	55
2FD0422 nACRo	2FD0422 ZrN-A	4.2	14.7	18.9	6	55
2FD0432 nACRo	2FD0432 ZrN-A	4.3	15.1	19.4	6	55
2FD0442 nACRo	2FD0442 ZrN-A	4.4	15.4	19.8	6	55
2FD0452 nACRo	2FD0452 ZrN-A	4.5	15.8	20.3	6	55
2FD0462 nACRo	2FD0462 ZrN-A	4.6	16.1	20.7	6	55
2FD0472 nACRo	2FD0472 ZrN-A	4.7	16.5	21.2	6	55
2FD0482 nACRo	2FD0482 ZrN-A	4.8	16.8	21.6	6	55
2FD0492 nACRo	2FD0492 ZrN-A	4.9	17.2	22.1	6	55
2FD0502 nACRo	2FD0502 ZrN-A	5.0	17.5	22.5	6	55
2FD0512 nACRo	2FD0512 ZrN-A	5.1	17.9	23.0	6	60
2FD0522 nACRo	2FD0522 ZrN-A	5.2	18.2	23.4	6	60
2FD0532 nACRo	2FD0532 ZrN-A	5.3	18.6	23.9	6	60
2FD0542 nACRo	2FD0542 ZrN-A	5.4	18.9	24.3	6	60

Application 適用材質：

★ Perfect 最推薦    ◎ Excellent 適合    ○ Good 佳

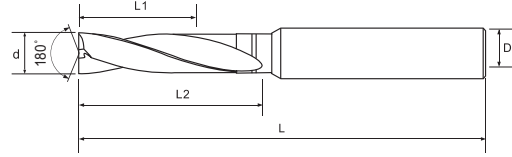
Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Cast iron 鑄鐵	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC							
nACRo	◎	○					○	○					
ZrN-A	○						◎	○	○	○	○		

# Flat Drill

## 2xD Flat Drill 2FD 平頭鑽



切削條件表 **P180**  
Cutting Condition



MODE 型號		Dimension 規格				
Coating 塗層		Diameter	Effective Drill Depth	Flute Length	Shank Diameter	Full Length
nACRo	ZrN-A	d 刃徑	L1 有效深度	L2 溝長	D 直徑	L 全長
2FD0552 nACRo	2FD0552 ZrN-A	5.5	19.3	24.8	6	60
2FD0562 nACRo	2FD0562 ZrN-A	5.6	19.6	25.2	6	60
2FD0572 nACRo	2FD0572 ZrN-A	5.7	20.0	25.7	6	60
2FD0582 nACRo	2FD0582 ZrN-A	5.8	20.3	26.1	6	60
2FD0592 nACRo	2FD0592 ZrN-A	5.9	20.7	26.6	6	60
2FD0602 nACRo	2FD0602 ZrN-A	6.0	21.0	27.0	6	60
2FD0612 nACRo	2FD0612 ZrN-A	6.1	21.4	27.5	8	70
2FD0622 nACRo	2FD0622 ZrN-A	6.2	21.7	27.9	8	70
2FD0632 nACRo	2FD0632 ZrN-A	6.3	22.1	28.4	8	70
2FD0642 nACRo	2FD0642 ZrN-A	6.4	22.4	28.8	8	70
2FD0652 nACRo	2FD0652 ZrN-A	6.5	22.8	29.3	8	70
2FD0662 nACRo	2FD0662 ZrN-A	6.6	23.1	29.7	8	70
2FD0672 nACRo	2FD0672 ZrN-A	6.7	23.5	30.2	8	70
2FD0682 nACRo	2FD0682 ZrN-A	6.8	23.8	30.6	8	70
2FD0692 nACRo	2FD0692 ZrN-A	6.9	24.2	31.1	8	70
2FD0702 nACRo	2FD0702 ZrN-A	7.0	24.5	31.5	8	70
2FD0712 nACRo	2FD0712 ZrN-A	7.1	24.9	32.0	8	75
2FD0722 nACRo	2FD0722 ZrN-A	7.2	25.2	32.4	8	75
2FD0732 nACRo	2FD0732 ZrN-A	7.3	25.6	32.9	8	75
2FD0742 nACRo	2FD0742 ZrN-A	7.4	25.9	33.3	8	75
2FD0752 nACRo	2FD0752 ZrN-A	7.5	26.3	33.8	8	75
2FD0762 nACRo	2FD0762 ZrN-A	7.6	26.6	34.2	8	75
2FD0772 nACRo	2FD0772 ZrN-A	7.7	27.0	34.7	8	75
2FD0782 nACRo	2FD0782 ZrN-A	7.8	27.3	35.1	8	75
2FD0792 nACRo	2FD0792 ZrN-A	7.9	27.7	35.6	8	75

Application 適用材質：

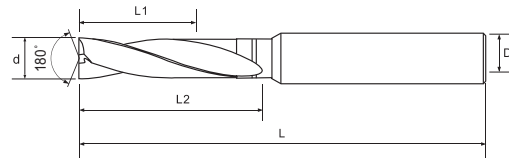
★ Perfect 最推薦    ◎ Excellent 適合    ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Cast iron 鑄鐵	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC							
nACRo	◎	○					○	○					
ZrN-A	○						◎	○	○	○	○		

## 2xD Flat Drill 2FD 平頭鑽



切削條件表  
**P180**  
Cutting Condition



MODE 型號		Dimension 規格				
Coating 塗層		Diameter	Effective Drill Depth	Flute Length	Shank Diameter	Full Length
nACRo	ZrN-A	d 刃徑	L1 有效深度	L2 溝長	D 直徑	L 全長
2FD0802 nACRo	2FD0802 ZrN-A	8.0	28.0	36.0	8	75
2FD0812 nACRo	2FD0812 ZrN-A	8.1	28.4	36.5	10	85
2FD0822 nACRo	2FD0822 ZrN-A	8.2	28.7	36.9	10	85
2FD0832 nACRo	2FD0832 ZrN-A	8.3	29.1	37.4	10	85
2FD0842 nACRo	2FD0842 ZrN-A	8.4	29.4	37.8	10	85
2FD0852 nACRo	2FD0852 ZrN-A	8.5	29.8	38.3	10	85
2FD0862 nACRo	2FD0862 ZrN-A	8.6	30.1	38.7	10	85
2FD0872 nACRo	2FD0872 ZrN-A	8.7	30.5	39.2	10	85
2FD0882 nACRo	2FD0882 ZrN-A	8.8	30.8	39.6	10	85
2FD0892 nACRo	2FD0892 ZrN-A	8.9	31.2	40.1	10	85
2FD0902 nACRo	2FD0902 ZrN-A	9.0	31.5	40.5	10	85
2FD0912 nACRo	2FD0912 ZrN-A	9.1	31.9	41.0	10	90
2FD0922 nACRo	2FD0922 ZrN-A	9.2	32.2	41.4	10	90
2FD0932 nACRo	2FD0932 ZrN-A	9.3	32.6	41.9	10	90
2FD0942 nACRo	2FD0942 ZrN-A	9.4	32.9	42.3	10	90
2FD0952 nACRo	2FD0952 ZrN-A	9.5	33.3	42.8	10	90
2FD0962 nACRo	2FD0962 ZrN-A	9.6	33.6	43.2	10	90
2FD0972 nACRo	2FD0972 ZrN-A	9.7	34.0	43.7	10	90
2FD0982 nACRo	2FD0982 ZrN-A	9.8	34.3	44.1	10	90
2FD0992 nACRo	2FD0992 ZrN-A	9.9	34.7	44.6	10	90
2FD1002 nACRo	2FD1002 ZrN-A	10.0	35.0	45.0	10	90
2FD1012 nACRo	2FD1012 ZrN-A	10.1	35.4	45.5	12	100
2FD1022 nACRo	2FD1022 ZrN-A	10.2	35.7	45.9	12	95
2FD1032 nACRo	2FD1032 ZrN-A	10.3	36.1	46.4	12	95
2FD1042 nACRo	2FD1042 ZrN-A	10.4	36.4	46.8	12	95

Application 適用材質：

★ Perfect 最推薦    ◎ Excellent 適合    ○ Good 佳

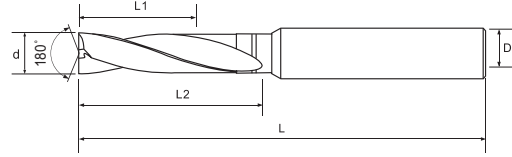
Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Cast iron 鑄鐵	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金	Titanium alloy 鈦合金	Nickel/Inconel 合金 鎳基合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC							
nACRo	◎	○					○	○					
ZrN-A	○						◎	○	○	○	○		

# Flat Drill

## 2xD Flat Drill 2FD 平頭鑽



切削條件表 **P180**  
Cutting Condition



MODE 型號		Dimension 規格				
Coating 塗層		Diameter	Effective Drill Depth	Flute Length	Shank Diameter	Full Length
nACRo	ZrN-A	d 刃徑	L1 有效深度	L2 溝長	D 直徑	L 全長
2FD1052 nACRo	2FD1052 ZrN-A	10.5	36.8	47.3	12	95
2FD1062 nACRo	2FD1062 ZrN-A	10.6	37.1	47.7	12	95
2FD1072 nACRo	2FD1072 ZrN-A	10.7	37.5	48.2	12	95
2FD1082 nACRo	2FD1082 ZrN-A	10.8	37.8	48.6	12	95
2FD1092 nACRo	2FD1092 ZrN-A	10.9	38.2	49.1	12	95
2FD1102 nACRo	2FD1102 ZrN-A	11.0	38.5	49.5	12	95
2FD1112 nACRo	2FD1112 ZrN-A	11.1	38.9	50.0	12	105
2FD1122 nACRo	2FD1122 ZrN-A	11.2	39.2	50.4	12	105
2FD1132 nACRo	2FD1132 ZrN-A	11.3	39.6	50.9	12	105
2FD1142 nACRo	2FD1142 ZrN-A	11.4	39.9	51.3	12	105
2FD1152 nACRo	2FD1152 ZrN-A	11.5	40.3	51.8	12	105
2FD1162 nACRo	2FD1162 ZrN-A	11.6	40.6	52.2	12	105
2FD1172 nACRo	2FD1172 ZrN-A	11.7	41.0	52.7	12	105
2FD1182 nACRo	2FD1182 ZrN-A	11.8	41.3	53.1	12	105
2FD1192 nACRo	2FD1192 ZrN-A	11.9	41.7	53.6	12	105
2FD1202 nACRo	2FD1202 ZrN-A	12.0	42.0	54.0	12	105
2FD1252 nACRo	2FD1252 ZrN-A	12.5	43.8	56.3	14	120
2FD1302 nACRo	2FD1302 ZrN-A	13.0	45.5	58.5	14	120
2FD1352 nACRo	2FD1352 ZrN-A	13.5	47.3	60.8	14	120
2FD1402 nACRo	2FD1402 ZrN-A	14.0	49.0	63.0	14	120
2FD1452 nACRo	2FD1452 ZrN-A	14.5	50.8	65.3	16	130
2FD1502 nACRo	2FD1502 ZrN-A	15.0	52.5	67.5	16	130
2FD1552 nACRo	2FD1552 ZrN-A	15.5	54.3	69.8	16	130
2FD1602 nACRo	2FD1602 ZrN-A	16.0	56.0	72.0	16	130

Application 適用材質：

★ Perfect 最推薦    ◎ Excellent 適合    ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Cast iron 鑄鐵	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC							
nACRo	◎	○					○	○					
ZrN-A	○						◎	○	○	○	○		