



# SCHUMACHER

PRECISION TOOLS SINCE 1918

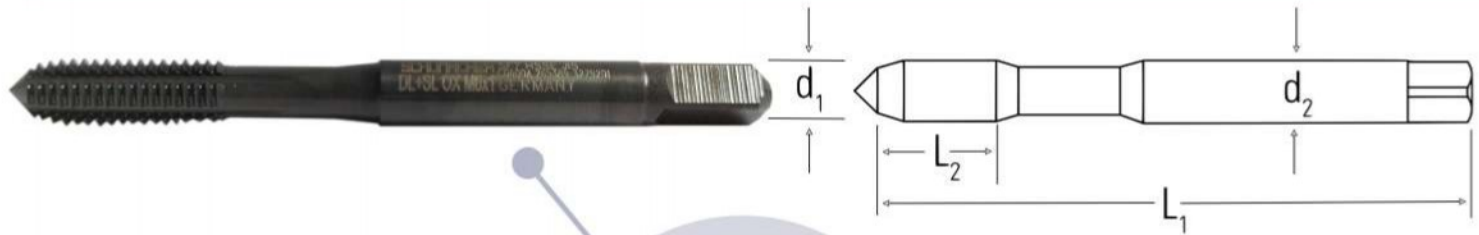
# TAPS



- **Soft steel up to HRC25.**  
Ex: low carbon steel, medium carbon steel, aluminum, copper, cast iron.
- **For stainless steel and materials up to HRC35.**  
Ex: Tool steel, titanium, stainless steel, medium carbon steel alloy.
- **Up to HRC48 hardness.**  
Ex: Tool steel, nickel alloy, titanium, heat-treated stainless steel.
- **Up to HRC42 hardness.**  
Ex: High-strength steel, titanium alloy.
- **Up to HRC32 hardness.**  
Ex: Cast iron, hard plastics.



# German Schumacher Fluteless tap



## Specifications



### Cutting Data



MADE IN GERMANY

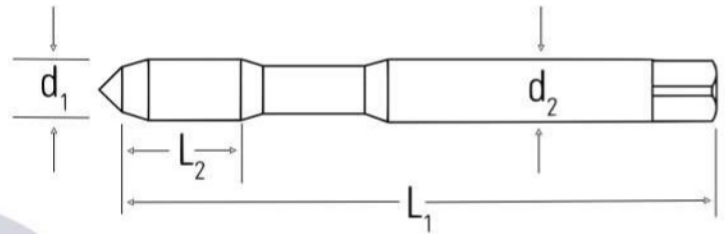
- ▶ JIS specification HSS-E PM
- ▶ Straight oil grooves, suitable for blind holes and through-holes
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Used for steel, non-ferrous metals, and heat-treatable steel
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BOIA0204	M2	0.4	40	9.5	3	2.5	1.6	■	750
BOIA025045	M2.5	0.45	44	9.5	3	2.5	2.05		
BOIA0305	M3	0.5	46	11	4	3.2	2.5	■	460
BOIA0407	M4	0.7	52	13	5	4	3.3	■	460
BOIA0508	M5	0.8	60	16	5.5	4.5	4.2	■	500
BOIA0610	M6	1	62	19	6	4.5	5	■	500
BOIA08125	M8	1.25	70	22	6.2	5	6.8		
BOIA1015	M10	1.5	75	24	7	5.5	8.5		
BOIA12175	M12	1.75	82	29	8.5	6.5	10.2		
BOIA1420	M14	2	88	30	10.5	8	12		
BOIA1620	M16	2	95	32	12.5	10	14		
BOIA1825	M18	2.5	100	37	14	11	15.5		
BOIA2025	M20	2.5	105	37	15	12	17.5		

# German Schumacher Spiral Point Tap

# Red Ring



100%

German factory  
directimport

## Specifications

Cutting Data



MADE IN GERMANY

- ▶ JIS specification HSS-E PM
- ▶ Suitable for through-hole, used for soft steel with hardness up to HRC48°
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Tool steel, nickel alloy, titanium, heat-treated stainless steel
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

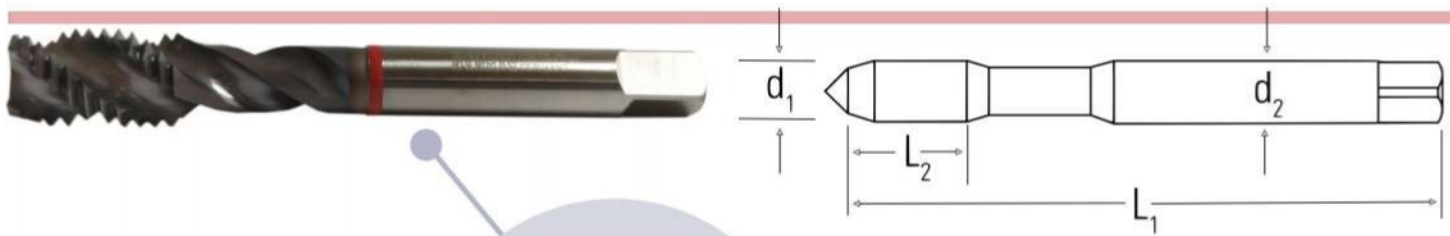
### Inventory products

訂購編號 Order No.	Φ d1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BPIR0204	M2	0.4	40	9.5	3	2.5	1.6	■	1120
BPIR025045	M2.5	0.45	44	9.5	3	2.5	2.05	■	940
BPIR0305	M3	0.5	46	11	4	3.2	2.5	■	780
BPIR0407	M4	0.7	52	13	5	4	3.3	■	780
BPIR0508	M5	0.8	60	16	5.5	4.5	4.2	■	780
BPIR0610	M6	1	62	19	6	4.5	5	■	820
BPIR08125	M8	1.25	70	22	6.2	5	6.8	■	1060
BPIR1015	M10	1.5	75	24	7	5.5	8.5	■	1500
BPIR12175	M12	1.75	82	29	8.5	6.5	10.2	■	2060
BPIR1420	M14	2	88	30	10.5	8	12		
BPIR1620	M16	2	95	32	12.5	10	14		
BPIR1825	M18	2.5	100	37	14	11	15.5		
BPIR2025	M20	2.5	105	37	15	12	17.5		

Tap series

# German Schumacher Sprial Flute Tap

# Red Ring



**Specifications**



Cutting Data



MADE IN GERMANY

Tap series

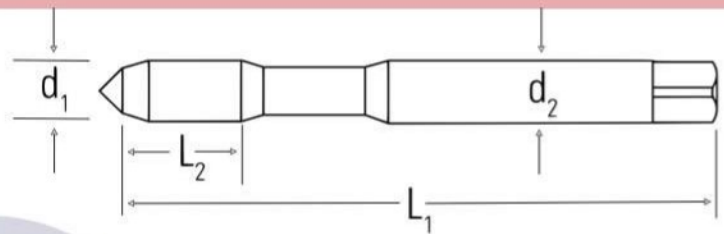
- ▶ JIS specification HSS-E PM
- ▶ TiCN coating, right-hand helix, helix angle of 45°
- ▶ Suitable for deep blind holes  $\leq 2.5 \times D$ , used for material hardness up to HRC48°
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Tool steel, nickel alloy, titanium, heat-treated stainless steel
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BSIR0204	M2	0.4	40	8	3	2.5	1.6	■	1120
BSIR025045	M2.5	0.45	44	9	3	2.5	2.05	■	940
BSIR0305	M3	0.5	46	6	4	3.2	2.5	■	780
BSIR0407	M4	0.7	52	7	5	4	3.3	■	780
BSIR0508	M5	0.8	60	8	5.5	4.5	4.2	■	780
BSIR0610	M6	1	62	10	6	4.5	5	■	820
BSIR08125	M8	1.25	70	13	6.2	5	6.8	■	1060
BSIR1015	M10	1.5	75	15	7	5.5	8.5	■	1500
BSIR12175	M12	1.75	82	18	8.5	6.5	10.2	■	2060
BSIR1420	M14	2	88	20	10.5	8	12		
BSIR1620	M16	2	95	20	12.5	10	14		
BSIR1825	M18	2.5	100	25	14	11	15.5		
BSIR2025	M20	2.5	105	25	15	12	17.5		

# German Schumacher Spiral Point Tap

# Blue Ring



Tap series

## Specifications



### Cutting Data



MADE IN GERMANY

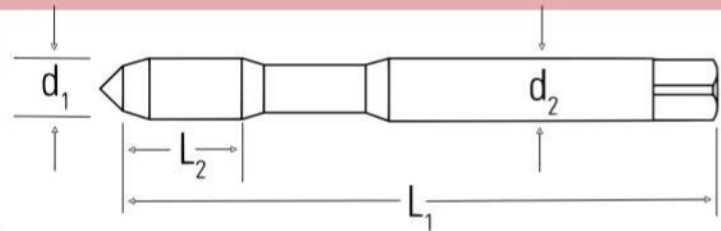
- ▶ JIS specification HSS-E PM
- ▶ Suitable for through-hole, used for stainless steel and other materials with hardness up to HRC35
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Tool steel, titanium, stainless steel, medium carbon steel alloy
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BPIU0204	M2	0.4	40	9.5	3	2.5	1.6	■	760
BPIU025045	M2.5	0.45	44	9.5	3	2.5	2.05	■	640
BPIU0305	M3	0.5	46	11	4	3.2	2.5	■	400
BPIU0407	M4	0.7	52	13	5	4	3.3	■	400
BPIU0508	M5	0.8	60	16	5.5	4.5	4.2	■	420
BPIU0610	M6	1	62	19	6	4.5	5	■	420
BPIU08125	M8	1.25	70	22	6.2	5	6.8	■	540
BPIU1015	M10	1.5	75	24	7	5.5	8.5	■	840
BPIU12175	M12	1.75	82	29	8.5	6.5	10.2	■	1160
BPIU1420	M14	2	88	30	10.5	8	12		
BPIU1620	M16	2	95	32	12.5	10	14		
BPIU1825	M18	2.5	100	37	14	11	15.5		
BPIU2025	M20	2.5	105	37	15	12	17.5		

# German Schumacher Sprial Flute Tap

# Blue Ring



## Specifications



### Cutting Data



MADE IN GERMANY

Tap series

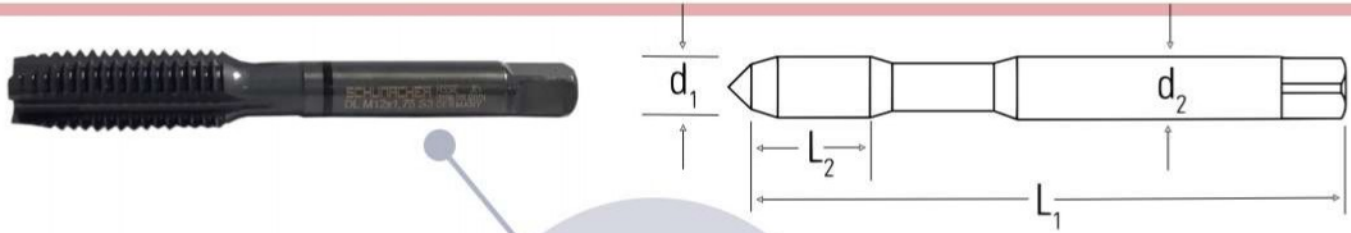
- ▶ JIS specification HSS-E PM
- ▶ Right-hand helix, helix angle of 40°
- ▶ Suitable for blind holes, used for stainless steel and other materials with hardness up to HRC35
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Tool steel, titanium, stainless steel, medium carbon steel alloy
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BSIU0204	M2	0.4	40	7	3	2.5	1.6	■	760
BSIU0204	M2.5	0.45	44	8	3	2.5	2.05	■	640
BSIU0305	M3	0.5	46	9	4	3.2	2.5	■	400
BSIU0407	M4	0.7	52	11	5	4	3.3	■	400
BSIU0508	M5	0.8	60	13	5.5	4.5	4.2	■	420
BSIU0610	M6	1	62	15	6	4.5	5	■	420
BSIU08125	M8	1.25	70	22	6.2	5	6.8	■	540
BSIU1015	M10	1.5	75	24	7	5.5	8.5	■	840
BSIU12175	M12	1.75	82	29	8.5	6.5	10.2	■	1160
BSIU1420	M14	2	88	30	10.5	8	12		
BSIU1620	M16	2	95	32	12.5	10	14		
BSIU1825	M18	2.5	100	37	14	11	15.5		
BSIU2025	M20	2.5	105	37	15	12	17.5		

# German Schumacher Spiral Point Tap

# Black Ring



## Specifications



Cutting Data



MADE IN GERMANY

- ▶ JIS specification HSS-E PM
- ▶ Suitable for through-hole, used for soft steel with hardness up to HRC25
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Low carbon steel, medium carbon steel, aluminum, copper, cast iron
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

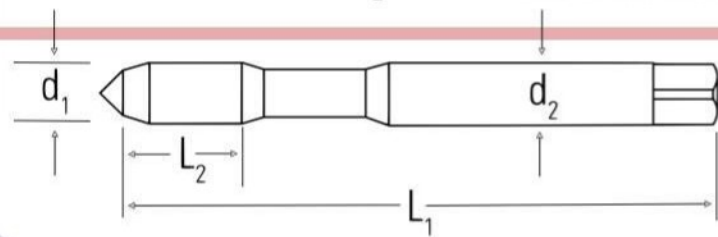
### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BPIA0204	M2	0.4	40	9.5	3	2.5	1.6	■	720
BPIA025045	M2.5	0.45	44	9.5	3	2.5	2.05	■	580
BPIA0305	M3	0.5	46	11	4	3.2	2.5	■	360
BPIA0407	M4	0.7	52	13	5	4	3.3	■	360
BPIA0508	M5	0.8	60	16	5.5	4.5	4.2	■	380
BPIA0610	M6	1	62	19	6	4.5	5	■	380
BPIA08125	M8	1.25	70	22	6.2	5	6.8	■	500
BPIA1015	M10	1.5	75	24	7	5.5	8.5	■	660
BPIA12175	M12	1.75	82	29	8.5	6.5	10.2	■	860
BPIA1420	M14	2	88	30	10.5	8	12		
BPIA1620	M16	2	95	32	12.5	10	14		1520
BPIA1825	M18	2.5	100	37	14	11	15.5		
BPIA2025	M20	2.5	105	37	15	12	17.5		

Tap series

# German Schumacher Sprial Flute Tap

# Black Ring



## Specifications



### Cutting Data



MADE IN GERMANY

Tap series

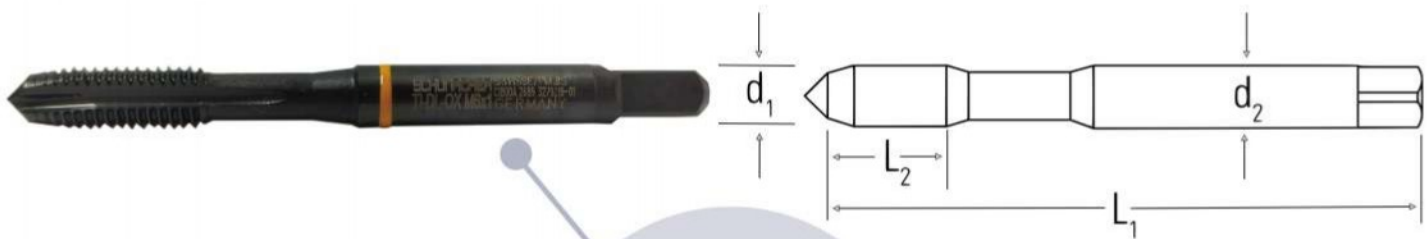
- ▶ JIS specification HSS-E PM
- ▶ Right-hand helix, helix angle of 40°
- ▶ Suitable for blind holes, used for soft steel with hardness up to HRC25
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Low carbon steel, medium carbon steel, aluminum, copper, cast iron
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	⋮	庫存產品 Stock	牌價 Price
BSIA0204	M2	0.4	40	7	3	2.5	1.6	■	720
BSIA02545	M2.5	0.45	44	8	3	2.5	2.05	■	580
BSIA0305	M3	0.5	46	7	4	3.2	2.5	■	360
BSIA0407	M4	0.7	52	8.5	5	4	3.3	■	360
BSIA0508	M5	0.8	60	10	5.5	4.5	4.2	■	380
BSIA0610	M6	1	62	13	6	4.5	5	■	380
BSIA08125	M8	1.25	70	15	6.2	5	6.8	■	500
BSIA1015	M10	1.5	75	18	7	5.5	8.5	■	660
BSIA12175	M12	1.75	82	19	8.5	6.5	10.2	■	860
BSIA1420	M14	2	88	30	10.5	8	12		
BSIA1620	M16	2	95	32	12.5	10	14		
BSIA1825	M18	2.5	100	37	14	11	15.5		
BSIA2025	M20	2.5	105	37	15	12	17.5		

# German Schumacher Spiral Point Tap **Yellow Ring**

Tap series



## Specifications



Cutting Data



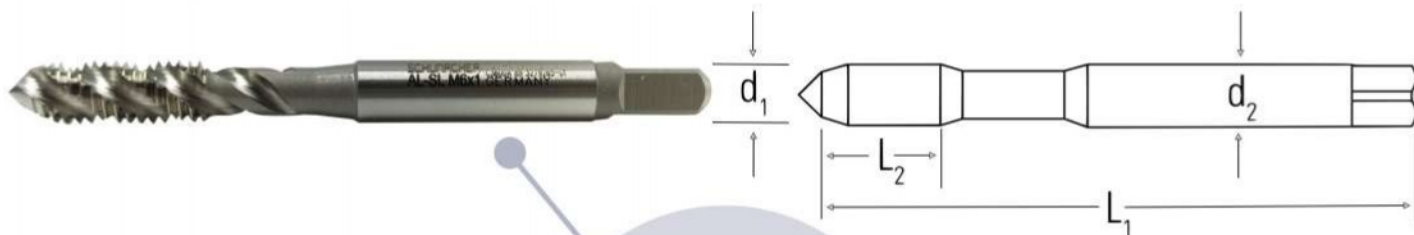
MADE IN GERMANY

- ▶ JIS specification HSS-E PM
- ▶ Suitable for through-hole, used for soft steel with hardness up to HRC42
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: High-strength steel, titanium alloy
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	⋮	庫存產品 Stock	牌價 Price
BPIY0305	M3	0.5	46	11	4	3.2	2.5	■	820
BPIY0407	M4	0.7	52	13	5	4	3.3	■	820
BPIY0508	M5	0.8	60	16	5.5	4.5	4.2	■	900
BPIY0610	M6	1	62	19	6	4.5	5	■	900

# German Schumacher Sprial Flute Tap Aluminum series



Tap series

Specifications



Cutting Data



MADE IN GERMANY

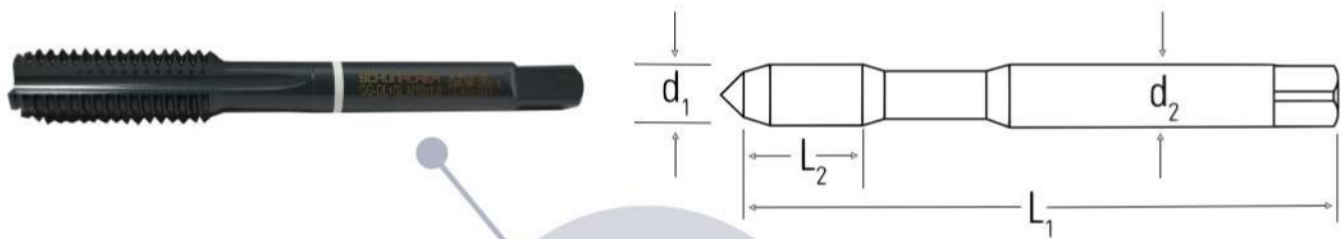
- ▶ JIS specification HSS-E PM
- ▶ Suitable for blind and through-holes, used for soft steel with hardness up to HRC38
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Cast iron, hard plastics
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

## Inventory products

訂購編號 Order No.	Φ d1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BPIW0305	M3	0.5	46	11	4	3.2	2.5	■	760
BPIW0407	M4	0.7	52	13	5	4	3.3	■	760
BPIW0508	M5	0.8	60	16	5.5	4.5	4.2	■	660
BPIW0610	M6	1	62	19	6	4.5	5	■	660
BPIW08125	M8	1.25	70	22	6.2	5	6.8	■	780
BPIW1015	M10	1.5	75	24	7	5.5	8.5	■	1160

# German Schumacher Spiral Point Tap

# White Ring



## Specifications



Cutting Data



MADE IN GERMANY

Tap series

- ▶ JIS specification HSS-E PM
- ▶ Suitable for blind and through-holes, used for soft steel with hardness up to HRC32
- ▶ Suitable machine tools: CNC milling machines, machining centers, drilling and tapping machines, etc.
- ▶ Suitable materials: Cast iron, hard plastics
- ▶ Sharp and durable, smooth chip evacuation, high processing efficiency.

### Inventory products

訂購編號 Order No.	Φd1	Pmm	L1	L2	d2	□	▨	庫存產品 Stock	牌價 Price
BPIW0305	M3	0.5	46	11	4	3.2	2.5	■	760
BPIW0407	M4	0.7	52	13	5	4	3.3	■	760
BPIW0508	M5	0.8	60	16	5.5	4.5	4.2	■	660
BPIW0610	M6	1	62	19	6	4.5	5	■	660
BPIW08125	M8	1.25	70	22	6.2	5	6.8	■	780
BPIW1015	M10	1.5	75	24	7	5.5	8.5	■	1160