

Outside diameter	Thickness
D	T

## DIN

① Spiral Fluted Taps  
(for blind hole)

② Spiral Fluted Taps  
(for through hole)

③ Spiral Pointed Taps  
(for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps  
Simple inspection tools

⑧ Pipe Taps

⑨ Thread Mills  
Premium Thread Mills

⑩ Dies

⑪ Center Drills  
Centering Tools

⑫ Precision Machinery/  
Medical Surgical Instruments

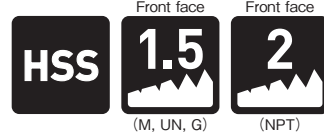
# DIN

## DPO

### Spiral Pointed HSS Round Dies



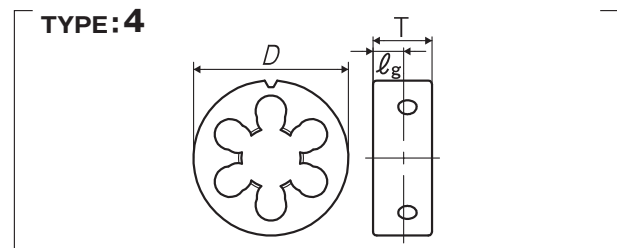
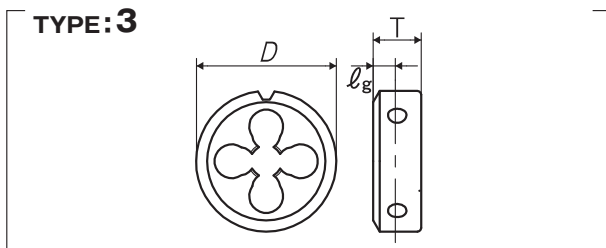
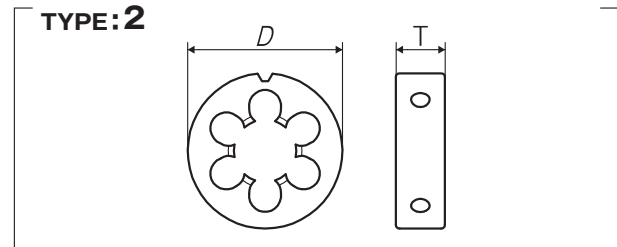
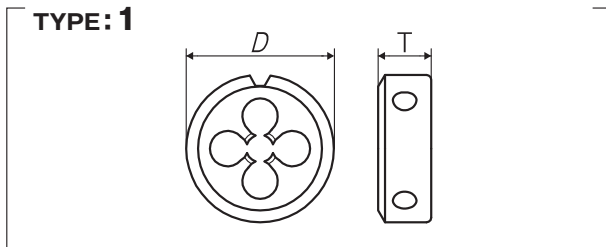
#### Specification



■ Troubles due to chips are reduced by the spiral pointed flutes pushing out the chips ahead of dies.

#### Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼	Medium carbon steels 中炭素鋼	Brass 黄銅	Brass castings 黄銅鑄物	Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鑄物
2.5~5 (m/min)	2.5~5 (m/min)	2.5~5 (m/min)	2.5~5 (m/min)	2.5~5 (m/min)	2.5~5 (m/min)



Segment : 32 (G,NPT=33)

Size	Class	Code	D (mm)	T (mm)	Clearance holes	TYPE
For Metric Threads						
M1 × 0.25	6h	PDD1.0BLNEBC	16	5	3	1
M1.1 × 0.25	6h	PDD1.1BLNEBC	16	5	3	1
M1.2 × 0.25	6h	PDD1.2BLNEBC	16	5	3	1
M1.4 × 0.3	6h	PDD1.4CLNEBC	16	5	3	1
M1.6 × 0.35	6g	PDD1.6DLNEBC	16	5	3	1
M1.7 × 0.35	6g	PDD1.7DLNEBC	16	5	3	1
M1.8 × 0.35	6g	PDD1.8DLNEBC	16	5	3	1
M2 × 0.4	6g	PDD2.0ELNEBC	16	5	3	1
M2 × 0.25	6g	PDD2.0BLNEBC	16	5	3	1
M2.2 × 0.45	6g	PDD2.2FLNEBC	16	5	3	1
M2.3 × 0.4	6g	PDD2.3ELNEBC	16	5	3	1
M2.5 × 0.45	6g	PDD2.5FLNEBC	16	5	3	1
M2.5 × 0.35	6g	PDD2.5DLNEBC	16	5	3	1
M2.6 × 0.45	6g	PDD2.6FLNEBC	16	5	3	1
M3 × 0.5	6g	PDE3.0GLNEBC	20	5	3	1
M3 × 0.35	6g	PDE3.0DLNEBC	20	5	3	1
M3.5 × 0.6	6g	PDE3.5HLNEBC	20	5	3	1

Outside diameter	Thickness
D	T

10

DIN

Size	Class	Code	D (mm)	T (mm)	Clearance holes	TYPE
M4 × 0.7	6g	PDE4.0ILNEBC	20	5	3	1
M4 × 0.5	6g	PDE4.0GLNEBC	20	5	3	1
M5 × 0.8	6g	PDE5.0KLNEBC	20	7	4	1
M5 × 0.5	6g	PDE5.0GLNEBC	20	5	4	1
M6 × 1	6g	PDE6.0MLNEBC	20	7	4	1
M6 × 0.75	6g	PDE6.0JLNEBC	20	7	4	1
M6 × 0.5	6g	PDE6.0GLNEBC	20	5	4	1
M7 × 1	6g	PDG7.0MLNEBC	25	9	4	1
M7 × 0.75	6g	PDG7.0JLNEBC	25	9	4	1
M8 × 1.25	6g	PDG8.0NLNEBC	25	9	4	1
M8 × 1	6g	PDG8.0MLNEBC	25	9	4	1
M8 × 0.75	6g	PDG8.0JLNEBC	25	9	4	1
M8 × 0.5	6g	PDG8.0GLNEBC	25	9	4	1
M9 × 1.25	6g	PDG9.0NLNEBC	25	9	5	1
M9 × 1	6g	PDG9.0MLNEBC	25	9	5	1
M10 × 1.5	6g	PDH010OLNEBC	30	11	4	1
M10 × 1.25	6g	PDH010NLNEBC	30	11	4	1
M10 × 1	6g	PDH010MLNEBC	30	11	4	1
M10 × 0.75	6g	PDH010JLNEBC	30	11	4	1
M10 × 0.5	6g	PDH010GLNEBC	30	11	4	1
M11 × 1.5	6g	PDH011OLNEBC	30	11	5	1
M12 × 1.75	6g	PDJ012PLNEBC	38	14	4	1
M12 × 1.5	6g	PDJ012OLNEBC	38	10	4	1
M12 × 1.25	6g	PDJ012NLNEBC	38	10	4	1
M12 × 1	6g	PDJ012MLNEBC	38	10	4	1
M12 × 0.75	6g	PDJ012JLNEBC	38	10	4	1
M12 × 0.5	6g	PDJ012GLNEBC	38	10	4	1
M14 × 2	6g	PDJ014QLNEBC	38	14	5	1
M14 × 1.5	6g	PDJ014OLNEBC	38	10	5	1
M14 × 1.25	6g	PDJ014NLNEBC	38	10	5	1
M14 × 1	6g	PDJ014MLNEBC	38	10	5	1
M15 × 1.5	6g	PDJ015OLNEBC	38	10	5	1
M16 × 2	6g	PDL016QLNEBC	45	18	5	1
M16 × 1.5	6g	PDL016OLNEBC	45	14	5	1
M16 × 1	6g	PDL016MLNEBC	45	14	5	1
M18 × 2.5	6g	PDL018RLNEBC	45	18	5	1
M18 × 2	6g	PDL018QLNEBC	45	14	5	1
M18 × 1.5	6g	PDL018OLNEBC	45	14	5	1
M18 × 1	6g	PDL018MLNEBC	45	14	5	1
M20 × 2.5	6g	PDL020RLNEBC	45	18	5	1
M20 × 2	6g	PDL020QLNEBC	45	14	5	1
M20 × 1.5	6g	PDL020OLNEBC	45	14	5	1
M20 × 1	6g	PDL020MLNEBC	45	14	5	1
M22 × 2.5	6g	PDP022RLNEBC	55	22	5	1
M22 × 2	6g	PDP022QLNEBC	55	16	5	1
M22 × 1.5	6g	PDP022OLNEBC	55	16	5	1
M22 × 1	6g	PDP022MLNEBC	55	16	5	1
M24 × 3	6g	PDP024SLNEBC	55	22	5	1
M24 × 2	6g	PDP024QLNEBC	55	16	5	1
M24 × 1.5	6g	PDP024OLNEBC	55	16	5	1

Spiral Fluted Taps  
(for blind hole)

①

Spiral Fluted Taps  
(for through hole)

②

Spiral Pointed Taps  
(for through hole)

③

Hand Taps

④

Cemented  
Carbide Taps

⑤

Roll Taps

⑥

Special Thread Taps  
Simple inspection tools

⑦

Pipe Taps

⑧

Thread Mills  
Premium Thread Mills

⑨

Dies

⑩

Center Drills  
Centering Tools

⑪

Precision Machinery/  
Metal Surgical Instruments

⑫

## DIN

### DPO Spiral Pointed HSS Round Dies

Size	Class	Code	D (mm)	T (mm)	Clearance holes	TYPE
<b>M24 × 1</b>	6g	PDP024MLNEBC	55	16	5	1
<b>M26 × 1.5</b>	6g	PDP026OLNEBC	55	16	6	1
<b>M27 × 3</b>	6g	PDS027SLNEBC	65	25	6	2
<b>M27 × 2</b>	6g	PDS027QLNEBC	65	18	6	2
<b>M27 × 1.5</b>	6g	PDS027OLNEBC	65	18	6	2
<b>M27 × 1</b>	6g	PDS027MLNEBC	65	18	6	2
<b>M28 × 2</b>	6g	PDS028QLNEBC	65	18	6	2
<b>M28 × 1.5</b>	6g	PDS028OLNEBC	65	18	6	2
<b>M30 × 3.5</b>	6g	PDS030TLNEBC	65	25	6	2
<b>M30 × 1.5</b>	6g	PDS030OLNEBC	65	18	6	2
<b>M33 × 3.5</b>	6g	PDS033TLNEBC	65	25	8	2
<b>M36 × 4</b>	6g	PDS036ULNEBC	65	25	8	2
For Unified Threads						
<b>No.0-80UNF</b>	2A	PDDUN0BGNEBC	16	5	3	1
<b>No.1-64UNC</b>	2A	PDDUN1DGNEBC	16	5	3	1
<b>No.1-72UNF</b>	2A	PDDUN1CGNEBC	16	5	3	1
<b>No.2-56UNC</b>	2A	PDDUN2EGNEBC	16	5	3	1
<b>No.2-64UNF</b>	2A	PDDUN2DGNEBC	16	5	3	1
<b>No.3-48UNC</b>	2A	PDDUN3FGNEBC	16	5	3	1
<b>No.3-56UNF</b>	2A	PDDUN3EGNEBC	16	5	3	1
<b>No.4-40UNC</b>	2A	PDEUN4HGNEBC	20	5	3	1
<b>No.4-48UNF</b>	2A	PDEUN4FGNEBC	20	5	3	1
<b>No.5-40UNC</b>	2A	PDEUN5HGNEBC	20	5	3	1
<b>No.5-44UNF</b>	2A	PDEUN5GGNEBC	20	5	3	1
<b>No.6-32UNC</b>	2A	PDEUN6JGNEBC	20	7	3	1
<b>No.6-40UNF</b>	2A	PDEUN6HGNEBC	20	5	3	1
<b>No.8-32UNC</b>	2A	PDEUN8JGNEBC	20	7	3	1
<b>No.8-36UNF</b>	2A	PDEUN8IGNEBC	20	7	3	1
<b>No.10-24UNC</b>	2A	PDEUNAMGNEBC	20	7	4	1
<b>No.10-32UNF</b>	2A	PDEUNAJGNEBC	20	7	4	1
<b>No.12-24UNC</b>	2A	PDEUNCMGNEBC	20	7	4	1
<b>No.12-28UNF</b>	2A	PDEUNCKGNEBC	20	7	4	1
<b>1/4-20UNC</b>	2A	PDGU04NGNEBC	25	9	4	1
<b>1/4-28UNF</b>	2A	PDGU04KGNEBC	25	9	4	1
<b>5/16-18UNC</b>	2A	PDGU05OGNEBC	25	9	4	1
<b>5/16-24UNF</b>	2A	PDGU05MGNEBC	25	9	4	1
<b>3/8-16UNC</b>	2A	PDHU06PGNEBC	30	11	4	1
<b>3/8-24UNF</b>	2A	PDHU06MGNEBC	30	11	4	1
<b>7/16-14UNC</b>	2A	PDHU07QGNEBC	30	11	5	1
<b>7/16-20UNF</b>	2A	PDHU07NGNEBC	30	11	5	1
<b>1/2-13UNC</b>	2A	PDJU08RGNEBC	38	14	4	1
<b>1/2-20UNF</b>	2A	PDJU08NGNEBC	38	10	4	1
<b>9/16-12UNC</b>	2A	PDJU09SGNEBC	38	14	5	1
<b>9/16-18UNF</b>	2A	PDJU09OGNEBC	38	10	5	1
<b>5/8-11UNC</b>	2A	PDLU10UGNEBC	45	18	5	1
<b>5/8-18UNF</b>	2A	PDLU10OGNEBC	45	14	5	1
<b>3/4-10UNC</b>	2A	PDLU12VGNEBC	45	18	5	1
<b>3/4-16UNF</b>	2A	PDLU12PGNEBC	45	14	5	1
<b>7/8-9UNC</b>	2A	PDPU14WGNEBC	55	22	5	1
<b>7/8-14UNF</b>	2A	PDPU14QGNEBC	55	16	5	1

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- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

Outside diameter	Thickness	Position of basic dia.
D	T	lg

10

DIN

## DPO Spiral Pointed HSS Round Dies

Size	Class	Code	D (mm)	T (mm)	Clearance holes	TYPE
1 -8UNC	2A	PDPU16XGNEBC	55	22	5	1
1 -12UNF	2A	PDPU16SGNEBC	55	16	5	1

Size	Code	D (mm)	T (mm)	Clearance holes	TYPE
For PF Threads					
G 1/8-28	PVHG0020NEBC	30	11	4	1
G 1/4-19	PVJG0040NEBC	38	10	5	1
G 3/8-19	PVLG0060NEBC	45	14	5	1
G 1/2-14	PVLG0080NEBC	45	16	5	1
G 5/8-14	PVPG0100NEBC	55	16	5	1
G 3/4-14	PVPG0120NEBC	55	16	6	1
G 7/8-14	PVSG0140NEBC	65	18	6	2
G 1 -11	PVSG0160NEBC	65	18	8	2
G 1 1/4-11	PVUG0200NEBC	75	20	8	2
G 1 1/2-11	PVXG0240NEBC	90	22	8	2

Size	Code	D (mm)	T (mm)	lg (mm)	Clearance holes	TYPE
For NPSM Threads						
1/8-27 NPT	PDJNT020NEBC	38	10	5	4	3
1/4-18 NPT	PDJNT040NEBC	38	15	8	5	3
3/8-18 NPT	PDLNT060NEBC	45	15	8	5	3
1/2-14 NPT	PDLNT080NEBC	45	19	10	6	3
3/4-14 NPT	PDSNT120NEBC	65	20	10	6	4
1 -11 1/2 NPT	PDSNT160NEBC	65	25	12.5	8	4

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Centering Tools

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Precision Machinery/  
Metal Surgical Instruments

⑫

DIN

⑩-44