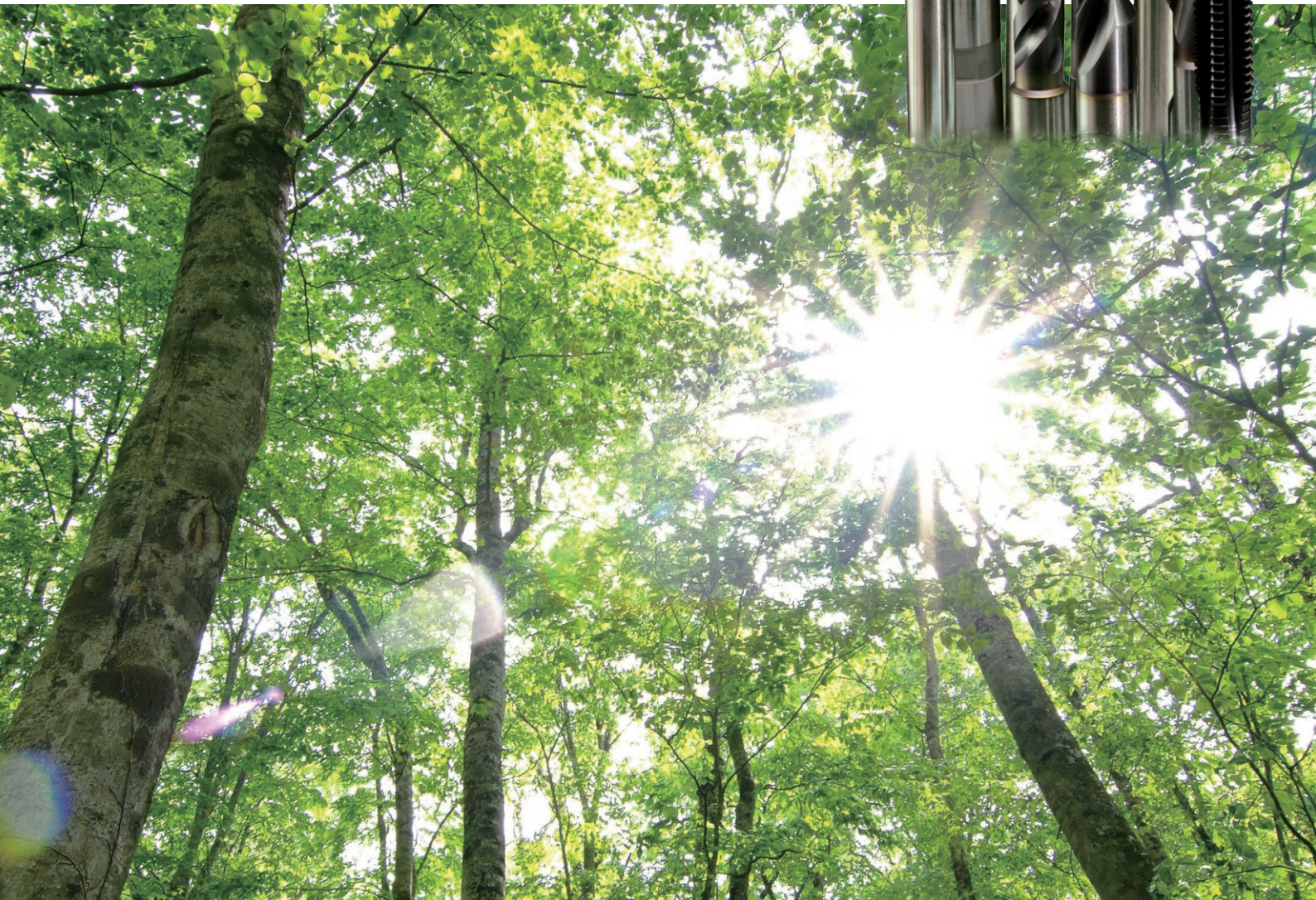


YAMAWA
GENERAL CATALOG (JIS·ANSI·DIN)

2015 - 2016



"Reliable screw threads" is
YAMAWA'S theme.

 Think threads with
YAMAWA

Dies



D	Di-1
D LH	Di-10
D PF	Di-13
D PF LH	Di-14
D NPSM	Di-15
D PT	Di-16
D PT LH	Di-17
D NPT	Di-18
D NPTF	Di-19
MS-RS-D/RS-D	Di-21
N-RSD	Di-23
RD-DH	Di-24
RD-DC	Di-25
RD-DA	Di-27

D

Solid Round Dies

Specification



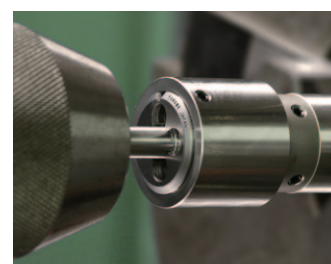
For icon explanation, refer to P.24

Product features

New Solid Round Dies-D are born, with improved accuracy of run-out tolerance.
The Solid Round Dies-D, realize consistent thread cutting by adopting HSS material.

- ① The side with markings on its bevel, is the front face.
This makes it easy to determine the cutting direction.

Solid Round Dies-D Front face



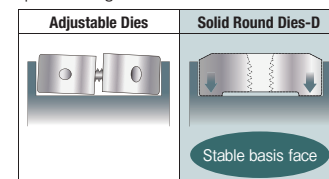
Above is the picture of RD-DA (refer to P.388)

- ② The rear face becomes the base for cutting.
The rear face has a recess so that the die can fit tightly in the die holder when installing.
※Solid Round Dies-D cannot be used from Rear face.

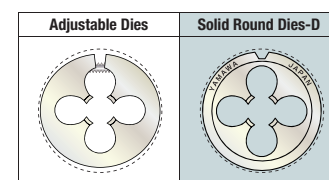
Solid Round Dies-D Rear face (basis for cutting)



Special tooling "RD-DA" is available at YAMAWA



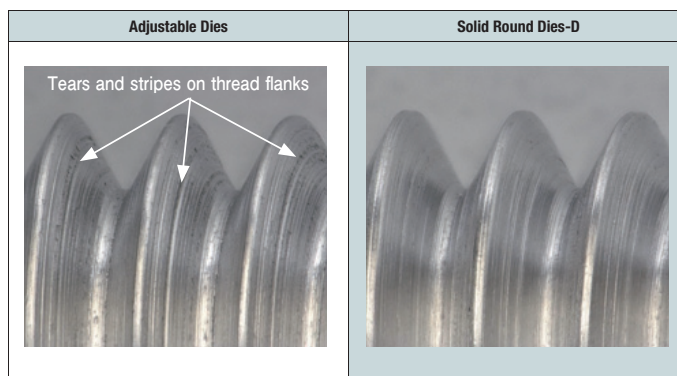
- ③ D is solid type and does not need the adjusting screw.
Compared with adjustable type, accuracy of D's outside diameter has been greatly improved.



- ④ D has succeeded in solving difficult problems related to adjustable dies and achieved the high precision cutting of external threads.

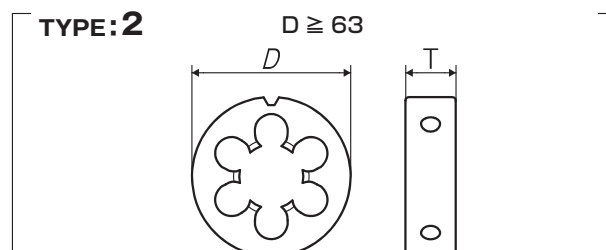
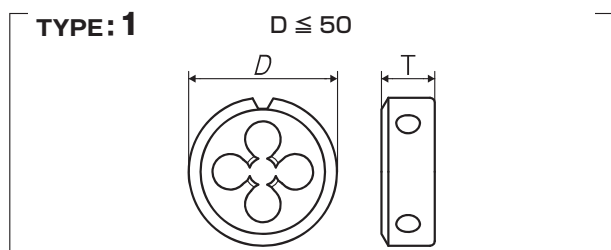
Cutting condition

Die size	M6×1 φ20
Work material	Free cutting steel
Cutting speed	2.6m/min
Feed	Free
Machine	Engine lathe
Cutting fluid	Insoluble oil



※External threads cut by Solid Round Dies-D have less tears and stripes on thread flank face.

Outside diameter	Thickness
D	T



Segment : 30

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
For Metric Threads								
M1 × 0.25	TYD1.0BDNEBC	II	16	5	3	○	1	○
	TYE1.0BDNEBC		20	7				△
M1 × 0.2	TYE1.0ADNEBC	II	20	7	3	○	1	△
	TYD1.2BDNEBC		16	5				○
M1.2 × 0.25	TYE1.2BDNEBC	II	20	7	3	○	1	○
	TYE1.2ADNEBC		20	7				△
M1.4 × 0.3	TYD1.4CDNEBC	II	16	5	3	○	1	○
	TYE1.4CDNEBC		20	7				△
M1.4 × 0.2	TYE1.4ADNEBC	II	20	7	3	○	1	△
	TYD1.6DDNEBC		16	5	3	○	1	○
M1.6 × 0.35	TYE1.6DDNEBC	II	20	7				○
	TYE1.6ADNEBC		20	7	3	○	1	△
M1.7 × 0.35	TYD1.7DDNEBC	II	16	5		○	1	○
	TYE1.7DDNEBC		20	7	3	○	1	△
M1.7 × 0.2	TYE1.7ADNEBC	II	20	7		○	1	△
	TYD1.8DDNEBC		16	5	3	○	1	△
M1.8 × 0.35	TYE1.8DDNEBC	II	20	7		○	1	△
	TYE1.8ADNEBC		20	7	3	○	1	△
M2 × 0.4	TYD2.0EDNEBC	II	16	5	3	○	1	○
	TYE2.0EDNEBC		20	7				◎
	TYG2.0EDNEBC		25	9				△
M2 × 0.25	TYD2.0BDNEBC	II	16	5	3	○	1	△
	TYE2.0BDNEBC		20	7				△
M2.2 × 0.45	TYD2.2FDNEBC	II	16	5	3	○	1	△
	TYE2.2FDNEBC		20	7				△
M2.2 × 0.25	TYD2.2BDNEBC	II	16	5	3	○	1	△
	TYD2.3EDNEBC		16	5	3	○	1	△
M2.3 × 0.4	TYE2.3EDNEBC	II	20	7				○
	TYE2.3BDNEBC		20	7	3	○	1	△
M2.5 × 0.45	TYE2.5FDNEBC	II	20	7		○	1	◎
	TYG2.5FDNEBC		25	9	3	○	1	△
M2.5 × 0.35	TYE2.5DDNEBC	II	20	7		○	1	△
	TYE2.6FDNEBC		20	7	3	○	1	◎
M2.6 × 0.45	TYG2.6FDNEBC	II	25	9				△
	TYE2.6DDNEBC		20	7	3	○	1	△
M3 × 0.5	TYD3.0GDNEBC	II	16	5	3	○	1	△
	TYE3.0GDNEBC		20	7				◎
	TYG3.0GDNEBC		25	9				○
3M0.6	TYE3.0HDNEBC	II	20	7	3	○	1	△
	TYG3.0HDNEBC		25	9				△

Spiral Fluted Taps (for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
M3 × 0.35	TYE3.0DDNEBC	II	20	7	3	○	1	○
	TYG3.0DDNEBC		25	9				△
M3.5 × 0.6	TYE3.5HDNEBC	II	20	7	3	○	1	○
	TYG3.5HDNEBC		25	9				△
M3.5 × 0.5	TYE3.5GDNEBC	II	20	7	3		1	△
M3.5 × 0.35	TYE3.5DDNEBC	II	20	7	3	○	1	○
M4 × 0.7	TYE4.0IDNEBC	II	20	7	3	○	1	◎
	TYG4.0IDNEBC		25	9				△
	TYJ4.0IDNEBC		38	13	4			
4M0.75	TYE4.0JDNEBC	II	20	7	3		1	○
	TYG4.0JDNEBC		25	9				△
M4 × 0.5	TYE4.0GDNEBC	II	20	7	3	○	1	○
	TYG4.0GDNEBC		25	9				△
M4 × 0.35	TYE4.0DDNEBC	II	20	7	3	○	1	△
M4.5 × 0.75	TYE4.5JDNEBC	II	20	7	4		1	△
M4.5 × 0.5	TYE4.5GDNEBC	II	20	7	4		1	△
M5 × 0.8	TYE5.0KDNEBC	II	20	7	4	○	1	◎
	TYG5.0KDNEBC		25	9	3			△
	TYJ5.0KDNEBC		38	13	4			
5M0.9	TYE5.0LDNEBC	II	20	7	4		1	△
	TYG5.0LDNEBC		25	9	3			
M5 × 0.75	TYE5.0JDNEBC	II	20	7	4		1	△
M5 × 0.5	TYE5.0GDNEBC	II	20	7	4	○	1	○
	TYG5.0GDNEBC		25	9	3			
M5.5 × 0.9	TYE5.5LDNEBC	II	20	7	4		1	△
M5.5 × 0.5	TYE5.5GDNEBC	II	20	7	4		1	△
M6 × 1	TYE6.0MDNEBC	II	20	7	4	○	1	◎
	TYG6.0MDNEBC		25	9				○
	TYJ6.0MDNEBC		38	13				
M6 × 0.75	TYE6.0JDNEBC	II	20	7	4	○	1	○
	TYG6.0JDNEBC		25	9				△
	TYJ6.0JDNEBC		38	13				
M6 × 0.5	TYE6.0GDNEBC	II	20	7	4	○	1	○
	TYG6.0GDNEBC		25	9				
M7 × 1	TYG7.0MDNEBC	II	25	9	4		1	○
M7 × 0.75	TYG7.0JDNEBC	II	25	9	4		1	○
M7 × 0.5	TYG7.0GDNEBC	II	25	9	4	○	1	○
M8 × 1.25	TYG8.0NDNEBC	II	25	9	4	○	1	◎
	TYJ8.0NDNEBC		38	13				○
	TYM8.0NDNEBC		50	16				
M8 × 1	TYG8.0MDNEBC	II	25	9	4		1	○
	TYJ8.0MDNEBC		38	13				
M8 × 0.75	TYG8.0JDNEBC	II	25	9	4		1	○
M8 × 0.5	TYG8.0GDNEBC	II	25	9	4	○	1	○
M9 × 1.25	TYG9.0NDNEBC	II	25	9	5		1	△
M9 × 1	TYG9.0MDNEBC	II	25	9	5		1	○
M9 × 0.75	TYG9.0JDNEBC	II	25	9	5		1	○
M9 × 0.5	TYG9.0GDNEBC	II	25	9	5	○	1	○



Outside diameter	Thickness
D	T

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
M10 × 1.5	TYG0100DNEBC	II	25	9	5		1	◎
	TYJ0100DNEBC		38	13	4			○
	TYM0100DNEBC		50	16				△
M10 × 1.25	TYG010NDNEBC	II	25	9	5		1	○
	TYJ010NDNEBC		38	13	4			△
	TYM010NDNEBC		50	16				
M10 × 1	TYG010MDNEBC	II	25	9	5		1	○
	TYJ010MDNEBC		38	13	4			
M10 × 0.75	TYG010JDNEBC	II	25	9	5		1	○
	TYJ010JDNEBC		38	13	4	○		
M10 × 0.5	TYG010GDNEBC	II	25	9	5	○	1	○
M11 × 1.5	TYJ0110DNEBC	II	38	13	4		1	△
M11 × 1.25	TYJ011NDNEBC	II	38	13	4		1	△
M11 × 1	TYJ011MDNEBC	II	38	13	4		1	○
M11 × 0.75	TYJ011JDNEBC	II	38	13	4	○	1	○
M11 × 0.5	TYJ011GDNEBC	II	38	13	4	○	1	△
M12 × 1.75	TYJ012PDNEBC	II	38	13	4		1	◎
	TYM012PDNEBC		50	16				○
M12 × 1.5	TYJ0120DNEBC	II	38	13	4		1	○
	TYM0120DNEBC		50	16				△
M12 × 1.25	TYJ012NDNEBC	II	38	13	4		1	○
	TYM012NDNEBC		50	16				△
M12 × 1	TYJ012MDNEBC	II	38	13	4		1	○
	TYM012MDNEBC		50	16				△
M12 × 0.75	TYJ012JDNEBC	II	38	13	4	○	1	○
M12 × 0.5	TYJ012GDNEBC	II	38	13	4	○	1	○
M13 × 1.5	TYJ0130DNEBC	II	38	13	5		1	△
M13 × 1.25	TYJ013NDNEBC	II	38	13	5		1	△
M13 × 1	TYJ013MDNEBC	II	38	13	5		1	△
M13 × 0.75	TYJ013JDNEBC	II	38	13	5	○	1	△
M13 × 0.5	TYJ013GDNEBC	II	38	13	5	○	1	△
M14 × 2	TYJ014QDNEBC	II	38	13	5		1	○
	TYM014QDNEBC		50	16	4			
M14 × 1.5	TYJ0140DNEBC	II	38	13	5		1	○
	TYM0140DNEBC		50	16	4			△
M14 × 1.25	TYJ014NDNEBC	II	38	13	5		1	○
M14 × 1	TYJ014MDNEBC	II	38	13	5		1	○
M14 × 0.75	TYJ014JDNEBC	II	38	13	5	○	1	△
M14 × 0.5	TYJ014GDNEBC	II	38	13	5	○	1	△
M15 × 2	TYJ015QDNEBC	II	38	13	5		1	△
M15 × 1.5	TYJ0150DNEBC	II	38	13	5		1	△
M15 × 1.25	TYJ015NDNEBC	II	38	13	5		1	△
M15 × 1	TYJ015MDNEBC	II	38	13	5		1	○
M15 × 0.75	TYJ015JDNEBC	II	38	13	5	○	1	△
M15 × 0.5	TYJ015GDNEBC	II	38	13	5	○	1	△
M16 × 2	TYJ016QDNEBC	II	38	13	5		1	◎
	TYM016QDNEBC		50	16	4			
M16 × 1.5	TYJ0160DNEBC	II	38	13	5		1	○
	TYM0160DNEBC		50	16	4			

Spiral Fluted Taps (for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

D Solid Round Dies

	Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
Spiral Fluted Taps (for blind hole)	M16 × 1.25	TYJ016NDNEBC	II	38	13	5		1	△
	M16 × 1	TYJ016MDNEBC TYM016MDNEBC	II	38 50	13 16	5 4		1	○
Spiral Fluted Taps (for through hole)	M16 × 0.75	TYJ016JDNEBC	II	38	13	5	○	1	△
	M16 × 0.5	TYJ016GDNEBC	II	38	13	5	○	1	△
Spiral Fluted Taps (for through hole)	M17 × 2	TYM017QDNEBC	II	50	16	5		1	△
	M17 × 1.5	TYM017ODNEBC	II	50	16	5		1	△
Spiral Pointed Taps (for through hole)	M17 × 1	TYM017MDNEBC	II	50	16	5		1	○
	M17 × 0.5	TYM017GDNEBC	II	50	16	5	○	1	△
Hand Taps	M18 × 2.5	TYM018RDNEBC	II	50	16	5		1	○
	M18 × 2	TYM018QDNEBC	II	50	16	5		1	△
Cemented Carbide Taps	M18 × 1.5	TYM018ODNEBC	II	50	16	5		1	○
	M18 × 1	TYM018MDNEBC	II	50	16	5		1	○
Roll Taps	M18 × 0.5	TYM018GDNEBC	II	50	16	5	○	1	△
	M19 × 1.5	TYM019ODNEBC	II	50	16	5		1	△
Special Thread Taps Simple inspection tools	M19 × 1	TYM019MDNEBC	II	50	16	5		1	△
	M20 × 2.5	TYM020RDNEBC	II	50	16	5		1	◎
Pipe Taps	M20 × 2	TYM020QDNEBC	II	50	16	5		1	○
	M20 × 1.5	TYM020ODNEBC	II	50	16	5		1	○
Thread Mills	M20 × 1.25	TYM020NDNEBC	II	50	16	5		1	△
	M20 × 1	TYM020MDNEBC	II	50	16	5		1	○
Center Drills	M20 × 0.5	TYM020GDNEBC	II	50	16	5	○	1	△
	M21 × 1.5	TYM021ODNEBC	II	50	16	5		1	△
Centering Tools	M21 × 1	TYM021MDNEBC	II	50	16	5		1	△
	M22 × 2.5	TYM022RDNEBC	II	50	16	6		1	○
Dies	M22 × 2	TYM022QDNEBC	II	50	16	6		1	△
	M22 × 1.5	TYM022ODNEBC	II	50	16	6		1	○
Spiral Fluted Taps (for blind hole)	M22 × 1.25	TYM022NDNEBC	II	50	16	6		1	△
	M22 × 1	TYM022MDNEBC	II	50	16	6		1	○
Spiral Fluted Taps (for through hole)	M22 × 0.5	TYM022GDNEBC	II	50	16	6	○	1	△
	M23 × 1.5	TYM023ODNEBC	II	50	16	6		1	△
Spiral Fluted Taps (for through hole)	M23 × 1	TYM023MDNEBC	II	50	16	6		1	△
	M24 × 3	TYM024SDNEBC	II	50	16	6		1	○
Spiral Fluted Taps (for through hole)	M24 × 2	TYM024QDNEBC	II	50	16	6		1	○
	M24 × 1.5	TYM024ODNEBC	II	50	16	6		1	○
Spiral Fluted Taps (for through hole)	M24 × 1.25	TYM024NDNEBC	II	50	16	6		1	△
	M24 × 1	TYM024MDNEBC	II	50	16	6		1	○
Spiral Fluted Taps (for through hole)	M25 × 3	TYM025SDNEBC	II	50	16	6		1	△
	M25 × 2	TYM025QDNEBC	II	50	16	6		1	△
Spiral Fluted Taps (for through hole)	M25 × 1.5	TYM025ODNEBC	II	50	16	6		1	○
	M25 × 1.25	TYM025NDNEBC	II	50	16	6		1	△
Spiral Fluted Taps (for through hole)	M25 × 1	TYM025MDNEBC	II	50	16	6		1	△
	M26 × 2	TYR026QDNEBC	II	63	20	6		2	△
Spiral Fluted Taps (for through hole)	M26 × 1.5	TYR026ODNEBC	II	63	20	6		2	○
	M26 × 1	TYR026MDNEBC	II	63	20	6		2	△
Spiral Fluted Taps (for through hole)	M27 × 3	TYR027SDNEBC	II	63	20	6		2	○
	M27 × 2	TYR027QDNEBC	II	63	20	6		2	△
Spiral Fluted Taps (for through hole)	M27 × 1.5	TYR027ODNEBC	II	63	20	6		2	○
	M27 × 1	TYR027MDNEBC	II	63	20	6		2	△

Outside diameter	Thickness
D	T

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
M28 × 2	TYR028QDNEBC	II	63	20	6		2	△
M28 × 1.5	TYR028ODNEBC	II	63	20	6		2	△
M28 × 1	TYR028MDNEBC	II	63	20	6		2	△
M30 × 3.5	TYR030TDNEBC	II	63	20	6		2	○
M30 × 3	TYR030SDNEBC	II	63	20	6		2	△
M30 × 2	TYR030QDNEBC	II	63	20	6		2	△
M30 × 1.5	TYR030ODNEBC	II	63	20	6		2	○
M30 × 1	TYR030MDNEBC	II	63	20	6		2	△
M32 × 3	TYR032SDNEBC	II	63	20	6		2	△
M32 × 2	TYR032QDNEBC	II	63	20	6		2	△
M32 × 1.5	TYR032ODNEBC	II	63	20	6		2	△
M32 × 1	TYR032MDNEBC	II	63	20	6		2	△
M33 × 3.5	TYR033TDNEBC	II	63	20	6		2	△
M33 × 3	TYR033SDNEBC	II	63	20	6		2	△
M33 × 2	TYR033QDNEBC	II	63	20	6		2	△
M33 × 1.5	TYR033ODNEBC	II	63	20	6		2	△
M33 × 1	TYR033MDNEBC	II	63	20	6		2	△
M34 × 3	TYU034SDNEBC	II	75	25	6		2	△
M34 × 2	TYU034QDNEBC	II	75	25	6		2	△
M34 × 1.5	TYU034ODNEBC	II	75	25	6		2	△
M34 × 1	TYU034MDNEBC	II	75	25	6		2	△
M35 × 3	TYU035SDNEBC	II	75	25	6		2	△
M35 × 2	TYU035QDNEBC	II	75	25	6		2	△
M35 × 1.5	TYU035ODNEBC	II	75	25	6		2	△
M35 × 1	TYU035MDNEBC	II	75	25	6		2	△
M36 × 4	TYU036UDNEBC	II	75	25	6		2	△
M36 × 3	TYU036SDNEBC	II	75	25	6		2	△
M36 × 2	TYU036QDNEBC	II	75	25	6		2	△
M36 × 1.5	TYU036ODNEBC	II	75	25	6		2	△
M36 × 1	TYU036MDNEBC	II	75	25	6		2	△
M38 × 3	TYU038SDNEBC	II	75	25	6		2	△
M38 × 2	TYU038QDNEBC	II	75	25	6		2	△
M38 × 1.5	TYU038ODNEBC	II	75	25	6		2	△
M38 × 1	TYU038MDNEBC	II	75	25	6		2	△
M39 × 4	TYU039UDNEBC	II	75	25	6		2	△
M39 × 3	TYU039SDNEBC	II	75	25	6		2	△
M39 × 2	TYU039QDNEBC	II	75	25	6		2	△
M39 × 1.5	TYU039ODNEBC	II	75	25	6		2	△
M39 × 1	TYU039MDNEBC	II	75	25	6		2	△
M40 × 3	TYU040SDNEBC	II	75	25	8		2	△
M40 × 2	TYU040QDNEBC	II	75	25	8		2	△
M40 × 1.5	TYU040ODNEBC	II	75	25	8		2	△
M40 × 1	TYU040MDNEBC	II	75	25	8		2	△
M42 × 4.5	TYU042VDNEBC	II	75	25	8		2	△
M42 × 3	TYU042SDNEBC	II	75	25	8		2	△
M42 × 2	TYU042QDNEBC	II	75	25	8		2	△
M42 × 1.5	TYU042ODNEBC	II	75	25	8		2	△
M42 × 1	TYU042MDNEBC	II	75	25	8		2	△
M44 × 1.5	TYU044ODNEBC	II	75	25	8		2	△

Spiral Fluted Taps (for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
M45 × 4.5	TYU045VDNEBC	II	75	25	8		2	△
M45 × 3	TYU045SDNEBC	II	75	25	8		2	△
M45 × 2	TYU045QDNEBC	II	75	25	8		2	△
M45 × 1.5	TYU045ODNEBC	II	75	25	8		2	△
M48 × 5	TYU048WDNEBC	II	75	25	8		2	△
M48 × 3	TYU048SDNEBC	II	75	25	8		2	△
M48 × 2	TYU048QDNEBC	II	75	25	8		2	△
M48 × 1.5	TYU048ODNEBC	II	75	25	8		2	△
M50 × 3	TYU050SDNEBC	II	75	25	8		2	△
M50 × 2	TYU050QDNEBC	II	75	25	8		2	△
M50 × 1.5	TYU050ODNEBC	II	75	25	8		2	△
For Unified Threads								
Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
NO.0-80UNF	TYDUN0BDNEBC	II	16	5	3	○	1	△
	TYEUN0BDNEBC		20	7				
NO.1-64UNC	TYEUN1DDNEBC	II	20	7	3	○	1	△
NO.1-72UNF	TYEUN1CDNEBC	II	20	7	3	○	1	△
NO.2-56UNC	TYDUN2EDNEBC	II	16	5	3	○	1	△
	TYEUN2EDNEBC		20	7				
NO.2-64UNF	TYEUN2DDNEBC	II	20	7	3	○	1	△
NO.3-48UNC	TYEUN3FDNEBC	II	20	7	3	○	1	△
NO.3-56UNF	TYEUN3EDNEBC	II	20	7	3	○	1	△
NO.4-40UNC	TYEUN4HDNEBC	II	20	7	3	○	1	○
NO.4-48UNF	TYEUN4FDNEBC	II	20	7	3	○	1	△
NO.5-40UNC	TYEUN5HDNEBC	II	20	7	3		1	△
NO.5-44UNF	TYEUN5GDNEBC	II	20	7	3		1	△
NO.6-32UNC	TYEUN6JDNEBC	II	20	7	3		1	○
NO.6-40UNF	TYEUN6HDNEBC	II	20	7	3		1	△
NO.8-32UNC	TYEUN8JDNEBC	II	20	7	3		1	○
NO.8-36UNF	TYEUN8IDNEBC	II	20	7	3		1	△
NO.10-24UNC	TYEUNAMDNEBC	II	20	7	4		1	△
NO.10-32UNF	TYEUNAJDNEBC	II	20	7	4		1	○
NO.12-24UNC	TYEUNCMDNEBC	II	20	7	4		1	△
NO.12-28UNF	TYEUNCKDNEBC	II	20	7	4		1	△
1/4-20UNC	TYEU04NDNEBC	II	20	7	4		1	○
	TYGU04NDNEBC		25	9				△
1/4-28UNF	TYEU04KDNEBC	II	20	7	4		1	○
	TYGU04KDNEBC		25	9				○
1/4-32UNEF	TYGU04JDNEBC	II	25	9	4		1	△
5/16-18UNC	TYGU05ODNEBC	II	25	9	4		1	△
	TYJU05ODNEBC		38	13				
5/16-24UNF	TYGU05MDNEBC	II	25	9	4		1	○
	TYJU05MDNEBC		38	13				△
5/16-32UNEF	TYGU05JDNEBC	II	25	9	4		1	△
3/8-16UNC	TYGU06PDNEBC	II	25	9	5		1	○
	TYJU06PDNEBC		38	13	4			△
3/8-24UNF	TYGU06MDNEBC	II	25	9	5		1	○
	TYJU06MDNEBC		38	13	4			
3/8-32UNEF	TYGU06JDNEBC	II	25	9	5		1	△

Outside diameter	Thickness
D	T

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
7/16-14UNC	TYJU07QDNEBC	II	38	13	4		1	△
7/16-20UNF	TYJU07NDNEBC	II	38	13	4		1	○
7/16-24UN	TYJU07MDNEBC	II	38	13	4		1	△
7/16-28UNEF	TYJU07KDNEBC	II	38	13	4		1	△
1/2-13UNC	TYJU08RDNEBC	II	38	13	4		1	○
	TYMU08RDNEBC		50	16				△
1/2-20UNF	TYJU08NDNEBC	II	38	13	4		1	○
	TYMU08NDNEBC		50	16				△
1/2-28UNEF	TYJU08KDNEBC	II	38	13	4		1	△
9/16-12UNC	TYJU09SDNEBC	II	38	13	5		1	△
9/16-18UNF	TYJU09DNEBC	II	38	13	5		1	○
9/16-20UN	TYJU09NDNEBC	II	38	13	5		1	△
9/16-24UNEF	TYJU09MDNEBC	II	38	13	5		1	△
5/8-11UNC	TYJU10UDNEBC	II	38	13	5		1	△
	TYMU10UDNEBC		50	16	4			
5/8-18UNF	TYJU100DNEBC	II	38	13	5		1	△
	TYMU100DNEBC		50	16	4			
5/8-24UNEF	TYJU10MDNEBC	II	38	13	5		1	△
3/4-10UNC	TYMU12VDNEBC	II	50	16	5		1	△
3/4-16UNF	TYMU12PDNEBC	II	50	16	5		1	○
3/4-20UNEF	TYMU12NDNEBC	II	50	16	5		1	△
7/8-9UNC	TYMU14WDNEBC	II	50	16	6		1	△
7/8-14UNF	TYMU14QDNEBC	II	50	16	6		1	○
1 -8UNC	TYMU16XDNEBC	II	50	16	6		1	△
1 -12UNF	TYMU16SDNEBC	II	50	16	6		1	△
1 -14UNS	TYMU16QDNEBC	II	50	16	6		1	△
1 -20UNEF	TYMU16NDNEBC	II	50	16	6		1	△
1 1/8-7UNC	TYRU18YDNEBC	II	63	20	6		2	△
1 1/8-8UN	TYRU18XDNEBC	II	63	20	6		2	△
1 1/8-12UNF	TYRU18SDNEBC	II	63	20	6		2	△
1 1/4-7UNC	TYRU20YDNEBC	II	63	20	6		2	△
1 1/4-8UN	TYRU20XDNEBC	II	63	20	6		2	△
1 1/4-12UNF	TYRU20SDNEBC	II	63	20	6		2	△
1 3/8-6UNC	TYUU22ZDNEBC	II	75	25	6		2	△
1 3/8-12UNF	TYUU22SDNEBC	II	75	25	6		2	△
1 1/2-6UNC	TYUU24ZDNEBC	II	75	25	6		2	△
1 1/2-8UN	TYUU24XDNEBC	II	75	25	6		2	△
1 1/2-12UNF	TYUU24SDNEBC	II	75	25	6		2	△
1 5/8-12UN	TYUU26SDNEBC	II	75	25	8		2	△
1 3/4-5UNC	TYUU287DNEBC	II	75	25	8		2	△
1 3/4-12UN	TYUU28SDNEBC	II	75	25	8		2	△
2 -12UN	TYUU32SDNEBC	II	75	25	8	○	2	△
For Whitworth Threads								
Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
1/16W60	TYEW019DNEBC	II	20	7	3	○	1	△
3/32W48	TYEW1HFDNEBC	II	20	7	3	○	1	△
1/8W40	TYEW02HDNEBC	II	20	7	3		1	○
5/32W32	TYEW2HJDNEBC	II	20	7	3		1	○

Spiral Fluted Taps (for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

D Solid Round Dies

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
3/16W24	TYEW03MDNEBC	II	20	7	4		1	○
	TYGW03MDNEBC		25	9	3			△
7/32W24	TYEW3HMDNEBC	II	20	7	4		1	△
1/4W20	TYEW04NDNEBC	II	20	7	4		1	○
	TYGW04NDNEBC		25	9				△
	TYJW04NDNEBC		38	13		○		
5/16W18	TYGW050DNEBC	II	25	9	4		1	○
	TYJW050DNEBC		38	13				△
3/8W16	TYGW06PDNEBC	II	25	9	5		1	○
	TYJW06PDNEBC		38	13	4			
	TYMW06PDNEBC		50	16				△
7/16W14	TYJW07QDNEBC	II	38	13	4		1	△
	TYMW07QDNEBC		50	16				
1/2W12	TYJW08SDNEBC	II	38	13	4		1	○
	TYMW08SDNEBC		50	16				△
9/16W12	TYJW09SDNEBC	II	38	13	5		1	△
5/8W11	TYJW10UDNEBC	II	38	13	5		1	○
	TYMW10UDNEBC		50	16	4			
3/4W10	TYMW12VDNEBC	II	50	16	5		1	○
7/8W9	TYMW14WDNEBC	II	50	16	6		1	○
1 W8	TYMW16XDNEBC	II	50	16	6		1	○
1 1/8W7	TYRW18YDNEBC	II	63	20	6		2	△
1 1/4W7	TYRW20YDNEBC	II	63	20	6		2	△
1 3/8W6	TYUW22ZDNEBC	II	75	25	6		2	△
1 1/2W6	TYUW24ZDNEBC	II	75	25	6		2	△
For Screw Threads used on Sewing Machines								
Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
3/32SM56	TYES06EDNEBC	II	20	7	3	○	1	△
1/8SM40	TYES08HDNEBC	II	20	7	3		1	△
1/8SM44	TYES08GDNEBC	II	20	7	3		1	△
9/64SM40	TYES09HDNEBC	II	20	7	3		1	△
11/64SM40	TYES11HDNEBC	II	20	7	4		1	△
3/16SM28	TYES12KDNEBC	II	20	7	4		1	△
3/16SM32	TYES12JDNEBC	II	20	7	4		1	△
7/32SM32	TYES14JDNEBC	II	20	7	4		1	△
15/64SM28	TYES15KDNEBC	II	20	7	4		1	△
1/4SM24	TYES16MDNEBC	II	20	7	4		1	△
1/4SM40	TYES16HDNEBC	II	20	7	4		1	△



Outside diameter	Thickness
D	T

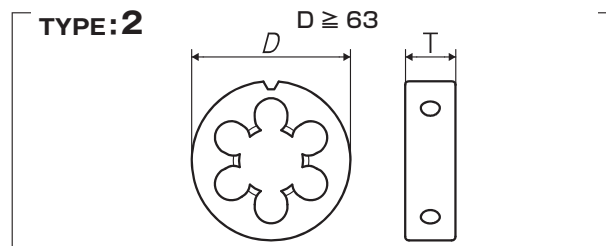
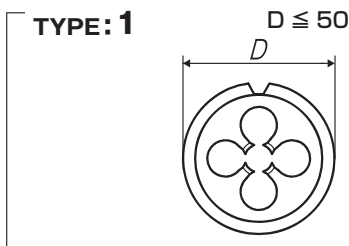
D LH

Solid Round Dies for Left Hand Threads

Specification



For icon explanation, refer to P.24



Segment : 30

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
For Metric Threads								
M1 × 0.25	GYE1.0BDNEBC	II	20	7	3	○	1	△
M1.4 × 0.3	GYE1.4CDNEBC	II	20	7	3	○	1	△
M1.6 × 0.35	GYE1.6DDNEBC	II	20	7	3	○	1	△
M1.7 × 0.35	GYE1.7DDNEBC	II	20	7	3	○	1	△
M2 × 0.4	GYE2.0EDNEBC	II	20	7	3	○	1	△
M2.3 × 0.4	GYE2.3EDNEBC	II	20	7	3	○	1	△
M2.5 × 0.45	GYE2.5FDNEBC	II	20	7	3	○	1	△
M2.6 × 0.45	GYE2.6FDNEBC	II	20	7	3	○	1	△
M3 × 0.5	GYE3.0GDNEBC	II	20	7	3	○	1	○
	GYG3.0GDNEBC		25	9				△
M3 × 0.35	GYE3.0DDNEBC	II	20	7	3	○	1	△
M3.5 × 0.6	GYE3.5HDNEBC	II	20	7	3		1	△
M3.5 × 0.35	GYE3.5DDNEBC	II	20	7	3		1	△
M4 × 0.7	GYE4.0IDNEBC	II	20	7	3		1	○
	GYG4.0IDNEBC		25	9				
M4 × 0.5	GYE4.0GDNEBC	II	20	7	3		1	△
M5 × 0.8	GYE5.0KDNEBC	II	20	7	4		1	○
	GYG5.0KDNEBC		25	9	3			
M5 × 0.5	GYE5.0GDNEBC	II	20	7	4		1	△
M6 × 1	GYE6.0MDNEBC	II	20	7	4	○	1	○
	GYG6.0MDNEBC		25	9				
	GYJ6.0MDNEBC		38	13				△
M6 × 0.75	GYE6.0JDNEBC	II	20	7	4		1	△
M6 × 0.5	GYE6.0GDNEBC	II	20	7	4		1	△
M7 × 1	GYG7.0MDNEBC	II	25	9	4		1	△
M7 × 0.75	GYG7.0JDNEBC	II	25	9	4		1	△
M7 × 0.5	GYG7.0GDNEBC	II	25	9	4	○	1	△
M8 × 1.25	GYG8.0NDNEBC	II	25	9	4		1	○
	GYJ8.0NDNEBC		38	13				
M8 × 1	GYG8.0MDNEBC	II	25	9	4		1	△
	GYJ8.0MDNEBC		38	13				

D LH Solid Round Dies for Left Hand Threads

	Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
Spiral Fluted Taps (for blind hole)	M8 × 0.75	GYG8.0JDNEBC	II	25	9	4		1	△
	M8 × 0.5	GYG8.0GDNEBC	II	25	9	4	○	1	△
	M9 × 1.25	GYG9.0NDNEBC	II	25	9	5		1	△
Spiral Fluted Taps (for through hole)	M9 × 1	GYG9.0MDNEBC	II	25	9	5		1	△
	M9 × 0.75	GYG9.0JDNEBC	II	25	9	5		1	△
	M9 × 0.5	GYG9.0GDNEBC	II	25	9	5	○	1	△
Spiral Pointed Taps (for through hole)	M10 × 1.5	GYG0100DNEBC	II	25	9	5		1	○
		GYJ0100DNEBC		38	13	4			
	M10 × 1.25	GYG010NDNEBC	II	25	9	5		1	△
GYJ010NDNEBC		38		13	4				
Hand Taps	M10 × 1	GYG010MDNEBC	II	25	9	5		1	△
		GYJ010MDNEBC		38	13	4			
	M10 × 0.75	GYG010JDNEBC	II	25	9	5		1	△
Cemented Carbide Taps	M10 × 0.5	GYG010GDNEBC	II	25	9	5	○	1	△
	M11 × 1.5	GYJ0110DNEBC	II	38	13	4		1	△
	M11 × 1.25	GYJ011NDNEBC	II	38	13	4		1	△
Roll Taps	M11 × 1	GYJ011MDNEBC	II	38	13	4		1	△
	M11 × 0.5	GYJ011GDNEBC	II	38	13	4	○	1	△
	M12 × 1.75	GYJ012PDNEBC	II	38	13	4		1	○
Special Thread Taps Simple inspection tools	M12 × 1.5	GYJ0120DNEBC	II	38	13	4		1	△
	M12 × 1.25	GYJ012NDNEBC	II	38	13	4		1	△
	M12 × 1	GYJ012MDNEBC	II	38	13	4		1	△
Pipe Taps	M12 × 0.75	GYJ012JDNEBC	II	38	13	4	○	1	△
	M12 × 0.5	GYJ012GDNEBC	II	38	13	4	○	1	△
	M14 × 2	GYJ014QDNEBC	II	38	13	5		1	△
Thread Mills	M14 × 1.5	GYJ0140DNEBC	II	38	13	5		1	△
	M14 × 1.25	GYJ014NDNEBC	II	38	13	5		1	△
	M14 × 1	GYJ014MDNEBC	II	38	13	5		1	△
Dies	M15 × 1.5	GYJ0150DNEBC	II	38	13	5		1	△
	M15 × 1	GYJ015MDNEBC	II	38	13	5		1	△
	M16 × 2	GYJ016QDNEBC	II	38	13	5		1	○
GYM016QDNEBC		50		16	4				
Center Drills	M16 × 1.5	GYJ0160DNEBC	II	38	13	5		1	△
		GYM0160DNEBC		50	16	4			
	M16 × 1	GYJ016MDNEBC	II	38	13	5		1	△
GYM016MDNEBC	50	16		4					
Centering Tools	M17 × 1	GYM017MDNEBC	II	50	16	5		1	△
	M18 × 2.5	GYM018RDNEBC	II	50	16	5		1	△
	M18 × 2	GYM018QDNEBC	II	50	16	5		1	△
	M18 × 1.5	GYM0180DNEBC	II	50	16	5		1	△
	M18 × 1	GYM018MDNEBC	II	50	16	5		1	△
	M20 × 2.5	GYM020RDNEBC	II	50	16	5		1	○
	M20 × 2	GYM020QDNEBC	II	50	16	5		1	△
	M20 × 1.5	GYM0200DNEBC	II	50	16	5		1	△
	M20 × 1	GYM020MDNEBC	II	50	16	5		1	△
	M22 × 2.5	GYM022RDNEBC	II	50	16	6		1	△
	M22 × 2	GYM022QDNEBC	II	50	16	6		1	△
	M22 × 1.5	GYM0220DNEBC	II	50	16	6		1	△

Outside diameter	Thickness
D	T

D LH Solid Round Dies for Left Hand Threads

Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
M22 × 1	GYM022MDNEBC	II	50	16	6		1	△
M24 × 3	GYM024SDNEBC	II	50	16	6		1	△
M24 × 2	GYM024QDNEBC	II	50	16	6		1	△
M24 × 1.5	GYM024ODNEBC	II	50	16	6		1	△
M24 × 1	GYM024MDNEBC	II	50	16	6		1	△
M25 × 1.5	GYM025ODNEBC	II	50	16	6		1	△
M26 × 1.5	GYR026ODNEBC	II	63	20	6		2	△
M27 × 3	GYR027SDNEBC	II	63	20	6		2	△
M27 × 1.5	GYR027ODNEBC	II	63	20	6		2	△
M28 × 1.5	GYR028ODNEBC	II	63	20	6		2	△
M30 × 3.5	GYR030TDNEBC	II	63	20	6		2	△
M30 × 3	GYR030SDNEBC	II	63	20	6		2	△
M30 × 2	GYR030QDNEBC	II	63	20	6		2	△
M30 × 1.5	GYR030ODNEBC	II	63	20	6		2	△
M36 × 4	GYU036UDNEBC	II	75	25	6		2	△
M48 × 5	GYU048WDNEBC	II	75	25	8		2	△
For Unified Threads								
Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
1/4-20UNC	GYGU04NDNEBC	II	25	9	4		1	△
1/4-28UNF	GYGU04KDNEBC	II	25	9	4		1	△
5/16-18UNC	GYGU05ODNEBC	II	25	9	4		1	△
5/16-24UNF	GYGU05MDNEBC	II	25	9	4		1	△
3/8-16UNC	GYGU06PDNEBC	II	25	9	5		1	△
3/8-24UNF	GYGU06MDNEBC	II	25	9	5		1	△
	GYJU06MDNEBC		38	13	4			
7/16-20UNF	GYJU07NDNEBC	II	38	13	4		1	△
1/2-13UNC	GYJU08RDNEBC	II	38	13	4		1	△
1/2-20UNF	GYJU08NDNEBC	II	38	13	4		1	△
9/16-12UNC	GYJU09SDNEBC	II	38	13	5		1	△
9/16-18UNF	GYJU09ODNEBC	II	38	13	5		1	△
5/8-11UNC	GYMU10UDNEBC	II	50	16	4		1	△
5/8-18UNF	GYMU10ODNEBC	II	50	16	4		1	△
3/4-10UNC	GYMU12VDNEBC	II	50	16	5		1	△
3/4-16UNF	GYMU12PDNEBC	II	50	16	5		1	△
7/8-9UNC	GYMU14WDNEBC	II	50	16	6		1	△
7/8-14UNF	GYMU14QDNEBC	II	50	16	6		1	△
For Whitworth Threads								
Size	Code	Class	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
3/16W24	GYEW03MDNEBC	II	20	7	4		1	△
5/16W18	GYGW05ODNEBC	II	25	9	4		1	△
3/8W16	GYGW06PDNEBC	II	25	9	5		1	△
	GYJW06PDNEBC		38	13	4			
7/16W14	GYJW07QDNEBC	II	38	13	4		1	△
1/2W12	GYJW08SDNEBC	II	38	13	4		1	△
5/8W11	GYJW10UDNEBC	II	38	13	5		1	△
3/4W10	GYMW12VDNEBC	II	50	16	5		1	△
7/8W9	GYMW14WDNEBC	II	50	16	6		1	△
1 W8	GYMW16XDNEBC	II	50	16	6		1	△

Spiral Fluted Taps (for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

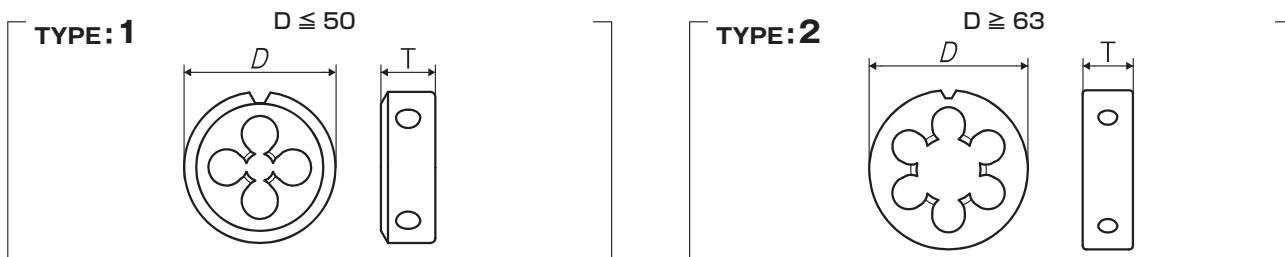
D PF

Solid Round Dies for Parallel Pipe Threads

Specification



For icon explanation, refer to P.24



Segment : 3G

Size	Code	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
For PF Threads							
PF1/16-28	TYGPF010NEBC	25	9	4		1	△
PF1/8-28	TYGPF020NEBC	25	9	5		1	△
	TYJPF020NEBC	38	13	4			○
PF1/4-19	TYJPF040NEBC	38	13	5		1	○
PF3/8-19	TYJPF060NEBC	38	13	6		1	△
	TYMPF060NEBC	50	16	5			○
PF1/2-14	TYMPF080NEBC	50	16	5		1	○
PF5/8-14	TYMPF100NEBC	50	16	6		1	△
PF3/4-14	TYMPF120NEBC	50	16	6		1	△
	TYRPF120NEBC	63	20			2	○
PF1 -11	TYUPF160NEBC	75	25	6		2	○
PF1 1/4-11	TYUPF200NEBC	75	25	8		2	△
PF1 1/2-11	TYUPF240NEBC	75	25	8		2	△
PF2 -11	TYYPF320NEBC	105	30	8		2	△

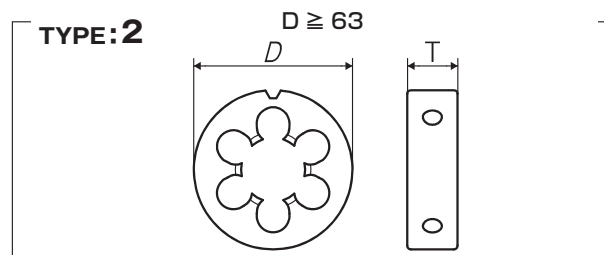
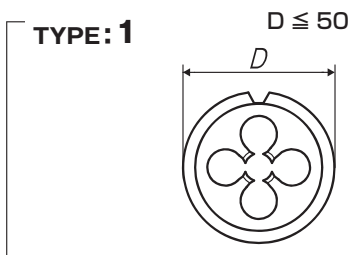
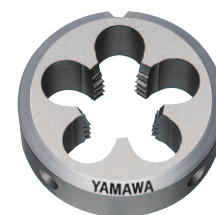
Outside diameter	Thickness
D	T

D PF LH

Solid Round Dies for Parallel Pipe Threads, for Left Hand Threads
Specification



For icon explanation, refer to P.24



Segment : 3G

Size	Code	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
For PF Threads							
PF1/8-28	GYJPF020NEBC	38	13	4		1	△
PF1/4-19	GYJPF040NEBC	38	13	5		1	△
PF3/8-19	GYMPF060NEBC	50	16	5		1	△
PF1/2-14	GYMPF080NEBC	50	16	5		1	△
PF3/4-14	GYRPF120NEBC	63	20	6		2	△
PF1 -11	GYUPF160NEBC	75	25	6		2	△

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

Outside diameter	Thickness
D	T

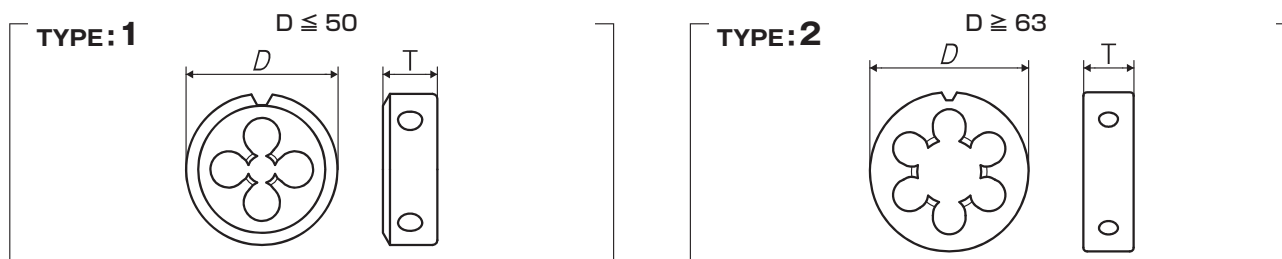
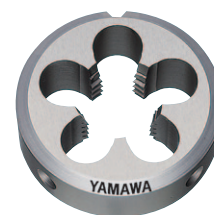
D NPSM

Solid Round Dies for American Parallel Pipe Threads

Specification



For icon explanation, refer to P.24



Segment : 3G

Size	Code	D (mm)	T (mm)	Clearance holes	Recess	Type	Stock
For NPSM Threads							
NPSM1/16-27	TYJSM010NEBC	38	13	4		1	△
NPSM1/8-27	TYJSM020NEBC	38	13	4		1	△
NPSM1/4-18	TYJSM040NEBC	38	13	5		1	△
NPSM3/8-18	TYMSM060NEBC	50	16	5		1	△
NPSM1/2-14	TYMSM080NEBC	50	16	5		1	△
NPSM3/4-14	TYRSM120NEBC	63	20	6		2	△
NPSM1 -11.5	TYUSM160NEBC	75	25	6		2	△
NPSM1 1/4-11.5	TYUSM200NEBC	75	25	8		2	△

Outside diameter	Thickness	Position of basic dia
D	T	ℓg

D PT

Solid Round Dies for Taper Pipe Threads

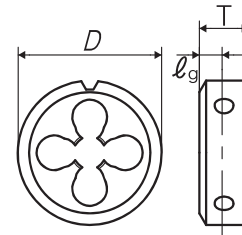
Specification



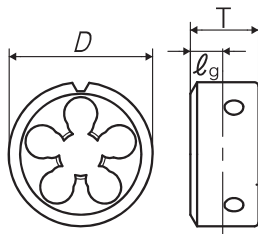
For icon explanation, refer to P.24



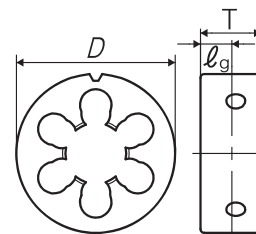
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 3G

Size	Code	D (mm)	T (mm)	ℓg (mm)	Clearance holes	Recess	Type	Stock
For PT Threads								
PT1/16-28	TYJPT010NEBC	38	13	6	4	○	1	△
PT1/8-28	TYJPT020NEBC	38	13	6	4	○	1	◎
PT1/4-19	TYJPT040NEBC	38	18	8.5	5	○	2	◎
PT3/8-19	TYMPT060NEBC	50	22	10	5	○	2	◎
PT1/2-14	TYMPT080NEBC	50	22	12	6		2	◎
PT5/8-14	TYRPT100NEBC	63	24	12	6	○	3	△
PT3/4-14	TYRPT120NEBC	63	24	12.5	6		3	◎
PT7/8-14	TYUPT140NEBC	75	30	12.5	6	○	3	△
PT1 -11	TYUPT160NEBC	75	30	15	6	○	3	◎
PT1 1/4-11	TYUPT200NEBC	75	30	15	6		3	△
PT1 1/2-11	TYUPT240NEBC	75	30	15	6		3	△
PT2 -11	TYIPT320NEBC	105	36	17.5	8		3	△

D PT LH

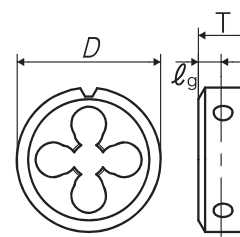
Solid Round Dies for Taper Pipe Threads, for Left Hand Threads
Specification



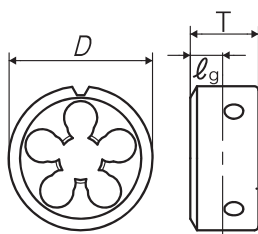
For icon explanation, refer to P.24



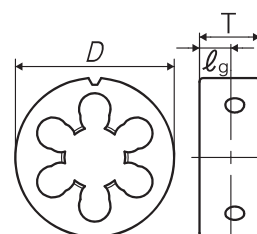
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 3G

Size	Code	D (mm)	T (mm)	lg (mm)	Clearance holes	Recess	Type	Stock
For PT Threads								
PT1/8-28	GYJPT020NEBC	38	13	6	4	○	1	△
PT1/4-19	GYJPT040NEBC	38	18	8.5	5	○	2	△
PT3/8-19	GYMPT060NEBC	50	22	10	5	○	2	△
PT1/2-14	GYMPT080NEBC	50	22	12	6		2	△
PT3/4-14	GYRPT120NEBC	63	24	12.5	6		3	△
PT1 -11	GYUPT160NEBC	75	30	15	6	○	3	△

Outside diameter	Thickness	Position of basic dia
D	T	ℓg

D NPT

Solid Round Dies for American Taper Pipe Threads

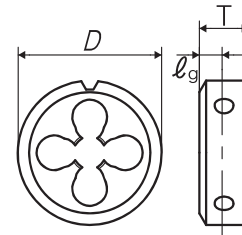
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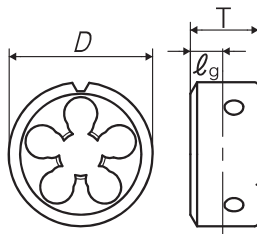
For icon explanation, refer to P.24



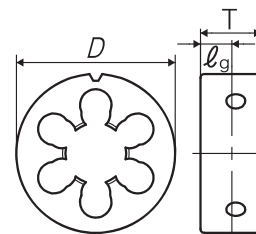
TYPE:1



TYPE:2



TYPE:3



Segment : 3G

Size	Code	D (mm)	T (mm)	ℓg (mm)	Clearance holes	Recess	Type	Stock
For NPT Threads								
NPT1/16-27	TYJNT010NEBC	38	13	5	4	○	1	△
NPT1/8-27	TYJNT020NEBC	38	13	5	4	○	1	○
NPT1/4-18	TYJNT040NEBC	38	18	8	5	○	2	○
NPT3/8-18	TYMNT060NEBC	50	22	8	5	○	2	△
NPT1/2-14	TYMNT080NEBC	50	22	10	6		2	△
NPT3/4-14	TYRNT120NEBC	63	24	10	6		3	△
NPT1 -11.5	TYUNT160NEBC	75	30	13	6	○	3	△
NPT1 1/4-11.5	TYUNT200NEBC	75	30	13.5	6	○	3	△

D NPTF

Solid Round Dies for American Dryseal Taper Pipe Threads

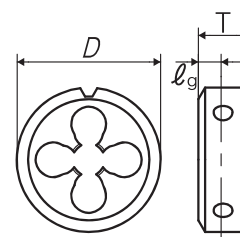
Specification



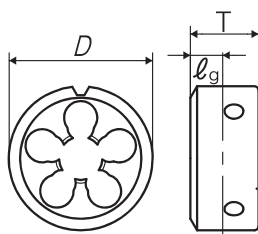
For icon explanation, refer to P.24



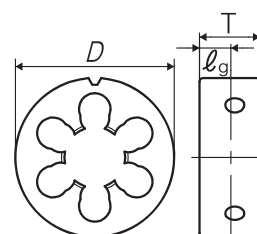
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 3G

Size	Code	D (mm)	T (mm)	lg (mm)	Clearance holes	Recess	Type	Stock
For NPTF Threads								
NPTF1/16-27	TYJNF010NEBC	38	13	6	4	○	1	△
NPTF1/8-27	TYJNF020NEBC	38	13	6	4	○	1	△
NPTF1/4-18	TYJNF040NEBC	38	18	10	5	○	2	△
NPTF3/8-18	TYMNF060NEBC	50	22	10	5	○	2	△
NPTF1/2-14	TYMNF080NEBC	50	22	12	6		2	△
NPTF3/4-14	TYRNF120NEBC	63	24	12	6		3	△
NPTF1 -11.5	TYUNF160NEBC	75	30	15	6	○	3	△
NPTF1 1/4-11.5	TYUNF200NEBC	75	30	15.5	6	○	3	△

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

MS-RS-D/RS-D

Rolling Dies

Specification

HSS

NI

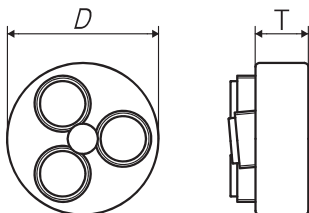
Nitride

For icon explanation, refer to P.24



■ Due to the threading through material deformation, the die produces no chips, and produces external threads of high precision with clean surface.

TYPE: 1



Segment : 34

Size	Code	Class	D (mm)	T (mm)	Type	Stock
For Miniature Screw Threads						
S0.5 × 0.125	RA20.5-	R2	6	2	1	△
S0.6 × 0.15	RA20.6-	R2	6	2	1	△
S0.7 × 0.175	RA20.7-	R3	6	2	1	△
S0.8 × 0.2	R020.8-	R3	8	3	1	△
For Metric Threads						
Size	Code	Class	D (mm)	T (mm)	Type	Stock
M1 × 0.25	RBQ1.0B	R2	10	3.5	1	△
	RBR1.0B	R3				
	RBS1.0B	R4				
M1.1 × 0.25	RBR1.1B	R3	10	3.5	1	△
M1.2 × 0.25	RBQ1.2B	R2	10	3.5	1	△
	RBR1.2B	R3				
	RBS1.2B	R4				
M1.4 × 0.3	RBQ1.4C	R2	10	3.5	1	△
	RDQ1.4C		16	5		
	RBR1.4C	R3	10	3.5		
	RDR1.4C		16	5		
	RBS1.4C	R4	10	3.5		
	RDS1.4C		16	5		
M1.6 × 0.35	RDQ1.6D	R2	16	5	1	△
	RDR1.6D	R3				
	RDS1.6D	R4				
M1.7 × 0.35	RDQ1.7D	R2	16	5	1	△
	RDR1.7D	R3				
	RDS1.7D	R4				
M1.8 × 0.35	RDR1.8D	R3	16	5	1	△
M2 × 0.4	RDQ2.0E	R2	16	5	1	△
	RDR2.0E	R3				
	RDS2.0E	R4				
M2 × 0.25	RDR2.0B	R3	16	5	1	△
	RDS2.0B	R4				

Outside diameter	Thickness
D	T

MS-RS-D/RS-D Rolling Dies

Size	Code	Class	D (mm)	T (mm)	Type	Stock
M2.3 × 0.4	RDQ2.3E	R2	16	5	1	△
	RDR2.3E	R3				
	RDS2.3E	R4				
M2.3 × 0.25	RDR2.3B	R3	16	5	1	△
M2.5 × 0.45	RDQ2.5F	R2	16	5	1	△
	REQ2.5F		20	7		
	RDS2.5F	R4	16	5		
	RES2.5F		20	7		
	RDT2.5F	R5	16	5		
	RET2.5F		20	7		
M2.5 × 0.35	RDQ2.5D	R2	16	5	1	△
	RDR2.5D	R3				
	RDS2.5D	R4				
M2.6 × 0.45	RDQ2.6F	R2	16	5	1	△
	REQ2.6F		20	7		
	RDS2.6F	R4	16	5		
	RES2.6F		20	7		
	RDT2.6F	R5	16	5		
M2.6 × 0.35	RDS2.6D	R4	16	5	1	△
M3 × 0.5	REQ3.0G	R2	20	7	1	△
	RES3.0G	R4				
M3 × 0.35	REQ3.0D	R2	20	7	1	△
	RES3.0D	R4				
	RET3.0D	R5				
M3.5 × 0.35	RES3.5D	R4	20	7	1	△
	RET3.5D	R5				
M4 × 0.5	RET4.0G	R5	20	7	1	△
	REU4.0G	R6				
M5 × 0.5	RER5.0G	R3	20	7	1	△
	RES5.0G	R4				
	RET5.0G	R5				
	REU5.0G	R6				

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

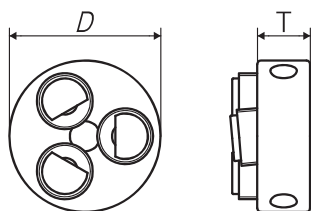
N-RSD

New Rolling Dies

Specification

HSS

For icon explanation, refer to P.24

TYPE: 1


Segment : 34

Size	Code	Class	D (mm)	T (mm)	Type	Stock
For Metric Threads						
M3 × 0.5	NRGS3.0G	R4	25	9	1	△
M4 × 0.7	NRGS4.0I	R4	25	9	1	△
M5 × 0.8	NRGT5.0K	R5	25	9	1	△
M6 × 1	NRHT6.0M	R5	30	11	1	△
M8 × 1.25	NRJU8.0N	R6	38	13	1	△

■ Due to the threading through material deformation, the die produces no chips, and produces external threads of high precision with clean surface. Due to low load at its chamfer, the die ensures the improvement of endurance.



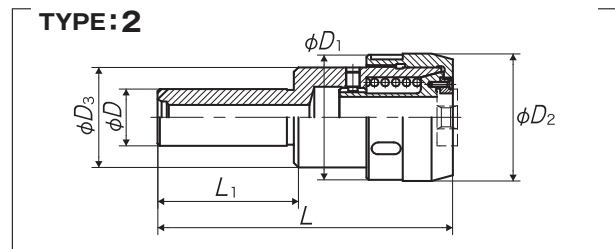
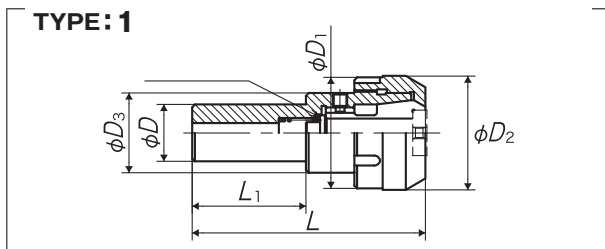
Shank dia.	Nut dia. for Hook spanner	Outside dia. of nut	Dia. of middle shaft	Overall length	Shank length
ϕD	ϕD_1	ϕD_2	ϕD_3	L	L ₁

RD-DH

Die Holders for Solid Dies



■ Die Holder for Solid Dies.



Segment : 3A

Code	Die OD	ϕD (mm)	ϕD_1 (mm)	ϕD_2 (mm)	ϕD_3 (mm)	L (mm)	L ₁ (mm)	Adaptive collet	Weight (kg)	Type	Stock
DH16-20	10	20	39	40	27.7	82	40	DC10-20	0.3	1	○
	16							DC16-20			
DH25-25	20	25	55	56	43.6	130	60	DC20-25	0.8	2	○
	25							DC25-25			
DH50-32	38	32	78	80	48	151	70	DC38-32	1.6	2	○
	50							DC50-32			

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

Outside dia. of Die	Outside dia of collet	Guide dia.	Overall length
ϕD	ϕA	ϕB	L

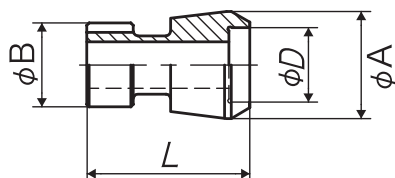
RD-DC

Die Collets for Die Holders

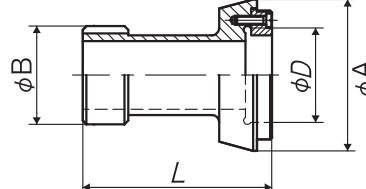


■ Due to attachment type, compatible to various kinds of holders.

TYPE:1



TYPE:2



Segment : 3A

Code	Die OD	ϕD (mm)	ϕA (mm)	ϕB (mm)	L (mm)	Adaptive holder	Weight (kg)	Type	Stock
DC10-20	10	10	23	18	35	DH16-20	0.05	1	○
DC16-20	16	16							
DC20-25	20	20	40	26	52	DH25-25	0.13	2	○
DC25-25	25	25					0.11		
DC38-32	38	38	62	34	60	DH50-32	0.32	2	○
DC50-32	50	50					0.23		

Centering Tools

RD-DA

Die attachment (Designed Specially for Solid Round Dies)

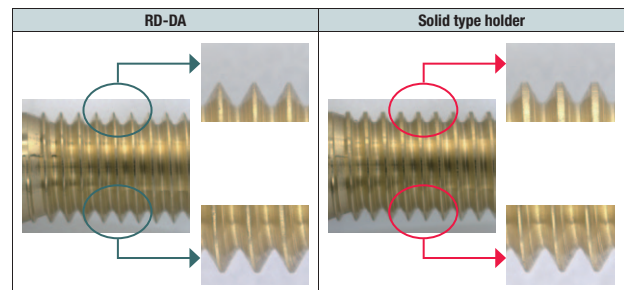
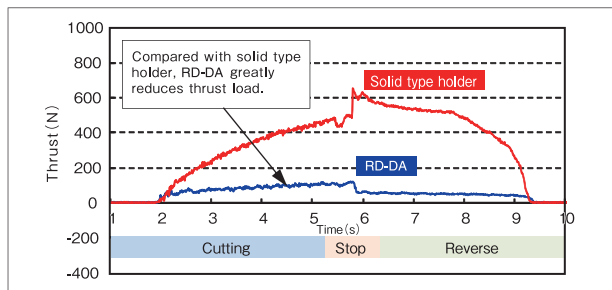
Specification



For icon explanation, refer to P.24



- Tooling designed specially for Solid Dies, with the mechanism to compensate for feed error and to absorb misalignment.
- Combined with CNC toolings, this attachment enables the cutting of external threads on complex workpieces with ease.
- Due to the mechanism to compensate for feed error, the thrust in the axial direction decreases and the tool life becomes longer.
- By automatic centering, RD-DA absorbs misalignment in radial direction and realizes the high precision thread cutting of external threads.



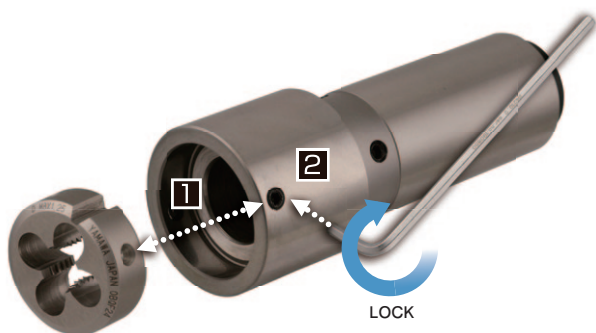
Cutting condition (Rigid feed)

Tool size	M10×1.5	Cutting length	15mm
Work material	Brass	Machine	Vertical MC
Cutting speed	5m/min	Cutting fluid	Tapping spray

Cutting condition (Rigid feed)

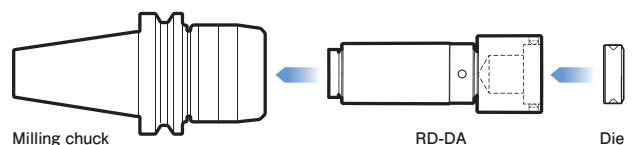
Tool size	M8×1.25	Cutting length	12mm
Work material	Brass	Machine	Vertical MC
Cutting speed	5m/min	Cutting fluid	Water soluble oil

How to attach die



- ① Align push-hole or V groove of the die with the side lock screw on RD-DA and attach die.
- ② Turn the side lock screw by hex wrench and fasten die tightly.
- ③ Make sure the die is fastened tightly and use RD-DA with NC toolings.

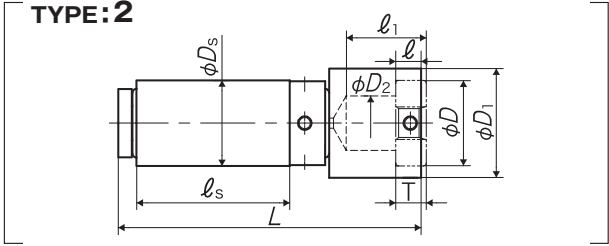
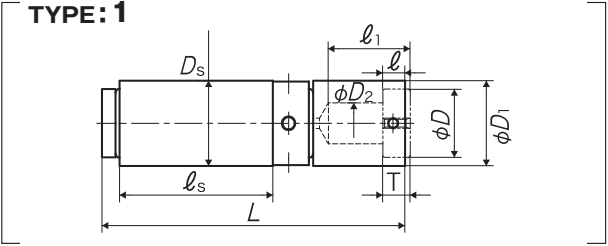
Example of use



Combined with NC toolings, RD-DA can be used with MC.



Shank dia.	Holder dia.	Recess dia.	Overall length	Shank length	Depth of die mounting	Cutting depth	Outside dia of Die	Thickness of Die
Ds	D ₁	D ₂	L	ℓ _s	ℓ	ℓ ₁	D	T



Segment : 3A

Code	Ds (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	ℓs (mm)	ℓ (mm)	ℓ ₁ (mm)	D (mm)	T (mm)	Type
DA10-20	20	20	6	71	40	3	11	10	3	1
DA16-20	20	20	10	76	40	4.5	16	16	5	1
DA20-25	25	25	12	89	45	6.5	22.5	20	7	1
DA25-25	25	32	16	89	45	7.5	22	25	9	2

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools