

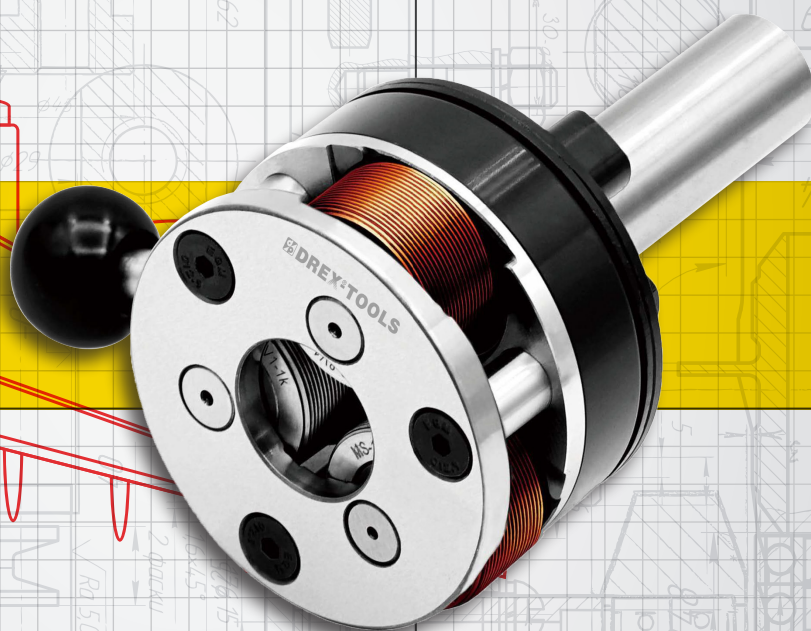


DREX[®]-TOOLS

UTENSILI DI PRECISIONE PER L'INDUSTRIA MECCANICA - AERONAUTICA - AEROSPAZIALE
PRECISION TOOLS FOR THE MECHANICAL AVIATION - AEROSPACE MANUFACTURING



AXIAL THREAD ROLLING TOOL



AND GROUP ITALIA SRL

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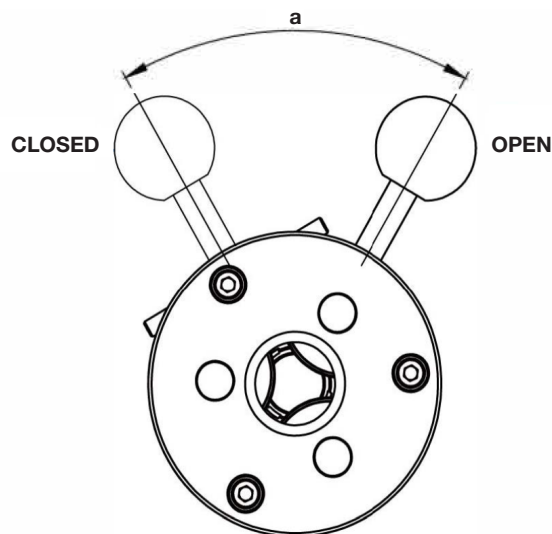
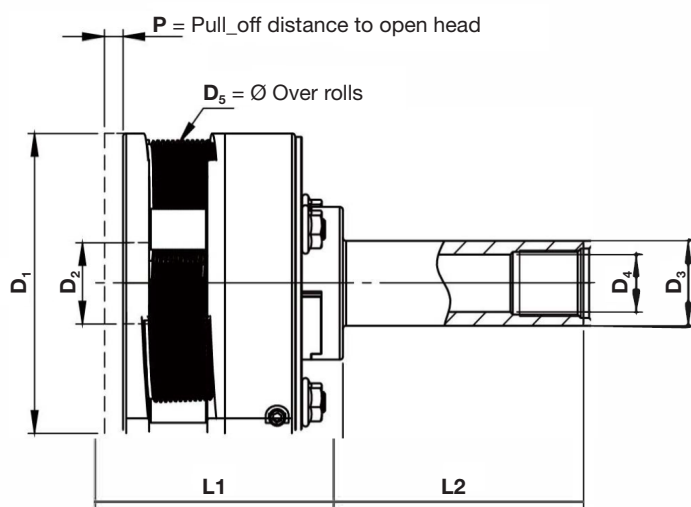
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AXIAL THREAD ROLLING TOOL



CODE	D1	02	D3	D4	D5	L1	L2	P	a	Kg
MS-01	40	12	16/20	7.5	N/A	24	43.5	1.5	32	0.34
MS-1	64	17	20	11	70	60	50	2	60	0.85
MS-12	64	20	20	11	70	60	50	2	60	0.85
MS-2	88	24	25	17	93.5	76	69	3	60	2
MS-23	88	28	25	17	93.5	76	69	3	60	2
MS-233400	96	39	25/30	14	115	60	82.5	3	30	2.9
MS-3	117	38	30/40	22	131	89	83	4	60	4
MS-34	117	44	30/40	22	128	89	83.5	4	60	4
MS-4	165	46	40/50	28/32	162	75	156	4	30	12
MS-45	165	48	40/50	28/32	161	75	158	4	30	12
MS-5	200	55	50/70	32/40	204	95	174	5	30	25
MS-56	200	58	50/70	32/40	204	95	168	6	30	25

The following Thread Rolls may be ordered as standard on the **MS-01 Head**

ISO Metric Nominal size x Pitch mm
M 3.5 x 0.6
M 4.0 x 0.7
M 4.0 - M 4.5 x 0.75
M 5.0 x 0.8
M 5.0 - M 5.5 x 0.9
M 6.0 x 1.0

ISO Metric Fine Nominal size x Pitch mm
M 4.0 - M 5.0 x 0.5

Unified Coarse UNC Nominal Size x TPI
No. 8 x 32
No. 10 - No. 12 x 24

Unified Fine UNF Nominal Size x TPI
No. 6 x 40
No. 8 x 36
No. 10 x 32
No. 12 x 28
1/4 x 28

Whitworth BSW Nominal Size x TPI
5/32 x 32
3/16 - 7/32 x 24

Whitworth Fine BSF Nominal Size x TPI
3/16 x 32
7/32 x 28
1/4 x 26

I Thread dimensions combined in one block can be rolled with one set of rolls.
Weight 1 set approx kg 0,100/0,160

The following Thread Rolls may be ordered as standard on the **MS-1 Head**

ISO Metric Nominal Size x Pitch mm
M 6.0 - M 7.0 x 1.0
M 8.0 - M 9.0 x 1.25
M 10.0 x 1.5

ISO Metric Fine Nominal Size x Pitch mm
M 6.0 - M 7.0 x 0.75
M 8.0 x 1.0
M 10.0 x 1.25

NPT Nominal Size x TPI
1/16 - 27 NPT
1/8 - 27 NPT

Unified Coarse UNC Nominal Size x TPI
1/4 x 20
5/16 x 18
3/8 x 16
7/16 x 14

Unified Fine UNF Nominal Size x TPI
1/4 x 28
5/16 - 3/8 x 24

NPTF Nominal Size x TPI
1/16 - 27 NPTF
1/8 - 27 NPTF

Whitworth BSW Nominal Size x TPI
1/4 x 20
5/16 x 18
3/8 x 16

Whitworth Fine BSF Nominal Size x TPI
1/4 x 26
5/16 x 22
3/8 x 20
7/16 x 20

I Thread dimensions combined in one block can be rolled with one set of rolls.
Weight 1 set approx kg 0,100/0,160

The following Thread Rolls may be ordered as standard on the **MS-12 Head**

ISO Metric Nominal Size x Pitch mm
M 6.0 - M 7.0 x 0.5
M 7.0 - M 8.0 x 0.5
M 6.0 - M 7.0 x 0.75
M 8.0 - M 9.0 x 0.75
M 9.0 - M 10.0 x 0.75
M 10.0 - M 11.0* x 0.75
M 11.0* - M 12.0* x 0.75
M 8.0 - M 9.0 x 1.0
M 9.0 - M 10.0 x 1.0
M 10.0 - M 11.0* x 1.0
M 11.0* - M 12.0* x 1.0
M 10.0 - M 11.0* x 1.25
M 11.0* - M 12.0* x 1.25
M 12.0* x 1.5

Unified Fine UNF Whitworth Fine BSF Nominal Size x TPI
1/4 - 5/16 x 40
5/16 - 3/8 x 36
7/16* x 36
5/16 - 3/8 x 32
7/16* - 1/2* x 32
3/8 - 7/16* x 28
1/2* x 28
7/16* - 1/2* x 26
3/8 - 7/16* x 24
7/16* - 1/2* x 24
7/16* - 1/2* x 22
7/16* - 1/2* x 20

Whitworth Pipe BSP Nominal Size x TPI
G 1/8 x 28
G 1/4* x 19

NPT Nominal Size x TPI
1/8 x 27 NPT
1/4* x 18 NPT

NPTF Nominal Size x TPI
1/8 x 27 NPTF
1/4* x 18 NPTF

I Thread dimensions combined in one block can be rolled with one set of rolls.
Weight 1 set approx kg 0,030/0,140

* For short threads up to 14 mm length including run-out.

The following Thread Rolls may be ordered as standard on the **MS-2 Head**

ISO Metric Nominal Size x Pitch mm
M 8.0 - M 10.0 x 1.25
M 10.0 - M 12.0 x 1.5
M 12.0 - M 14.0 x 1.75
M 14.0 - M 16.0 x 2.0

ISO Metric Fine Nominal Size x Pitch mm
M 8.0 - M 9.0 x 1.0
M 10.0 - M 12.0 x 1.25
M 12.0 - M 14.0 x 1.5

Unified Coarse UNC Nominal Size x TPI
5/16 x 18
3/8 x 16
7/16 x 14
1/2 x 13
9/16 x 12
5/8 x 11

Unified Fine UNF Nominal Size x TPI
5/16 - 3/8 x 24
7/16 - 1/2 x 20

Whitworth Pipe BSP Nominal Size x TPI
G 1/4 x 19

Whitworth BSW Nominal Size x TPI
5/16 x 18
3/8 x 16
7/16 x 14
1/2 - 9/16 x 12
5/8 x 11

Whitworth Fine BSF Nominal Size x TPI
5/16 x 22
3/8 x 20
7/16 x 18
1/2 - 9/16 x 16
5/8 x 14

Thread dimensions combined in one
block can be rolled with one set of Rolls.
Weight 1 set approx kg 0,250/0,450

The following Thread Rolls may be ordered as standard on the **MS-23 Head**

ISO Metric Nominal Size x Pitch mm
M 8.0 - M 10.0 x 0.5
M 8.0 - M 10.0 x 0.75
M 10.0 - M 12.0 x 0.75
M 10.0 - M 12.0 x 1.0
M 12.0 - M 14.0 x 1.0
M 14.0 - M 16.0 x 1.0
M 16.0 - M 18.0* x 1.0
M 18.0* - M 20.0* x 1.0
M 14.0 - M 16.0 x 1.25
M 16.0 - M 18.0* x 1.5
M 18.0* - M 20.0* x 1.5
M 20.0* - M 22.0* x 1.5

ISO Metric Fine Nominal Size x Pitch mm
G 1/8 x 28
G 1/4 x 19
G 3/8* x 19
G 1/2* x 14

Unified Fine UN-UNF-UNEF-UNS Whitworth Fine BSF Nominal Size x TPI
5/16 - 3/8 x 40
5/16 - 3/8 x 36
3/8 - 7/16 x 36
7/16 - 1/2 x 36
1/2 - 9/16 x 36
5/16 - 3/8 x 32
3/8 - 7/16 x 32
7/16 - 1/2 x 32
1/2 - 9/16 x 32
9/16 - 5/8 x 32
7/16 - 1/2 x 28
1/2 - 9/16 x 28
9/16 - 5/8 x 28
7/16 - 1/2 x 26
1/2 - 9/16 x 26
9/16 - 5/8 x 26
3/4* x 26
7/16 - 1/2 x 24
1/2 - 9/16 x 24
9/16 - 5/8 x 24
3/4* x 24
1/2 - 9/16 x 22
9/16 - 5/8 x 22
3/4* x 22
1/2 - 9/16 x 20
9/16 - 5/8 x 20
11/16* - 3/4* x 20
9/16 - 5/8 x 18
3/4* x 18
3/4* x 16
3/4* x 14

NPT Nominal Size x TPI
1/8 x 27 NPT
1/4* x 18 NPT

NPTF Nominal Size x TPI
1/8 x 27 NPTF
1/4* x 18 NPTF

I Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 0,170/0,330

*For short threads up to 19 mm length
including run-out.

The following Thread Rolls may be ordered as standard on the **MS-233400 Head**

ISO Metric Fine Nominal Size x Pitch mm
M 16.0* - M 18.0* x 1.5
M 18.0* - M 20.0* x 1.5
M 20.0* - M 22.0* x 1.5
M 22.0* - M 24.0* x 1.5
M 24.0* - M 26.0* x 1.5
M 26.0* - M 28.0** x 1.5
M 28.0** - M 30.0** x 1.5
M 30.0** - M 32.0** x 1.5
M 32.0** - M 34.0** x 1.5
M 34.0** - M 36.0** x 1.5
M 22.0* - M 24.0* x 2.0
M 24.0* - M 26.0* x 2.0
M 26.0* - M 28.0** x 2.0
M 28.0** - M 30.0** x 2.0
M 30.0** - M 32.0** x 2.0
M 32.0** - M 34.0** x 2.0
M 34.0** - M 36.0** x 2.0

Whitworth Pipe BSP Nominal Size x TPI
G 3/8* x 19
G 1/2* x 14
G 5/8* x 14
G 3/4* x 14
G 7/8** x 14
G 1** x 11

Unified Fine UNF Whitworth Fine BSF Nominal Size x TPI continued...
3/4* x 26
5/8* x 24
11/16* x 24
3/4* x 24
7/8* x 24
3/4* x 22
7/8* x 22
5/8* - 11/16* x 20
11/16* - 3/4* x 20
3/4* - 13/16* x 20
13/16* - 7/8* x 20
7/8* - 15/16* x 20
15/16* - 1* x 20
1* - 1.1/16* x 20
1.1/16* - 1.1/8** x 20
1.1/8** - 1.3/16** x 20
5/8* x 183/4* x 18
7/8* x 18
1* x 1.1/16* x 18
1.1/16* - 1.1/8** x 18
1.1/8* - 1.3/16 x 18
11/16* - 3/4* x 16
3/4* - 13/16* x 16
13/16* - 7/8* x 16
7/8* - 15/16* x 16
15/16* - 1* x 16
1* - 1.1/16* x 16
continua...

Unified Fine UNF Whitworth Fine BSF continued... Nominal Size x TPI
1.1/16* - 1.1/8** x 16
1.1/8** - 1.3/16** x 16
1.3/16** - 1.1/4** x 16
1.1/4** - 1.5/16** x 16
1.5/16** - 1.3/8** x 16
1.3/8** - 1.7/16** x 16
13/16* - 7/8* x 14
7/8* - 15/16* x 14
15/16* - 1* x 14
1* - 1.1/16* x 14
1.1/16* - 1.1/8** x 14
1.1/8** - 1.3/16** x 14
1.3/16** - 1.1/4** x 14
1.1/4** - 1.5/16** x 14
1.5/16** - 1.3/8 x 14
1.3/8** - 1.7/16** x 14
7/8* - 15/16* x 12
15/16* - 1* x 12
1* - 1.1/16* x 12
1.1/16* - 1.1/8** x 12
1.1/8** - 1.3/16** x 12
1.3/16** - 1.1/4** x 12
1.1/4** - 1.5/16** x 12
1.5/16** - 1.3/8** x 12
1.3/8** - 1.7/16** x 12

I Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 0,180/0,400

* For short threads up to 73 mm length
including run-out.

** For short threads up to 24 mm length
including run-out.

NPT Nominal Size x TPI
3/8-18 NPT

NPTF Nominal Size x TPI
3/8-18 NPTF

The following Thread Rolls may be ordered as standard on the **MS-3 Head**

ISO Metric Nominal Size x Pitch mm
M 12.0 - M 14.0 x 1.75
M 14.0 - M 16.0 x 2.0
M 18.0 - M 20.0 x 2.5
M 20.0 - M 22.0* x 2.5

ISO Metric Fine Nominal Size x Pitch mm
M 12.0 - M 14.0 x 1.5
M 14.0 - M 16.0 x 1.5
M 18.0 - M 20.0 x 2.0
M 20.0 - M 22.0* x 2.0

Unified Coarse UNC Nominal Size x TPI
7/16 x 14
1/2 x 13
9/16 x 12
5/8 x 11
3/4 x 10
7/8* x 9

Unified Fine UNF Nominal Size x TPI
7/16 - 1/2 x 20
9/16 - 5/8 x 18

Whitworth BSW Nominal Size x TPI
7/16 x 14
1/2 - 9/16 x 12
5/8 - 11/16 x 11
3/4 x 10
7/8* - 15/16* x 9

Whitworth Fine BSF Nominal Size x TPI
7/16 x 18
1/2 - 9/16 x 16
5/8 - 11/16 x 14
3/4 x 12
7/8* - 15/16* x 11

I Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 0,750/1,200

* For short threads up to 24 mm length
including run-out.

Whitworth Pipe BSP Nominal Size x TPI
G 1/4 x 19
G 1/2 x 14

The following Thread Rolls may be ordered as standard on the **MS-34 Head**

ISO Metric Nominal Size x Pitch mm
M 12.0 -M 14.0 x 1.0
M 14.0 -M 16.0 x 1.0
M 16.0 -M 18.0 x 1.0
M 18.0 -M 20.0 x 1.0
M 16.0 -M 18.0 x 1.5
M 18.0 -M 20.0 x 1.5
M 20.0 -M 22.0* x 1.5
M 22.0* -M 24.0* x 1.5
M 24.0* -M 27.0* x 1.5
M 27.0* -M 30.0* x 1.5

Whitworth Pipe BSP Nominal Size x TPI
G 1/4 x 19
G 1/2 x 14

**I Thread dimensions combined in one block can be rolled with one set of rolls.
Weight 1 set approx kg 0,300/0,850**

* For short threads up to 24 mm length including run-out.

Unified Fine UN-UNF-UNEF-UNS Whitworth Fine BSF Nominal Size x TPI
9/16 -5/8 x 26
3/4 x 26
9/16 -5/8 x 24
3/4 x 24
7/8* x 24
9/16 -5/8 x 22
3/4 x 22
7/8* x 22
9/16 -5/8 x 20
3/4 x 20
7/8* x 20
1* x 20
5/8 x 18
3/4 -13/16 x 18
7/8* -15/16* x 18
15/16* -1* x 18
1.1/8* x 18
3/4 x 16
7/8* x 16
1* x 16
1.1/8* x 16
7/8* x 14
1* x 14
1.1/8* x 14
1* x 12
1.1/8* x 12
1.1/8* x 11

NPT Nominal Size x TPI
3/8 -18 NPT
1/2 -14 NPT
3/4 -14 NPT

NPTF Nominal Size x TPI
3/8 -18 NPTF
1/2 -14 NPTF
3/4 -14 NPTF

The following Thread Rolls may be ordered as standard on the **MS-4 Head**

ISO Metric Nominal Size x Pitch mm
M 14.0 -M 16.0 x 2.0
M 18.0 -M 20.0 x 2.5
M 20.0 -M 22.0 x 2.5
M 24.0 -M 27.0 x 3.0
M 27.0 -M 30.0 x 3.5

Unified Fine UNF Nominal Size x TPI
M 14.0 -M 16.0 x 1.5
M 16.0 -M 18.0 x 1.5
M 18.0 -M 20.0 x 2.0
M 22.0 -M 24.0 x 2.0

Whitworth BSP Nominal Size x NPI
G 3/8 x 10
G 1/2-5/8 x 14

Unified Coarse UNC Nominal Size x TPI
9/16 x 12
5/8 x 11
3/4 x 10
7/8 x 9
1 x 8
1.1/8 x 7

Unified Fine UNF Nominal Size x TPI
9/16 -5/8 x 18
3/4 x 16
7/8 x 14
1 x 12

**I Thread dimensions combined in one block can be rolled with one set of rolls.
Weight 1 set approx kg 1,100/2,000**

The following Thread Rolls may be ordered as standard on the **A45 Head**

ISO Metric Fine Nominal Size x Pitch mm
M 18.0 - M 20.0 x 1.5
M 20.0 - M 22.0 x 1.5
M 22.0 - M 24.0 x 1.5
M 24.0 - M 27.0 x 1.5
M 27.0 - M 30.0 x 1.5
M 30.0 - M 33.0 x 1.5
M 33.0 - M 36.0 x 1.5
M 36.0 - M 39.0* x 1.5
M 38.0* - M 40.0* x 1.5
M 24.0 - M 27.0 x 2.0
M 27.0 - M 30.0 x 2.0
M 30.0 - M 33.0 x 2.0
M 33.0 - M 36.0 x 2.0
M 36.0 - M 39.0* x 2.0
M 39.0* - M 42.0* x 2.0

NPT Nominal Size x NPI
3/4 - 14 NPT
1 - 11,5 NPT

NPTF Nominal Size x NPI
3/4 -14 NPTF
1 - 11,5 NPTF

Whitworth BSP Nominal Size x NPI
G 3/8 -19
G 1/2 -14
G 5/8 -14
G 3/4 -14
G 7/8 -14
G 1 -11
G 1 1/8* -11
G 1 1/4* -11

Unified Fine UN-UNF-UNEF Whitworth Fine BSF Nominal Size x NPI
3/4 -13/16 x 20
13/16 -7/8 x 20
7/8 -15/16 x 20
15/16 -1 x 20
1-1.1/16 x 20
1.1/16 -1.1/8 x 20
1.1/8 -1.3/16 x 20
1.3/16 -1.1/4 x 20
1.1/4 -1.5/16 x 20
1.1/16 -1.1/8 x 18
1.1/8 -1.3/16 x 18
1.3/16 -1.1/4 x 18
1.1/4 -1.5/16 x 18
1.5/16 -1.3/8 x 18
13/16 -7/8 x 16
7/8 -15/16 x 16
15/16 -1 x 16
1-1.1/16 x 16
1.1/16 -1.1/8 x 16
1.1/8 -1.3/16 x 16
1.3/16 -1.1/4 x 16
1.1/4 -1.5/16 x 16
1.5/16 -1.3/8 x 16
1.3/8 -1.7/16 x 16
1.7/16* -1.1/2* x 16
1.1/2* -1.9/16* x 16
7/8 x 14
1-1.1/16 x 12
1.1/16 -1.1/8 x 12
1.1/8 -1.3/16 x 12
1.3/16 -1.1/4 x 12
1.1/4 -1.5/16 x 12
1.5/16 -1.3/8 x 12
1.3/8 -1.7/16 x 12
1.7/16 -1.1/2* x 12
1.1/2* -1.9/16* x 12

**II Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 0,900/1,600**

* For short threads up to 28 mm length
including run-out.

The following Thread Rolls may be ordered as standard on the **MS-5 Head**

ISO Metric Nominal Size x Pitch mm
M 18.0 - M 20.0 x 2.5
M 20.0 - M 22.0 x 2.5
M 24.0 - M 27.0 x 3.0
M 30.0 - M 33.0 x 3.5
M 36.0 - M 39.0 x 4.0

ISO Metric Fine Nominal Size x Pitch mm
M 18.0 x 1.5
M 18.0 - M 20.0 x 2.0
M 22.0 - M 24.0 x 2.0
M 30.0 - M 33.0 x 3.0
M 33.0 - M 36.0 x 3.0

Unified Coarse UNC Nominal Size x NPI
3/4 x 10
7/8 x 9
1 x 8
1.1/8 -1.1/4 x 7
1.3/8 -1.1/2 x 6

**I Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 2,000/4,600**

Whitworth BSP Nominal Size x NPI
G 1/2 - 14
G 5/8 - 14

Unified Fine UNF Nominal Size x NPI
3/4 x 16
7/8 x 14
1 x 12

The following Thread Rolls may be ordered as standard on the **MS-56 Head**

ISO Metric Fine Nominal Size x Pitch mm
M 22.0 - M 24.0 x 1.5
M 24.0 - M 27.0 x 1.5
M 27.0 - M 30.0 x 1.5
M 30.0 - M 33.0 x 1.5
M 33.0 - M 36.0 x 1.5
M 36.0 - M 39.0 x 1.5
M 39.0 - M 42.0 x 1.5
M 42.0 - M 45.0 x 1.5
M 45.0 - M 48.0* x 1.5
M 27.0 - M 30.0 x 2.0
M 30.0 - M 33.0 x 2.0
M 33.0 - M 36.0 x 2.0
M 36.0 - M 39.0 x 2.0
M 39.0 - M 42.0 x 2.0
M 42.0 - M 45.0 x 2.0
M 45.0 - M 48.0* x 2.0
M 48.0* - M 50.0* x 2.0
M 50.0* - M 52.0* x 2.0
M 42.0 - M 45.0 x 3.0
M 45.0 - M 48.0* x 3.0
M 48.0* - M 50.0* x 3.0
M 50.0* - M 52.0* x 3.0

Whitworth Pipie BSP Nominal Size x TPI
G 3/4 - 14
G 7/8 - 14
G 1 - 11
G 1 1/8 - 11
G1 1/4.....13/8 - 11
G 1 1/2* - 11
G 1 5/8* - 11
G 1 3/4* - 11

I Thread dimensions combined in one
block can be rolled with one set of rolls.
Weight 1 set approx kg 1,000/2,600

* For short threads up to 95 mm length
including run-out.

**For short threads up to 38 mm length
including runout.

Unified UN UNF UNEF Nominal Size x TPI
7/8 - 1 x 20
1 - 1.1/8 x 20
1.1/8 - 1.1/4 x 20
1.1/4 - 1.3/8 x 20
1.3/8 - 1.1/2 x 20
1.1/16 - 1.3/16 x 18
1.3/16 - 1.5/16 x 18
1.5/16 - 1.7/16 x 18
1.7/16 - 1.9/16 x 18
1.9/16 - 1.11/16 x 18
7/8 - 1 x 16
1 - 1.1/8 x 16
1.1/8 - 1.1/4 x 16
1.1/4 - 1.3/8 x 16
1.3/8 - 1.1/2 x 16
1.1/2 - 1.5/8 x 16
1.5/8 - 1.3/4 x 16
1.3/4 - 1.7/8* x 16
1.7/8* - 2* x 16
1.1/8 - 1.1/4 x 12
1.1/4 - 1.3/8 x 12
1.3/8 - 1.1/2 x 12
1.1/2 - 1.5/8 x 12
1.5/8 - 1.3/4 x 12
1.3/4 - 1.7/8* x 12
1.7/8* - 2* x 12
2* - 2.1/8** x 12
1.3/4 - 1.7/8* x 8
1.7/8* - 2* x 8
2* - 2.1/8** x 8

NPT/NPTF Nominal Size x TPI
NPT/NPTF 3/4 - 14
NPT/NPTF 1 - 11.5
NPT/NPTF 1 1/4 - 11.5
NPT/NPTF 1 1/2 - 11.5

TYPICAL WORKPIECES

Oil joint


- ☒ M14x1.5: 1.5 sec.
- ☒ M22x1.5: 1.5sec.
- ☒ C45
- ☒ TSUGAMI

Oil pipe joint


- ☒ M12x1.0: 1.5sec.
- ☒ M12x1.5: 1.3sec.
- ☒ 42CrMo
- ☒ TSUGAMI, CITIZEN

Oil spill


- ☒ M14x1.0: 1.5sec.
- ☒ 40CrMo
- ☒ TSUGAMI, CITIZEN

Valve screw


- ☒ M18x0.75: 1sec
- ☒ S45C
- ☒ MIYANO

Valve spool


- ☒ M5x0.8: 1.2sec
- ☒ SUS316
- ☒ TSUGAMI

Motor shaft


- ☒ RAA0.5: 2.5sec.
- ☒ M16x1.5: 1sec.
- ☒ Steel
- ☒ TSUGAMI

Solenoid


- ☒ M22x1.5: 1.5sec.
- ☒ NOX
- ☒ HAIDEMANN

Cylinder piston rod


- ☒ M12x1.5: 1.5sec
- ☒ M6x1: 1sec.
- ☒ SUS316
- ☒ TSUGAMI

Cylinder piston rod


- ☒ M6x1: 1.5sec
- ☒ M4x0.7: 1sec.
- ☒ SUS304
- ☒ TSUGAMI

Valve rad


- ☒ M10x1.0LH: 2.5 sec.
- ☒ M12x1.25: 1sec.
- ☒ SUS304
- ☒ TSUGAMI

Regulating valve rod


- ☒ M6x1.0: 1sec
- ☒ SUS316
- ☒ STAR SR20

Piston rod


- ☒ M8x1.25: 1sec.
- ☒ M10x1.25: 1.5 sec.
- ☒ C45
- ☒ Tornio 2 teste

Steering gear shaft


- ☒ M8x1.25: 1sec.
- ☒ 42CrMo
- ☒ TSUGAMI M08J

Transmission rocker


- ☒ RAA0.8: 1sec.
- ☒ SUS303
- ☒ TSUGAMI B0205

TYPICAL WORKPIECES

Turbine shaft

☒ M4x0.7: 2sec.

☒ Steel

☒ Lathe

Universal joint

☒ M14x1.5: 2sec.

☒ C45

☒ HAAS

Pneumatic components

☒ M8x1.25: 1sec.

☒ SUS316

☒ HANWHA

Sensor connector

☒ M16x1.5: 1sec.

☒ C45

☒ TAKISAWA

Transmission shaft

☒ M10x1.5: 1sec.

☒ C45

☒ EMAG

Valve rod

☒ M8x1.25: 2sec.

☒ SUS304

☒ TSUGAMI, STAR

Elastic tube

☒ RAA 1.0: 2sec.

☒ C45

☒ TSUGAMI B0205

Positioning bolt

☒ M8x1.0: 1sec.

☒ SUS304

☒ Transfert

Instrument connenector

☒ 3sec.

☒ SUS316

☒ HAAS, GOODWAY

Regulating valve rod

☒ M12x1.0 LH: 1sec

☒ C45

☒ TSUGAMI B0265

Oil plug

☒ M14x1.5: 1sec

☒ C45

☒ Heidmann

Control valve

☒ M19x1.0: 1sec.

☒ 20CrMo

☒ MAZAK

Straig ht Fitting

☒ 3/8-24UNF: 1sec.

☒ 3/4-16UNF: 1.5sec.

☒ SUS316

☒ TSUGAMI