

TAP AND DIE SETS

3 Pieces NPT Taper Pipe Taps Set

Ground Thread

Descriptions	Wooden Case
High Speed Steel	Model No. 314-9503
Alloy Tool Steel	Model No. 314-9603

Set includes one each: Taps

Size
1-1/4"-11-1/2
1-1/2"-11-1/2
2"-11-1/2



6 Piece NPT Taper Pipe Taps Set

Ground Thread

Descriptions	Wooden Case
High Speed Steel	Model No. 314-9506
Alloy Tool Steel	Model No. 314-9606

Set includes one each: Taps

Size
1/4"-18
3/8"-18
1/2"-14
3/4"-14
1"-11-1/2
1-1/4"-11-1/2



7 Pieces Set, Single Pass Combination Drill & Tap Sets

HSS, packed in plastic case

Set includes one each:

- 6 pcs taps
- 1 pc linked shank

Model No.314-9507

Size of Taps
M3
M4
M5
M6
M8
M10



7 Pieces Set, Spiral Point Taps, DIN371/DIN376

HSS, packed in plastic case

Set includes one each:

- 7 pcs taps, DIN371/DIN376

Model No.314-9407

Size of Taps
M3
M4
M5
M6
M8
M10
M12



7 Pieces Set, HSS DIN371/DIN376

Spiral Fluted Taps

Packed in plastic case

Set includes one each:

- 7 pcs taps, DIN371/DIN376

Model No.314-9408

Size of Taps
M3
M4
M5
M6
M8
M10
M12



8 Pieces Set, HSS DIN371/DIN376

Spiral Fluted Tap Set

Packed in metal case

Set includes one each:

- 7 pcs taps, DIN371/DIN376
- 1 pc tap wrench

Model No.314-9308

Size of Taps
M3
M4
M5
M6
M8
M10
M12



8 Pieces Set, HSS DIN371/DIN376

Spiral Pointed Tap Set

Packed in metal case

Set includes one each:

- 7 pcs taps, DIN371/DIN376
- 1 pc tap wrench

Model No.314-9309

Size of Taps
M3
M4
M5
M6
M8
M10
M12



9 Pieces Metric Set, HSS

Packed in wooden case

Set includes one each:

- 4 pcs taper taps
- 4 pcs plug taps (bottoming)
- 1 pc ratchet wheel wrench

Model No.314-9409

Size of Taps
M6
M8
M10
M12



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11 Pieces Metric Set, HSS
Packed in wooden case

Model No. 314-9411

Size of Taps
M3
M4
M5
M6
M8

Set includes one each:

- 5 pcs taper taps
- 5 pcs plug taps (bottoming)
- 1 pc ratchet wheel wrench

12 Pieces Set

Packed in plastic or metal case

Description	In plastic case	In metal case
	Model No.	Model No.
HSS Ground Thread	314-9512	314-9513
Alloy Tool Steel	314-9612	314-9613

Set includes one each:

- 5 pcs taps
- 5 pcs round dies
- 1 pc dies stock
- 1 pc tap wrench

Size of Taps & Dies
1/4-20UNC
5/16-18UNC
3/8-16UNC
7/16-14UNC
1/2-13UNC



14 Pieces Set, Spiral Point or Fluted Tap and Drill Set

HSS, DIN371/DIN376/DIN338

Packed in metal case

Set includes one each:

- 7 pcs taps, DIN371/DIN376/DIN338
- 7 pcs drills



Model No. 314-9414
Spiral Point Tap and Drill Set



Model No. 314-9415
Spiral Fluted Tap and Drill Set

Size of Taps	Size of drills
M3	φ2.5
M4	φ3.3
M5	φ4.2
M6	φ5
M8	φ6.8
M10	φ8.5
M12	φ10.2

14 Pieces Set, Spiral Fluted Taps and Spiral Point Taps

HSS, DIN371/DIN376

Packed in metal case

Set includes one each:

- 7 pcs spiral fluted taps
- 7 pcs spiral point taps

Model No. 314-9416



Size of Taps
M3
M4
M5
M6
M8
M10
M12

18 Pieces Tap and Drill Set

Packed in metal case

Set includes one each:

- 9 pcs taps
- 9 pcs drills



Model No. 314-9417

Size of Taps	Size of drills
M2.5	φ2.05
M3	φ2.5
M3.5	φ2.9
M4	φ3.3
M5	φ4.2
M6	φ5
M8	φ6.7
M10	φ8.5
M12	φ10.2

Model No. 314-9418

Size of Taps	Size of drills
6-32UNC	27/64
8-32UNC	U
10-24UNC	5/16
10-32UNC	F
1/4-20UNC	7
5/16-18UNC	21
3/8-16UNC	25
7/16-14UNC	29
1/2-13UNC	36

Model No. 314-9419

Size of Taps	Size of drills
6-40UNF	29/64
8-36UNF	25/64
10-24UNC	Q
10-32UNF	T
1/4-28UNF	3
5/16-24UNF	21
3/8-24UNF	25
7/16-20UNF	29
1/2-20UNF	36

18 Pieces Set HSS, ISO standard

Packed in metal case

Set includes one each:

- 12 pcs taper, plug, bottoming taper tap
- 4 pcs round dies
- 1 pc dies stock
- 1 pc tap wrench

Size of Taps	Size of drills
M12X1.5	M14
M12X1.25	M16
M13X1.5	M18
M14X1.5	M20

Model No. 314-9318





TAP AND DIE SETS

20 Pieces Metric Set Packed in plastic case

Set includes one each:

- 9 pcs round dies
- 9 pcs taps
- 1 pc dies stock
- 1 pc tap wrench

Description	Model No.
HSS Ground Thread	314-9420
Alloy Tool Steel	314-9720



Size of Die & Taps
M3
M4
M5
M6
M7
M8
M9
M10
M12

21 Pieces Metric Set, DIN352 Packed in metal case

Set includes one each: taps

Remark: DIN 352 V= Coarse Tap, M= Middle Tap, F= Fine Tap.

Descriptions	Metal Box
H.S.S(Ground Thread)	Model No.314-9521

Size	Size	Size
M3(V)	M3(M)	M3(F)
M4(V)	M4(M)	M4(F)
M5(V)	M5(M)	M5(F)
M6(V)	M6(M)	M6(F)
M8(V)	M8(M)	M8(F)
M10(V)	M10(M)	M10(F)
M12(V)	M12(M)	M12(F)



22 Pieces Metric Set, DIN352 Packed in metal case

Set includes one each:

- 21 pc taps, DIN352
- 1 pc adjustable handle tap wrench

Size of Taps	Thread size & pitch		
M3	M3(V)	M3(M)	M3(F)
M4	M4(V)	M4(M)	M4(F)
M5	M5(V)	M5(M)	M5(F)
M6	M6(V)	M6(M)	M6(F)
M8	M8(V)	M8(M)	M8(F)
M10	M10(V)	M10(M)	M10(F)
M12	M12(V)	M12(M)	M12(F)

* V=Coarse Tap, M=Middle Tap F=Fine Tap



Model No.314-9525

24 Pieces Set

Packed in metal case

Set includes one each:

- 11 pcs round dies
- 11 pcs taps
- 1 pc dies stock
- 1 pc tap wrench

Metric Set	
Description	Model No.
HSS Ground Thread	314-9424
Alloy Tool Steel	314-9724

Size of Dies & Taps	
M5x0.8	M10x1.5
M5x0.9	M10x1.25
M6x1	M12x1.5
M6x0.75	M12x1.75
M8x1	NPT1/8-27
M8x1.25	

ANSI Set	
Description	Model No.
HSS Ground Thread	314-9424
Alloy Tool Steel	314-9724

Size of Dies & Taps	
1/4-20UNC	7/16-14UNC
1/4-28UNF	7/16-20UNF
5/16-18UNC	1/2-13UNC
5/16-24UNF	1/2-20UNF
3/8-16UNC	1/8-27NPT
3/8-24UNF	



28 Pieces Metric Set

Packed in metal case

Description	Model No.
HSS Ground Thread	314-9428
Alloy Tool Steel	314-9478

Set includes one each:

- 8 pcs adjustable round dies
- 8 pcs taper taps
- 8 pcs plug taps(bottoming)
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc T-type wrench
- 1 pc screw pitch gauge

Size of Dies & Taps
M3x0.5
M3.5x0.6
M4x0.7
M5x0.8
M6x1.0
M8x1.25
M10x1.5
M12x1.75



28 Pieces Metric Set, DIN352/DIN338

Packed in metal case

Set includes one each:

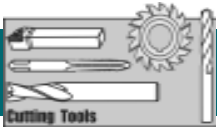
- 21 pcs taps, DIN352
- 7 pcs drills, DIN338



Model No.314-9528

Size of Taps	Thread size & pitch			Sizes of Drills
M3	M3(V)	M3(M)	M3(F)	φ2.5
M4	M4(V)	M4(M)	M4(F)	φ3.3
M5	M5(V)	M5(M)	M5(F)	φ4.2
M6	M6(V)	M6(M)	M6(F)	φ5
M8	M8(V)	M8(M)	M8(F)	φ6.8
M10	M10(V)	M10(M)	M10(F)	φ8.5
M12	M12(V)	M12(M)	M12(F)	φ10.2

* V=Coarse Tap, M=Middle Tap F=Fine Tap



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TAP AND DIE SETS

29 Pieces Metric Set, DIN Standard

Packed in metal case

Set includes one each:

- 1 pc adjustable handle tap wrench
- 21 pcs taps
- 7 pcs drills

Descriptions	Metal Box
H.S.S Ground Thread	Model No.314-9529

Size of Drills	Thread size & pitch			Size of Drills
M3	M3(V)	M3(M)	M3(F)	ø2.5
M4	M4(V)	M4(M)	M4(F)	ø3.3
M5	M5(V)	M5(M)	M5(F)	ø4.2
M6	M6(V)	M6(M)	M6(F)	ø5
M8	M8(V)	M8(M)	M8(F)	ø6.8
M10	M10(V)	M10(M)	M10(F)	ø8.5
M12	M12(V)	M12(M)	M12(F)	ø10.2

* V=Coarse Tap, M=Middle Tap F=Fine Tap



31 Pieces Mini Metric Set

Packed in plastic case

Set includes one each:

- Each 2 pcs taps M1,M1.1,M1.2,M1.4,M1.6, M1.8,M2,M2.2,M2.5
- Each 1 pc dies,sizes same as above
- 1 pc dies stock
- 1 pc dies lining
- 2 pcs tap lining

Model No.314-9730



31 Pieces Metric Set,HSS DIN Standard

Packed in plastic case

Set includes one each:

- 7 pcs round dies
- 21 pc taps,DIN352
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver

Size of Taps	Thread size & pitch		
M3	M3(V)	M3(M)	M3(F)
M4	M4(V)	M4(M)	M4(F)
M5	M5(V)	M5(M)	M5(F)
M6	M6(V)	M6(M)	M6(F)
M8	M8(V)	M8(M)	M8(F)
M10	M10(V)	M10(M)	M10(F)
M12	M12(V)	M12(M)	M12(F)

* V=Coarse Tap, M=Middle Tap F=Fine Tap



Model No.314-9431

32Piece Metric Set,DIN Standard

Packed in metal case

Set includes one each:

- 21 pcs taps
- 7 pcs round dies
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw pitch gauge
- 1 pc screw driver

Descriptions	In Plastic Case	In Metal Case
H.S.S Ground Thread	Model No.314-9532	Model No.314-9533
Alloy Tool Steel	Model No.314-9632	Model No. 314-9633

Size of taps & Dies	Thread size & pitch		
M3	M3(V)	M3(M)	M3(F)
M4	M4(V)	M4(M)	M4(F)
M5	M5(V)	M5(M)	M5(F)
M6	M6(V)	M6(M)	M6(F)
M8	M8(V)	M8(M)	M8(F)
M10	M10(V)	M10(M)	M10(F)
M12	M12(V)	M12(M)	M12(F)

* V=Coarse Tap, M=Middle Tap F=Fine Tap



In Plastic Case

In Metal Case

33 Pieces Set

Packed in metal case

Descriptions	Model No.
HSS Ground Thread	314-9433
Alloy Tool Steel	314-9733

Set includes one each:

- 14 pcs round dies
- 14 pc taps
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw pitch gauge
- 1 pc screw driver
- 1 pc T-type wrench

Size of Dies & Taps	
M3	1/4-28UNF
M4	5/16-24UNF
M5	3/8-24UNF
M6	7/16-20UNF
M8	1/2-20UNF
M10	1/8-27NPT
m12	1/4-18NPT



33 Pieces Metric Set,HSS DIN Standard

Packed in plastic case

Set includes one each:

- 7 pcs round dies
- 21 pcs taps,DIN352
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 1 pc screw pitch gauge
- 1 pc ratchet wheel wrench

Size of Taps	Thread size & pitch		
M3	M3(V)	M3(M)	M3(F)
M4	M4(V)	M4(M)	M4(F)
M5	M5(V)	M5(M)	M5(F)
M6	M6(V)	M6(M)	M6(F)
M8	M8(V)	M8(M)	M8(F)
M10	M10(V)	M10(M)	M10(F)
M12	M12(V)	M12(M)	M12(F)

* V=Coarse Tap, M=Middle Tap F=Fine Tap



39 Pieces Set

Packed in metal or plastic case

Set includes one each:

- 17 pcs round dies
- 17 pcs taps
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 1 pc T-type wrench
- 1 pc screw pitch gauge

Descriptions	In metal case	In plastic case
	Model No.	Model No.
HSS Ground Thread	314-9440	314-9542
Alloy Tool Steel	314-9740	314-9642

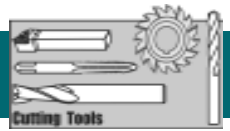
Size of Dies & Taps	
M3x0.5	M7x0.75
M3x0.6	M8x1
M4x0.7	M8x1.25
M4x0.75	M10x1.5
M5x0.8	M10x1.25
M5x0.9	M12x1.5
M6x1	M12x1.75
M6x0.75	NPT1/8-27
M7x1	



In metal case

In plastic case

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40 Pieces Metric Set

Packed in plastic case

Set includes one each:

- 17 pcs taps
- 17 pcs round dies
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 2 pcs T-type wrench
- 1 pc screw pitch gauge

TAP AND DIE SETS

Size of Dies & Taps	
M3x0.5	M7x0.75
M3x0.6	M8x1
M4x0.7	M8x1.25
M4x0.75	M10x1.5
M5x0.8	M10x1.25
M5x0.9	M12x1.5
M6x1	M12x1.75
M6x0.75	NPT1/8-27
M7x1	



Descriptions	Model No.
HSS Ground Thread	314-9549
Alloy Tool Steel	314-9649

44 Pieces Metric Set, HSS DIN Standard

Packed in plastic case

Set includes one each:

- 7pcs DIN338 twist drills: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.2mm
- 21pcs DIN352 hand taps: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75 each 3 pcs
- 7pcs DIN223 round dies: M3, M4, M5, M6, M8, M10, M12
- 5pcs DIN225 die stocks: 20x5mm, 20x7mm, 25x9mm, 30x11mm, 38x14mm
- 2pcs DIN1814 tap wrenches: No.1, No.2
- 1pc screw pitch gage and 1pc screw driver



Model No.314-9550

44 Pieces Metric Set, HSS DIN Standard

Packed in variety of metal case



Model No.314-9553



Model No.314-9554



Model No.314-9555

Set includes one each:

- 21 pcs taps, DIN352
- 7 pcs round dies
- 7 pcs drills
- 5 pcs dies stock
- 2 pcs tap wrench
- 1 pc screw driver
- 1 pc screw pitch gauge

Size of Taps & Dies	Thread size & pitch			Size of drills
M3	M3(V)	M3(M)	M3(F)	φ2.5
M4	M4(V)	M4(M)	M4(F)	φ3.3
M5	M5(V)	M5(M)	M5(F)	φ4.2
M6	M6(V)	M6(M)	M6(F)	φ5
M8	M8(V)	M8(M)	M8(F)	φ6.8
M10	M10(V)	M10(M)	M10(F)	φ8.5
M12	M12(V)	M12(M)	M12(F)	φ10.2

* V=Coarse Tap, M=Middle Tap F=Fine Tap

45 Pieces Set

Packed in metal or plastic box

Set includes one each:

- 21 pcs round dies
- 20 pcs taps
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 1 pc T-type wrench
- 1 pc lining



Metric

Size of Taps & Dies	
M6x1	M16x2
M6x0.75	M16x1.5
M8x1.25	M18x2.5
M8x1	M18x1.5
M10x1.5	M20x2.5
M10x1.25	M20x1.5
M12x1.75	M22x2.5
M12x1.5	M22x1.5
M14x2	M24x3
M14x1.5	M24x1.5

Inch

Size of Taps & Dies	
1/4-20NC	1/4-18NF
5/16-18NC	5/16-24NF
3/8-16NC	3/8-24NF
7/16-14NC	7/16-20NF
1/2-13NC	1/2-20NF
9/16-12NC	9/16-18NF
5/8-11NC	5/8-18NF
3/4-10NC	3/4-16NF
7/8-9NC	7/8-14NF
1-8NC	1-14NS

Description	Metric		Inch	
	In plastic case	In metal case	In plastic case	In metal case
H.S.S.Ground Thread	314-9547	314-9548	314-9545	314-9561
Alloy Tool Steel	314-9647	314-9648	314-9660	314-9661

54 Pieces Metric Set, HSS DIN Standard

Packed in metal case

Set includes one each:

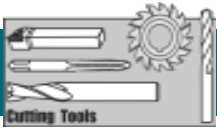
- 11 pcs round dies
- 33 pcs taps
- 6 pcs dies stock
- 2 pcs tap wrench
- 1 pc screw driver
- 1 pc screw pitch gauge



Model No.314-9454

Size of Taps	Thread size & pitch		
M3	M3(V)	M3(M)	M3(M)
M4	M4(V)	M4(M)	M4(M)
M5	M5(V)	M5(M)	M5(M)
M6	M6(V)	M6(M)	M6(M)
M8	M8(V)	M8(M)	M8(M)
M10	M10(V)	M10(M)	M10(M)
M12	M12(V)	M12(M)	M12(M)
M14	M14(V)	M14(M)	M14(M)
M16	M16(V)	M16(M)	M16(M)
M18	M18(V)	M18(M)	M18(M)
M20	M20(V)	M20(M)	M20(M)

* V=Coarse Tap, M=Middle Tap F=Fine Tap



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56 Pieces Metric Set, HSS DIN Standard

Packed in metal case

Set includes one each:

- 11 pcs round dies
- 33 pcs taps
- 6 pcs dies stock
- 2 pcs tap wrench
- 2 pcs ratchet wheel wrench
- 1 pc screw driver
- 1 pc screw pitch gauge



Model No.314-9456

Size of Taps	Thread size & pitch		
M3	M3(V)	M3(M)	M3(M)
M4	M4(V)	M4(M)	M4(M)
M5	M5(V)	M5(M)	M5(M)
M6	M6(V)	M6(M)	M6(M)
M8	M8(V)	M8(M)	M8(M)
M10	M10(V)	M10(M)	M10(M)
M12	M12(V)	M12(M)	M12(M)
M14	M14(V)	M14(M)	M14(M)
M16	M16(V)	M16(M)	M16(M)
M18	M18(V)	M18(M)	M18(M)
M20	M20(V)	M20(M)	M20(M)

* V=Coarse Tap, M=Middle Tap F=Fine Tap

Set includes one each:

- 18 pcs round dies
- 17 pcs taper taps
- 17 pcs plug taps (bottoming)
- 1 pc 1/8 BSP tap
- 1 pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 1 pc T-type wrench
- 1 pc screw pitch gauge

58 Pieces Set

Packed in metal case



Description	Model No.
HSS Ground Thread	314-9458
Alloy Tool Steel	314-9758

Size of Dies & Taps	
M2x0.25	M6x1
M3x0.5	M6x0.75
M3x0.35	M8x1.25
M3.5x0.6	M8x1.25
M4x0.7	M10x1.5
M4x0.5	M10x1.25
M4.5x0.75	M12x1.75
M5x0.8	M12x1.25
M5x0.5	1/8BSP

60 Pieces Metric and Inch Set

Packed in metal or plastic case

Set includes one each:

- 27 pcs taps
- 27 pcs round dies
- 1pc dies stock
- 1 pc tap wrench
- 1 pc screw driver
- 1 pc T-type wrench
- 2 pcs screw pitch gauge



Descriptions	In Plastic Box	In Metal Box
H.S.S.(Ground Thread)	Model No.314-9560	Model No.314-9561
Carbon Steel	Model No.314-9660	Model No.314-9666

Size of Inch	Size of Inch	Size
1/4-20NC	1/4-18NF	M3x.5
5/16-18NC	5/16-24NF	M4x.7
3/8-16NC	3/8-24NF	M5x.8
7/16-14NC	7/16-20NF	M6x1.0
1/2-13NC	1/2-20NF	M7x1.0
4-40NC	10-32NF	M8x1.25
6-32NC	1/8-27 NPT	M9x1.25
8-32NC		M10x1.5
10-24NC		M10x1.0
12-24NC		M12x1.75

110 Pieces Metric Set

Packed in wooden case

Set includes one each:

- 35 pcs round dies
- 70 pcs taps
- 2 pcs dies stock
- 2 pcs tap wrench
- 1 pc T-type wrench



Description	Model No.
HSS Ground Thread	314-9590
Alloy Tool Steel	314-9690

Size of Taps & Dies			
M2x0.4	M8x1	M11x0.75	M14x1
M3x0.5	M8x1.25	M11x1	M14x1.25
M4x0.7	M9x0.75	M11x1.25	M14x1.5
M5x0.8	M9x1	M11x1.5	M14x2
M6x0.75	M9x1.25	M12x0.75	M16x1
M6x1	M10x0.75	M12x1	M16x1.5
M7x0.75	M10x1	M12x1.25	M16x2
M7x1	M10x1.25	M12x1.5	M18x1.5
M8x0.75	M10x1.5	M12x1.75	

110 Pieces Metric Set

Packed in wooden case

Set includes one each:

- 35 pcs round dies
- 35 pcs taper taps
- 35 pcs bottom taps
- 2 pcs dies stock
- 2 pcs tap wrench
- 1 pc T-type wrench



Description	Model No.
HSS Ground Thread	314-9596
Alloy Tool Steel	314-9696

Size of Taps & Dies		
4-40UNC	7/16-14UNC	1/8-27NPT
6-32UNC	7/16-20UNF	1/4-18NPT
8-32UNC	1/2-13UNC	
10-24UNC	1/2-20UNF	M6x1
10-32UNF	9/16-12UNC	M8x1.25
12-24UNC	9/16-18UNF	M10x1.5
1/4-20UNC	5/8-11UNC	M10x1.5
1/4-28UNF	5/8-18UNF	M11x1.5
5/16-18UNC	3/4-10UNC	M12x1.5
5/16-24UNF	3/4-16UNF	M12x1.75
3/8-16UNC	1/4-24NS	M14x1.25
3/8-24UNF	1/4-32NS	M18x1.5