

**Die Styles**

**Hexagon Dies**



**5/8", 1", 1-7/16" & 1-13/16" Across Hex Flats**

- Best suited to maintenance and repair work
- Recommended for use with hexagonal die stock handles
- In area with limited space, die can be used with a wrench or socket

**Adjustable Round Dies**



**1", 1-1/2", 2" & 3" Overall Diameter**

- Adjustable dies allow the user to under or over cut their threads
- Ideal for a precision threading with the adjustment of die made by set screw
- Fits into adjustable guide or plain die stock handles
- Meets Federal Specifications GGG-D-296

**Solid Round Dies**



**1" & 1-1/2" Overall Diameter**

- Ideal for general purpose threading
- Fits into adjustable guide or plain die stock handles

**Tap & Die Description Guide**

**10-24 NC**

**Fastener Diameter**

10 - Machine screw size  
5/8" - Fractional  
8 mm - Metric

**Thread Pitch**

Threads per inch (machine & fractional)  
Distance between threads (metric)

**Thread Type**

NC = National Coarse (USS)  
  
NF = National Fine (SAE)  
  
NS = National Special  
  
NEF = National Extra Fine  
NPT = National Pipe Taper  
BSP = British Standard Pipe

**Applications**

General purpose machines and appliances  
  
Automotive parts requiring extreme pressures  
  
Special threads – either diameter or threads per inch  
  
For optical or thin wall parts  
  
For all pipe threads  
  
For all pipe threads

(no thread symbol required for metric fasteners)

**Machine Screw Reference Guide**

Before cutting a thread you must know the rod diameter.

Use the chart to determine the appropriate machine screw size:

Machine Screw	Rod Diameter
#0	.060"
#1	.073"
#2	.086"
#3	.099"
#4	.112"
#5	.125"
#6	.138"

Machine Screw	Rod Diameter
#7	.151"
#8	.164"
#9	.179"
#10	.190"
#12	.216"
#14	.242"

**HANSON® Hexagon Metric Dies (HCS)**



6638



6949



8569

- Ideal for automotive repair and machinery where metric threads are specified

**HANSON Round Machine Screw Dies (HCS)**



3718



3028

- Solid round dies ideal for general purpose threading
- Adjustable round dies ideal for precision threading

Description	1" Across Flat Carded Stock #	1" Across Flat Bulk Stock #	1-7/16" Across Flat Bulk Stock #	1-13/16" Across Flat Bulk Stock #
3 mm - 0.50	9712	6612	—	—
3 mm - 0.60	—	6613	—	—
4 mm - 0.70	9717	6617	—	—
4 mm - 0.75	9718	6618	—	—
5 mm - 0.80	9722	6622	—	—
5 mm - 0.90	9723	6623	—	—
6 mm - 1.00	9727	6627	—	—
6.3 mm - 1.00	—	6629	—	—
7 mm - 1.00	9731	6631	—	—
8 mm - 1.00	9733	6633	—	—
8 mm - 1.25	9734	6634	—	—
9 mm - 0.75	9735	6635	—	—
9 mm - 1.00	9736	6636	—	—
9 mm - 1.25	9737	6637	—	—
10 mm - 1.00	9738	6638	—	—
10 mm - 1.25	9739	6639	—	—
10 mm - 1.50	9740	6640	—	—
11 mm - 1.50	9741	6641	—	—
12 mm - 1.25	9742	6642	—	—
12 mm - 1.50	9743	6643	—	—
12 mm - 1.75	9744	6644	—	—
14 mm - 1.25	—	—	6949	—
14 mm - 1.50	—	—	6950	—
14 mm - 2.00	—	—	6952	—
16 mm - 1.00	—	—	6954	—
16 mm - 1.50	—	—	6955	—
16 mm - 2.00	—	—	6956	—
18 mm - 1.50	—	—	6959	—
18 mm - 2.50	—	—	6961	—
20 mm - 2.50	—	—	—	8564
22 mm - 1.50	—	—	—	8565
24 mm - 2.00	—	—	—	8568
24 mm - 3.00	—	—	—	8569

TAPS & DIES

Description	1" Overall Diam. Screw Adj. Bulk Stock #	1" Overall Diam. Solid Bulk Stock #
4 - 40 NC	3712	—
4 - 48 NF	3713	—
5 - 40 NC	3716	—
5 - 44 NF	3717	—
6 - 32 NC	3718	—
6 - 36 NS	3719	—
6 - 40 NF	3720	—
6 - 48 NS	3721	—
8 - 32 NC	3724	—
8 - 36 NF	3725	—
8 - 40 NS	3726	—
10 - 24 NC	3728	3028
10 - 32 NF	3731	—
12 - 24 NC	3732	—
12 - 28 NF	3733	—
14 - 20 NS	3735	—

**HANSON® 66-pc Metric Tap & Hex Die Set**



97312

<b>Set Contents</b>		<b>Stock # 97312</b>
<b>Thread Size Metric</b>	<b>Tap Stock # Plug Style</b>	<b>Die Stock # 5/8" Hexagon</b>
3 mm - 0.50	1712	6312
4 mm - 0.70	1717	6317
4 mm - 0.75	1718	6318
5 mm - 0.80	1722	6322
5 mm - 0.90	1723	6323
6 mm - 1.00	1727	6327
<b>1" Hexagon</b>		
7 mm - 1.00	1731	6631
8 mm - 1.00	1733	6633
8 mm - 1.25	1734	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740	6640
11 mm - 1.50	1741	6641
12 mm - 1.50	1743	6643
12 mm - 1.75	1744	6644
<b>1-7/16" Hexagon</b>		
14 mm - 1.25	2449	6949
14 mm - 1.50	1750	6950
14 mm - 2.00	1752	6952
16 mm - 1.50	1755	6955
16 mm - 2.00	1756	6956
18 mm - 1.50	1759	6959
18 mm - 2.50	1761	6961
<b>1-13/16" Hexagon</b>		
20 mm - 2.50	1764	8564
22 mm - 1.50	1765	8565
24 mm - 2.00	1768	8568
24 mm - 3.00	1769	8569
<b>1" Hexagon</b>		
<b>Pipe</b>		
1/8" - 28 BSP	1911	6711
<b>Threading Tools</b>		<b>Stock #</b>
Adj. Die Stock - 1" Dies		11026
Adj. Die Stock - 1-7/16" Hexagon Dies		12436
Adj. Die Stock - 1-3/16" Hexagon Dies		12446
Plain Die Stock - 5/8" Hexagon Dies		12457
T-Handle Wrench - Taps No. 0 to 1/4"		12473
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
Two-in-One Tap Wrench - Taps 1/4" to 1/2"		12450
16 Leaf Metric Thread Pitch Gauge		11016

TAPS & DIES

# TAPS & DIES

## HIGH CARBON STEEL COMBINATION SETS

### HANSON® 53-pc Machine Screw/Fractional Tap & Hex Die Set



24640

Set Contents		Stock # 24640
Thread Size	Tap Stock #	Die Stock #
Machine Screw	Plug Style	1" Hexagon
6 - 32 NC	1118	6418
8 - 32 NC	1124	6424
10 - 24 NC	1128	6428
10 - 32 NF	1131	6431
12 - 24 NC	1132	6432
<b>Fractional</b>		
1/4" - 20 NC	1420	6520
1/4" - 28 NF	1423	6523
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429	6529
3/8" - 16 NC	1434	6534
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444	6544
1/2" - 20 NF	1445	6545
<b>1-7/16" Hexagon</b>		
9/16" - 12 NC	1448	6848
9/16" - 18 NF	1449	6849
5/8" - 11 NC	1452	6852
5/8" - 18 NF	1454	6854
3/4" - 10 NC	1458	6858
3/4" - 16 NF	1460	6860
<b>Pipe</b>		
1/8" - 27 NPT Pipe	1902	6072
1/4" - 18 NPT Pipe	1903	6703
<b>Threading Tools</b>		Stock #
Adj. Die Stock - 1" Dies		11026
Adj. Die Stock - 1-7/16" Hexagon Dies		12436
T-Handle Wrench - Taps No. 0 to 1/4"		12473
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
18 Leaf Standard Thread Pitch Gauge		11018

TAPS & DIES

### HANSON 53-pc Metric Tap & Hex Die Set



26394

Set Contents		Stock # 26394
Thread Size	Tap Stock #	Die Stock #
Metric Screw	Plug Style	1" Hexagon
3 mm - 0.50	1712	6612
4 mm - 0.70	1717	6617
4 mm - 0.75	1718	6618
5 mm - 0.80	1722	6622
5 mm - 0.90	1723	6623
6 mm - 1.00	1727	6627
7 mm - 1.00	1731	6631
8 mm - 1.25	1734	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740	6640
11 mm - 1.50	1741	6641
12 mm - 1.50	1743	6643
12 mm - 1.75	1744	6644
<b>1-7/16" Hexagon</b>		
14 mm - 1.25	1749	6949
14 mm - 2.00	1752	6952
16 mm - 1.50	1755	6955
16 mm - 2.00	1756	6956
18 mm - 1.50	1759	6959
18 mm - 2.50	1761	6961
<b>Pipe</b>		
1/8" - 28 BSP	1911	6711
1/4" - 19 BSP	1912	6712
<b>Threading Tools</b>		Stock #
Adj. Die Stock - 1" Dies		11026
Adj. Die Stock - Hexagon Dies		12436
T-Handle Wrench - Taps No. 0 to 1/4"		12473
T-Handle Wrench - Taps No. 0 to 1/2"		311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
16 Leaf Metric Thread Pitch Gauge		11016
Empty Plastic Case		26394MT