

# ***Taps, Dies and Screw Extractors***



# HANSON® TAPS

## Material Types

- High Carbon Steel for hand tapping applications
- High Speed Steel for machine tapping where critical dimensions are required

## Point Styles

- Taper, plug, and bottoming styles are available

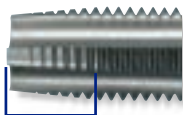


## Etched

- Tap size and recommended drill bit size are etched on each tool for easy identification
- All HANSON® Taps and Dies are made in the USA

## Precision Ground Flutes

## POINT STYLE



8-10  
Threads

### Taper Taps

- 8 to 10 threads chamfered for easy starting
- Longest standard chamfer
- Requires less tapping torque since they have more working teeth
- Ideal for tough threading work



3-5  
Threads

### Plug Taps

- 3 to 5 threads chamfered
- Most common chamfer
- Ideal for all general-purpose threading



1 - 1-1/2  
Threads

### Bottoming Taps

- 1 to 1-1/2 threads chamfered
- Shortest and least efficient standard chamfer
- Ideal for threading close to the bottom of blind holes

## Thread Type

- The size of a Tap is indicated by two numbers and two or three letters. The first number represents the diameter of the screw or bolt, the second number is the number of threads per inch. Eg. A 1/4-20 NC tap is 1/4 inch in outside diameter and is cut 20 threads per inch. The letters indicate the thread type.

Symbol	Meaning	Used on
NC (USS)	National Coarse	General purpose machines and appliances
NF (SAE)	National Fine	Automotive parts requiring extreme pressures
NS	National Special	Special threads - either diameter or threads per inch
NEF	National Extra Fine	For optical or thin wall parts
NPT	National Pipe Taper	For all pipe threads
BSP	British Standard Pipe	For all pipe threads



# HANSON® TAPS

## High Carbon Steel Machine Screw Taps

- Ideal for routine maintenance, repair work and for re-threading where high accuracy and tolerance thread is not critical
- Straight flutes are ground to provide rapid chip removal for efficient threading
- Designed for hand threading work in a variety of materials
- Taps produce a class 2B thread



### Taper Taps

- 8 to 10 threads chamfered - easy starting



### Plug Taps

- 3 to 5 threads chamfered - general purpose threading



### Bottoming Taps

- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole



- Three piece set includes; one taper, one plug and one bottoming style tap
- Durable vinyl pouch protects taps

Description	No. of Flutes	3-Piece Sets Pouched Stock #	Plug Carded Stock #	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
0 - 80 NF	2	2502	-	1002	1102	1202
1 - 64 NC	2	2504	-	1004	1104	1204
1 - 72 NF	2	2505	-	1005	1105	1205
2 - 56 NC	3	2506	-	1006	1106	1206
2 - 64 NF	3	2507	-	1007	1107	1207
3 - 48 NC	3	2508	-	1008	1108	1208
3 - 56 NF	3	2509	-	1009	1109	1209
4 - 36 NS	3	2511	8011	1011	1111	1211
4 - 40 NC	3	2512	8012	1012	1112	1212
4 - 48 NF	3	2513	-	1013	1113	1213
5 - 40 NC	3	2516	-	1016	1116	1216
5 - 44 NF	3	2517	-	1017	1117	1217
6 - 32 NC	3	2518	8018	1018	1118	1218
6 - 36 NS	3	2519	-	1019	1119	1219
6 - 40 NF	3	2520	-	1020	1120	1220
6 - 48 NS	3	2521	-	1021	1121	1221
8 - 32 NC	4	2524	8024	1024	1124	1224
8 - 36 NF	4	2525	-	1025	1125	1225
8 - 40 NS	4	2526	-	1026	1126	1226
10 - 24 NC	4	2528	8028	1028	1128	1228
10 - 32 NF	4	2531	8031	1031	1131	1231
12 - 24 NC	4	2532	8032	1032	1132	1232
12 - 28 NF	4	2533	-	1033	1133	1233
12 - 32 NEF	4	2534	-	1034	1134	1234
14 - 20 NS	4	2535	8035	1035	1135	1235
14 - 24 NS	4	2536	-	1036	1136	1236

# HANSON® TAPS

## High Carbon Steel Fractional Taps



### Taper Taps

- 8 to 10 threads chamfered - easy starting



### Plug Taps

- 3 to 5 threads chamfered - general purpose threading



### Bottoming Taps

- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole



- Three piece set includes; one taper, one plug and one bottoming style tap
- Durable vinyl pouch protects taps

Description	No. of Flutes	3-Piece Sets Pouched Stock #	Plug Carded Stock #	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
1/8" - 40 NS	3	2606	-	1306	1406	1506
3/16" - 24 NS	4	2612	-	1312	1412	1512
3/16" - 32 NS	4	2613	-	1313	1413	1513
1/4" - 20 NC	4	2620	8120	1320	1420	1520
1/4" - 24 NS	4	2621	-	1321	1421	1521
1/4" - 28 NF	4	2623	8123	1323	1423	1523
1/4" - 32 NEF	4	2624	-	1324	1424	1524
1/4" - 40 NS	4	2625	-	1325	1425	1525
5/16" - 18 NC	4	2627	8127	1327	1427	1527
5/16" - 24 NF	4	2629	8129	1329	1429	1529
5/16" - 32 NEF	4	2631	-	1331	1431	1531
3/8" - 16 NC	4	2634	8134	1334	1434	1534
3/8" - 24 NF	4	2636	8136	1336	1436	1536
7/16" - 14 NC	4	2639	8139	1339	1439	1539
7/16" - 20 NF	4	2640	8140	1340	1440	1540
1/2" - 13 NC	4	2644	8144	1344	1444	1544
1/2" - 20 NF	4	2645	8145	1345	1445	1545
1/2" - 24 NS	4	2646	-	1346	1446	1546
9/16" - 12 NC	4	2648	8148	1348	1448	1548
9/16" - 18 NF	4	2649	8149	1349	1449	1549
5/8" - 11 NC	4	2652	8152	1352	1452	1552
5/8" - 18 NF	4	2654	8154	1354	1454	1554
11/16" - 11 NS	4	2656	-	1356	1456	1556
11/16" - 16 NS	4	2657	-	1357	1457	1557
3/4" - 10 NC	4	2658	8158	1358	1458	1558
3/4" - 16 NF	4	2660	8160	1360	1460	1560
7/8" - 9 NC	4	2661	-	1361	1461	1561
7/8" - 14 NF	4	2663	-	1363	1463	1563
1" - 8 NC	4	2665	-	1365	1465	1565
1" - 12 NF	4	2666	-	1366	1466	1566
1" - 14 NS	4	2667	-	1367	1467	1567



## High Carbon Steel Metric Thread Taps

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



2738

- Three piece set includes; one taper, one plug and one bottoming style tap
- Durable vinyl pouch protects taps

Description	No. of Flutes	3-Piece Sets Pouched Stock #	Plug Carded Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
3 mm - 0.50	3	2712	8312	1712	1812
3 mm - 0.60	3	-	-	1713	-
4 mm - 0.70	4	2717	8317	1717	1817
4 mm - 0.75	4	2718	8318	1718	1818
5 mm - 0.80	4	2722	8322	1722	1822
5 mm - 0.90	4	2723	8323	1723	1823
6 mm - 1.00	4	2727	8327	1727	1827
6.3 mm - 1.00	4	2729	-	1729	1829
7 mm - 1.00	4	2731	8331	1731	1831
8 mm - 1.00	4	2733	8333	1733	1833
8 mm - 1.25	4	2734	8334	1734	1834
9 mm - 0.75	4	-	8335	1735	-
9 mm - 1.00	4	-	8336	1736	-
9 mm - 1.25	4	2737	8337	1737	1837
10 mm - 1.00	4	2738	8338	1738	1838
10 mm - 1.25	4	2739	8339	1739	1839
10 mm - 1.50	4	2740	8340	1740	1840
11 mm - 1.50	4	-	8341	1741	1841
12 mm - 1.25	4	2742	8342	1742	1842
12 mm - 1.50	4	2743	8343	1743	-
12 mm - 1.75	4	2744	8344	1744	1844
14 mm - 1.25	4	2749	-	1749	1849
14 mm - 1.50	4	2750	-	1750	-
14 mm - 2.00	4	2752	-	1752	1852
16 mm - 1.00	4	-	-	1754	-
16 mm - 1.50	4	2755	-	1755	1855
16 mm - 2.00	4	2756	-	1756	1856
18 mm - 1.50	4	2759	-	1759	1859
18 mm - 2.50	4	2761	-	1761	1861
20 mm - 2.50	4	2764	-	1764	1864
22 mm - 1.50	4	2765	-	1765	1865
24 mm - 2.00	4	2768	-	1768	1868
24 mm - 3.00	4	2769	-	1769	1869

# HANSON® TAPS

## High Carbon Steel Taper Pipe Taps

- Cuts internal threads in pipes
- Nominal size of the tap is that of the pipe fitting being tapped
- Available in National Pipe Taper (NPT) and British Standard Pipe Taper (BSP)
- Ideal for pipe fittings
- Tapered at a rate of 3/4" per foot



1903

Description	No. of Flutes	Carded Stock #	Bulk Stock #
1/8" - 27 NPT	4	8202	1902
1/4" - 18 NPT	4	8203	1903
3/8" - 18 NPT	4	-	1904
1/2" - 14 NPT	4	-	1905
3/4" - 14 NPT	5	-	1906
1" - 11-1/2 NPT	5	-	1907
1-1/4" - 11-1/2 NPT	5	-	1908
1-1/2" - 11-1/2 NPT	6	-	1909
2" - 11-1/2 NPT	6	-	1910
1/8" - 28 BSP	4	-	1911
1/4" - 19 BSP	4	-	1912

## High Carbon Steel Taper Pipe Tap Set

- Wooden storage case
- Ideal for pipe fittings



1921

Description	Contents	Stock #
6 pc Set	NPT Taper Pipe Taps	1921
	<u>Thread Size</u>	<u>Tap Stock #</u>
	1/8" - 27 NPT	1902
	1/4" - 18 NPT	1903
	3/8" - 18 NPT	1904
	1/2" - 14 NPT	1905
	3/4" - 14 NPT	1906
	1" - 11-1/2 NPT	1907

Empty Wooden Case for 1921

1921MT

## High Carbon Steel Spark Plug Taps

- Available in standard and Metric threads
- Ideal for threading or re-threading spark plug holes



2459

Description	No. of Flutes	Bulk Stock #
7/8" - 18 NS	4	2364
10 mm - 1.00	4	2438
12 mm - 1.25	4	1742
14 mm - 1.25	4	2449
18 mm - 1.50	4	2459

# HANSON® TAPS

## High Carbon Steel Spark Plug Tap Sets



25974

- Wooden storage case
- Ideal for threading or re-threading spark plug holes

Description	Contents	Stock #
5 pc Set	Spark Plug Tap Set	25974
	<u>Thread Size</u>	<u>Tap Stock #</u>
	10 mm - 1.00 mm	2438
	12 mm - 1.25 mm	1742
	14 mm - 1.25 mm	2449
	18 mm - 1.50 mm	2459
	Counterbore	12086
4 pc Set	Contents same as 25974 without the Counterbore	25978
	Empty Wooden Case for 25974 and 25978	25974MT



80185

## High Carbon Steel Tap and HSS Drill Bit Sets

- Carded sets with plastic storage cases
- These drill and tap combinations produce a thread that is strong, yet easy to tap
- 135° split point HSS drill bits ensure fast, precise drilling
- High carbon steel plug taps are ideal for general purpose threading

Description	Contents	Carded Stock #
13 pc Set	Lock and Hardware Drill and Tap Set	80185
	<u>Thread Size</u>	<u>Plug Tap Stock #</u>
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	12 - 24 NC	1132
	1/4" - 20 NC	1420
	<u>Drill Bit Size</u>	<u>Drill Bit Stock #</u>
	7/64"	30107
	No. 29	20129
	No. 25	20125
	No. 21	20121
	No. 16	20116
	13/64"	30113
	<u>Threading Tools</u>	<u>Stock #</u>
	T-Handle Tap Wrench	12401
13 pc Set	All-Purpose Drill and Tap Set	80187
	<u>Thread Size</u>	<u>Plug Tap Stock #</u>
	4 - 40 NC	1112
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	1/4" - 20 NC	1420
	<u>Drill Bit Size</u>	<u>Drill Bit Stock #</u>
	No. 43	20143
	No. 35	20135
	No. 29	20129
	No. 25	20125
	No. 21	20121
	No. 7	20107
	<u>Threading Tools</u>	<u>Stock #</u>
	T-Handle Tap Wrench	12401

# HANSON® TAPS

## High Carbon Steel Tap and HSS Drill Bit Sets

- Ideal for home and auto maintenance
- Durable vinyl storage pouch
- These drill and tap combinations produce a thread that is strong, yet easy to tap
- 135° split point HSS drill bits ensure fast, precise drilling
- High carbon steel plug taps are ideal for general purpose threading



2700

Description	Contents				Pouched Stock #
10 pc Set	Tap and Drill Set - NC Thread				2700
	Thread Size	Plug Tap Stock #	Drill Bit Size	Drill Bit Stock #	
	1/4" - 20 NC	1420	13/64"	30113	
	5/16" - 18 NC	1427	17/64"	30117	
	3/8" - 16 NC	1434	5/16"	30120	
	7/16" - 14 NC	1439	3/8"	30124	
	1/2" - 13 NC	1444	27/64"	30127	
10 pc Set	Tap and Drill Set - NF Thread				2701
	Thread Size	Plug Tap Stock #	Drill Bit Size	Drill Bit Stock #	
	1/4" - 28 NF	1423	7/32"	30114	
	5/16" - 24 NF	1429	Letter I	40109	
	3/8" - 24 NF	1436	21/64"	30121	
	7/16" - 20 NF	1440	25/64"	30125	
	1/2" - 20 NF	1445	29/64"	30129	

Taps, Dies and Screw Extractors

## High Carbon Steel Tap and HSS Drill Bit Combo Packs

- These drill and tap combinations produce a thread that is strong, yet easy to tap
- High speed steel drill bits ensure fast, precise drilling
- High carbon steel plug taps are ideal for general purpose threading



80230



80242

Description	Carded Stock #
4 - 40 NC Tap + No. 43 Drill	80209
6 - 32 NC Tap + 7/64" Drill	80213
8 - 32 NC Tap + No. 29 Drill	80217
10 - 24 NC Tap + No. 25 Drill	80220
10 - 32 NF Tap + No. 21 Drill	80221
12 - 24 NC Tap + No. 16 Drill	80222
1/4" - 20 NC Tap + 13/64" Drill	80230
1/4" - 28 NF Tap + No. 3 Drill	80232
5/16" - 18 NC Tap + Letter G Drill	80235
3/8" - 16 NC Tap + Letter O Drill	80238
1/2" - 13 NC Tap + 27/64" Drill	80242
1/4" - 18 NPT Tap + 7/16" Drill	80260



## High Speed Steel Cut Thread Machine Screw Taps

- Ideal for maintenance and repair work and for re-threading where tougher taps and longer tool life are required
- Straight fluted, hand taps
- Designed for more demanding hand threading work in most materials including stainless steels and alloy steels
- Taps produce a class 2B thread



400023

### Taper Taps

- 8 to 10 threads chamfered - easy starting



403025

### Plug Taps

- 3 to 5 threads chamfered - general purpose threading



406025

### Bottoming Taps

- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole

Description	No. of Flutes	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
3 - 48 NC	3	400007	403007	406007
3 - 56 NF	3	-	403008	-
4 - 40 NC	3	400009	403009	406009
4 - 36 NS	3	400010	403010	406010
4 - 48 NF	3	400012	403012	406012
5 - 40 NC	3	400013	403013	-
5 - 44 NF	3	400014	403014	-
6 - 32 NC	3	400015	403015	406015
6 - 40 NF	3	400016	403016	406016
6 - 48 NS	3	400017	403017	406017
8 - 32 NC	4	400019	403019	406019
8 - 36 NF	4	400020	403020	406020
8 - 40 NS	4	400021	403021	406021
10 - 24 NC	4	400022	403022	406022
10 - 32 NF	4	400023	403023	406023
12 - 24 NC	4	400025	403025	406025
12 - 28 NF	4	400026	403026	406026
14 - 20 NS	4	400028	403028	406028

# HANSON® TAPS

## High Speed Steel Cut Thread Fractional Taps

### Taper Taps

- 8 to 10 threads chamfered - easy starting



410022

### Plug Taps

- 3 to 5 threads chamfered - general purpose threading



413022

### Bottoming Taps

- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole



416022

Description	No. of Flutes	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
1/4" - 20 NC	4	410010	413010	416010
1/4" - 28 NF	4	410012	413012	416012
5/16" - 18 NC	4	410015	413015	416015
5/16" - 24 NF	4	410016	413016	416016
3/8" - 16 NC	4	410018	413018	416018
3/8" - 24 NF	4	410019	413019	416019
7/16" - 14 NC	4	410020	413020	416020
7/16" - 20 NF	4	410021	413021	416021
1/2" - 13 NC	4	410022	413022	416022
1/2" - 20 NF	4	410023	413023	416023
9/16" - 12 NC	4	410024	413024	416024
9/16" - 18 NF	4	410025	413025	416025
5/8" - 11 NC	4	410026	413026	416026
5/8" - 18 NF	4	410027	413027	416027
3/4" - 10 NC	4	410028	413028	416028
3/4" - 16 NF	4	410029	413029	416029

## High Speed Steel Cut Thread Taper Pipe Taps

- Cuts internal threads in pipes
- Nominal size of the tap is that of the pipe fitting being tapped
- Ideal for pipe fittings
- Tapered at a rate of 3/4" per foot



459002

Description	No. of Flutes	Bulk Stock #
1/8" - 27 NPT	4	459001
1/4" - 18 NPT	4	459002
3/8" - 18 NPT	4	459003
1/2" - 14 NPT	4	459004
3/4" - 14 NPT	5	459005
1" - 11-1/2 NPT	5	459006
1-1/4" - 11-1/2 NPT	5	459007
1-1/2" - 11-1/2 NPT	6	459008
2" - 11-1/2 NPT	6	459009

# HANSON® TAPS

## High Speed Steel Cut Thread Taper Pipe Tap Set



1924

- Wooden storage case
- Ideal for pipe fittings where a positive seal is required

Description	Contents	Stock #
6 pc Set	NPT Taper Pipe Set	1924
	<u>Thread Size</u>	<u>Tap Stock #</u>
	1/8" - 27 NPT	459001
	1/4" - 18 NPT	459002
	3/8" - 18 NPT	459003
	1/2" - 14 NPT	459004
	3/4" - 14 NPT	459005
	1" - 11-1/2 NPT	459006



- 300325 Taper Taps**
- 8 to 10 threads chamfered - easy starting



- 303325 Plug Taps**
- 3 to 5 threads chamfered - general purpose threading



- 306325 Bottoming Taps**
- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole

## High Speed Steel Ground Thread Machine Screw Taps

- Ideal for maintenance and repair work and for re-threading where tougher taps and longer tool life are required and precision threading is required (see H-limits as listed)
- Ground thread taps produce a tighter thread tolerance than cut thread taps
- Designed to .0005" pitch diameter tolerance
- Straight fluted, hand taps

Description	No. of Flutes	Pitch Diameter Limits	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
0 - 80 NF	2	H1	-	303101	306101
1 - 64 NC	2	H1	-	303102	-
1 - 72 NC	2	H1	-	303103	306103
2 - 56 NC	3	H2	-	303205	306205
2 - 64 NF	3	H2	-	303206	-
4 - 40 NC	3	H2	-	303209	306209
4 - 48 NF	3	H2	-	303212	-
5 - 40 NC	3	H2	-	303213	306213
5 - 44 NF	3	H2	-	303214	-
6 - 32 NC	3	H3	300315	303315	-
6 - 40 NF	3	H2	-	303216	306216
8 - 32 NC	4	H3	300319	303319	306319
8 - 36 NF	4	H2	-	303220	-
10 - 24 NC	4	H3	300322	303322	306322
10 - 32 NF	4	H3	300323	303323	306323
12 - 24 NC	4	H3	300325	303325	306325
12 - 28 NF	4	H3	300326	303326	306326

# HANSON® TAPS

## High Speed Steel Ground Thread Fractional Taps

### Taper Taps

- 8 to 10 threads chamfered - easy starting



310310

### Plug Taps

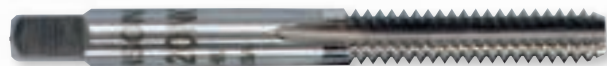
- 3 to 5 threads chamfered - general purpose threading



313310

### Bottoming Taps

- 1 to 1-1/2 threads chamfered - used when threads must go to bottom of a hole



316310

Description	No. of Flutes	Pitch Diameter Limits	Taper Bulk Stock #	Plug Bulk Stock #	Bottom Bulk Stock #
1/4" - 20 NC	4	H3	310310	313310	316310
1/4" - 28 NF	4	H3	310312	313312	316312
5/16" - 18 NC	4	H3	310315	313315	316315
5/16" - 24 NF	4	H3	310316	313316	316316
3/8" - 16 NC	4	H3	310318	313318	316318
3/8" - 24 NF	4	H3	310319	313319	316319
7/16" - 14 NC	4	H3	310320	313320	316320
7/16" - 20 NF	4	H3	310321	313321	316321
1/2" - 13 NC	4	H3	310322	313322	316322
1/2" - 20 NF	4	H3	310323	313323	316323
9/16" - 12 NC	4	H3	310325	313325	316325
9/16" - 18 NF	4	H3	310326	313326	316326
5/8" - 11 NC	4	H3	310327	313327	316327
5/8" - 18 NF	4	H3	310328	313328	316328
3/4" - 10 NC	4	H3	310331	313331	316331
3/4" - 16 NF	4	H3	310332	313332	316332
7/8" - 9 NC	4	H4	310433	313433	316433
7/8" - 14 NF	4	H4	310434	313434	316434
1" - 8 NC	4	H4	310435	313435	316435
1" - 12 NF	4	H4	310436	313436	316436
1" - 14 NS	4	H4	-	313437	316437
1-1/8" - 7 NC	4	H4	310438	313438	316438
1-1/8" - 12 NF	4	H4	310439	313439	316439
1-1/4" - 7 NC	4	H4	310440	313440	316440
1-1/4" - 12 NF	6	H4	310441	313441	316441
1-3/8" - 6 NC	4	H4	310442	-	-
1-3/8" - 12 NF	6	H4	310443	-	-
1-1/2" - 6 NC	4	H4	310444	-	316444
1-1/2" - 12 NF	6	H4	-	313445	-

# HANSON® TAPS



359003

## High Speed Steel Ground Thread Taper Pipe Taps

Description	No. of Flutes	Bulk Stock #
1/16" - 27 NPT	4	359010
1/8" - 27 NPT*	4	359001
1/4" - 18 NPT	4	359002
3/8" - 18 NPT	4	359003
1/2" - 14 NPT	4	359004
3/4" - 14 NPT	5	359005
1" - 11-1/2 NPT	5	359006

\*Taps with large shank (.437)

- Cuts internal threads in pipes
- Nominal size of the tap is that of the pipe fitting being tapped
- Ideal for pipe fittings
- Tapered at a rate of 3/4" per foot



2120

## High Speed Steel Ground Thread Left Hand Fractional Plug Taps

Description	No. of Flutes	Pitch Diameter Limits	Bulk Stock #
1/4" - 20 NC	4	H3	2120
1/4" - 28 NF	4	H3	2123
5/16" - 18 NC	4	H3	2127
5/16" - 24 NF	4	H3	2129
3/8" - 16 NC	4	H3	2134
3/8" - 24 NF	4	H3	2136
7/16" - 14 NC	4	H3	2139
7/16" - 20 NF	4	H3	2140
1/2" - 13 NC	4	H3	2144
1/2" - 20 NF	4	H3	2145
9/16" - 12 NC	4	H3	2148
9/16" - 18 NF	4	H3	2149
5/8" - 11 NC	4	H3	2152
5/8" - 18 NF	4	H3	2154
3/4" - 10 NC	4	H3	2158
3/4" - 16 NF	4	H3	2160

- Left hand taps cut threads with a left hand rotation
- Used in applications where left hand studs or fasteners are required



# HANSON® TAPS

## High Speed Steel Ground Thread Spiral Point\* (Gun Taps) Chip Driver Machine Screw/Fractional Taps



323325

- Engineered specifically for tapping of “through” holes
- Designed to .0005-inches pitch tolerance
- Commonly referred to as gun taps
- Cuts with a shearing action that shoots the chips ahead of the tap, producing a cleaner thread
- Recommended for production use in machine tools
- Ideal for thin materials

Description	No. of Flutes	Pitch Diameter Limits	Bulk Stock #
6 - 32 NC	2	H3	323315
8 - 32 NC	2	H3	323319
10 - 24 NC	2	H3	323322
10 - 32 NF	2	H3	323323
12 - 24 NC	2	H3	323325
14 - 20 NS	2	H3	323328
1/4" - 20 NC	3	H3	333310
1/4" - 28 NF	2	H3	333312
5/16" - 18 NC	2	H3	333315
3/8" - 16 NC	3	H3	333318
7/16" - 14 NC	3	H3	333320
7/16" - 20 NF	3	H3	333321
1/2" - 13 NC	3	H3	333322
1/2" - 20 NF	3	H3	333323
9/16" - 12 NC	3	H3	333325
9/16" - 18 NF	3	H3	333326
5/8" - 11 NC	3	H3	333327
5/8" - 18 NF	3	H3	333328
3/4" - 10 NC	3	H3	333331
3/4" - 16 NF	3	H3	333332

# HANSON® TAPS

## High Speed Steel Plug Tap Index Sets



34403

- Convenient plastic pouch puts all the necessary taps at your finger tips

Description	Contents	Pouched Stock #																																												
19 pc Set	Machine Screw Set - NC and NF HSS Ground Thread	34403																																												
	<table border="1"> <thead> <tr> <th>Thread Size</th> <th>Tap Stock #</th> <th>Thread Size</th> <th>Tap Stock #</th> </tr> </thead> <tbody> <tr> <td>0 - 80 NF</td> <td>303101</td> <td>5 - 44 NF</td> <td>303214</td> </tr> <tr> <td>1 - 64 NC</td> <td>303102</td> <td>6 - 32 NC</td> <td>303315</td> </tr> <tr> <td>1 - 72 NC</td> <td>303103</td> <td>6 - 40 NF</td> <td>303216</td> </tr> <tr> <td>2 - 56 NC</td> <td>303205</td> <td>8 - 32 NC</td> <td>303319</td> </tr> <tr> <td>2 - 64 NF</td> <td>303206</td> <td>8 - 36 NF</td> <td>303220</td> </tr> <tr> <td>3 - 48 NC</td> <td>303207</td> <td>10 - 24 NC</td> <td>303322</td> </tr> <tr> <td>3 - 56 NF</td> <td>303208</td> <td>10 - 32 NF</td> <td>303323</td> </tr> <tr> <td>4 - 40 NC</td> <td>303209</td> <td>12 - 24 NC</td> <td>303325</td> </tr> <tr> <td>4 - 48 NF</td> <td>303212</td> <td>12 - 28 NF</td> <td>303326</td> </tr> <tr> <td>5 - 40 NC</td> <td>303213</td> <td></td> <td></td> </tr> </tbody> </table>	Thread Size	Tap Stock #	Thread Size	Tap Stock #	0 - 80 NF	303101	5 - 44 NF	303214	1 - 64 NC	303102	6 - 32 NC	303315	1 - 72 NC	303103	6 - 40 NF	303216	2 - 56 NC	303205	8 - 32 NC	303319	2 - 64 NF	303206	8 - 36 NF	303220	3 - 48 NC	303207	10 - 24 NC	303322	3 - 56 NF	303208	10 - 32 NF	303323	4 - 40 NC	303209	12 - 24 NC	303325	4 - 48 NF	303212	12 - 28 NF	303326	5 - 40 NC	303213			
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Taps, Dies and Screw Extractors

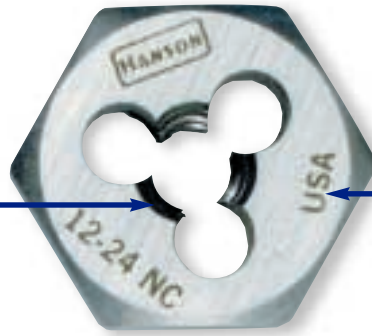
# HANSON® DIES

## Variety of Configurations

- Dies are available in solid hexagon, solid round and adjustable round

## Advanced Die Geometry

- Allows for faster cutting with longer life
- All HANSON® taps and dies are made in USA



## Material Types

- High Carbon Steel for cutting of external threads by hand
- High Speed Steel for longer life

## Etched

- Die size is etched on each tool for easy identification

## DIE STYLES



Hexagon Die

### Hexagon Dies

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

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



Adjustable Round Die

### Adjustable Round Dies

13/16", 1", 1-1/2", 2", 2-1/2" and 3" O.D.

- Ideal for precision threading with the adjustment of die made by set screw
- Adjustable dies allow the user to under or over cut their threads
- Fits into adjustable guide or plain die stock



Solid Round Die

### Solid Round Dies

1" and 1-1/2" O.D.

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



Re-threading Hexagon Die

### Re-threading Hexagon Dies

19/32" through 2-9/16"

- Extra thick to aid in restoring jammed or rusted threads
- Will not undercut good threads
- Best suited for maintenance work in the shop or field
- Ideal for repairing damaged threads
- Recommended for use with hexagon die stock
- In areas with limited space, die can be used with a wrench or socket

## High Carbon Steel Hexagon Dies Machine Screw and Fractional

### Thread Type

- The specification of a Die is indicated by two numbers and two or three letters. The first number represents the diameter of the screw or bolt, the second number is the number of threads per inch. Eg. A 1/4-20 NC tap is 1/4 inch in outside diameter and is cut 20 threads per inch. The letters indicate the thread type.

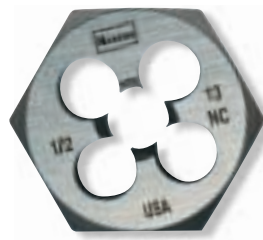
Symbol	Meaning	Used on
NC (USS)	National Coarse	General purpose machines and appliances
NF (SAE)	National Fine	Automotive parts requiring extreme pressures
NS	National Special	Special threads - either diameter or threads per inch
NEF	National Extra Fine	For optical or thin wall parts
NPT	National Pipe Taper	For all pipe threads
BSP	British Standard Pipe	For all pipe threads



6132



6432



6844



8461

Description	5/8" Across Flat Bulk Stock #	1" Across Flat Carded Stock #	1" Across Flat Bulk Stock #	1-7/16" Across Flat Bulk Stock #	1-13/16" Across Flat Bulk Stock #
4 - 36 NS	6111	9311	6411	-	-
4 - 40 NC	6112	9312	6412	-	-
5 - 40 NC	6116	-	6416	-	-
6 - 32 NC	6118	9318	6418	-	-
8 - 32 NC	6124	9324	6424	-	-
10 - 24 NC	6128	9328	6428	-	-
10 - 32 NF	6131	9331	6431	-	-
12 - 24 NC	6132	9332	6432	-	-
14 - 20 NS	6135	9335	6435	-	-
3/16" - 24 NS	6212	-	6512	-	-
3/16" - 32 NS	6213	-	-	-	-
1/4" - 20 NC	6220	9420	6520	-	-
1/4" - 28 NF	-	9423	6523	-	-
5/16" - 18 NC	-	9427	6527	-	-
5/16" - 24 NF	-	9429	6529	-	-
3/8" - 16 NC	-	9434	6534	-	-
3/8" - 24 NF	-	9436	6536	-	-
7/16" - 14 NC	-	9439	6539	-	-
7/16" - 20 NF	-	9440	6540	-	-
1/2" - 13 NC	-	9444	6544	6844	-
1/2" - 20 NF	-	9445	6545	6845	-
9/16" - 12 NC	-	-	-	6848	-
9/16" - 18 NF	-	-	-	6849	-
5/8" - 11 NC	-	-	-	6852	-
5/8" - 18 NF	-	-	-	6854	-
3/4" - 10 NC	-	-	-	6858	-
3/4" - 16 NF	-	-	-	6860	-
7/8" - 9 NC	-	-	-	-	8461
7/8" - 14 NF	-	-	-	-	8463
1" - 8 NC	-	-	-	-	8465
1" - 14 NS	-	-	-	-	8467

# HANSON® DIES

## High Carbon Steel Hexagon Metric Dies

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



6327



6638



8569

Description	5/8" Across Flat Bulk Stock #	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	6312	9712	6612	-	-
3 mm - 0.60	6313	-	6613	-	-
4 mm - 0.70	6317	9717	6617	-	-
4 mm - 0.75	6318	9718	6618	-	-
5 mm - 0.80	6322	9722	6622	-	-
5 mm - 0.90	6323	9723	6623	-	-
6 mm - 1.00	6327	9727	6627	-	-
6.3 mm - 1.00	-	-	6629	-	-
7 mm - 1.00	-	9731	6631	-	-
8 mm - 1.20	-	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 and Screw Extractors

## High Carbon Steel Hexagon Taper Pipe Dies



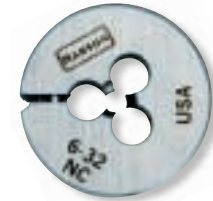
6703

Description	1" Across Flat Carded Stock #	1" Across Flat Bulk Stock #	1-7/16" Across Flat Bulk Stock #
1/8" - 27 NPT	9502	6702	7002
1/4" - 18 NPT	9503	6703	7003
3/8" - 18 NPT	-	-	7004
1/2" - 14 NPT	-	-	7005
1/8" - 28 BSP	-	6711	-
1/4" - 19 BSP	-	6712	-

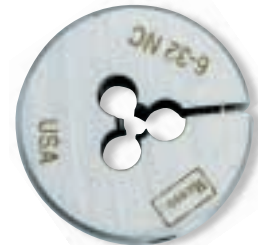


## High Carbon Steel Round Machine Screw Dies

Description	13/16" O.D. Screw Adj. Bulk Stock #	1" O.D. Screw Adj. Bulk Stock #	1" O.D. Solid Bulk Stock #
0 - 80 NF	3502	-	-
1 - 64 NC	3504	-	-
1 - 72 NF	3505	-	-
2 - 56 NC	3506	-	-
2 - 64 NF	3507	-	-
3 - 48 NC	3508	-	-
3 - 56 NF	3509	-	-
4 - 36 NS	3511	3711	3011
4 - 40 NC	3512	3712	3012
4 - 48 NF	3513	3713	-
5 - 40 NC	3516	3716	3016
5 - 44 NF	3517	3717	-
6 - 32 NC	3518	3718	3018
6 - 36 NS	3519	3719	-
6 - 40 NF	3520	3720	-
6 - 48 NS	3521	3721	-
8 - 32 NC	3524	3724	3024
8 - 36 NF	3525	3725	-
8 - 40 NS	3526	3726	-
10 - 24 NC	3528	3728	3028
10 - 32 NF	3531	3731	3031
12 - 24 NC	3532	3732	3032
12 - 28 NF	3533	3733	-
12 - 32 NEF	3534	-	-
14 - 20 NS	3535	3735	3035
14 - 24 NS	3536	-	-



3518



3718



3032

## High Carbon Steel Round Fractional Dies

Description	13/16" O.D. Screw Adj. Bulk Stock #	1" O.D. Screw Adj. Bulk Stock #	1" O.D. Solid Bulk Stock #
1/8" - 40 NS	3606	3806	-
3/16" - 24 NS	3612	3812	3112
3/16" - 32 NS	3613	3813	3113
3/16" - 36 NS	3615	-	-
1/4" - 20 NC	3620	3820	3120
1/4" - 24 NS	3621	3821	-
1/4" - 28 NF	3623	3823	3123
1/4" - 32 NEF	-	3824	-
1/4" - 40 NS	3625	3825	-
5/16" - 18 NC	3627	3827	3127
5/16" - 24 NF	3629	3829	3129
5/16" - 32 NEF	3631	3831	-
3/8" - 16 NC	-	3834	3134
3/8" - 24 NF	-	3836	3136
7/16" - 14 NC	-	3839	3139
7/16" - 20 NF	-	3840	3140
1/2" - 13 NC	-	3844	3144
1/2" - 20 NF	-	3845	3145
1/2" - 24 NS	-	3846	3146



3620



3820

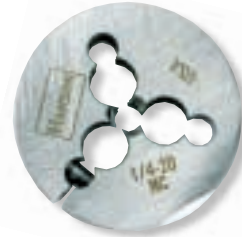


3120

# HANSON® DIES

## High Carbon Steel Adjustable Round Fractional Dies Right and Left Hand

- Left hand dies cut threads with a left hand rotation



4020



4220



4444



4665



7520



7652

Description	1-1/2" O.D. Bulk Stock #	2" O.D. Bulk Stock #	2-1/2" O.D. Bulk Stock #	3" O.D. Bulk Stock #	Left-Hand 1" O.D. Bulk Stock #	Left-Hand 1-1/2" O.D. Bulk Stock #
1/4" - 20 NC	4020	4220	-	-	7520	-
1/4" - 28 NF	4023	4223	-	-	7523	-
5/16" - 18 NC	4027	4227	-	-	7527	-
5/16" - 24 NF	4029	4229	-	-	7529	-
3/8" - 16 NC	4034	4234	-	-	7534	-
3/8" - 24 NF	4036	4236	-	-	7536	-
7/16" - 14 NC	4039	4239	4439	-	7539	-
7/16" - 20 NF	4040	4240	-	-	7540	-
1/2" - 13 NC	4044	4244	4444	-	7544	-
1/2" - 20 NF	4045	4245	4445	-	7545	-
1/2" - 24 NS	-	-	-	-	7546	-
9/16" - 12 NC	4048	4248	4448	-	-	7648
9/16" - 18 NF	4049	4249	4449	-	-	7649
5/8" - 11 NC	4052	4252	4452	-	-	7652
5/8" - 18 NF	4054	4254	4454	-	-	7654
11/16" - 11 NS	4056	4256	-	-	-	-
11/16" - 16 NS	4057	4257	-	-	-	-
3/4" - 10 NC	4058	4258	4458	-	-	7658
3/4" - 16 NF	4060	4260	4460	-	-	7660
7/8" - 9 NC	-	4261	4461	-	-	-
7/8" - 14 NF	-	4263	4463	-	-	-
1" - 8 NC	-	4265	4465	4665	-	-
1" - 12 NF	-	4266	4466	4666	-	-
1" - 14 NS	-	4267	4467	4667	-	-
1-1/8" - 7 NC	-	-	-	4668	-	-
1-1/8" - 12 NF	-	-	-	4669	-	-
1-1/4" - 7 NC	-	-	-	4670	-	-
1-1/4" - 12 NF	-	-	-	4671	-	-
1-3/8" - 6 NC	-	-	-	4672	-	-
1-3/8" - 12 NF	-	-	-	4673	-	-
1-1/2" - 6 NC	-	-	-	4674	-	-
1-1/2" - 12 NF	-	-	-	4675	-	-

# HANSON® DIES

## High Carbon Steel Round Pipe Dies



4305

Description	1" O.D. Solid Round Bulk Stock #	1-1/2" O.D. Solid Round Bulk Stock #	1-1/2" O.D. Screw Adj. Bulk Stock #	2" O.D. Screw Adj. Bulk Stock #
1/8" - 27 NPT	3202	4102	5102	-
1/4" - 18 NPT	3203	4103	5103	-
3/8" - 18 NPT	-	4104	5104	-
1/2" - 14 NPT	-	4105	5105	4305
3/4" - 14 NPT	-	-	-	4306

# HANSON® DIES

## High Speed Steel Adjustable Round Dies Machine Screw and Fractional



501024



502024



503038



504053

Description	13/16 O.D. Bulk Stock #	1" O.D. Bulk Stock #	1-1/2" O.D. Bulk Stock #	2" O.D. Bulk Stock #
4 - 40 NC	501009	502009	-	-
4 - 48 NF	501010	-	-	-
5 - 40 NC	501012	-	-	-
5 - 44 NF	501013	-	-	-
6 - 32 NC	501014	502014	-	-
6 - 40 NF	501015	502015	-	-
8 - 32 NC	501018	502018	-	-
8 - 36 NF	501019	502019	-	-
10 - 24 NC	501021	502021	-	-
10 - 32 NF	501022	502022	-	-
12 - 24 NC	501024	502024	-	-
12 - 28 NF	501025	502025	-	-
1/4" - 20 NC	501038	502038	503038	-
1/4" - 28 NF	501039	502039	503039	-
5/16" - 18 NC	501041	502041	503041	-
5/16" - 24 NF	501042	502042	503042	-
3/8" - 16 NC	-	502044	503044	-
3/8" - 24 NF	-	502045	503045	-
7/16" - 14 NC	-	502046	503046	-
7/16" - 20 NF	-	502047	503047	-
1/2" - 13 NC	-	502048	503048	-
1/2" - 20 NF	-	502049	503049	-
9/16" - 12 NC	-	-	503051	-
9/16" - 18 NF	-	-	503052	-
5/8" - 11 NC	-	-	503053	504053
5/8" - 18 NF	-	-	503054	504054
3/4" - 10 NC	-	-	503057	504057
3/4" - 16 NF	-	-	503058	504058
7/8" - 9 NC	-	-	-	504059
7/8" - 14 NF	-	-	-	504060
1" - 8 NC	-	-	-	504061
1" - 12 NF	-	-	-	504062
1" - 14 NS	-	-	-	504063

Taps, Dies and Screw Extractors

## High Speed Steel Adjustable Round Taper Pipe Dies



502101

Description	1" O.D. Bulk Stock #	1-1/2" O.D. Bulk Stock #
1/8" - 27 NPT	502101	503101
1/4" - 18 NPT	-	503102

# HANSON® DIES



7220



7720

## High Carbon Steel Re-threading Hexagon Fractional Dies Right and Left Hand

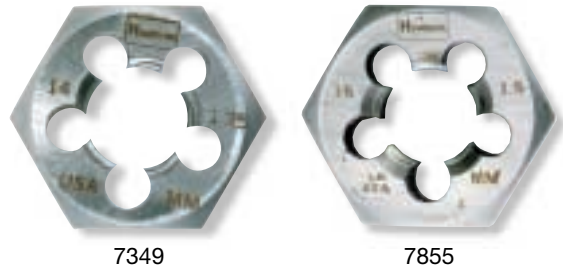
- Designed for repairing damaged bolts and studs

Description	Width Across Hex Flats	Thickness of Hex Die	Right-Hand Bulk Stock #	Left-Hand Bulk Stock #
1/4" - 20 NC	19/32"	1/4"	7220	7720
1/4" - 28 NF	19/32"	1/4"	7223	7723
5/16" - 18 NC	11/16"	5/16"	7227	7727
5/16" - 24 NF	11/16"	5/16"	7229	7729
3/8" - 16 NC	25/32"	3/8"	7234	7734
3/8" - 24 NF	25/32"	3/8"	7236	7736
7/16" - 14 NC	7/8"	7/16"	7239	7739
7/16" - 20 NF	7/8"	7/16"	7240	7740
1/2" - 13 NC	1-1/16"	1/2"	7244	7744
1/2" - 20 NF	1-1/16"	1/2"	7245	7745
9/16" - 12 NC	1-1/16"	1/2"	7248	7748
9/16" - 18 NF	1-1/16"	1/2"	7249	7749
5/8" - 11 NC	1-1/4"	5/8"	7252	7752
5/8" - 18 NF	1-1/4"	5/8"	7254	7754
11/16" - 11 NS	1-7/16"	3/4"	7256	7756
11/16" - 16 NS	1-7/16"	3/4"	7257	7757
3/4" - 10 NC	1-7/16"	3/4"	7258	7758
3/4" - 16 NF	1-7/16"	3/4"	7260	7760
7/8" - 9 NC	1-5/8"	7/8"	7261	7761
7/8" - 14 NF	1-5/8"	7/8"	7263	7763
1" - 8 NC	1-13/16"	1"	7265	7765
1" - 12 NF	1-13/16"	1"	7266	7766
1" - 14 NS	1-13/16"	1"	7267	7767
1-1/8" - 7 NC	2"	1"	7268	-
1-1/8" - 12 NF	2"	1"	7269	-
1-1/4" - 7 NC	2-3/16"	1"	7270	-
1-1/4" - 12 NF	2-3/16"	1"	7271	-
1-3/8" - 6 NC	2-3/8"	1"	7272	-
1-3/8" - 12 NF	2-3/8"	1"	7273	-
1-1/2" - 6 NC	2-9/16"	1"	7274	-
1-1/2" - 12 NF	2-9/16"	1"	7275	-



# HANSON® DIES

## High Carbon Steel Re-threading Hexagon Metric Dies Right and Left Hand



Description	Right-Hand Bulk Stock #	Left-Hand Bulk Stock #
14.0 mm - 1.25	7349	-
14.0 mm - 1.50	7350	-
14.0 mm - 2.00	7352	-
16.0 mm - 1.50	7355	7855
16.0 mm - 2.00	7356	-
18.0 mm - 1.00	7358	7858
18.0 mm - 1.50	7359	7859
18.0 mm - 2.50	7361	-
20.0 mm - 2.50	7364	-
22.0 mm - 1.50	7365	7865
24.0 mm - 1.50	7367	-
30.0 mm - 1.50	7373	-

## High Carbon Steel Re-threading Hexagon Taper Pipe Dies



7403

Description	Bulk Stock #
1/8" - 27 NPT	7402
1/4" - 18 NPT	7403
3/8" - 18 NPT	7404
1/2" - 14 NPT	7405
3/4" - 14 NPT	7406
1" - 11-1/2 NPT	7407

## High Carbon Steel Re-threading Hexagon Fractional Die Set

- Wooden storage case



24839

Description	Contents	Stock #
16 pc Set	Hex Re-threading Die Set - NC and NF	24839
	<u>Die Size</u>	<u>Stock #</u>
	1/4" - 20 NC	7220
	1/4" - 28 NF	7223
	5/16" - 18 NC	7227
	5/16" - 24 NF	7229
	3/8" - 16 NC	7234
	3/8" - 24 NF	7236
	7/16" - 14 NC	7239
	7/16" - 20 NF	7240
	1/2" - 13 NC	7244
	1/2" - 20 NF	7245
	9/16" - 12 NC	7248
	9/16" - 18 NF	7249
	5/8" - 11 NC	7252
	5/8" - 18 NF	7254
	3/4" - 10 NC	7258
	3/4" - 16 NF	7260

Taps, Dies and Screw Extractors

## High Carbon Steel Re-threading Hexagon Fractional Die Sets

Description	Contents	Stock #
10 pc Set	Hex Re-threading Die Set - NC	25701
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 20 NC	7220
	5/16" - 18 NC	7227
	3/8" - 16 NC	7234
	7/16" - 14 NC	7239
	1/2" - 13 NC	7244
	9/16" - 12 NC	7248
	5/8" - 11 NC	7252
	3/4" - 10 NC	7258
	7/8" - 9 NC	7261
	1" - 8 NC	7265
Empty Wooden Case for 25701		25701MT
10 pc Set	Hex Re-threading Die Set - NF	24801
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 28 NF	7223
	5/16" - 24 NF	7229
	3/8" - 24 NF	7236
	7/16" - 20 NF	7240
	1/2" - 20 NF	7245
	9/16" - 18 NF	7249
	5/8" - 18 NF	7252
	3/4" - 16 NF	7260
	7/8" - 14 NF	7263
	1" - 12 NF	7266
Empty Wooden Case for 24801		24801MT
10 pc Set	Hex Re-threading Die Set - NC and NF	24815
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 20 NC	7220
	1/4" - 28 NF	7223
	5/16" - 18 NC	7227
	5/16" - 24 NF	7229
	3/8" - 16 NC	7234
	3/8" - 24 NF	7236
	7/16" - 14 NC	7239
	7/16" - 20 NF	7240
	1/2" - 13 NC	7244
	1/2" - 20 NF	7245
Empty Wooden Case for 24815		24815MT
8 pc Set	Hex Re-threading Die Set - NC	25734
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 20 NC	7220
	5/16" - 18 NC	7227
	3/8" - 16 NC	7234
	7/16" - 14 NC	7239
	1/2" - 13 NC	7244
	9/16" - 12 NC	7248
	5/8" - 11 NC	7252
	3/4" - 10 NC	7258
Empty Wooden Case for 25734		25734MT

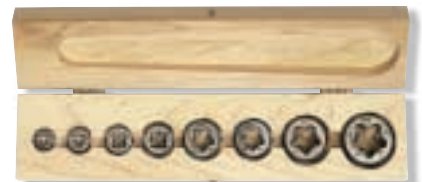
• Wooden storage case



25701

Taps, Dies and Screw Extractors

• Wooden storage case



25734

# HANSON® DIES

## High Carbon Steel Re-threading Hexagon Fractional Die Sets

- Wooden storage case



24834



24812

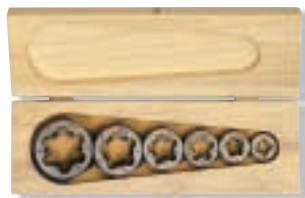


1925

Description	Contents	Stock #
8 pc Set	Hex Re-threading Die Set - NF	24834
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 28 NF	7223
	5/16" - 24 NF	7229
	3/8" - 24 NF	7236
	7/16" - 20 NF	7240
	1/2" - 20 NF	7245
	9/16" - 18 NF	7249
	5/8" - 18 NF	7254
	3/4" - 16 NF	7260
Empty Wooden Case for 24834		24834MT
5 pc Set	Hex Re-threading Die Set - NC	25712
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 20 NC	7220
	5/16" - 18 NC	7227
	3/8" - 16 NC	7234
	7/16" - 14 NC	7239
	1/2" - 13 NC	7244
5 pc Set	Hex Re-threading Die Set - NF	24812
	<u>Die Size</u> <u>Stock #</u>	
	1/4" - 28 NF	7223
	5/16" - 24 NF	7229
	3/8" - 24 NF	7236
	7/16" - 20 NF	7240
	1/2" - 20 NF	7245
4 pc Set	Hex Re-threading Die Set - NC	1925
	<u>Die Size</u> <u>Stock #</u>	
	1-1/8" - 7 NC	7268
	1-1/4" - 7 NC	7270
	1-3/8" - 6 NC	7272
	1-1/2" - 6 NC	7274
4 pc Set	Hex Re-threading Die Set - NF	1926
	<u>Die Size</u> <u>Stock #</u>	
	1-1/8" - 12 NF	7269
	1-1/4" - 12 NF	7271
	1-3/8" - 12 NF	7273
	1-1/2" - 12 NF	7275

## High Carbon Steel Re-threading Hexagon Taper Pipe Die Set

- Wooden storage case



1922

Description	Contents	Stock #
6 pc Set	Hexagon Re-threading Die Set - NPT	1922
	<u>Die Size</u> <u>Stock #</u>	
	1/8" - 27 NPT	7402
	1/4" - 18 NPT	7403
	3/8" - 18 NPT	7404
	1/2" - 14 NPT	7405
	3/4" - 14 NPT	7406
	1" - 11-1/2 NPT	7407

Empty Wooden Case for 1922

1922 MT

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Re-threading Pipe Die Set

Description	Contents	Stock #																					
12 pc Set	Pipe Sizes 1/8" to 1" Thread Size	1920																					
	<table border="1"> <thead> <tr> <th>Pipe</th> <th>Tap Stock #</th> <th>Hexagon Die Stock #</th> </tr> </thead> <tbody> <tr> <td>1/8" - 27 NPT</td> <td>1902</td> <td>7402</td> </tr> <tr> <td>1/4" - 18 NPT</td> <td>1903</td> <td>7403</td> </tr> <tr> <td>3/8" - 18 NPT</td> <td>1904</td> <td>7404</td> </tr> <tr> <td>1/2" - 14 NPT</td> <td>1905</td> <td>7405</td> </tr> <tr> <td>3/4" - 14 NPT</td> <td>1906</td> <td>7406</td> </tr> <tr> <td>1" - 11-1/2 NPT</td> <td>1907</td> <td>7407</td> </tr> </tbody> </table>	Pipe	Tap Stock #	Hexagon Die Stock #	1/8" - 27 NPT	1902	7402	1/4" - 18 NPT	1903	7403	3/8" - 18 NPT	1904	7404	1/2" - 14 NPT	1905	7405	3/4" - 14 NPT	1906	7406	1" - 11-1/2 NPT	1907	7407	
Pipe	Tap Stock #	Hexagon Die Stock #																					
1/8" - 27 NPT	1902	7402																					
1/4" - 18 NPT	1903	7403																					
3/8" - 18 NPT	1904	7404																					
1/2" - 14 NPT	1905	7405																					
3/4" - 14 NPT	1906	7406																					
1" - 11-1/2 NPT	1907	7407																					
Empty Wooden Case for 1920		1920 MT																					

- Wooden storage case



1920

## High Speed Steel Cut Thread Tap and High Carbon Steel Re-threading Pipe Die Set

Description	Contents	Stock #																					
12 pc Set	Pipe Sizes 1/8" to 1" Thread Size	1923																					
	<table border="1"> <thead> <tr> <th>Pipe</th> <th>Tap Stock #</th> <th>Hexagon Die Stock #</th> </tr> </thead> <tbody> <tr> <td>1/8" - 27 NPT</td> <td>459001</td> <td>7402</td> </tr> <tr> <td>1/4" - 18 NPT</td> <td>459002</td> <td>7403</td> </tr> <tr> <td>3/8" - 18 NPT</td> <td>459003</td> <td>7404</td> </tr> <tr> <td>1/2" - 14 NPT</td> <td>459004</td> <td>7405</td> </tr> <tr> <td>3/4" - 14 NPT</td> <td>459005</td> <td>7406</td> </tr> <tr> <td>1" - 11-1/2 NPT</td> <td>459006</td> <td>7407</td> </tr> </tbody> </table>	Pipe	Tap Stock #	Hexagon Die Stock #	1/8" - 27 NPT	459001	7402	1/4" - 18 NPT	459002	7403	3/8" - 18 NPT	459003	7404	1/2" - 14 NPT	459004	7405	3/4" - 14 NPT	459005	7406	1" - 11-1/2 NPT	459006	7407	
Pipe	Tap Stock #	Hexagon Die Stock #																					
1/8" - 27 NPT	459001	7402																					
1/4" - 18 NPT	459002	7403																					
3/8" - 18 NPT	459003	7404																					
1/2" - 14 NPT	459004	7405																					
3/4" - 14 NPT	459005	7406																					
1" - 11-1/2 NPT	459006	7407																					

- Wooden storage case

# HANSON® THREADING TOOLS

## Plain Die Stocks



12416

- Solid construction for long life
- Dies easily lock in position with set screw

Description	Usage	Carded Stock #	Bulk Stock #
DS - 57	For 5/8" Hexagon Dies	-	12457
DS - 13	For 13/16" Round Dies	-	12416
DS - 9	For 1" Hexagon or Round Dies	12008	11008

## Adjustable Guide Die Stocks



12428

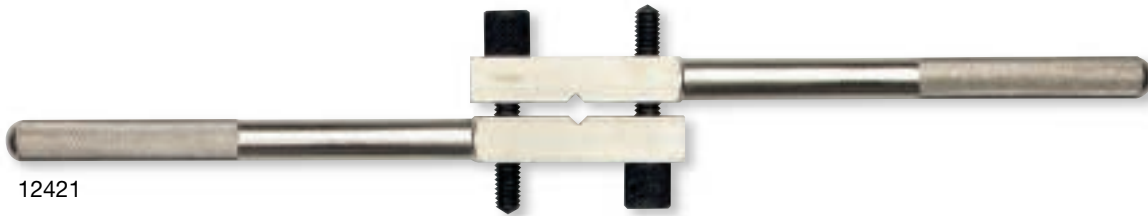
- Maintains alignment for accurate, straight threading
- Dies easily lock in position with set screw

Description	Usage	Carded Stock #	Bulk Stock #
DS - 28	For 1" Adjustable Round Dies	-	12428
DS - 35	For 1-1/2" Adjustable Round Dies	-	12435
DS - 45	For 2" Adjustable Round Dies	-	12445
DS - 25	For 1" Round Dies	12025	11025
DS - 26	For 1" Hexagon Dies	12026	11026
DS - 36	For 1-7/16" Hexagon Dies	-	12436
DS - 46	For 1-13/16" Hexagon Dies	-	12446
DS - 35/DS - 36	Replacement Handle	-	31103502



# HANSON® THREADING TOOLS

## Offset Handle Adjustable Tap and Reamer Wrenches



12421

Description	Usage	Carded Stock #	Bulk Stock #
TR - 21	For Taps No. 0 to 1/2" (3 mm to 12 mm)	12021	12421
TR - 121	For Taps No. 1/4" to 1" (6 mm to 24 mm)	-	11212

- Designed for use with taps, reamers, screw extractors and many other tools to be turned by hand
- Adjusted by evenly turning the two knurled tightening screws

## Adjustable Handle Tap and Reamer Wrenches



12498

Description	Usage	Carded Stock #	Bulk Stock #
TR - 88	For Taps No. 0 to 1/2" (3 mm to 12 mm)	12088	311088
TR - 98	For Taps 1/4" to 1" (6 mm to 24 mm)	-	12498

- Solid construction for long life and ease of use
- Straight handle design provides greater leverage, especially when using larger diameter taps
- Ideal for hand tapping

Taps, Dies and Screw Extractors

## Repair Parts for 12088 and 12498

Description	Stock #
Fixed Jaw for 12088	31108803
Screw for 12088	31108804
Adjustable Jaw for 12088	31108805
Fixed Jaw for 12498	31109804
Adjustable Jaw for 12498	31109805

# HANSON® THREADING TOOLS

## T-Handle Wrenches

- Designed for use with taps and on many other tools to be turned by hand
- Adjusted and tightened to size by twisting knurled nut
- Additional holding jaws are recessed inside hole for gripping onto smaller sized taps
- T-Handle may be extended full length in either direction for more leverage
- Ideal for hand tapping in difficult-to-reach areas

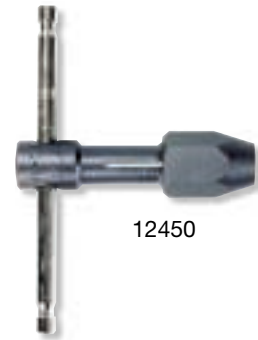


12401

Description	Usage	Carded Stock #	Bulk Stock #
TR - 1E	For Taps No. 0 to 1/4" (3 mm to 6 mm)	12001	12401
TR - 1-1/2E	For Taps No. 12 to 5/16"	12115	12415
TR - 2E	For Taps 1/4" to 1/2" (6 mm to 12 mm)	12002	12402

## Two-in-One Wrench

- End of TR-50 wrench has 3/8" square drive to accommodate socket wrench or extension when desired
- Hexagon nut for tightening tap square
- Additional holding jaws are recessed inside hole for gripping onto smaller sized taps
- Sliding T-handle has spring tension stop

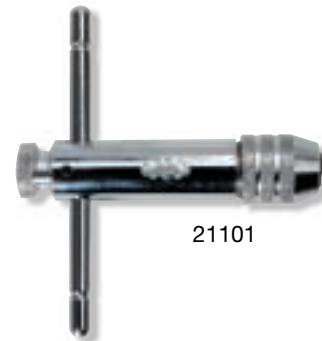


12450

Description	Usage	Carded Stock #	Bulk Stock #
TR - 50	For Taps 1/4" to 1/2" (6 mm to 12 mm)	12050	12450
TR - 73	For Taps No. 0 to 1/4" (3 mm to 6 mm)	12073	12473

## Hexagon Nut T-Handle Ratchet Tap Wrench

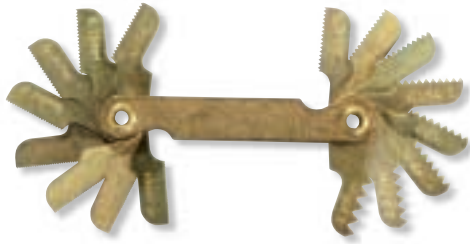
- Three position gear box allows quick and easy left and right hand tapping
- Knurled nut for tightening
- Ideal for hard-to-reach areas
- Made in Germany



21101

Description	Carded Stock #	Bulk Stock #
For Tap Sizes No. 0 to 1/4" (3 mm to 6 mm)	21201	21101
For Tap Sizes 1/4" to 1/2" (6 mm to 12 mm)	21202	21102

# HANSON® THREADING TOOLS

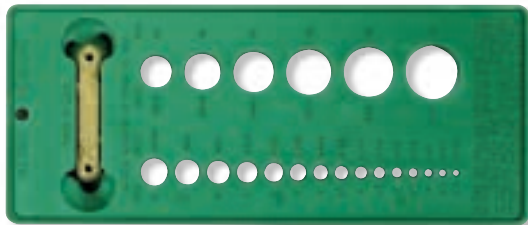


11016

## Thread Pitch Gauges

- Standard thread pitch gauge measures the number of threads per inch
- Metric thread pitch gauge measures the distance between thread in millimeters
- Quality construction means long life and accurate readings

Description	Carded Stock #	Bulk Stock #
16-Leaf Metric Thread Pitch Gauge	12016	11016
18-Leaf Standard Thread Pitch Gauge	12018	11018
16-Leaf Standard and Metric Thread Pitch Gauge	12017	11017



12087

## Metric Measuring Kit with Thread Gauges

- Shows 21 outside diameters (OD) in millimeters and decimals from 2.3 mm (.0906) to 24 mm (.9449)
- Measures thread pitch in millimeters from 0.35 to 3.00

Description	Stock #
Metric Measuring Kit	12087



11221

## Reamers

- For deburring and enlarging holes in sheet metal or similar materials
- Removable handle with 3/8" square drive to use reamer with socket or adjustable handle tap wrench
- Made of finest quality tool steel
- Not for use in machine tools

Description	Pouched Stock #	Carded Stock #	Bulk Stock #
Repair Reamer (1/8" to 1/2")	-	11214	-
Repair Reamer (1/2" to 1")	11221	-	-
Repair Reamer Set (11214 and 11221)	-	-	310340

# HANSON® TAP AND DIE SETS

## Fractional/Metric Tap, Die and Drill Bit Deluxe Set

Description	Contents	Stock #
-------------	----------	---------

117 pc Set	Combination Machine Screw, Fractional and Metric Taps and Dies, Screw Extractors and High Speed Steel Drill Bits	26377
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- Plastic storage case



26377

Thread Size	Tap Stock #	Die Stock #	Drill Bit Size	Drill Bit Stock #
<u>Machine Screw</u>	<u>Plug Style</u>	<u>5/8" Hexagon</u>		
4 - 40 NC	1112	6112	No. 3	80103
6 - 32 NC	1118	6118	No. 7	80107
8 - 32 NC	1124	6124	No. 9	80109
10 - 24 NC	1128	6128	No. 16	80116
10 - 32 NF	1131	6131	No. 19	80119
12 - 24 NC	1132	6132	No. 20	80120
<u>Fractional</u>		<u>1" Hexagon</u>	No. 21	80121
1/4" - 20 NC	1420	6520	No. 25	80125
1/4" - 28 NF	1423	6523	No. 29	80129
5/16" - 18 NC	1427	6527	No. 30	80130
5/16" - 24 NF	1429	6529	No. 36	80136
3/8" - 16 NC	1434	6534	No. 39	80139
3/8" - 24 NF	1436	6536	No. 43	80143
7/16" - 14 NC	1439	6539	Letter B	40102
7/16" - 20 NF	1440	6540	Letter F	40106
1/2" - 13 NC	1444	6544	Letter H	40108
1/2" - 20 NF	1445	6545	Letter I	40109
<u>Metric</u>		<u>5/8" Hexagon</u>	Letter J	40110
3 mm - 0.50	1712	6312	Letter O	40115
4 mm - 0.70	1717	6317	Letter Q	40117
4 mm - 0.75	1718	6318	Letter R	40118
5 mm - 0.80	1722	6322	Letter S	40119
5 mm - 0.90	1723	6323	Letter U	40121
6 mm - 1.00	1727	6327	Letter Z	40126
		<u>1" Hexagon</u>	5/64"	60105
7 mm - 1.00	1731	6631	7/64"	60107
8 mm - 1.00	1733	6633	5/32"	60110
8 mm - 1.25	1734	6634	1/4"	60116
9 mm - 1.00	1736	6636	19/64"	60119
9 mm - 1.25	1737	6637	5/16"	60120
10 mm - 1.25	1739	6639	21/64"	60121
10 mm - 1.50	1740	6640	3/8"	60124
11 mm - 1.50	1741	6641	25/64"	60125
12 mm - 1.50	1743	6643	13/32"	60126
12 mm - 1.75	1744	6644	27/64"	60127
<u>Pipe</u>			29/64"	60129
1/8" - 27 NPT	1902	6702	Spiral Flute	
1/8" - 28 BSP	1911	6711	<u>Screw Extractor</u>	
			EX - 1	52401
			EX - 2	52402
			EX - 3	52403
			EX - 4	52404
			EX - 5	52405

### Threading Tools

	Stock #
Adjustable Die Stock - 1" Hexagon Dies	11026
Plain Die Stock - 5/8" Hexagon Dies	12457
Adjustable Handle Tap Wrench - Taps No. 0 to 1/2"	311088
Two-in-One Tap Wrench - Taps 1/4" to 1/2"	12450
T-Handle Wrench - Taps No. 0 to 1/4"	12473
16 Leaf Metric Thread Pitch Gauge	11016
18 Leaf Standard Thread Pitch Gauge	11018
Screwdriver	

# HANSON® TAP AND DIE SETS

## Fractional/Metric Tap and Die Super Set

- Plastic storage case

Description	Contents	Stock #	
76 pc Set	Combination Machine Screw, Fractional and Metric	26376	
	Thread Size	Tap Stock #	
	Machine Screw	Plug Style	
		Die Stock #	
		5/8" Hexagon	
	4 - 40 NC	1112	6112
	6 - 32 NC	1118	6118
	8 - 32 NC	1124	6124
	10 - 24 NC	1128	6128
	10 - 32 NF	1131	6131
	12 - 24 NC	1132	6132
	Fractional		1" Hexagon
	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
	Metric		5/8" Hexagon
	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
			1" Hexagon
	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
	Pipe		
	1/8" - 27 NPT	1902	6702
	1/8" - 28 BSP	1911	6711
	Threading Tools		Stock #
	Adj. Die Stock - 1" Hexagon Dies		11026
	Plain Die Stock - 5/8" Hexagon Dies		12457
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
	Two-in-One Tap Wrench - Taps 1/4" to 1/2"		12450
	T-Handle Wrench - Taps No. 0 to 1/4"		12473
	16 Leaf Metric Thread Pitch Gauge		11016
	18 Leaf Standard Thread Pitch Gauge		11018
	Screwdriver		



26376

Empty Plastic Case for 26376

26376MT

# HANSON® TAP AND DIE SETS

## Metric Tap and Die Combination Set

- Plastic storage case



97312

Taps, Dies and Screw Extractors

Description	Contents	Stock #																																																																																																																																							
66 pc Set	Metric Sizes 3 mm to 24 mm Combination of Sets 97311 and 26317	97312																																																																																																																																							
	<table border="1"> <thead> <tr> <th>Thread Size</th> <th>Tap Stock #</th> <th>Die Stock #</th> </tr> </thead> <tbody> <tr> <td><u>Metric</u></td> <td><u>Plug Style</u></td> <td><u>5/8" Hexagon</u></td> </tr> <tr> <td>3 mm - 0.50</td> <td>1712</td> <td>6312</td> </tr> <tr> <td>4 mm - 0.70</td> <td>1717</td> <td>6317</td> </tr> <tr> <td>4 mm - 0.75</td> <td>1718</td> <td>6318</td> </tr> <tr> <td>5 mm - 0.80</td> <td>1722</td> <td>6322</td> </tr> <tr> <td>5 mm - 0.90</td> <td>1723</td> <td>6323</td> </tr> <tr> <td>6 mm - 1.00</td> <td>1727</td> <td>6327</td> </tr> <tr> <td></td> <td></td> <td><u>1" Hexagon</u></td> </tr> <tr> <td>7 mm - 1.00</td> <td>1731</td> <td>6631</td> </tr> <tr> <td>8 mm - 1.00</td> <td>1733</td> <td>6633</td> </tr> <tr> <td>8 mm - 1.25</td> <td>1734</td> <td>6634</td> </tr> <tr> <td>9 mm - 1.00</td> <td>1736</td> <td>6636</td> </tr> <tr> <td>9 mm - 1.25</td> <td>1737</td> <td>6637</td> </tr> <tr> <td>10 mm - 1.25</td> <td>1739</td> <td>6639</td> </tr> <tr> <td>10 mm - 1.50</td> <td>1740</td> <td>6640</td> </tr> <tr> <td>11 mm - 1.50</td> <td>1741</td> <td>6641</td> </tr> <tr> <td>12 mm - 1.50</td> <td>1743</td> <td>6643</td> </tr> <tr> <td>12 mm - 1.75</td> <td>1744</td> <td>6644</td> </tr> <tr> <td></td> <td></td> <td><u>1-7/16" Hexagon</u></td> </tr> <tr> <td>14 mm - 1.25</td> <td>2449*</td> <td>6949</td> </tr> <tr> <td>14 mm - 1.50</td> <td>1750</td> <td>6950</td> </tr> <tr> <td>14 mm - 2.00</td> <td>1752</td> <td>6952</td> </tr> <tr> <td>16 mm - 1.50</td> <td>1755</td> <td>6955</td> </tr> <tr> <td>16 mm - 2.00</td> <td>1756</td> <td>6956</td> </tr> <tr> <td>18 mm - 1.50</td> <td>1759</td> <td>6959</td> </tr> <tr> <td>18 mm - 2.50</td> <td>1761</td> <td>6961</td> </tr> <tr> <td></td> <td></td> <td><u>1-13/16" Hexagon</u></td> </tr> <tr> <td>20 mm - 2.50</td> <td>1764</td> <td>8564</td> </tr> <tr> <td>22 mm - 1.50</td> <td>1765</td> <td>8565</td> </tr> <tr> <td>24 mm - 2.00</td> <td>1768</td> <td>8568</td> </tr> <tr> <td>24 mm - 3.00</td> <td>1769</td> <td>8569</td> </tr> <tr> <td><u>Pipe</u></td> <td></td> <td><u>1" Hexagon</u></td> </tr> <tr> <td>1/8" - 28 BSP</td> <td>1911</td> <td>6711</td> </tr> <tr> <td><u>Threading Tools</u></td> <td></td> <td><u>Stock #</u></td> </tr> <tr> <td>Adj. Die Stock - 1" Hexagon Dies</td> <td></td> <td>11026</td> </tr> <tr> <td>Adj. Die Stock - 1-7/16" Hexagon Dies</td> <td></td> <td>12436</td> </tr> <tr> <td>Adj. Die Stock - 1-3/16" Hexagon Dies</td> <td></td> <td>12446</td> </tr> <tr> <td>Plain Die Stock - 5/8" Hexagon Dies</td> <td></td> <td>12457</td> </tr> <tr> <td>T-Handle Wrench - Taps No. 0 to 1/4"</td> <td></td> <td>12473</td> </tr> <tr> <td>Adj. Handle Tap Wrench - Taps No. 0 to 1/2"</td> <td></td> <td>311088</td> </tr> <tr> <td>Adj. Handle Tap Wrench - Taps 1/4" to 1"</td> <td></td> <td>12498</td> </tr> <tr> <td>Two-in-One Tap Wrench - Taps 1/4" to 1/2"</td> <td></td> <td>12450</td> </tr> <tr> <td>16 Leaf Metric Thread Pitch Gauge</td> <td></td> <td>11016</td> </tr> <tr> <td>Screwdriver</td> <td></td> <td></td> </tr> </tbody> </table>	Thread Size	Tap Stock #	Die Stock #	<u>Metric</u>	<u>Plug Style</u>	<u>5/8" Hexagon</u>	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			<u>1" Hexagon</u>	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			<u>1-7/16" Hexagon</u>	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			<u>1-13/16" Hexagon</u>	20 mm - 2.50	1764	8564	22 mm - 1.50	1765	8565	24 mm - 2.00	1768	8568	24 mm - 3.00	1769	8569	<u>Pipe</u>		<u>1" Hexagon</u>	1/8" - 28 BSP	1911	6711	<u>Threading Tools</u>		<u>Stock #</u>	Adj. Die Stock - 1" Hexagon 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	Screwdriver			
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66 pc Set	Metric Sizes 3 mm to 24 mm Combination of Sets 26317 and Master Set 96311 Contents Identical to Set 97312 with Wooden Case	96312																																																																																																																																							

\* Spark plug tap



# HANSON® TAP AND DIE SETS

## Machine Screw/Fractional Tap and Die Combination Sets

Description	Contents	Stock #																																																																																																																																																
66 pc Set	Machine Screw and Fractional - Sizes No. 4 to 1" Combination of Sets 97094 and 24606	97606																																																																																																																																																
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3/4" - 16 NF	1460	6860																																																																																																																																																
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7/8" - 9 NC	1461	8461																																																																																																																																																
7/8" - 14 NF	1463	8463																																																																																																																																																
1" - 8 NC	1465	8465																																																																																																																																																
1" - 14 NS	1467	8467																																																																																																																																																
<u>Pipe</u>																																																																																																																																																		
<u>1" Hexagon</u>																																																																																																																																																		
1/8" - 27 NPT	1902	6702																																																																																																																																																
1/4" - 18 NPT	1903	7003																																																																																																																																																
<u>Threading Tools</u>																																																																																																																																																		
<u>Stock #</u>																																																																																																																																																		
Adj. Die Stock - 1" Hexagon Dies		11026																																																																																																																																																
Adj. Die Stock - 1-7/16" Hexagon Dies		12436																																																																																																																																																
Adj. Die Stock - 1-13/16" Hexagon Dies		12446																																																																																																																																																
Plain Die Stock - 5/8" Hexagon Dies		12457																																																																																																																																																
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																																																																																																																																																	
T-Handle Wrench - Taps No. 0 to 1/4"	12473																																																																																																																																																	
18 Leaf Standard Thread Pitch Gauge	11018																																																																																																																																																	
Screwdriver																																																																																																																																																		
66 pc Set	Machine Screw and Fractional - Sizes No. 4 to 1" Combination of Sets 97094 and 24606 Contents Identical to Set 97606 with Wooden Case	96606																																																																																																																																																

- Plastic storage case



97606

- Wooden storage case



96606

# HANSON® TAP AND DIE SETS

## Tap and Die Combination Sets

### Machine Screw and Fractional Sizes No. 4 to 1"



98614



99146



99606



99614



98146



98606

Taps, Dies and Screw Extractors

Description		Stock #
64 pc Set	Plug and Pipe Taps Solid and Adjustable Round Dies Plastic Storage Case Combination of Sets 98000 and 23614	98614
64 pc Set	Plug and Pipe Taps Solid and Adjustable Round Dies Wooden Storage Case Combination of Sets 99000 and 23614	99614
64 pc Set	Plug and Pipe Taps Solid and Adjustable Round Dies Plastic Storage Case Combination of Sets 98000 and 25914	98146
64 pc Set	Plug and Pipe Taps Solid and Adjustable Round Dies Wooden Storage Case Combination of Sets 99000 and 25914	99146
66 pc Set	Plug and Pipe Taps Adjustable Round, Solid Hexagon and Round Dies Plastic Storage Case Combination of Sets 98000 and 24606	98606
66 pc Set	Plug and Pipe Taps Adjustable Round Dies, Solid Hexagon and Round Dies Wooden Storage Case Combination of Sets 99000 and 24606	99606

See Chart on Page 14-36 for Set Compositions

# HANSON® TAP AND DIE SETS

CONTENTS FOR SET NUMBERS ON PAGE 14-35: 98614 - 99614 - 98146 - 99146 - 98606 - 99606

Thread Size Machine Screw	Tap Stock # Plug Style #	Set No.'s	Set No.'s	Set No.'s
		98614 † and 99614 ††	98146 † and 99146 ††	98606 † and 99606 ††
		Die Stock # 1" Solid Round	Die Stock # 1" Adj. Round	Die Stock # 5/8" Hexagon
4 - 40 NC	1112	3012	3712	6112
6 - 32 NC	1118	3018	3718	6118
8 - 32 NC	1124	3024	3724	6124
10 - 24 NC	1128	3028	3728	6128
10 - 32 NF	1131	3031	3731	6131
12 - 24 NC	1132	3032	3732	6132
<b>Fractional</b>				<b>1" Hexagon</b>
1/4" - 20 NC	1420	3120	3820	6520
1/4" - 28 NF	1423	3123	3823	6523
5/16" - 18 NC	1427	3127	3827	6527
5/16" - 24 NF	1429	3129	3829	6529
3/8" - 16 NC	1434	3134	3834	6534
3/8" - 24 NF	1436	3136	3836	6536
7/16" - 14 NC	1439	3139	3839	6539
7/16" - 20 NF	1440	3140	3840	6540
1/2" - 13 NC	1444	3144	3844	6544
1/2" - 20 NF	1445	3145	3845	6545
		<b>1-1/2" Adj. Round</b>	<b>1-1/2" Adj. Round</b>	<b>1-1/2" Adj. Round</b>
9/16" - 12 NC	1448	4048	4048	4048
9/16" - 18 NF	1449	4049	4049	4049
5/8" - 11 NC	1452	4052	4052	4052
5/8" - 18 NF	1454	4054	4054	4054
3/4" - 10 NC	1458	4058	4058	4058
3/4" - 16 NF	1460	4060	4060	4060
		<b>2" Adj. Round</b>	<b>2" Adj. Round</b>	<b>2" Adj. Round</b>
7/8" - 9 NC	1461	4261	4261	4261
7/8" - 14 NF	1463	4263	4263	4263
1" - 8 NC	1465	4265	4265	4265
1" - 12 NS	1466	4266*	4266	4266
<b>Pipe</b>		<b>1" Solid Round</b>	<b>1" Solid Round</b>	<b>1" Hexagon</b>
1/8" - 27 NPT	1902	3202	3202	6702
		<b>1-1/2" Solid Round</b>	<b>1-1/2" Solid Round</b>	<b>1-1/2" Solid Round</b>
1/4" - 18 NPT	1903	4103	4103	4103
<b>Threading Tools</b>	<b>Stock #</b>			
Adj. Die Stock - 1" Hexagon Dies	11026			X
Adj. Die Stock - 1" Round Dies	11025	X		
Adj. Die Stock - 1" Adj. Round Dies	12428		X	
Adj. Die Stock - 1-1/2" Adj. Round Dies	12435	X	X	X
Adj. Die Stock - 2" Adj. Round Dies	12445	X	X	X
Plain Die Stock - 5/8" Hexagon Dies	12457			X
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"	311088	X	X	X
Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498	X	X	X
Two-in-One Tap Wrench - Taps 1/4" to 1/2"	12450			X
T-Handle Wrench - Taps No. 0 to 1/4"	12473			X
T-Handle Wrench - Taps No. 0 to 1/4"	12401	X	X	
18 Leaf Standard Thread Pitch Gauge	11018	X	X	X
Screwdriver		X	X	X

† Plastic Case

†† Wooden Case

\* 1" - 14 NS Tap (1467) and Die (4267) Replace 1" - 12 NS in 99614 Set Only

Taps, Dies and Screw Extractors

# HANSON® TAP AND DIE SETS

## Machine Screw/Fractional Tap and Die Set

- Plastic storage case



24640

Description	Contents	Stock #
53 pc Set	Machine Screw and Fractional - Sizes No. 6 to 3/4"	24640
	Thread Size	Tap Stock #
	Die Stock #	
	<u>Machine Screw</u>	<u>Plug Style</u>
		<u>1" Hexagon</u>
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	12 - 24 NC	1132
	<u>Fractional</u>	
	1/4" - 20 NC	1420
	1/4" - 28 NF	1423
	5/16" - 18 NC	1427
	5/16" - 24 NF	1429
	3/8" - 16 NC	1434
	3/8" - 24 NF	1436
	7/16" - 14 NC	1439
	7/16" - 20 NF	1440
	1/2" - 13 NC	1444
	1/2" - 20 NF	1445
		<u>1-7/16" Hexagon</u>
	9/16" - 12 NC	1448
	9/16" - 18 NF	1449
	5/8" - 11 NC	1452
	5/8" - 18 NF	1454
	3/4" - 10 NC	1458
	3/4" - 16 NF	1460
	<u>Pipe</u>	<u>1" Hexagon</u>
	1/8" - 27 NPT Pipe	1902
	1/4" - 18 NPT Pipe	1903
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1" Hexagon 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
	16 Leaf Standard Thread Pitch Gauge	11018
	Screwdriver	

Empty Plastic Case for 24640

24640MT

# HANSON® TAP AND DIE SETS

## Metric Tap and Die Set

- Plastic storage case

Description	Contents	Stock #
53 pc Set	Metric - Sizes 3 mm to 18 mm	26394
	Thread Size	Tap Stock #
	<u>Metric</u>	<u>Plug Style</u>
	3 mm - 0.50	1712
	4 mm - 0.70	1717
	4 mm - 0.75	1718
	5 mm - 0.80	1722
	5 mm - 0.90	1723
	6 mm - 1.00	1727
	7 mm - 1.00	1731
	8 mm - 1.25	1734
	9 mm - 1.00	1736
	9 mm - 1.25	1737
	10 mm - 1.25	1739
	10 mm - 1.50	1740
	11 mm - 1.50	1741
	12 mm - 1.50	1743
	12 mm - 1.75	1744
		<u>1-7/16" Hexagon</u>
	14 mm - 1.25	1749
	14 mm - 2.00	1752
	16 mm - 1.50	1755
	16 mm - 2.00	1756
	18 mm - 1.50	1759
	18 mm - 2.50	1761
	<u>Pipe</u>	<u>1" Hexagon</u>
	1/8" - 28 BSP	1911
	1/4" - 19 BSP	1912
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1" Hexagon 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
	16 Leaf Metric Thread Pitch Gauge	11016
	Screwdriver	



26394

Empty Plastic Case for 26394

26394MT

# HANSON® TAP AND DIE SETS

## Machine Screw/Fractional Tap and Die Super Set

- Plastic storage case with removable tray keeps all tools organized



24606



24607

Description	Contents	Stock #																																																																																																			
41 pc Set	Machine Screw and Fractional Sizes - No. 4 to 1/2"	24606																																																																																																			
	<table border="1"> <thead> <tr> <th>Thread Size</th> <th>Tap Stock #</th> <th>Die Stock #</th> </tr> </thead> <tbody> <tr> <td colspan="3"><u>Machine Screw</u></td> </tr> <tr> <td></td> <td><u>Plug Style</u></td> <td><u>5/8" Hexagon</u></td> </tr> <tr> <td>4 - 40 NC</td> <td>1112</td> <td>6112</td> </tr> <tr> <td>6 - 32 NC</td> <td>1118</td> <td>6118</td> </tr> <tr> <td>8 - 32 NC</td> <td>1124</td> <td>6124</td> </tr> <tr> <td>10 - 24 NC</td> <td>1128</td> <td>6128</td> </tr> <tr> <td>10 - 32 NF</td> <td>1131</td> <td>6131</td> </tr> <tr> <td>12 - 24 NC</td> <td>1132</td> <td>6132</td> </tr> <tr> <td colspan="3"><u>Fractional</u></td> </tr> <tr> <td></td> <td></td> <td><u>1" Hexagon</u></td> </tr> <tr> <td>1/4" - 20 NC</td> <td>1420</td> <td>6520</td> </tr> <tr> <td>1/4" - 28 NF</td> <td>1423</td> <td>6523</td> </tr> <tr> <td>5/16" - 18 NC</td> <td>1427</td> <td>6527</td> </tr> <tr> <td>5/16" - 24 NF</td> <td>1429</td> <td>6529</td> </tr> <tr> <td>3/8" - 16 NC</td> <td>1434</td> <td>6534</td> </tr> <tr> <td>3/8" - 24 NF</td> <td>1436</td> <td>6536</td> </tr> <tr> <td>7/16" - 14 NC</td> <td>1439</td> <td>6539</td> </tr> <tr> <td>7/16" - 20 NF</td> <td>1440</td> <td>6540</td> </tr> <tr> <td>1/2" - 13 NC</td> <td>1444</td> <td>6544</td> </tr> <tr> <td>1/2" - 20 NF</td> <td>1445</td> <td>6545</td> </tr> <tr> <td colspan="3"><u>Pipe</u></td> </tr> <tr> <td></td> <td></td> <td><u>1" Hexagon</u></td> </tr> <tr> <td>1/8" - 27 NPT</td> <td>1902</td> <td>6702</td> </tr> <tr> <td colspan="3"><u>Threading Tools</u></td> </tr> <tr> <td></td> <td></td> <td><u>Stock #</u></td> </tr> <tr> <td>Adj. Die Stock - 1" Hexagon Dies</td> <td></td> <td>11026</td> </tr> <tr> <td>Plain Die Stock - 5/8" Hexagon Dies</td> <td></td> <td>12457</td> </tr> <tr> <td>Adj. Handle Tap Wrench - Taps No. 0 to 1/2"</td> <td></td> <td>311088</td> </tr> <tr> <td>T-Handle Wrench - Taps No. 0 to 1/4"</td> <td></td> <td>12473</td> </tr> <tr> <td>Two-in-One Tap Wrench - Taps 1/4" to 1/2"</td> <td></td> <td>12450</td> </tr> <tr> <td>18 Leaf Standard Thread Pitch Gauge</td> <td></td> <td>11018</td> </tr> <tr> <td>Screwdriver</td> <td></td> <td></td> </tr> </tbody> </table>	Thread Size	Tap Stock #	Die Stock #	<u>Machine Screw</u>				<u>Plug Style</u>	<u>5/8" Hexagon</u>	4 - 40 NC	1112	6112	6 - 32 NC	1118	6118	8 - 32 NC	1124	6124	10 - 24 NC	1128	6128	10 - 32 NF	1131	6131	12 - 24 NC	1132	6132	<u>Fractional</u>					<u>1" Hexagon</u>	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	<u>Pipe</u>					<u>1" Hexagon</u>	1/8" - 27 NPT	1902	6702	<u>Threading Tools</u>					<u>Stock #</u>	Adj. Die Stock - 1" Hexagon Dies		11026	Plain Die Stock - 5/8" Hexagon Dies		12457	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088	T-Handle Wrench - Taps No. 0 to 1/4"		12473	Two-in-One Tap Wrench - Taps 1/4" to 1/2"		12450	18 Leaf Standard Thread Pitch Gauge		11018	Screwdriver			
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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																																																																																																			
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Screwdriver																																																																																																					
	Empty Plastic Case for 24606	24606MT																																																																																																			
41 pc Set	Contents same as 24606, in Clamshell	24607																																																																																																			



# HANSON® TAP AND DIE SETS

## Metric Tap and Die Super Set

- Plastic storage case

Description	Contents	Stock #
41 pc Set	Metric Sizes 3 mm to 12 mm	26317
	Thread Size	Tap Stock #
	<u>Metric</u>	<u>Plug Style</u>
		<u>5/8" Die Stock #</u>
	3 mm - 0.50	1712
	4 mm - 0.70	1717
	4 mm - 0.75	1718
	5 mm - 0.80	1722
	5 mm - 0.90	1723
	6 mm - 1.00	1727
		<u>1" Die Stock #</u>
	7 mm - 1.00	1731
	8 mm - 1.00	1733
	8 mm - 1.25	1734
	9 mm - 1.00	1736
	9 mm - 1.25	1737
	10 mm - 1.25	1739
	10 mm - 1.50	1740
	11 mm - 1.50	1741
	12 mm - 1.50	1743
	12 mm - 1.75	1744
	<u>Pipe</u>	<u>Stock #</u>
	1/8" - 28 BSP	1911
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1" Hexagon Dies	11026
	Plain Die Stock - 5/8" Hexagon Dies	12457
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"	311088
	T-Handle Wrench - Taps No. 0 to 1/4"	12473
	Two-in-One Tap Wrench - Taps 1/4" to 1/2"	12450
	16 Leaf Metric Thread Pitch Gauge	11016
	Screwdriver	



26317

Empty Plastic Case for 26317

26317MT

# HANSON® TAP AND DIE SETS

## Fractional/Metric Tap and Die Super Set

- Plastic storage case



26319

Description	Contents	Stock #
41 pc Set	Combination Machine Screw, Fractional and Metric	26319
	Thread Size	Tap Stock #
	Machine Screw	Plug Style
		Die Stock #
		5/8" Hexagon
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	Fractional	1" Hexagon
	1/4" - 20 NC	1420
	5/16" - 18 NC	1427
	3/8" - 16 NC	1434
	7/16" - 14 NC	1439
	1/2" - 13 NC	1444
	1/8" - 27 NPT	1902
	Metric	5/8" Hexagon
	4 mm - 0.75 mm	1718
	5 mm - 0.80 mm	1722
	6 mm - 1.00 mm	1727
		1" Hexagon
	7 mm - 1.00 mm	1731
	8 mm - 1.25 mm	1734
	10 mm - 1.25 mm	1739
	10 mm - 1.50 mm	1740
	12 mm - 1.75 mm	1744
	Threading Tools	Stock #
	Adj. Die Stock - 1" Hexagon Dies	11026
	Plain Die Stock - 5/8" Hexagon Dies	12457
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"	311088
	T-Handle Wrench - Taps No. 0 to 1/4"	12473
	Two-in-One Tap Wrench - Taps 1/4" to 1/2"	12450
	Standard and Metric Thread Pitch Gauge	11017
	Screwdriver	

Empty Plastic Case for 26319

26319MT

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Adjustable / Solid Round Die Super Set

- Plastic storage case

Description	Contents	Stock #																																																																																	
41 pc Set	Fractional Sizes 1/4" to 3/4"	25941																																																																																	
	<table border="1"> <thead> <tr> <th>Thread Size</th> <th>Tap Stock #</th> <th>Die Stock #</th> </tr> <tr> <th><u>Fractional</u></th> <th><u>Plug Style</u></th> <th><u>1-1/2" Adj. Round</u></th> </tr> </thead> <tbody> <tr><td>1/4" - 20 NC</td><td>1420</td><td>4020</td></tr> <tr><td>1/4" - 28 NF</td><td>1423</td><td>4023</td></tr> <tr><td>5/16" - 18 NC</td><td>1427</td><td>4027</td></tr> <tr><td>5/16" - 24 NF</td><td>1429</td><td>4029</td></tr> <tr><td>3/8" - 16 NC</td><td>1434</td><td>4034</td></tr> <tr><td>3/8" - 24 NF</td><td>1436</td><td>4036</td></tr> <tr><td>7/16" - 14 NC</td><td>1439</td><td>4039</td></tr> <tr><td>7/16" - 20 NF</td><td>1440</td><td>4040</td></tr> <tr><td>1/2" - 13 NC</td><td>1444</td><td>4044</td></tr> <tr><td>1/2" - 20 NF</td><td>1445</td><td>4045</td></tr> <tr><td>9/16" - 12 NC</td><td>1448</td><td>4048</td></tr> <tr><td>9/16" - 18 NF</td><td>1449</td><td>4049</td></tr> <tr><td>5/8" - 11 NC</td><td>1452</td><td>4052</td></tr> <tr><td>5/8" - 18 NF</td><td>1454</td><td>4054</td></tr> <tr><td>3/4" - 10 NC</td><td>1458</td><td>4058</td></tr> <tr><td>3/4" - 16 NF</td><td>1460</td><td>4060</td></tr> <tr> <th><u>Pipe</u></th> <th></th> <th><u>1-1/2" Solid Round</u></th> </tr> <tr><td>1/8" - 27 NPT</td><td>1902</td><td>4102</td></tr> <tr><td>1/4" - 18 NPT</td><td>1903</td><td>4103</td></tr> <tr> <th><u>Threading Tools</u></th> <th></th> <th><u>Stock #</u></th> </tr> <tr><td>Adj. Die Stock - 1-1/2" Round Dies</td><td></td><td>12435</td></tr> <tr><td>T-Handle Wrench - Taps 1/4" to 1/2"</td><td></td><td>12402</td></tr> <tr><td>Adj. Handle Tap Wrench - Taps 1/4" to 1"</td><td></td><td>12498</td></tr> <tr><td>18 Leaf Standard Thread Pitch Gauge</td><td></td><td>11018</td></tr> <tr><td>Screwdriver</td><td></td><td></td></tr> </tbody> </table>	Thread Size	Tap Stock #	Die Stock #	<u>Fractional</u>	<u>Plug Style</u>	<u>1-1/2" Adj. Round</u>	1/4" - 20 NC	1420	4020	1/4" - 28 NF	1423	4023	5/16" - 18 NC	1427	4027	5/16" - 24 NF	1429	4029	3/8" - 16 NC	1434	4034	3/8" - 24 NF	1436	4036	7/16" - 14 NC	1439	4039	7/16" - 20 NF	1440	4040	1/2" - 13 NC	1444	4044	1/2" - 20 NF	1445	4045	9/16" - 12 NC	1448	4048	9/16" - 18 NF	1449	4049	5/8" - 11 NC	1452	4052	5/8" - 18 NF	1454	4054	3/4" - 10 NC	1458	4058	3/4" - 16 NF	1460	4060	<u>Pipe</u>		<u>1-1/2" Solid Round</u>	1/8" - 27 NPT	1902	4102	1/4" - 18 NPT	1903	4103	<u>Threading Tools</u>		<u>Stock #</u>	Adj. Die Stock - 1-1/2" Round Dies		12435	T-Handle Wrench - Taps 1/4" to 1/2"		12402	Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498	18 Leaf Standard Thread Pitch Gauge		11018	Screwdriver			
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1/2" - 13 NC	1444	4044																																																																																	
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Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498																																																																																	
18 Leaf Standard Thread Pitch Gauge		11018																																																																																	
Screwdriver																																																																																			

Empty Plastic Case for 25941

25941MT



25941

Taps, Dies and Screw Extractors

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Solid Round Die Super Set

- Plastic storage case



23614

Description	Contents	Stock #	
39 pc Set	Machine Screw and Fractional Sizes No. 4 to 1/2"	23614	
	Thread Size	Tap Stock #	
	Machine Screw	Plug Style	
		Die Stock #	
		1" Solid Round	
	4 - 40 NC	1112	3012
	6 - 32 NC	1118	3018
	8 - 32 NC	1124	3024
	10 - 24 NC	1128	3028
	10 - 32 NF	1131	3031
	12 - 24 NC	1132	3032
	<u>Fractional</u>		
	1/4" - 20 NC	1420	3120
	1/4" - 28 NF	1423	3123
	5/16" - 18 NC	1427	3127
	5/16" - 24 NF	1429	3129
	3/8" - 16 NC	1434	3134
	3/8" - 24 NF	1436	3136
	7/16" - 14 NC	1439	3139
	7/16" - 20 NF	1440	3140
	1/2" - 13 NC	1444	3144
	1/2" - 20 NF	1445	3145
	<u>Pipe</u>		
	1/8" - 27 NPT	1902	3202
	<u>Threading Tools</u>		<u>Stock #</u>
	Adj. Die Stock - 1" Solid Round Dies		11025
	T-Handle Wrench - Taps No. 0 to 1/4"		12401
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
	18 Leaf Standard Thread Pitch Gauge		11018
	Screwdriver		

Empty Plastic Case for 23614

23614MT

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Adjustable Round Die Set

- Plastic storage case

Description	Contents	Stock #
39 pc Set	Machine Screw and Fractional Sizes No. 4 to 1/2"	25914
	Thread Size	Tap Stock # Die Stock #
	<u>Machine Screw</u>	<u>Plug Style</u> <u>1-1/2" Adj. Round</u>
	4 - 40 NC	1112 3712
	6 - 32 NC	1118 3718
	8 - 32 NC	1124 3724
	10 - 24 NC	1128 3728
	10 - 32 NF	1131 3731
	12 - 24 NC	1132 3732
	<u>Fractional</u>	
	1/4" - 20 NC	1420 3820
	1/4" - 28 NF	1423 3823
	5/16" - 18 NC	1427 3827
	5/16" - 24 NF	1429 3829
	3/8" - 16 NC	1434 3834
	3/8" - 24 NF	1436 3836
	7/16" - 14 NC	1439 3839
	7/16" - 20 NF	1440 3840
	1/2" - 13 NC	1444 3844
	1/2" - 20 NF	1445 3845
	<u>Pipe</u>	
	1/8" - 27 NPT	1902 3202
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1" Adj. Round Dies	12428
	T-Handle Wrench - Taps No. 0 to 1/4"	12401
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"	311088
	18 Leaf Standard Thread Pitch Gauge	11018
	Screwdriver	



25914

Empty Plastic Case for 25914

25914MT

# HANSON® TAP AND DIE SETS

## Fractional Tap and Hexagon Die Master Set

- Plastic storage case



97094

Description	Contents	Stock #
25 pc Set	Fractional Sizes 9/16" to 1"	97094
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		<u>Die Stock #</u>
		<u>1-7/16" Hexagon</u>
	9/16" - 12 NC	1448
	9/16" - 18 NF	1449
	5/8" - 11 NC	1452
	5/8" - 18 NF	1454
	3/4" - 10 NC	1458
	3/4" - 16 NF	1460
		<u>1-13/16" Hexagon</u>
	7/8" - 9 NC	1461
	7/8" - 14 NF	1463
	1" - 8 NC	1465
	1" - 14 NS	1467
	<u>Pipe</u>	<u>1-7/16" Hexagon</u>
	1/4" - 18 NPT	1903
		7003
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1-7/16" Hexagon Dies	12436
	Adj. Die Stock - 1-13/16" Hexagon Dies	12446
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498

Empty Plastic Case for 97094

97094MT

## Fractional Tap and Adjustable Round Die Master Set

- Plastic storage case



98000

Description	Contents	Stock #
25 pc Set	Fractional Sizes 9/16" to 1"	98000
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		<u>Die Stock #</u>
		<u>1-1/2" Adj. Round</u>
	9/16" - 12 NC	1448
	9/16" - 18 NF	1449
	5/8" - 11 NC	1452
	5/8" - 18 NF	1454
	3/4" - 10 NC	1458
	3/4" - 16 NF	1460
		<u>2" Adj. Round</u>
	7/8" - 9 NC	1461
	7/8" - 14 NF	1463
	1" - 8 NC	1465
	1" - 14 NS	1467
	<u>Pipe</u>	<u>1-1/2" Solid Round</u>
	1/4" - 18 NPT	1903
		4103
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1-1/2" Adj. Round Dies	12435
	Adj. Die Stock - 2" Adj. Round Dies	12445
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498

Empty Plastic Case for 98000

98000MT

- Wooden storage case

25 pc Set	Fractional Sizes 9/16" to 1"	99000
	Contents Identical to Set 98000 with wooden case	

Empty Wooden Case for 99000

99000MT

# HANSON® TAP AND DIE SETS

## Metric Tap and Hexagon Die Master Set

Description	Contents	Stock #
25 pc Set	Metric Sizes 14 mm to 24 mm	97311
	Thread Size	Tap Stock #
	<u>Metric</u>	<u>Plug Style</u>
		<u>Die Stock #</u>
		<u>1-7/16" Hexagon</u>
	14 mm - 1.25 mm	2449*
	14 mm - 1.50 mm	1750
	14 mm - 2.00 mm	1752
	16 mm - 1.50 mm	1755
	16 mm - 2.00 mm	1756
	18 mm - 1.50 mm	1759
	18 mm - 2.50 mm	1761
		<u>1-13/16" Hexagon</u>
	20 mm - 2.50 mm	1764
	22 mm - 1.50 mm	1765
	24 mm - 2.00 mm	1768
	24 mm - 3.00 mm	1769
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1-7/16" Hexagon Dies	12436
	Adj. Die Stock - 1-13/16" Hexagon Dies	12446
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498

• Plastic storage case



97311

Empty Plastic Case for 97311

97311MT

\* Spark plug tap

## High Carbon Steel Tap and Hexagon Die Set

Description	Contents	Stock #
24 pc Set	Fractional Sizes 1/4" to 1/2"	24614
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		<u>Die Stock #</u>
		<u>1" Hexagon</u>
	1/4" - 20 NC	1420
	1/4" - 28 NF	1423
	5/16" - 18 NC	1427
	5/16" - 24 NF	1429
	3/8" - 16 NC	1434
	3/8" - 24 NF	1436
	7/16" - 14 NC	1439
	7/16" - 20 NF	1440
	1/2" - 13 NC	1444
	1/2" - 20 NF	1445
	<u>Pipe</u>	
	1/8" - 27 NPT	1902
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 1" Hexagon Dies	11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421

• Plastic storage case



24614

Taps, Dies and Screw Extractors



# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Solid Round Die Set

- Plastic storage case



23622

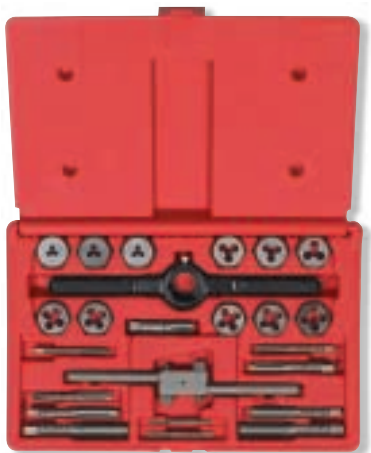
Description	Contents		Stock #
24 pc Set	Fractional Sizes 1/4" to 1/2"		23622
	Thread Size	Tap Stock #	Die Stock #
	<u>Fractional</u>	<u>Plug Style</u>	<u>1" Solid Round</u>
	1/4" - 20 NC	1420	3120
	1/4" - 28 NF	1423	3123
	5/16" - 18 NC	1427	3127
	5/16" - 24 NF	1429	3129
	3/8" - 16 NC	1434	3134
	3/8" - 24 NF	1436	3136
	7/16" - 14 NC	1439	3139
	7/16" - 20 NF	1440	3140
	1/2" - 13 NC	1444	3144
	1/2" - 20 NF	1445	3145
	<u>Pipe</u>		
	1/8" - 27 NPT	1902	3202
	<u>Threading Tools</u>		<u>Stock #</u>
	Plain Die Stock - 1" Hexagon Dies		11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"		12421

Empty Plastic Case for 23622

23622MT

## Metric Tap and Hexagon Die Set

- Plastic storage case



26313

Description	Contents		Stock #
24 pc Set	Metric Sizes 3 mm to 12 mm		26313
	Thread Size	Tap Stock #	Die Stock #
	<u>Metric</u>	<u>Plug Style</u>	<u>1" Hexagon</u>
	3 mm - 0.50	1712	6612
	4 mm - 0.70	1717	6617
	5 mm - 0.80	1722	6622
	6 mm - 1.00	1727	6627
	7 mm - 1.00	1731	6631
	8 mm - 1.25	1734	6634
	9 mm - 1.25	1737	6637
	10 mm - 1.50	1740	6640
	12 mm - 1.50	1743	6643
	12 mm - 1.75	1744	6644
	<u>Pipe</u>		
	1/8" - 28 BSP	1911	6711
	<u>Threading Tools</u>		<u>Stock #</u>
	Plain Die Stock - 1" Hexagon Dies		11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"		12421

# HANSON® TAP AND DIE SETS

## Machine Screw Tap and Adjustable Round Die Set

Description	Contents	Stock #
23 pc Set	Machine Screw Sizes No. 0 to No. 12	25923
	Thread Size	Tap Stock #
	<u>Machine Screw</u>	<u>Plug Style</u>
		<u>13/16" Adj. Round</u>
	0 - 80 NF	1102
	1 - 64 NC	1104
	2 - 56 NC	1106
	3 - 48 NC	1108
	4 - 40 NC	1112
	5 - 40 NC	1116
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	12 - 24 NC	1132
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 13/16" Adj. Round Dies	12416
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421
	T-Handle Wrench - Taps No. 0 to 1/4"	12401

• Wooden storage case



25923

Empty Wooden Case for 25923

25923MT

## Fractional Tap and Adjustable Round Die Set

Description	Contents	Stock #
22 pc Set	Fractional Sizes 9/16" to 1"	25922
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		<u>2" Adj. Round</u>
	9/16" - 12 NC	1448
	9/16" - 18 NF	1449
	5/8" - 11 NC	1452
	5/8" - 18 NF	1454
	3/4" - 10 NC	1458
	3/4" - 16 NF	1460
	7/8" - 9 NC	1461
	7/8" - 14 NF	1463
	1" - 8 NC	1465
	1" - 12 NF	1466
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 2" Adj. Round Dies	12455
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498

• Wooden storage case



25922

Empty Wooden Case for 25922

25922MT

Taps, Dies and Screw Extractors

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Adjustable Round Die Set

- Wooden storage case



25926

Description	Contents	Stock #
21 pc Set	Fractional Sizes 1/4" to 3/4"	25926
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		Die Stock #
		<u>1-1/2" Adj. Round</u>
	1/4" - 20 NC	1420
	5/16" - 18 NC	1427
	3/8" - 16 NC	1434
	7/16" - 14 NC	1439
	1/2" - 13 NC	1444
	9/16" - 12 NC	1448
	5/8" - 11 NC	1452
	3/4" - 10 NC	1458
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1-1/2" Adj. Round Dies	12435
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498
	T-Handle Tap Wrench - Tap 1/4" to 1/2"	12402
	18 Leaf Standard Thread Gauge	11018
	Screwdriver	

Empty Wooden Case for 25926

25926MT

## Fractional Tap and Hexagon Die "Best 8" Set

- Contains the eight best selling taps and dies
- Plastic storage case keeps tools organized
- Set contains; general purpose plug taps, hexagon dies and the appropriate threading tools



24608

Description	Contents	Carded Stock #
18 pc Set	Top 8 Machine Screw and Fractional Sizes	24608
	Thread Size	Tap Stock #
	<u>Machine Screw</u>	<u>Plug Style</u>
		Die Stock #
		<u>1" Hexagon</u>
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	<u>Fractional</u>	
	1/4" - 20 NC	1420
	5/16" - 18 NC	1427
	3/8" - 16 NC	1434
	1/2" - 13 NC	1444
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 1" Hexagon Dies	11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421

18 pc Set

Top 8 Machine Screw and Fractional Sizes (in vinyl pouch)

24618

Empty Plastic Case for 24618

24618MT

# HANSON® TAP AND DIE SETS

## Metric Tap and Hexagon "Best 8" Set

Description	Contents	Carded Stock #
18 pc Set	Top 8 Metric Sizes	24609
	Thread Size	Tap Stock #
	<u>Metric</u>	<u>Plug Style</u>
	3 mm - 0.50	1712
	4 mm - 0.70	1717
	5 mm - 0.80	1722
	5 mm - 0.90	1723
	6 mm - 1.00	1727
	8 mm - 1.25	1734
	10 mm - 1.50	1740
	12 mm - 1.75	1744
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 1" Hexagon Dies	11008
	Offset Adj. Tap Wrench - Taps 3 to 12 mm	12421

- Contains the eight best selling metric taps and dies
- Plastic storage case keeps tools organized
- Set contains; general purpose plug taps, hexagon dies and the appropriate threading tools



24609

## Fractional Tap and Hexagon Die "Best 5" Set

Description	Contents	Carded Stock #
12 pc Set	Home Threading Kit	24605
	Thread Size	Tap Stock #
	<u>Machine Screw</u>	<u>Plug Style</u>
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	<u>Fractional</u>	
	1/4" - 20 NC	1420
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 5/8" Hexagon Dies	12457
	T-Handle Tap Wrench - Tap No. 0 to 1/4"	12401

- Carded set
- Top 5 machine screw and fractional sizes



24605

## Metric Tap and Hexagon "Best 5" Set

Description	Contents	Carded Stock #
12 pc Set	Top 5 Metric Sizes	24604
	Thread Size	Tap Stock #
	<u>Metric</u>	<u>Plug Style</u>
	3 mm - 0.50	1712
	4 mm - 0.70	1717
	5 mm - 0.80	1722
	5 mm - 0.90	1723
	6 mm - 1.00	1727
	<u>Threading Tools</u>	<u>Stock #</u>
	Plain Die Stock - 5/8" Hexagon Dies	12457
	Offset Adj. Tap Wrench - Taps 3 to 12 mm	12401

- Carded set
- Top 5 metric sizes

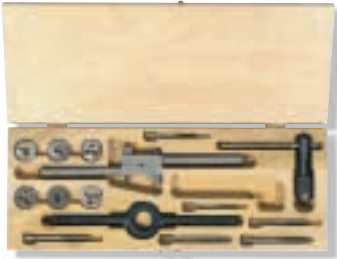


24604

# HANSON® TAP AND DIE SETS

## High Carbon Steel Tap and Adjustable Round Die Set

- Wooden storage case



25915

Description	Contents	Stock #
15 pc Set	Machine Screw Sizes No. 4 to No. 12	25915
	Thread Size	Tap Stock #
	Machine Screw	Plug Style
		Die Stock #
		13/16" Adj. Round
	4 - 36 NS	1111
	6 - 32 NC	1118
	8 - 32 NC	1124
	10 - 24 NC	1128
	10 - 32 NF	1131
	12 - 24 NC	1132
	Threading Tools	Stock #
	Plain Die Stock - 13/16" Round Dies	12416
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421
	T-Handle Tap Wrench - Tap No. 0 to 1/4"	12401

Empty Wooden Case for 25915

25915MT

## High Carbon Steel Tap and Hexagon Die Set

- Plastic storage case



24612

Description	Contents	Stock #
12 pc Set	Fractional Sizes 1/4" to 1/2"	24612
	Thread Size	Tap Stock #
	Fractional	Plug Style
		Die Stock #
		1" Hexagon
	1/4" - 20 NC	1420
	5/16" - 18 NC	1427
	3/8" - 16 NC	1434
	7/16" - 14 NC	1439
	1/2" - 13 NC	1444
	Threading Tools	Stock #
	Plain Die Stock - 1" Hexagon Dies	11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421

Empty Plastic Case for 24612

24612MT

## High Carbon Steel Tap and Solid Round Die Set

- Plastic storage case



23612

Description	Contents	Stock #
12 pc Set	Fractional Sizes 1/4" to 1/2"	23612
	Thread Size	Tap Stock #
	Fractional	Plug Style
		Die Stock #
		1" Solid Round
	1/4" - 20 NC	1420
	5/16" - 18 NC	1427
	3/8" - 16 NC	1434
	7/16" - 14 NC	1439
	1/2" - 13 NC	1444
	Threading Tools	Stock #
	Plain Die Stock - 1" Round Dies	11008
	Offset Adj. Tap Wrench - Taps No. 0 to 1/2"	12421

# HANSON® TAP AND DIE SETS

## High Speed Steel Cut Thread Tap and Adjustable Die Super Set

Description	Contents	Stock #
41 pc Set	Fractional Sizes 1/4" to 3/4"	543715
	Thread Size	Tap Stock #
	<u>Fractional</u>	<u>Plug Style</u>
		<u>1-1/2" Adj. Round</u>
	1/4" - 20 NC	413010
	1/4" - 28 NF	413012
	5/16" - 18 NC	413015
	5/16" - 24 NF	413016
	3/8" - 16 NC	413018
	3/8" - 24 NF	413019
	7/16" - NC	413020
	7/16" - 20 NF	413021
	1/2" - 13 NC	413022
	1/2" - 20 NF	413023
	9/16" - 12 NC	413024
	9/16" - 18 NF	413025
	5/8" - 11 NC	413026
	5/8" - 18 NF	413027
	3/4" - 10 NC	413028
	3/4" - 16 NF	413029
	1/8" - 27 NPT	459001
	1/4" - 18 NPT	459002
	<u>Threading Tools</u>	<u>Stock #</u>
	Adj. Die Stock - 1-1/2" Round Dies	12435
	T-Handle Wrench - Taps 1/4" to 1/2"	12402
	Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498
	18 Leaf Standard Thread Gauge	11018
	Screwdriver	

• Plastic storage case



543715



# HANSON® TAP AND DIE SETS

## High Speed Steel Cut Thread Tap and Adjustable Round Die Super Set

- Plastic storage case



541614

Description	Contents	Stock #	
39 pc Set	Machine Screw and Fractional Sizes No. 4 to 1/2"	541614	
	Thread Size	Tap Stock #	
	Machine Screw	Plug Style	
		Die Stock #	
		1" Adj. Round	
	4 - 40 NC	403009	502009
	6 - 32 NC	403015	502014
	8 - 32 NC	403019	502018
	10 - 24 NC	403022	502021
	10 - 32 NF	403023	502022
	12 - 24 NC	403025	502024
	Fractional		
	1/4" - 20 NC	413010	502038
	1/4" - 28 NF	413012	502039
	5/16" - 18 NC	413015	502041
	5/16" - 24 NF	413016	502042
	3/8" - 16 NC	413018	502044
	3/8" - 24 NF	413019	502045
	7/16" - 14 NC	413020	502046
	7/16" - 20 NF	413021	502047
	1/2" - 13 NC	413022	502048
	1/2" - 20 NF	413023	502049
	Pipe		
	1/8" - 27 NPT	459001	502101
	Threading Tools		Stock #
	Adjustable Die Stock - 1" Adj. Round Dies		12428
	T-Handle Wrench - Taps No. 0 to 1/4"		12401
	Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
	18 Leaf Standard Thread Pitch Gauge		11018
	Screwdriver		

## High Speed Steel Cut Thread Tap and Adjustable Round Die Set

- Wooden storage case

Description	Contents	Stock #	
21 pc Set	Fractional Sizes 1/4" to 3/4"	553515	
	Thread Size	Tap Stock #	
	Fractional	Plug Style	
		Die Stock #	
		1-1/2" Adj. Round	
	1/4" - 20 NC	413010	503038
	5/16" - 18 NC	413015	503041
	3/8" - 16 NC	413018	503044
	7/16" - 14 NC	413020	503046
	1/2" - 13 NC	413022	503048
	9/16" - 12 NC	413024	503051
	5/8" - 11 NC	413026	503053
	3/4" - 10 NC	413028	503057
	Threading Tools		Stock #
	Adj. Die Stock - 1-1/2" Adj. Round Dies		12435
	Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
	T-Handle Tap Wrench - Tap 1/4" to 1/2"		12402
	18 Leaf Standard Thread Gauge		11018
	Screwdriver		



# HANSON® SCREW EXTRACTORS

## Spiral Screw Extractor

### Material Construction

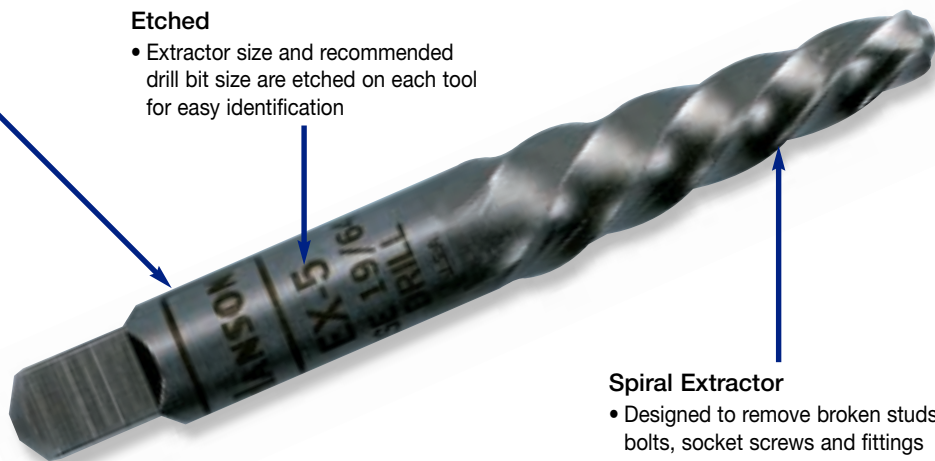
- Made from rugged, high carbon steel to handle the stress of removing broken bolts

### Etched

- Extractor size and recommended drill bit size are etched on each tool for easy identification

### Method of Use

- After drilling hole with either right or left handed drill bit, (left is recommended) insert extractor, turn counter clockwise
- Grips into sides of drill hole and removes broken part without damaging the threaded hole



### Spiral Extractor

- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left hand spiral design for extra gripping power

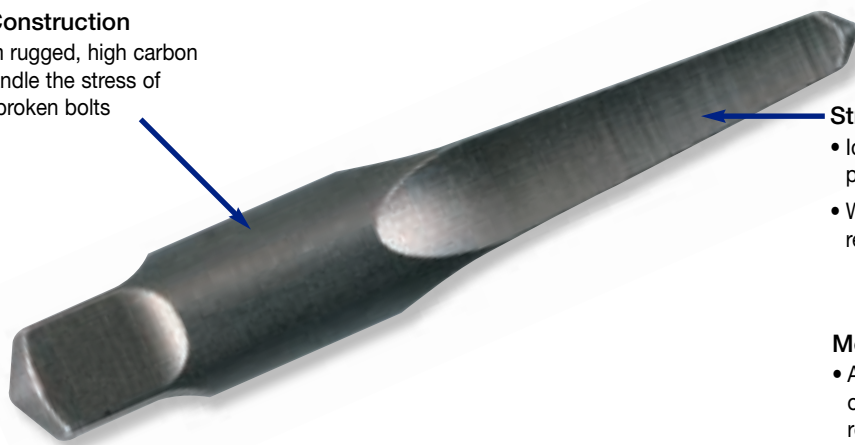
## Straight Screw Extractor

### Material Construction

- Made from rugged, high carbon steel to handle the stress of removing broken bolts

### Etched

- Extractor size and recommended drill bit size are etched on each tool for easy identification



### Straight Extractor

- Ideal for soft materials or thin-walled pieces such as pipe and fittings
- Will not expand soft material being removed resulting in easier removal

### Method of Use

- After drilling hole with either right or left handed drill bit, (left is recommended) insert extractor, turn counter clockwise
- Grips into sides of drill hole and removes broken part without damaging the threaded hole

## Multi-Spline Screw Extractor

### Hex Shank

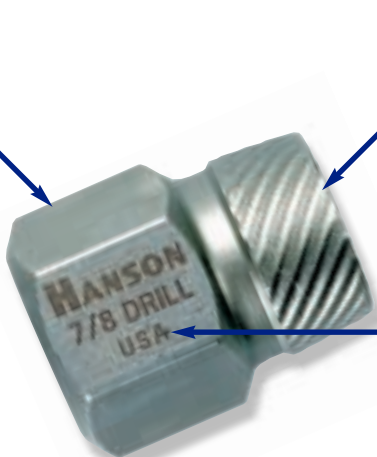
- Designed to be used with socket or flat wrenches

### Material Type

- Tough C4150 alloy steel construction

### Fine Knurl

- Designed for increased spline strength as well as maximum tool life



### Multi-Spline Extractor

- Designed to remove broken studs, bolts, socket screws, and fittings
- Aggressive left hand spiral design for extra gripping power
- Multi-spline design creates a greater gripping area for more torque

### Etched

- Extractor size and recommended drill bit size are etched on each tool for easy identification

# HANSON® SCREW EXTRACTORS

## Spiral Flute 534/524 Series

- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left hand spiral design for extra gripping power



52405

Description	Use Drill Size	Removes Bolts and Screws	Carded Stock #	Bulk Stock #
EX - 1	5/64"	3/32" - 5/32", 2.5 mm - 4 mm, No. 3 - No. 6	53401	52401
EX - 2	7/64"	5/32" - 7/32", 4 mm - 6 mm, No. 6 - No. 12	53402	52402
EX - 3	5/32"	7/32" - 9/32", 6 mm - 8 mm, No. 12	53403	52403
EX - 4	1/4"	9/32" - 3/8" and 1/8" NPT, 1/8" BSP, 8 mm - 10 mm	53404	52404
EX - 5	19/64"	3/8" - 5/8" and 1/4" NPT, 1/4" BSP, 10 mm - 16 mm	53405	52405
EX - 6	13/32"	5/8" - 7/8" and 3/8" NPT, 3/8" BSP, 16 mm - 22 mm	53406	52406
EX - 7	17/32"	7/8" - 1-1/8" and 1/2" NPT, 1/2" BSP, 22 mm - 27 mm	53407	52407
EX - 8	13/16"	1-1/8" - 1-3/8" and 3/4" NPT, 3/4" BSP, 27 mm - 36 mm	-	52408
EX - 9	1-1/16"	1-3/8" - 2" and 1" NPT, 1" BSP, 36 mm - 52 mm	-	52409
EX - 10	1-15/16"	2-1/8" - 2-1/2" and 1-1/4" NPT, 1-1/4" BSP, 52 mm - 68 mm	-	52410

## Spiral Flute - 535/524 Series - Plastic Pouched Sets



53535

Description	Contents	Carded Stock #	Bulk Stock #
4 pc Set	EX-2 - EX-5	53425	52425
5 pc Set	EX-1 - EX-5	53535	52435
6 pc Set	EX-1 - EX-6	53545	52445
9 pc Set	EX-1 - EX-9	-	52490

## Straight Flute - 536/526 Series

- Will not expand material being removed resulting in easier removal



52605

Description	Use Drill Size	Removes Bolts and Screws	Carded Stock #	Bulk Stock #
ST - 1	9/64"	3/16" - 5/16", 5 mm - 8 mm, No. 10	53601	52601
ST - 2	3/16"	3/8", 10 mm	53602	52602
ST - 3	15/64"	7/16" and 1/8" NPT, 10 mm, 1/8" BSP	53603	52603
ST - 4	5/16"	1/2" - 9/16" and 1/4" NPT, 12 mm - 14 mm, 1/4" BSP	53604	52604
ST - 5	3/8"	5/8" and 3/8" NPT, 16 mm, 3/8" BSP	53605	52605
ST - 6	15/32"	3/4" and 1/2" NPT, 20 mm, 1/2" BSP	53606	52606
ST - 7	9/16"	7/8", 22 mm, 5/8" BSP	53607	52607

# HANSON® SCREW EXTRACTORS

## Straight Flute - 536/526 Series - Plastic Pouch Sets

Description	Contents	Carded Stock #	Bulk Stock #
4 pc Set	ST-2 - ST-5	53625	52625
5 pc Set	ST-1 - ST-5	53635	52635
6 pc Set	ST-1 - ST-6	53645	52655



52625

## Hex Head Multi-Spline - 522/532 Series

Description	Hex Head Size	Bolt Diameter	Drill Bit Diameter	Carded Stock #	Bulk Stock #
1/8"	1/2"	#12	1/8"	52201	53201
5/32"	1/2"	1/4"	5/32"	52202	53202
3/16"	1/2"	5/16"	3/16"	52203	53203
7/32"	1/2"	3/8"	7/32"	52204	53204
1/4"	1/2"	7/16"	1/4"	52205	53205
9/32"	1/2"	1/2"	9/32"	52206	53206
5/16"	1/2"	9/16"	5/16"	52207	53207
11/32"	1/2"	5/8"	11/32"	52208	53208
3/8"	1/2"	11/16"	3/8"	52209	53209
13/32"	1/2"	3/4"	13/32"	52210	53210
7/16"	5/8"	13/16"	7/16"	52211	53211
15/32"	5/8"	7/8"	15/32"	52212	53212
1/2"	5/8"	15/16"	1/2"	52213	53213
17/32"	3/4"	1"	17/32"	52214	53214
9/16"	3/4"	1-1/16"	9/16"	52215	53215
19/32"	3/4"	1-1/8"	19/32"	52216	53216
5/8"	3/4"	1-3/16"	5/8"	52217	53217
21/32"	7/8"	1-1/4"	21/32"	52218	53218
11/16"	7/8"	1-5/16"	11/16"	52219	53219
23/32"	7/8"	1-3/8"	23/32"	52220	53220
3/4"	7/8"	1-7/16"	3/4"	52221	53221
25/32"	1"	1-1/2"	25/32"	52222	53222
13/16"	1"	1-9/16"	13/16"	52223	53223
27/32"	1"	1-5/8"	27/32"	52224	53224
7/8"	1"	1-11/16"	7/8"	52225	53225

- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left hand spiral design for extra gripping power



53225

Taps, Dies and Screw Extractors

## Hex Head Multi-Spline - 532 Series Plastic Case Sets

Description	Contents	Stock #
10 pc Set	1/8" through 13/32"	53226
Empty Plastic Case for 53226		53226MT
15 pc Set	1/8" through 9/16"	53228
Empty Plastic Case for 53228		53228MT
25 pc Set	1/8" through 7/8"	53227
Empty Plastic Case for 53227		53227MT



53226

# HANSON® SCREW EXTRACTORS

## Spiral Extractor and Drill Bit - 537 Series Combo Packs

- Extractor is packaged with the correct size drill bit to make removal easier
- High speed steel drill bit ensures fast, clean drilling



53700



11117



53704

Description	Contents	Pouched Stock #	Carded Stock #
EX - 1 + 5/64" Drill Bit		-	53701
EX - 2 + 7/64" Drill Bit		-	53702
EX - 3 + 5/32" Drill Bit		-	53703
EX - 4 + 1/4" Drill Bit		-	53704
EX - 5 + 19/64" Drill Bit		-	53705
EX - 6 + 13/32" Drill Bit		-	53706
6 pc Set	Extractor and HSS Drill Bit Set	53700	
	Spiral Flute		
	<u>Extractors</u>	<u>Drill Bits</u>	
	EX-1 52401	5/64" 60105	
	EX-2 52402	7/64" 60107	
	EX-3 52403	5/32" 60110	
10 pc Set	Extractor and Cobalt Drill Bit Set in Vinyl Pouch		11117
	Spiral Flute		
	<u>Extractors</u>	<u>Drill Bits</u>	
	EX-1 52401	5/64" 63105	
	EX-2 52402	7/64" 63107	
	EX-3 52403	5/32" 63110	
	EX-4 52404	1/4" 63116	
	EX-5 52405	19/64" 63119	
10 pc Set	Extractor and Cobalt Drill Bit Set in Vinyl Pouch		11118
	Straight Flute		
	<u>Extractors</u>	<u>Drill Bits</u>	
	ST-1 52601	9/64" 63109	
	ST-2 52602	3/16" 63112	
	ST-3 52603	15/64" 63115	
	ST-4 52604	5/16" 63120	
	ST-5 52605	3/8" 63124	

# HANSON® SCREW EXTRACTORS

## Spiral Extractor and Drill Bit - 537 Series Combo Packs

Description	Contents	Stock #
10 pc Set	Extractor and Left Hand Cobalt in Metal Index Drill Bit Set	11119
	Spiral Flute	
	Extractors	Drill Bits
EX-1	52401	5/64" 30505
EX-2	52402	7/64" 30507
EX-3	52403	5/32" 30510
EX-4	52404	1/4" 30516
EX-5	52405	19/64" 30519
41 pc Set	Extractor and HSS Drill Bit Set in Vinyl Pouch	60151
	Spiral Flute	
	Extractors	Drill Bits
EX-1	52401	5/64" 60105
EX-2	52402	7/64" 60107
EX-3	52403	5/32" 60110
EX-4	52404	1/4" 60116
EX-5	52405	19/64" 60119
	Drill Bits	
No. 3	80103	5/16" 60120
No. 7	80107	21/64" 60121
No. 9	80109	3/8" 60124
No. 16	80116	25/64" 60125
No. 19	80119	13/32" 60126
No. 20	80120	27/64" 60127
No. 21	80121	29/64" 60129
No. 25	80125	B 40102
No. 29	80129	F 40106
No. 30	80130	H 40108
No. 36	80136	I 40109
No. 39	80139	J 40110D
No. 43	80143	O 40115
		Q 40117
		R 40118
		S 40119
		U 40121
		Z 40126



11119



60151

Taps, Dies and Screw Extractors

# HANSON® TAP & DRILL SELECTION CHART

Taps, Dies and Screw Extractors

Dia./Type	Dec. Equiv.	Recommended Fractional Tap	Recommended Machine Screw Tap	Recommended Metric Tap	Recrmed Screw Ext.	Dia./Type	Dec. Equiv.	Recommended Fractional Tap	Recommended Pipe Tap	Recommended Metric Tap	Recrmed Screw Ext.
1/64"	.0156					G	.2610				
1/32"	.0312					17/64"	.2656			8 mm - 1.25	
1.0 mm	.0394					H	.2660				
60	.0400					I	.2720	5/16" - 24 NF			
59	.0410					7.0 mm	.2756			8 mm - 1.00	
58	.0420					J	.2770			8 mm - 1.00	
57	.0430					K	.2810				
56	.0465					9/32"	.2812	5/16" - 32 NEF			
3/64"	.0469		0 - 80 NF			L	.2900				
55	.0520					M	.2950				
54	.0550					7.5 mm	.2953				
1.5 mm	.0591					19/64"	.2969				EX-5
53	.0595		1 - 64 NC, 1 - 72 NF			N	.3020			9 mm - 1.25	
1/16"	.0625					5/16"	.3125	3/8" - 16 NC			ST-4
52	.0635					8.0 mm	.3150			9 mm - 1.00	
51	.0670					O	.3160			9 mm - 1.00	
50	.0700		2 - 56 NC, 2 - 64 NF			P	.3230			9 mm - .75	
49	.0730					21/64"	.3281		1/8" - 28 BSP		
48	.0760					Q	.3320	3/8" - 24 NF			
5/64"	.0781		3 - 48 NC		EX-1	8.5 mm	.3346			10 mm - 1.50	
47	.0785					R	.3390		1/8" - 27 NPT	10 mm - 1.50	
2.0 mm	.0787					11/32"	.3438			10 mm - 1.25	
46	.0810					S	.3480				
45	.0820		3 - 56 NF			9.0 mm	.3543			10 mm - 1.00	
44	.0860		4 - 36 NS			T	.3580			10 mm - 1.00	
43	.0890		4 - 40 NC			23/64"	.3594				
42	.0935					U	.3680	7/16" - 14 NC			
3/32"	.0938		4 - 48 NF			9.5 mm	.3740			11 mm - 1.50	
41	.0960					3/8"	.3750			11 mm - 1.50	ST-5
40	.0980					V	.3770				
2.5 mm	.0984			3 mm - .50		W	.3860				
39	.0995			3 mm - .50		25/64"	.3906	7/16" - 20 NF			
38	.1015	1/8" - 40 NS	5 - 40 NC			10.0 mm	.3937				
37	.1040		5 - 44 NF			X	.3970				
36	.1065		6 - 32 NC			Y	.4040				
7/64"	.1094				EX-2	13/32"	.4062			12 mm - 1.75	EX-6
35	.1100					Z	.4130			12 mm - 1.50	
34	.1110		6 - 36 NS			10.5 mm	.4134			12 mm - 1.50	
33	.1130		6 - 40 NF			27/64"	.4219	1/2" - 13 NC		12 mm - 1.25	
32	.1160		6 - 48 NS			11.0 mm	.4331				
3.0 mm	.1181					7/16"	.4375		1/4" - 18 NPT		
31	.1200					11.5 mm	.4528				
1/8"	.1250					29/64"	.4531	1/2" - 20 NF, 1/2" - 24 NS	1/4" - 19 BSP		
30	.1285					15/32"	.4688			14 mm - 2.0	ST-6
29	.1360		8 - 32 NC, 8 - 36 NF	4 mm - .70, 4 mm - .75		12.0 mm	.4724			14 mm - 2.0	
3.5 mm	.1378					31/64"	.4844	9/16" - 12 NC			
28	.1405					12.5 mm	.4921			14 mm - 1.5	
9/64"	.1406		8 - 40 NS		ST-1	1/2"	.5000			14 mm - 1.25, 14 mm - 1.5	
27	.1440					13.0 mm	.5118			14 mm - 1.25	
26	.1470	3/16" - 24 NS				33/64"	.5156	9/16" - 18 NF			
25	.1495		10 - 24 NC			17/32"	.5313	5/8" - 11 NC			EX-7
24	.1520					35/64"	.5469			16 mm - 2.0	
23	.1540					9/16"	.5625		3/8" - 18 NPT		ST-7
5/32"	.1562	3/16" - 32 NS			EX-3	37/64"	.5781	5/8" - 18 NF	3/8" - 18 NPT	16 mm - 1.5	
22	.1570					19/32"	.5938	11/16" - 11 NS			
4.0 mm	.1575					39/64"	.6094			18 mm - 2.5	
21	.1590		10 - 32 NF			5/8"	.6250	11/16" - 16 NS			
20	.1600			5 mm - .90		41/64"	.6406				
19	.1660			5 mm - .80		21/32"	.6562	3/4" - 10 NC		18 mm - 1.5	
18	.1695					43/64"	.6719				
11/64"	.1719					11/16"	.6875	3/4" - 16 NF		20 mm - 2.5	
17	.1730					45/64"	.7031		1/2" - 14 NPT		
16	.1770		12 - 24 NC			23/32"	.7188				
4.5 mm	.1772					47/64"	.7344				
15	.1800					3/4"	.7500				
14	.1820		12 - 28 NF			49/64"	.7656	7/8" - 9 NC			
13	.1850		12 - 32 NEF			25/32"	.7812				
3/16"	.1875				ST-2	51/64"	.7969				
12	.1890					13/16"	.8125	7/8" - 14 NF		22 mm - 1.5	EX-8
11	.1910					53/64"	.8281			24 mm - 3.0	
10	.1935		14 - 20 NS			27/32"	.8438				
9	.1960					55/64"	.8594				
5.0 mm	.1969			6 mm - 1.00		7/8"	.8750	1" - 8 NC		24 mm - 2.0	
8	.1990			6 mm - 1.00		57/64"	.8906				
7	.2010	1/4" - 20 NC				29/32"	.9062				
13/64"	.2031		14 - 24 NS			59/64"	.9219	1" - 12 NF	3/4" - 14 NPT		
6	.2040					15/16"	.9375	1" - 14 NS			
5	.2055					61/64"	.9531				
4	.2090	1/4" - 24 NS				31/32"	.9688				
3	.2130	1/4" - 28 NF				63/64"	.9844	1-1/8" - 7 NC			
5.5 mm	.2165					1"	1.0000				
7/32"	.2188	1/4" - 32 NEF				1-1/64"	1.0156				
2	.2210					1-1/32"	1.0312				
1	.2280	1/4" - 40 NS				1-1/16"	1.0625				EX-9
A	.2340					1-3/32"	1.0938				
15/64"	.2344			7 mm - 1.00	ST-3	1-1/8"	1.1250				
6.0 mm	.2362			7 mm - 1.00		1-5/32"	1.1562		1" - 11-1/2 NPT		
B	.2380					1-3/16"	1.1875				
C	.2420					1-1/4"	1.2500				
D	.2460					1-5/16"	1.3125				
E	.2500					1-3/8"	1.3750				
1/4"	.2500				EX-4	1-7/16"	1.4375				
6.5 mm	.2559					1-1/2"	1.5000		1-1/4" - 11-1/2 NPT		
F	.2570	5/16" - 18 NC									

NC = National Coarse (USS)  
NS = National Special

NF = National Fine (SAE)  
NEF = National Extra Fine

NPT = National Pipe Taper  
BSP = British Standard Pipe