

Driving Performance Through Innovation

At IRWIN, we understand it's all about performance, and you only get out of a tool what you put in a tool. The new **Performance Threading System™** drive tools from IRWIN HANSON are a prime example. With exceptional innovation, these threading tools are now easier to use, and aid in maintaining the high thread quality and durability professionals trust. The IRWIN HANSON **Performance Threading System™** drive tools have been engineered to make threading more efficient by reducing the setup time and the number of tools needed.



HANSON PTS Die Stock Handle



4935054

- Die Lock – no more set screws needed
- Simply twist to insert and remove die

HANSON PTS Adjustable Tap Handle & Reamer Wrenches



4935052

- Versatile base, drives with die stock, 3/8" ratchet or T-handle (included)
- Adjustable jaw has two tap sockets that fit No. 4 to 1/2" or 3 mm to 12 mm

Description	Usage	Carded Item #	Bulk Item #
Hanson PTS Die Stock & Tap Driver			
Tap Driver - Small	For Taps No. 4 to 1/4" (3mm to 6mm)	1766068	4935052
Tap Driver - Medium	For Taps 1/4" to 1/2" (6mm to 12mm)	1766069	4935053
Die Stock	For 1" Hexagon Dies; Accepts Small & Medium Adj. Tap Sockets to Drive Taps	1766070	4935054

HANSON PTS Drive Tool Module



4935055

Threading Tools	Item #
Tap Driver – Small: Adj Tap Socket Drives Taps Sizes No. 4 (3mm) To 1/4" (6mm)	4935052
Tap Driver – Medium: Adj Tap Socket Drives Taps Sizes 1/4" (3mm) To 1/2" (12mm)	4935053
Die Stock: Drives 1" Hex Dies With And Without Alignment, Accepts Sm & Med Adjustable Tap Sockets	4935054
Metric Pitch Gauge	11016
SAE Pitch Gauge	11018
Die Spacer Bulk, Hex – IRWIN	1775311
T-Bar For Adj. Tap Socket Bulk – IRWIN	1775312

HANSON® Adjustable Tap Handle & Reamer Wrenches



12498

- Straight handle design provides greater leverage, especially when using larger diameter taps
- Designed for use with taps, reamers, screw extractors and other tools with a square shank

HANSON Offset Handle Adjustable Tap & Reamer Wrenches



12421

- Straight handle design provides greater leverage, especially when using larger diameter taps

HANSON Tap Adaptors



3095001

- Adaptors feature a 3/8" square drive to accommodate socket wrench or extension
- Designed for use with taps, reamers, screw extractors, and other tools with a square shank
- Not recommended for cutting new threads

HANSON T-Handle Tap Wrenches



12401

- Designed for use with taps, reamers, screw extractors and other tools with a square shank
- Adjusted and tightened to size by twisting knurled nut
- End of TR-50 & TR-73 wrench has 3/8" square drive to accommodate socket wrench or extension when desired

HANSON T-Handle Ratcheting Tap Wrench



21101

21112

- Three position gear box for quick, efficient ratcheting action
- Designed for use with taps, reamers, screw extractors and other tools with a square shank

Description	Usage	Carded Item #	Bulk Item #
HANSON Offset Handle Adj. Tap Handle & Reamer Wrenches			
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
HANSON Adj. Tap Handle & Reamer Wrenches			
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
HANSON Tap Adaptors			
2pc Tap Adaptor Set	2 Sizes for Taps No. 0 to 1/2"	3095001	—
Small Tap Adaptor	For Taps No. 0 to 1/4"	—	3095001A
Large Tap Adaptor	For Taps 1/4" to 1/2"	—	3095001B
HANSON T-Handle Tap Wrench			
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
HANSON Tap Wrenches with 3/8" Drive			
TR - 73*	For Taps No. 0 to 1/4" (3 mm - 6 mm) *	12073	12473
TR - 50	For Taps 1/4" to 1/2" (6 mm to 12 mm)	12050	12450
HANSON T-Handle Ratcheting Tap Wrench			
—	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
—	10" Extended Length for Tap Sizes #0 - 1/4" (3 mm to 6 mm)	21210	21110
—	12" Extended Length for Tap Sizes 1/4" - 1/2" (6 mm to 12 mm)	21212	21112

*Note: TR-73 comes with a hexagon nut

HANSON Adjustable Guide Die Stock Handles



12428

- Maintains alignment for accurate, straight threading

HANSON Plain Die Stock Handles



12416

- Dies easily lock in position with set screw

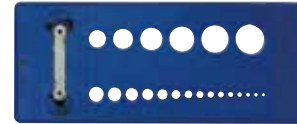
HANSON Reamers



11221

- For deburring and enlarging holes in sheet metal and similar materials
- Not for use in machine tools

HANSON Metric Measuring Kit with Thread Gauges



12087

- 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

HANSON Thread Pitch Gauges



11016

Description	Usage	Carded Item #	Bulk Item #
HANSON Adj. Guide Die Stock Handles			
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 - 26	For 1" Hexagon or Round Dies	12026	11026
DS - 36	For 1-7/16" Hexagon Dies	—	12436
DS - 46	For 1-13/16" Hexagon Dies	—	12446
HANSON Plain Die Stock Handles			
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
HANSON Reamers			
Repair Reamer (1/8" to 1/2")		11214	—
Repair Reamer Pouched (1/2" to 1")		11221	—
HANSON Metric Measuring Kit w/Thread Gauges			
Metric Measuring Kit		—	12087
HANSON Thread Pitch Gauges			
16-Leaf Metric Thread Pitch Gauge		12016	11016
16-Leaf Standard and Metric Thread Pitch Gauge		12017	11017
18-Leaf Standard Thread Pitch Gauge		12018	11018

Taps & Dies

High Carbon Steel Taps

HANSON® Machine Screw Taps (HCS)



1032ZR



1132



1232



4935227

- Ideal for routine maintenance, repair work and for rethreading 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

Description	No. of Flutes	Plug Carded Item #	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #	Self Aligning Bulk Item #
0 - 80 NF	2	—	1102ZR	1002	1202	—
1 - 64 NC	2	—	1104	1004	1204ZR	—
1 - 72 NF	2	—	1105ZR	1005	1205	—
2 - 56 NC	3	—	1106ZR	1006ZR	1206	—
2 - 64 NF	3	—	1107	1007	1207	—
3 - 48 NC	3	—	1108ZR	1008ZR	1208ZR	—
3 - 56 NF	3	—	1109	1009ZR	1209ZR	—
4 - 36 NS	3	8011	1111ZR	1011ZR	1211ZR	—
4 - 40 NC	3	8012	1112ZR	1012ZR	1212ZR	4935222
4 - 48 NF	3	—	1113ZR	1013	1213	—
5 - 40 NC	3	—	1116ZR	1016	1216ZR	—
5 - 44 NF	3	—	1117	1017	1217ZR	—
6 - 32 NC	3	8018	1118	1018	1218ZR	4935223
6 - 36 NS	3	—	1119	1019	1219ZR	—
6 - 40 NF	3	—	1120	1020	1220ZR	—
6 - 48 NS	3	—	1121ZR	1021	1221	—
8 - 32 NC	4	8024	1124	1024	1224ZR	4935224
8 - 36 NF	4	—	1125	1025	1225ZR	—
8 - 40 NS	4	—	1126ZR	1026	1226ZR	—
10 - 24 NC	4	8028	1128ZR	1028	1228	4935225
10 - 32 NF	4	8031	1131	1031ZR	1231ZR	4935226
12 - 24 NC	4	8032	1132	1032ZR	1232ZR	4935227
12 - 28 NF	4	—	1133	1033	1233	—
12 - 32 NEF	4	—	1134	1034	1234	—
14 - 20 NS	4	8035	1135ZR	—	1235ZR	—
14 - 24 NS	4	—	1136	1036	1236ZR	—

TAPS & DIES

HANSON Fractional Taps (HCS)



1323



1423



1523



4935229

- Ideal for routine maintenance, repair work and for rethreading 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

Description	No. of Flutes	Plug Carded Item #	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #	Self Aligning Bulk Item #
1/8" - 40 NS	3	—	1406ZR	1306	1506	—
1/8" - 44 NS	3	—	1407	—	—	—
5/32" - 32 NS	3	—	1410	—	—	—
5/32" - 36 NS	3	—	1411	—	—	—
3/16" - 24 NS	4	—	1412ZR	1312ZR	1512	—
3/16" - 32 NS	4	—	1413ZR	1313ZR	1513	—
3/16" - 36 NS	—	—	1415	—	—	—
1/4" - 20 NC	4	8120	1420	1320ZR	1520	4935228
1/4" - 24 NS	4	—	1421	1321ZR	1521	—
1/4" - 28 NF	4	8123	1423ZR	1323ZR	1523	4935229
1/4" - 32 NEF	4	—	1424ZR	1324	1524	—
1/4" - 40 NS	4	—	1425	1325	1525	—
5/16" - 18 NC	4	8127	1427	1327	1527	4935230
5/16" - 24 NF	4	8129	1429ZR	1329ZR	1529ZR	4935231
5/16" - 32 NEF	4	—	1431ZR	1331ZR	1531	—
3/8" - 16 NC	4	8134	1434ZR	1334	1534	4935232
3/8" - 24 NF	4	8136	1436	1336	1536	4935233
7/16" - 14 NC	4	8139	1439ZR	1339ZR	1539	4935234
7/16" - 20 NF	4	8140	1440	1340ZR	1540ZR	4935235
1/2" - 13 NC	4	8144	1444ZR	1344	1544	4935236
1/2" - 20 NF	4	8145	1445	1345	1545	4935237
1/2" - 24 NS	4	—	1446	1346ZR	1546	—
9/16" - 12 NC	4	8148	1448	1348	1548ZR	—
9/16" - 18 NF	4	8149	1449	1349	1549ZR	—
5/8" - 11 NC	4	8152	1452	1352	1552ZR	—
5/8" - 18 NF	4	8154	1454	1354	1554ZR	—
11/16" - 11 NS	4	—	1456ZR	1356ZR	1556ZR	—
11/16" - 16 NS	4	—	1457ZR	1357ZR	1557ZR	—
3/4" - 10 NC	4	8158	1458	1358ZR	1558ZR	—
3/4" - 16 NF	4	8160	1460	1360	1560ZR	—
7/8" - 9 NC	4	—	1461	1361	1561	—
7/8" - 14 NF	4	—	1463	1363ZR	1563	—
1" - 8 NC	4	—	1465ZR	1365ZR	1565ZR	—
1" - 12 NF	4	—	1466ZR	1366ZR	1566ZR	—
1" - 14 NS	4	—	1467ZR	1367ZR	1567ZR	—

HANSON Metric Taps (HCS)



1859

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

Description	No. of Flutes	Plug Carded Item #	Plug Bulk Item #	Bottom Bulk Item #	Self Aligning Bulk Item #
3 mm - 0.50	3	8312	1712ZR	1812ZR	4935238
3 mm - 0.60	3	—	1713ZR	—	—
4 mm - 0.70	4	8317	1717ZR	1817ZR	4935239
4 mm - 0.75	4	8318	1718ZR	1818ZR	4935240
5 mm - 0.80	4	8322ZR	1722ZR	1822ZR	4935241
5 mm - 0.90	4	8323ZR	1723ZR	1823ZR	4935242
6 mm - 1.00	4	8327	1727	1827ZR	4935243
6.3 mm - 1.00	4	—	1729ZR	1829	—
7 mm - 1.00	4	8331	1731ZR	1831ZR	4935244
8 mm - 1.00	4	8333	1733ZR	1833ZR	4935245
8 mm - 1.25	4	8334	1734ZR	1834ZR	4935246
9 mm - 0.75	4	8335	1735	—	—
9 mm - 1.00	4	8336	1736	—	4935247
9 mm - 1.25	4	8337	1737	1837ZR	4935248
10 mm - 1.00	4	8338	1738	1838ZR	—
10 mm - 1.25	4	8339	1739	1839	4935249
10 mm - 1.50	4	8340	1740ZR	1840	4935250
11 mm - 1.50	4	8341	1741ZR	—	4935251
12 mm - 1.25	4	8342ZR	1742ZR	1842ZR	4935252
12 mm - 1.50	4	8343ZR	1743ZR	—	—
12 mm - 1.75	4	8344	1744ZR	1844	4935253
14 mm - 1.25	4	—	1749ZR	1849ZR	—
14 mm - 1.50	4	—	1750	—	—
14 mm - 2.00	4	—	1752ZR	1852	—
16 mm - 1.00	4	—	1754ZR	—	—
16 mm - 1.50	4	—	1755ZR	1855	—
16 mm - 2.00	4	—	1756ZR	1856	—
18 mm - 1.50	4	—	1759ZR	1859ZR	—
18 mm - 2.50	4	—	1761ZR	1861ZR	—
20 mm - 2.50	4	—	1764ZR	1864ZR	—
22 mm - 1.50	4	—	1765ZR	1865ZR	—
24 mm - 2.00	4	—	1768ZR	1868ZR	—
24 mm - 3.00	4	—	1769ZR	1869ZR	—

HANSON Pipe Taper Taps (HCS)



1903

- Ideal for pipe fittings
- 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)
- Tapered at a rate of 3/4" per foot

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

HANSON 6-piece Pipe Taper Tap Set (HCS)



1921

Set Contents	Item # 1921
1/8" - 27 NPT	1902ZR
1/4" - 18 NPT	1903ZR
3/8" - 18 NPT	1904ZR
1/2" - 14 NPT	1905ZR
3/4" - 14 NPT	1906ZR
1" - 11-1/2 NPT	1907ZR

Taps & Dies

High Carbon Steel Taps

HANSON® Spark Plug Taps (HCS)



2459

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

Description	No. of Flutes	Bulk Item #
7/8" - 18 NS	4	2364ZR
14 mm - 1.25	4	2449
18 mm - 1.50	4	2459ZR

HANSON Tap Sets with Taper, Bottoming & Plug Point Styles



2652

- Set contains all three chamfer styles for various uses

Description	No. of Flutes	Item #
6 - 32 NC	3	2518
8 - 32 NC	4	2524
10 - 24 NC	4	2528
10 - 32 NF	4	2531
1/8" - 40 NS	3	2606
1/8" - 44 NS	3	2607
5/32" - 32 NS	4	2610
5/32" - 36 NS	4	2611
3/16" - 24 NS	4	2612
3/16" - 32 NS	4	2613ZR
1/4" - 20 NC	4	2620
1/4" - 28 NF	4	2623
5/16" - 18 NC	4	2627
5/16" - 24 NF	4	2629
3/8" - 16 NC	4	2634
3/8" - 24 NF	4	2636
7/16" - 14 NC	4	2639
7/16" - 20 NF	4	2640
1/2" - 13 NC	4	2644
1/2" - 20 NF	4	2645
9/16" - 12 NC	4	2648
9/16" - 18 NF	4	2649ZR
5/8" - 11 NC	4	2652
5/8" - 18 NF	4	2654
3/4" - 10 NC	4	2658ZR
3/4" - 16 NF	4	2660
7/8" - 9 NC	4	2661
7/8" - 14 NF	4	2663
1" - 8 NC	4	2665
1" - 12 NS	4	2666
1" - 14 NF	4	2667
3 mm - 0.50	3	2712
5 mm - 0.80	4	2722
6 mm - 1.00	4	2727
7 mm - 1.00	4	2731
8 mm - 1.00	4	2733
8 mm - 1.25	4	2734
10 mm - 1.00	4	2738
10 mm - 1.25	4	2739
10 mm - 1.50	4	2740
12 mm - 1.25	4	2742
12 mm - 1.75	4	2744
14 mm - 2.00	4	2752
16 mm - 2.00	4	2756