IRWIN®

HANSON®

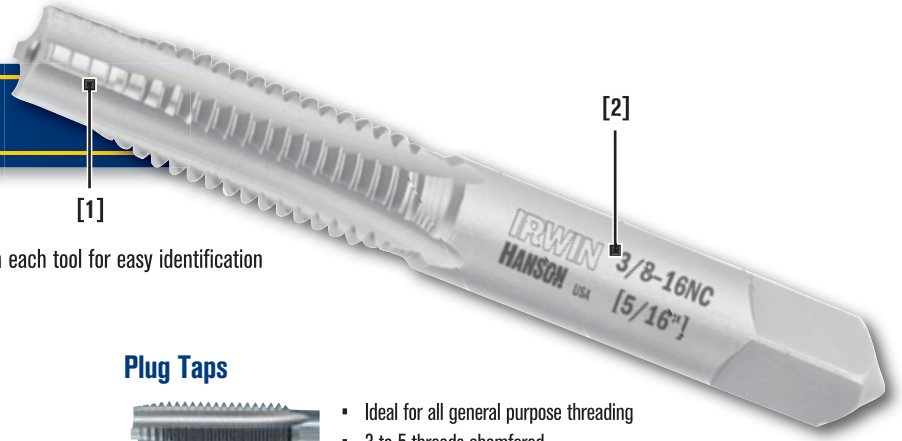
Taps & Dies



IRWIN HANSON

IRWIN® HANSON® has been manufacturing High Carbon Steel threading tools for over 100 years, and has proven itself to be a brand you can trust. Performance, thread quality, durability, and ease of use – proven for over a century.

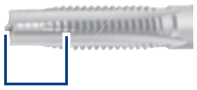
IRWIN TAP FEATURES



1. Chamfer with various styles for specific drilling applications
2. Tap size and recommended drill bit size are laser-etched on each tool for easy identification

Tap and Die Styles

Self-Aligning Taps


8-10 threads

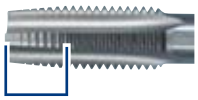
- Starts straight every time
- Ideal for through holes and irregular surfaces

Plug Taps


3-5 threads

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

Taper Taps


8-10 threads

- Ideal for tough starting applications
- Preferred use with deep or through-hole applications
- 8 to 10 threads chamfered

Bottom Taps


1-2 threads

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

Self-Aligning Dies



1" Across Hex Flats

- Starts straight every time
- More steel at critical points for extra strength
- Recommended for use with PTS die stock

Hexagon Dies



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

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

Solid Round Dies



1" and 1-1/2" Overall Diameter

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

Adjustable Round Dies



1", 1-1/2", 2" and 3" Overall Diameter

- Ideal for a 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 handles
- Meets Federal Specifications GGG-D-296

Tap & Die Description Guide

10-24 NC

Fastener Diameter	Thread Type	Applications
10 - Machine screw size	NC = National Coarse (USS)	General purpose machines and appliances
5/8" - Fractional	NF = National Fine (SAE)	Automotive parts requiring extreme pressures
8 mm - Metric	NS = National Special	Special threads – either diameter or threads per inch
	NEF = National Extra Fine	For optical or thin wall parts
Thread Pitch	NPT = National Pipe Taper	For all pipe threads
Threads per inch (machine & fractional)	BSP = British Standard Pipe	For all pipe threads
Distance between threads (metric)	(no thread symbol required for metric fasteners)	

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
1/64"	.0516				
1/32"	.0312				
1.0 mm	.0394				
60	.0400				
59	.0410				
58	.0420				
57	.0430				
56	.0465				
3/64"	.0469		0 - 80 NF		
55	.0520				
54	.0550				
1.5 mm	.0591				
53	.0595		1 - 64 NC 1 - 72NF		
1/16"	.0625				
52	.0635				
51	.0670				
50	.0700		2 - 56 NC 2 - 64 NF		
49	.0730				
48	.0760				
5/64"	.0781		3 - 48 NC		EX-1
47	.0785				
2.0 mm	.0787				
46	.0810				
45	.0820		3 - 56 NF		
44	.0860		4 - 36 NS		
43	.0890		4 - 40 NC		
42	.0935				
3/32"	.0938		4 - 48 NF		
41	.0960			3 mm - 0.60	
40	.0980				
2.5 mm	.0984			3 mm - 0.50	
39	.0995			3 mm - 0.50	
38	.1015	1/8" - 40 NS	5 - 40 NC		
37	.1040		5 - 44 NF		
36	.1065		6 - 32 NC		
7/64"	.1094				EX-2
35	.1100				
34	.1110		6 - 36 NS		
33	.1130		6 - 40 NF		
32	.1160		6 - 48 NS		
3.0 mm	.1181				
31	.1200				
1/8"	.1250				
30	.1285			4 mm - 0.70 4 mm - 0.75	
29	.1360		8 - 32 NC 8 - 36 NF		
3.5 mm	.1378				
28	.1405				

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
9/64"	.1406	8 - 40 NS			ST-1
27	.1440				
26	.1470	3/16"-24 NS			
25	.1495		10 - 24 NC		
24	.1520				
23	.1540				
5/32"	.1562	3/16"-32 NS			EX-3
22	.1570				
4.0 mm	.1575				
21	.1590		10 - 32 NF		
20	.1600			5 mm - 0.90	
19	.1660			5 mm - 0.80	
18	.1695				
11/64"	.1719				
17	.1730				
16	.1770		12 - 24 NC		
4.5 mm	.1772				
15	.1800				
14	.1820		12 - 28 NEF		
13	.1850				
3/16"	.1875				ST-2
12	.1890				
11	.1910				
10	.1935		14 - 20 NS		
9	.1960				
5.0 mm	.1969			6 mm - 1.00	
8	.1990			6 mm - 1.00	
7	.2010	1/4" - 20 NC			
13/64"	.2031		14 - 24 NS		
6	.2040				
5	.2055				
4	.2090	1/4" - 24 NS			
3	.2130	1/4" - 28 NF			
5.5 mm	.2165				
7/32"	.2188	1/4"- 32 NEF			
2	.2210				
1	.2280	1/4" - 40 NS			
A	.2340				
15/64"	.2344			7 mm - 1.00	ST-3
6.0 mm	.2362			7 mm - 1.00	
B	.2380				
C	.2420				
D	.2460				
E	.2500				
1/4"	.2500				EX-4
6.5 mm	.2559				
F	.2570	5/16"- 18 NC			

Machine Screw Reference Guide

Before cutting a thread, you must know the rod diameter.

Use the chart at right to determine the appropriate machine screw size:

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

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

Tap & Drill Selection Chart

Diam/ Type	Decimal Equiv.	Fractional Tap	Pipe Tap	Metric Tap	Screw Ext.
G	.2610				
17/64"	.2656			8 mm - 1.25	
H	.2660				
I	.2720	5/16"-24 NF			
7.0 mm	.2756			8 mm - 1.00	
J	.2770			8 mm - 1.00	
K	.2810				
9/32"	.2812	5/16"-32 NEF			
L	.2900				
M	.2950				
7.5 mm	.2953				
19/64"	.2969				EX-5
N	.3020			9 mm - 1.25	
5/16"	.3125	3/8"- 16 NC			ST-4
8.0 mm	.3150			9 mm - 1.00	
O	.3160			9 mm - 1.00	
P	.3230			9 mm - 0.75	
21/64"	.3281		1/8" - 28 BSP		
Q	.3320	3/8"- 24 NF	1/8" - 27 NPT		
8.5 mm	.3346			10 mm - 1.50	
R	.3390			10 mm - 1.50	
11/32"	.3438			10 mm - 1.25	
S	.3480				
9.0 mm	.3543			10 mm - 1.00	
T	.3580			10 mm - 1.00	
23/64"	.3594				
U	.3680	7/16"- 14 NC			
9.5 mm	.3740			11 mm - 1.50	
3/8"	.3750			11 mm - 1.50	ST-5
V	.3770				
W	.3806				
25/64"	.3906	7/16"- 20 NF			
10.0 mm	.3937				
X	.3970				
Y	.4040				
13/32"	.4062			12 mm - 1.75	EX-6
Z	.4130			12 mm - 1.50	
10.5 mm	.4134			12 mm - 1.50	
27/64"	.4219	1/2"- 13 NC		12 mm - 1.25	
11.0 mm	.4331				
7/16"	.4375		1/4" - 18 NPT		
11.5 mm	.4528				
29/64"	.4531	1/2"-20 NF 1/2"-24 NS	1/4" - 19 BSP		
15/32"	.4688			14 mm - 2.00	ST-6
12.0 mm	.4724			14 mm - 2.00	
31/64"	.4844	9/16" - 12 NC			
12.5 mm	.4921			14 mm - 1.50	

Diam/ Type	Decimal Equiv.	Fractional Tap	Pipe Tap	Metric Tap	Screw Ext.
1/2"	.5000			14 mm - 1.25 14 mm - 1.50	
13.0 mm	.5118			14 mm - 1.25	
33/64"	.5156	9/16"- 18 NF			
17/32"	.5313	5/8" - 11 NC			EX-7
35/64"	.5469			16 mm - 2.00	
9/16"	.5625		3/8" - 18 NPT		ST-7
37/64"	.5781	5/8"- 18 NF		16 mm - 1.50	
19/32"	.5938	11/16"-11 NS			
39/64"	.6094			18 mm - 2.50	
5/8"	.6250	11/16"-16 NS			
41/64"	.6406				
21/32"	.6562	3/4" - 10 NC		18 mm - 1.50	
43/64"	.6719				
11/16"	.6875	3/4" - 16 NF		20 mm - 2.50	
45/64"	.7031		1/2" - 14 NPT		
23/32"	.7188				
47/64"	.7344				
3/4"	.7500				
49/64"	.7656				
25/32"	.7812	7/8" - 9 NC			
51/64"	.7969				
13/16"	.8125	7/8" - 14 NF		22 mm - 1.50	EX-8
53/64"	.8281			24 mm - 3.00	
27/32"	.8438				
55/64"	.8594				
7/8"	.8750	1" - 8 NC		24 mm - 2.00	
57/64"	.8906				
29/32"	.9062				
59/64"	.9219	1" - 12 NF	3/4" - 14 NPT		
15/16"	.9375	1" - 14 NS			
61/64"	.9531				
31/32"	.9688				
63/64"	.9844	1-1/8"- 7 NC			
1"	1.0000				
1-1/64"	1.0156				
1-1/32"	1.0312				
1-1/16"	1.0625				EX-9
1-3/32"	1.0938				
1-1/8"	1.1250				
1-5/32"	1.1562		1" - 11-1/2" NPT		
1-3/16"	1.1875				
1-1/4"	1.2500				
1-5/16"	1.3125				
1-3/8"	1.3750				
1-7/16"	1.4375				
1-1/2"	1.5000		1-1/4" - 11-1/2" NPT		

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.

PERFORMANCE THREADING SYSTEM™

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 # 4935055
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 Adjustible 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

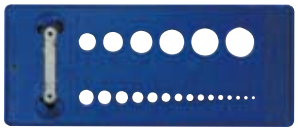
HANSON Reamers



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

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	–

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

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 #
5 - 40 NC	3	2516
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

HANSON Tap (HCS) & Drill Bit (HSS)



80238



1765531

- Convenient HCS tap and HSS drill bit set
- Plug taps ideal for general purpose threading
- Self-aligning taps are ideal for through holes and irregular surfaces

Description	Plug Carded Item #	Self Aligning Carded Item #
4 - 40 NC Tap + No. 43 Drill Bit	80209	–
6 - 32 NC Tap + 7/64" Drill Bit	80213	1765531
8 - 32 NC Tap + No. 29 Drill Bit	80217	1765534
10 - 24 NC Tap + No. 25 Drill Bit	80220	1765535
10 - 32 NF Tap + No. 21 Drill Bit	80221	1765536
12 - 24 NC Tap + No. 16 Drill Bit	80222	1765537
1/4" - 20 NC Tap + 13/64" Drill Bit	80230	1765538
1/4" - 28 NF Tap + No. 3 Drill Bit	80232	–
5/16" - 18 NC Tap + Letter G Drill Bit	80235	1765539
3/8" - 16 NC Tap + Letter O Drill Bit	80238	1765540
1/2" - 13 NC Tap + 27/64" Drill Bit	80242	–
1/4" - 18 NPT Tap + 7/16" Drill Bit	80260	–
6 mm - 1.00 Tap + 5mm Drill Bit	80327	1788680
8 mm - 1.25 Tap + 17/64" Drill Bit	80334	1788681
10 mm - 1.50 Tap + 8.5 Drill Bit	80340	1788682

HANSON Tap (HCS) & Drill Bit (HSS) Sets



80187

- These drill and tap sets produce a thread that is strong and easy to tap
- Plug taps ideal for general purpose threading

Description 13-pc Set	Contents Lock & Hardware Drill & Tap Set		Item # 80185
Thread Size	**Plug Tap Item #**	**Drill Bit Size**	**Drill Bit Item #**
6 - 32 NC	1118	7/64"	30107
8 - 32 NC	1124	No. 29	20129
10 - 24 NC	1128	No. 25	20125
10 - 32 NF	1131	No. 21	20121
12 - 24 NC	1132	No. 16	20116
1/4" - 20 NC	1420	13/64"	30113
Threading Tools			**Item #**
T-Handle Tap Wrench			12401

13-pc Set	All-Purpose Drill & Tap Set		80187
Thread Size	**Plug Tap Item #**	**Drill Bit Size**	**Drill Bit Item #**
4 - 40 NC	1112	No. 43	20143
6 - 32 NC	1118	7/64"	30107
8 - 32 NC	1124	No. 29	20129
10 - 24 NC	1128	No. 25	20125
10 - 32 NF	1131	No. 21	20121
1/4" - 20 NC	1420	13/64"	30113
Threading Tools			**Item #**
T-Handle Tap Wrench			12401

HANSON® Self Aligning Dies (HCS)



4935027

- Threads straight every turn
- More steel at critical points for extra strength
- Use with PTS die stock for best performance

Description	1" Across Flat Self Aligning Bulk Item #	1" Across Flat Self Aligning Carded Item #
Machine Screw		
DIE SA 4-40NC 1" HEX	4935018	1799376
DIE SA 6-32NC 1" HEX	4935019	1799378
DIE SA 8-32NC 1" HEX	4935020	1799379
DIE SA 10-24NC 1" HEX	4935021	1799380
DIE SA 10-32NF 1" HEX	4935022	1799481
DIE SA 12-24NC 1" HEX	4935023	1799482
Fractional		
DIE SA 1/4"-20NC 1" HEX	4935024	1799483
DIE SA 1/4"-28NF 1" HEX	4935025	1799484
DIE SA 5/16"-18NC 1" HEX	4935026	1799485
DIE SA 5/16"-24NF 1" HEX	4935027	1799486
DIE SA 3/8"-16NC 1" HEX	4935028	1799487
DIE SA 3/8"-24NF 1" HEX	4935029	1799488
DIE SA 7/16"-14NC 1" HEX	4935030	1799489
DIE SA 7/16"-20NF 1" HEX	4935031	1799490
DIE SA 1/2"-13NC 1" HEX	4935032	1799491
DIE SA 1/2"-20NF 1" HEX	4935033	1799492
Metric		
DIE SA 3-0 5MM 1" HEX	4935035	1799493
DIE SA 4-0 7MM 1" HEX	4935036	1799494
DIE SA 4-0 75MM 1" HEX	4935037	1799495
DIE SA 5-0 8MM 1" HEX	4935038	1799496
DIE SA 5-0 9MM 1" HEX	4935039	1799497
DIE SA 6-1MM 1" HEX	4935040	1799498
DIE SA 7-1MM 1" HEX	4935041	1799499
DIE SA 8-1MM 1" HEX	4935042	1799500
DIE SA 8-1 25MM 1" HEX	4935043	1799501
DIE SA 9-1MM 1" HEX	4935044	1799502
DIE SA 9-1 25MM 1" HEX	4935045	1799503
DIE SA 10-1 25MM 1" HEX	4935046	1799504
DIE SA 10-1 5MM 1" HEX	4935047	1799505
DIE SA 11-1 5MM 1" HEX	4935048	1799506
DIE SA 12-1 25MM 1" HEX	4935049	1799507
DIE SA 12-1 75MM 1" HEX	4935050	1799508
DIE SA 1/8" - 28BSP 1"HEX	4935051	–

HANSON Hexagon Machine Screw Dies (HCS)



6432

Description	1" Across Flat Carded Item #	1" Across Flat Bulk Item #	1-7/16" Across Flat Bulk Item #	1-13/16" Across Flat Bulk Item #
Machine				
4 - 36 NS	9311	6411ZR	–	–
4 - 40 NC	9312	6412ZR	–	–
5 - 40 NC	–	6416ZR	–	–
6 - 32 NC	9318	6418	–	–
8 - 32 NC	9324	6424	–	–
10 - 24 NC	9328	6428	–	–
10 - 32 NF	9331ZR	6431	–	–
12 - 24 NC	9332ZR	6432ZR	–	–
14 - 20 NS	9335ZR	6435	–	–

HANSON Hexagon Fractional Dies (HCS)



6544



8461

- Ideal for maintenance and repair work
- Recommended for use with hexagon die stock
- Die can be used with a wrench or socket when space is limited

Description	1" Across Flat Carded Item #	1" Across Flat Bulk Item #	1-7/16" Across Flat Bulk Item #	1-13/16" Across Flat Bulk Item #
Fractional				
3/16" - 24 NS	–	6512	–	–
1/4" - 20 NC	9420ZR	6520ZR	–	–
1/4" - 28 NF	9423	6523ZR	–	–
5/16" - 18 NC	9427	6527	–	–
5/16" - 24 NF	9429	6529	–	–
3/8" - 16 NC	9434	6534ZR	–	–
3/8" - 24 NF	9436	6536	–	–
7/16" - 14 NC	9439	6539	–	–
7/16" - 20 NF	9440	6540	–	–
1/2" - 13 NC	9444	6544	–	–
1/2" - 20 NF	9445	6545	–	–
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	–	–	6860ZR	–
7/8" - 9 NC	–	–	–	8461
7/8" - 14 NF	–	–	–	8463
1" - 8 NC	–	–	–	8465
1" - 14 NS	–	–	–	8467

HANSON® Hexagon Metric Dies (HCS)



6638



6949



8569

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

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

HANSON Hexagon Pipe Taper Dies (HCS)



6703



7004

- Ideal for plumbing and air applications

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

HANSON Round Machine Screw Dies (HCS)



3718



3028

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

Description	1" Overall Diam. Screw Adj. Bulk Item #	1" Overall Diam. Solid Bulk Item #
0 - 80 NF	3702	–
1 - 72 NF	3705	–
2 - 64 NF	3707	–
4 - 40 NC	3712	–
4 - 48 NF	3713	–
5 - 40 NC	3716	–
5 - 44 NF	3717	–
6 - 32 NC	3718	–
6 - 36 NS	3719	–
6 - 40 NF	3720	–
6 - 48 NS	3721ZR	–
8 - 32 NC	3724	–
8 - 36 NF	3725ZR	–
8 - 40 NS	3726ZR	–
10 - 24 NC	3728	3028ZR
10 - 32 NF	3731	–
12 - 24 NC	3732	–
12 - 28 NF	3733	–
12 - 32 NEF	3734	–
14 - 20 NS	3735	–
14 - 24 NS	3736	–

HANSON Round Fractional Dies (HCS)



3820



3120

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

Description	1" Overall Diam. Screw Adj. Bulk Item #	1" Overall Diam. Solid Bulk Item #
3/16" - 32 NS	3813	–
3/16" - 36 MS	3815	–
1/4" - 20 NC	3820ZR	3120
1/4" - 24 NS	3821	–
1/4" - 28 NF	3823	–
1/4" - 32 NEF	3824	–
1/4" - 40 NS	3825	–
5/16" - 18 NC	3827	3127
5/16" - 24 NF	3829	–
5/16" - 32 NEF	3831	–
3/8" - 16 NC	3834	3134
3/8" - 24 NF	3836	–
7/16" - 14 NC	3839	–
7/16" - 20 NF	3840	–
1/2" - 13 NC	3844	3144
1/2" - 20 NF	3845	–
1/2" - 24 NS	3846	–

HANSON Adjustable Round Fractional Dies Right & Left-Hand (HCS)



4020



7520



7652

- Adjustable round dies ideal for precision threading
- Left-hand dies cut threads with a left-hand rotation

Description	Right-Hand 1-1/2" O.D. Bulk Item #	Right-Hand 2" O.D. Bulk Item #	Right-Hand 3" O.D. Bulk Item #	Left-Hand 1" O.D. Bulk Item #	Left-Hand 1-1/2" O.D. Bulk Item #
1/4" - 20 NC	4020ZR	–	–	7520	–
1/4" - 28 NF	4023	–	–	7523	–
5/16" - 18 NC	4027ZR	4227	–	7527	–
5/16" - 24 NF	4029ZR	–	–	7529	–
3/8" - 16 NC	4034ZR	–	–	7534	–
3/8" - 24 NF	4036	–	–	7536	–
7/16" - 14 NC	4039ZR	–	–	7539	–
7/16" - 20 NF	4040ZR	–	–	7540	–
1/2" - 13 NC	4044	–	–	7544ZR	–
1/2" - 20 NF	4045ZR	–	–	7545	–
9/16" - 12 NC	4048ZR	–	–	–	7648
9/16" - 18 NF	4049ZR	–	–	–	7649
5/8" - 11 NC	4052	–	–	–	7652
5/8" - 18 NF	4054	–	–	–	7654
11/16" - 11 NS	4056	–	–	–	–
11/16" - 16 NS	4057	–	–	–	–
3/4" - 10 NC	4058ZR	–	–	–	7658
3/4" - 16 NF	4060ZR	–	–	–	7660
7/8" - 9 NC	–	4261	–	–	–
7/8" - 14 NF	–	4263	–	–	–
1" - 8 NC	–	4265	–	–	–
1" - 12 NF	–	4266	–	–	–
1" - 14 NS	–	4267	–	–	–
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 Round Pipe Taper Dies (HCS)



4102

Description	1-1/2" O.D. Solid Round Bulk Item #	1-1/2" O.D. Screw Adj. Bulk Item #	1" O.D. Screw Adj. Bulk Item #	2" O.D. Screw Adj. Bulk Item #
1/8" - 27 NPT	4102	5102	502101*	–
1/4" - 18 NPT	4103	5103	–	–
3/8" - 18 NPT	4104	5104	–	–
1/2" - 14 NPT	4105	5105	–	–
1/2" - 14 NPT	–	–	–	4305
3/4" - 14 NPT	–	–	–	4306

*Note: 502101 is a High Speed Steel Die

HANSON 116-Piece Mach / Fractional / Metric Plug Tap and 1" Hex Die Set



1813817

PERFORMANCE THREADING SYSTEM™

Set Contents				Set Item # 1813817
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Hexagon	Drill Bit Size	Drill Bit Item #
4 - 40 NC	1112ZR	6412ZR	No. 43	80143
6 - 32 NC	1118	6418	No. 36	80136
8 - 32 NC	1124	6424	No. 29	80129
10 - 24 NC	1128ZR	6428	No.25	80125
10 - 32 NF	1131	6431	No.21	80121
12 - 24 NC	1132	6432ZR	No. 16	80116
Fractional				
1/4" - 20 NC	1420	6520ZR	No.7	80107
1/4" - 28 NF	1423ZR	6523ZR	No.3	80103
5/16" - 18 NC	1427	6527	Letter F	40106
5/16" - 24 NF	1429ZR	6529	Letter I	40109
3/8" - 16 NC	1434ZR	6534ZR	5/16"	60120
3/8" - 24 NF	1436	6536	Letter Q	40117
7/16" - 14 NC	1439ZR	6539	Letter U	40121
7/16" - 20 NF	1440	6540	25/64"	60125
1/2" - 13 NC	1444ZR	6544	27/64"	60127
1/2" - 20 NF	1445	6545	29/64"	60129
Metric				
3 mm - 0.50	1712ZR	6612ZR	No. 39	80139
4 mm - 0.70	1717ZR	6617	No. 30	80130
4 mm - 0.75	1718ZR	6618	No. 30	80130
5 mm- 0.80	1722ZR	6622	No. 19	90119
5 mm - 0.90	1723ZR	6623	No. 20	80120
6 mm - 1.00	1727	6627	No. 9	80109
7 mm - 1.00	1731ZR	6631	Letter B	40102
8 mm - 1.00	1733ZR	6633	Letter J	40110
8 mm - 1.25	1734ZR	6634	Letter H	40108
9 mm - 1.00	1736	6636	Letter O	40115
9 mm - 1.25	1737	6637	5/16"	60120
10 mm - 1.25	1739	6639	Letter S	40119
10 mm - 1.50	1740ZR	6640	Letter R	40118
11 mm - 1.50	1741ZR	6641	3/8"	60124
12 mm - 1.25	1743ZR	6642ZR	Letter Z	40126
12 mm - 1.75	1744ZR	6644	13/32"	60126
Pipe				
1/8" - 27 NPT	1902ZR	6702	Letter Q	40117
1/8" - 28 BSP	1911ZR	6711	21/64"	60121

Spiral Flute Screw Extractor	Drill Bit Size	Item #
EX - 1	5/64"	60105
EX - 2	7/64"	60107
EX - 3	5/32"	60110
EX - 4	1/4"	60116
EX - 5	19/64"	60119

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 116-Piece Mach / Fractional / Metric Self Alignment Tap and Die Set



1841432

PERFORMANCE THREADING SYSTEM™

Set Contents				Set Item # 1841432
Thread Size Machine Screw	**Tap Item # Self-Aligning**	**Die Item # Self-Aligning**	**Drill Bit Size**	**Drill Bit Item #**
4 - 40 NC	4935222	4935018	No. 43	80143
6 - 32 NC	4935223	4935019	No. 36	80136
8 - 32 NC	4935224	4935020	No. 29	80129
10 - 24 NC	4935225	4935021	No.25	80125
10 - 32 NF	4935226	4935022	No.21	80121
12 - 24 NC	4935227	4935023	No. 16	80116
Fractional				
1/4" - 20 NC	4935228	4935024	No.7	80107
1/4" - 28 NF	4935229	4935025	No.3	80103
5/16" -18 NC	4935230	4935026	Letter F	40106
5/16" - 24 NF	4935231	4935027	Letter I	40109
3/8" - 16 NC	4935232	4935028	5/16"	60120
3/8" - 24 NF	4935233	4935029	Letter Q	40117
7/16" - 14 NC	4935234	4935030	Letter U	40121
7/16" - 20 NF	4935235	4935031	25/64"	60125
1/2" - 13 NC	4935236	4935032	27/64"	60127
1/2" - 20 NF	4935237	4935033	29/64"	60129
Metric				
3 mm - 0.50	4935238	4935035	No. 39	80139
4 mm - 0.70	4935239	4935036	No. 30	80130
4 mm - 0.75	4935240	4935037	No. 30	80130
5 mm - 0.80	4935241	4935038	No. 19	90119
5 mm - 0.90	4935242	4935039	No. 20	80120
6 mm - 1.00	4935243	4935040	No. 9	80109
7 mm - 1.00	4935244	4935041	Letter B	40102
8 mm - 1.00	4935245	4935042	Letter J	40110
8 mm - 1.25	4935246	4935043	Letter H	40108
9 mm - 1.00	4935247	4935044	Letter O	40115
9 mm - 1.25	4935248	4935045	5/16"	60120
10 mm - 1.25	4935249	4935046	Letter S	40119
10 mm - 1.50	4935250	4935047	Letter R	40118
11 mm - 1.50	4935251	4935048	3/8"	60124
12 mm - 1.25	4935252	4935049	Letter Z	40126
12 mm - 1.75	4935253	4935050	13/32"	60126
Pipe				
1/8" - 27 NPT	1902ZR	6702	Letter Q	40117
1/8" - 28 BSP	1911ZR	6711	21/64"	60121

Spiral Flute Screw Extractor	Drill Bit Size	Item #
EX - 1	5/64"	60105
EX - 2	7/64"	60107
EX - 3	5/32"	60110
EX - 4	1/4"	60116
EX - 5	19/64"	60119

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 75-Piece Mach / Fractional / Metric Plug Tap and 1" Hex Die Set



1813816

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1813816
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Hexagon
4 - 40 NC	1112ZR	6412ZR
6 - 32 NC	1118	6418
8 - 32 NC	1124	6424
10 - 24 NC	1128ZR	6428
10 - 32 NF	1131	6431
12 - 24 NC	1132	6432ZR
Fractional		
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
Metric		
3 mm - 0.50	1712ZR	6612ZR
4 mm - 0.70	1717ZR	6617
4 mm - 0.75	1718ZR	6618
5 mm- 0.80	1722ZR	6622
5 mm - 0.90	1723ZR	6623
6 mm - 1.00	1727	6627
7 mm- 1 .00	1731ZR	6631
8 mm - 1.00	1733ZR	6633
8 mm - 1.25	1734ZR	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
11 mm - 1.50	1741ZR	6641
12 mm - 1.25	1743ZR	6642ZR
12 mm - 1.75	1744ZR	6644
Pipe		
1/8" - 27 NPT	1902ZR	6702
1/8" - 28 BSP	1911ZR	6711

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 75-Piece Mach / Fractional / Metric Self Alignment Tap and Die Set



Starts Straight

1841350

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1841350
Thread Size Machine Screw	**Tap Item # Self-Aligning**	**Die Item # Self-Aligning**
4 - 40 NC	4935222	4935018
6 - 32 NC	4935223	4935019
8 - 32 NC	4935224	4935020
10 - 24 NC	4935225	4935021
10 - 32 NF	4935226	4935022
12 - 24 NC	4935227	4935023
Fractional		
1/4" - 20 NC	4935228	4935024
1/4" - 28 NF	4935229	4935025
5/16" - 18 NC	4935230	4935026
5/16" - 24 NF	4935231	4935027
3/8" - 16 NC	4935232	4935028
3/8" - 24 NF	4935233	4935029
7/16" - 14 NC	4935234	4935030
7/16" - 20 NF	4935235	4935031
1/2" - 13 NC	4935236	4935032
1/2" - 20 NF	4935237	4935033
Metric		
3 mm - 0.50	4935238	4935035
4 mm - 0.70	4935239	4935036
4 mm - 0.75	4935240	4935037
5 mm- 0.80	4935241	4935038
5 mm - 0.90	4935242	4935039
6 mm - 1.00	4935243	4935040
7 mm- 1 .00	4935244	4935041
8 mm - 1.00	4935245	4935042
8 mm - 1.25	4935246	4935043
9 mm - 1.00	4935247	4935044
9 mm - 1.25	4935248	4935045
10 mm - 1.25	4935249	4935046
10 mm - 1.50	4935250	4935047
11 mm - 1.50	4935251	4935048
12 mm - 1.25	4935252	4935049
12 mm - 1.75	4935253	4935050
Pipe		
1/8" - 27 NPT	1902ZR	6702
1/8" - 28 BSP	1911ZR	6711

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 40-Piece Machine Screw & Fractional Plug Tap and 1" Hex Die Set



1835091

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1835091
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Hexagon
4 - 40 NC	1112ZR	6412ZR
6 - 32 NC	1118	6418
8 - 32 NC	1124	6424
10 - 24 NC	1128ZR	6428
10 - 32 NF	1131	6431
12 - 24 NC	1132	6432ZR
Fractional		
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
Pipe		
1/8" - 27 NPT	1902ZR	6702
Threading Tools		**Item #**
PTS Die Stock - 1"		4935054
PTS Die Spacer		1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)		4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)		4935053
T-Bar for Adj Tap Socket		1775312
SAE Pitch Gauge		11018

HANSON 40-Piece Machine Screw & Fractional Self Alignment Tap and Die Set



1841346

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1841346
Thread Size Machine Screw	Tap Item # Self-Aligning	Die Item # Self-Aligning
4 - 40 NC	4935222	4935018
6 - 32 NC	4935223	4935019
8 - 32 NC	4935224	4935020
10 - 24 NC	4935225	4935021
10 - 32 NF	4935226	4935022
12 - 24 NC	4935227	4935023
Fractional		
1/4" - 20 NC	4935228	4935024
1/4" - 28 NF	4935229	4935025
5/16" - 18 NC	4935230	4935026
5/16" - 24 NF	4935231	4935027
3/8" - 16 NC	4935232	4935028
3/8" - 24 NF	4935233	4935029
7/16" - 14 NC	4935234	4935030
7/16" - 20 NF	4935235	4935031
1/2" - 13 NC	4935236	4935032
1/2" - 20 NF	4935237	4935033
Pipe		
1/8" - 27 NPT	1902ZR	6702
Threading Tools		**Item #**
PTS Die Stock - 1"		4935054
PTS Die Spacer		1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)		4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)		4935053
T-Bar for Adj Tap Socket		1775312
SAE Pitch Gauge		11018

HANSON 40-Piece Metric Plug Tap and 1" Hex Die Set



1835092

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1813816
Thread Size Metric	**Tap Item # Plug Style**	**Die Item # 1" Hexagon**
3 mm - 0.50	1712ZR	6612ZR
4 mm - 0.70	1717ZR	6617
4 mm - 0.75	1718ZR	6618
5 mm- 0.80	1722ZR	6622
5 mm - 0.90	1723ZR	6623
6 mm - 1.00	1727	6627
7 mm- 1 .00	1731ZR	6631
8 mm - 1.00	1733ZR	6633
8 mm - 1.25	1734ZR	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
11 mm - 1.50	1741ZR	6641
12 mm - 1.25	1743ZR	6642ZR
12 mm - 1.75	1744ZR	6644
Pipe		
1/8" - 28 BSP	1911ZR	6711
Threading Tools		**Item #**
PTS Die Stock - 1"		4935054
PTS Die Spacer		1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)		4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)		4935053
T-Bar for Adj Tap Socket		1775312
Metric Pitch Guage		11016

HANSON 40-Piece Metric Self Alignment Tap and Die Set



1841348

PERFORMANCE THREADING SYSTEM™

Set Contents		Set Item # 1841348
Thread Size Metric	**Tap Item # Self-Aligning**	**Die Item # Self-Aligning**
3 mm - 0.50	4935238	4935035
4 mm - 0.70	4935239	4935036
4 mm - 0.75	4935240	4935037
5 mm- 0.80	4935241	4935038
5 mm - 0.90	4935242	4935039
6 mm - 1.00	4935243	4935040
7 mm- 1 .00	4935244	4935041
8 mm - 1.00	4935245	4935042
8 mm - 1.25	4935246	4935043
9 mm - 1.00	4935247	4935044
9 mm - 1.25	4935248	4935045
10 mm - 1.25	4935249	4935046
10 mm - 1.50	4935250	4935047
11 mm - 1.50	4935251	4935048
12 mm - 1.25	4935252	4935049
12 mm - 1.75	4935253	4935050
Pipe		
1/8" - 28 BSP	1911ZR	6711
Threading Tools		**Item #**
PTS Die Stock - 1"		4935054
PTS Die Spacer		1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)		4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)		4935053
T-Bar for Adj Tap Socket		1775312
Metric Pitch Guage		11016

HANSON 41-Piece Machine Screw, Fractional & Metric Plug Tap Set



1840234

PERFORMANCE THREADING SYSTEM™

Set Contents			Set Item # 1840234
Thread Size Machine Screw	**Tap Item # Plug Style**	**Thread Size Metric**	**Tap Item # Plug Style**
4-40NC	1112ZR	3 mm - 0.50	1712ZR
6-32NC	1118	4 mm - 0.70	1717ZR
8-32NC	1124	4 mm - 0.75	1718ZR
10-24NC	1128ZR	5 mm- 0.80	1722ZR
10-32NF	1131	5 mm - 0.90	1723ZR
12-24NC	1132	6 mm - 1.00	1727
Fractional		7 mm- 1 .00	1731ZR
1/4"-20NC	1420	8 mm - 1.00	1733ZR
1/4"-28NF	1423ZR	8 mm - 1.25	1734ZR
5/16"-18NC	1427	9 mm - 1.00	1736
5/16"-24NF	1429ZR	9 mm - 1.25	1737
3/8"-16NC	1434ZR	10 mm - 1.25	1739
3/8"-24NF	1436	10 mm - 1.50	1740ZR
7/16"-14NC	1439ZR	11 mm - 1.50	1741ZR
7/16"-20NF	1440	12 mm - 1.25	1743ZR
1/2"-13NC	1444ZR	12 mm - 1.75	1744ZR
1/2"-20NF	1445		
Pipe		**Pipe**	
1/8"-27NPT	1902ZR	1/8"-28BSP	1911ZR

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 41-Piece Machine Screw, Fractional & Metric Self Alignment Tap Set



Starts Straight

1840235

PERFORMANCE THREADING SYSTEM™

Set Contents			Set Item # 1840235
Thread Size Machine Screw	**Tap Item # Self-Aligning**	**Thread Size Metric**	**Tap Item # Self-Aligning**
4-40NC	4935222	3 mm - 0.50	4935238
6-32NC	4935223	4 mm - 0.70	4935239
8-32NC	4935224	4 mm - 0.75	4935240
10-24NC	4935225	5 mm- 0.80	4935241
10-32NF	4935226	5 mm - 0.90	4935242
12-24NC	4935227	6 mm - 1.00	4935243
Fractional		7 mm- 1 .00	4935244
1/4"-20NC	4935228	8 mm - 1.00	4935245
1/4"-28NF	4935229	8 mm - 1.25	4935246
5/16"-18NC	4935230	9 mm - 1.00	4935247
5/16"-24NF	4935231	9 mm - 1.25	4935248
3/8"-16NC	4935232	10 mm - 1.25	4935249
3/8"-24NF	4935233	10 mm - 1.50	4935250
7/16"-14NC	4935234	11 mm - 1.50	4935251
7/16"-20NF	4935235	12 mm - 1.25	4935252
1/2"-13NC	4935236	12 mm - 1.75	4935253
1/2"-20NF	4935237		
Pipe		**Pipe**	
1/8"-27NPT	1902ZR	1/8"-28BSP	1911ZR

Threading Tools	Item #
PTS Die Stock - 1"	4935054
PTS Die Spacer	1775311
PTS Adj Tap Socket - Small No. 4 to 1/4" (3 mm-6 mm)	4935052
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6 mm - 12 mm)	4935053
T-Bar for Adj Tap Socket	1775312
SAE Pitch Gauge	11018
Metric Pitch Guage	11016

HANSON 38-Piece Machine Screw, Fractional & Metric 1" Hex Die Set



1840236

PERFORMANCE THREADING SYSTEM™

Set Contents			Set Item # 1840236
Thread Size Machine Screw	**Die Item # 1" Hexagonal**	**Thread Size Metric**	**Die Item # 1" Hexagonal**
4-40NC	6412ZR	3 mm - 0.50	6612ZR
6-32NC	6418	4 mm - 0.70	6617
8-32NC	6424	4 mm - 0.75	6618
10-24NC	6428	5 mm- 0.80	6622
10-32NF	6431	5 mm - 0.90	6623
12-24NC	6432ZR	6 mm - 1.00	6627
Fractional		7 mm- 1 .00	6631
1/4"-20NC	6520ZR	8 mm - 1.00	6633
1/4"-28NF	6523ZR	8 mm - 1.25	6634
5/16"-18NC	6527	9 mm - 1.00	6636
5/16"-24NF	6529	9 mm - 1.25	6637
3/8"-16NC	6534ZR	10 mm - 1.25	6639
3/8"-24NF	6536	10 mm - 1.50	6640
7/16"-14NC	6539	11 mm - 1.50	6641
7/16"-20NF	6540	12 mm - 1.25	6642ZR
1/2"-13NC	6544	12 mm - 1.75	6644
1/2"-20NF	6545		
Pipe		**Pipe**	
1/8"-27NPT	1902ZR	1/8"-28BSP	1911ZR
Threading Tools			**Item #**
PTS Die Stock - 1"			4935054
PTS Die Spacer			1775311
SAE Pitch Gauge			11018
Metric Pitch Guage			11016

HANSON 38-Piece Machine Screw, Fractional & Metric Self Alignment Die Set



Starts Straight

1840237

PERFORMANCE THREADING SYSTEM™

Set Contents			Set Item # 1840237
Thread Size Machine Screw	**Die Item # Self-Aligning**	**Thread Size Metric**	**Die Item # Self-Aligning**
4-40NC	4935018	3 mm - 0.50	4935035
6-32NC	4935019	4 mm - 0.70	4935036
8-32NC	4935020	4 mm - 0.75	4935037
10-24NC	4935021	5 mm- 0.80	4935038
10-32NF	4935022	5 mm - 0.90	4935039
12-24NC	4935023	6 mm - 1.00	4935040
Fractional		7 mm- 1 .00	4935041
1/4"-20NC	4935024	8 mm - 1.00	4935042
1/4"-28NF	4935025	8 mm - 1.25	4935043
5/16"-18NC	4935026	9 mm - 1.00	4935044
5/16"-24NF	4935027	9 mm - 1.25	4935045
3/8"-16NC	4935028	10 mm - 1.25	4935046
3/8"-24NF	4935029	10 mm - 1.50	4935047
7/16"-14NC	4935030	11 mm - 1.50	4935048
7/16"-20NF	4935031	12 mm - 1.25	4935049
1/2"-13NC	4935032	12 mm - 1.75	4935050
1/2"-20NF	4935033		
Pipe		**Pipe**	
1/8"-27NPT	1902ZR	1/8"-28BSP	1911ZR
Threading Tools			**Item #**
PTS Die Stock - 1"			4935054
PTS Die Spacer			1775311
SAE Pitch Gauge			11018
Metric Pitch Guage			11016

HANSON 117-piece Machine Screw/Fractional/Metric Tap, Die, Extractor and Drill Bit Deluxe Set



26377

Set Contents				Set Item # 26377
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon	Drill Bit Size	Drill Bit Item #
4 - 40 NC	1112ZR	6112	No. 43	80143
6 - 32 NC	1118	6118	No. 36	80136
8 - 32 NC	1124	6124	No. 29	80129
10 - 24 NC	1128ZR	6128	No. 25	80125
10 - 32 NF	1131	6131	No. 21	80121
12 - 24 NC	1132	6132	No. 16	80116
Fractional		**1" Hexagon**		
1/4" - 20 NC	1420	6520ZR	No. 7	80107
1/4" - 28 NF	1423ZR	6523ZR	No. 3	80103
5/16" - 18 NC	1427	6527	Letter F	40106
5/16" - 24 NF	1429ZR	6529	Letter I	40109
3/8" - 16 NC	1434ZR	6534ZR	5/16"	60120
3/8" - 24 NF	1436	6536	Letter Q	40117
7/16" - 14 NC	1439ZR	6539	Letter U	40121
7/16" - 24 NF	1440	6540	25/64"	60125
1/2" - 13 NC	1444ZR	6544	27/64"	60127
1/2" - 20 NF	1445	6545	29/64"	60129
Metric		**5/8" Hexagon**		
3 mm - 0.50	1712ZR	6312	No. 39	80139
4 mm - 0.70	1717ZR	6317	No. 30	80130
4 mm - 0.75	1718ZR	6318	No. 30	80130*
5 mm - 0.80	1722ZR	6322	No. 19	90119
5 mm - 0.90	1723ZR	6323ZR	No. 20	80120
6 mm - 1.00	1727	6327	No. 9	80109
		1" Hexagon		
7 mm - 1.00	1731ZR	6631	Letter B	40102
8 mm - 1.00	1733ZR	6633	Letter J	40110
8 mm - 1.25	1734ZR	6634	Letter H	40108
9 mm - 1.00	1736	6636	Letter O	40115
9 mm - 1.25	1737	6637	5/16"	60120*
10 mm - 1.25	1739	6639	Letter S	40119
10 mm - 1.50	1740ZR	6640	Letter R	40118
11 mm - 1.50	1741ZR	6641	3/8"	60124
12 mm - 1.50	1743ZR	6643	Letter Z	40126
12 mm - 1.75	1744ZR	6644	13/32"	60126
Pipe				
1/8" - 27 NPT	1902ZR	6702	Letter Q	40117*
1/8" - 28 BSP	1911ZR	6711	21/64"	60121

Spiral Flute Screw Extractor	Drill Bit Size	Item #
EX - 1	5/64"	60105
EX - 2	7/64"	60107
EX - 3	5/32"	60110
EX - 4	1/4"	60116
EX - 5	19/64"	60119

Threading Tools	Item #
Plain Die Stock - 5/8" Hexagon Dies	12457
Adjustable Die Stock - 1" Dies	11026
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
Empty Plastic Case For 26377	26377MT

* Duplicate

HANSON® 76-piece Machine Screw/ Fractional/Metric Tap & Hex Die Set

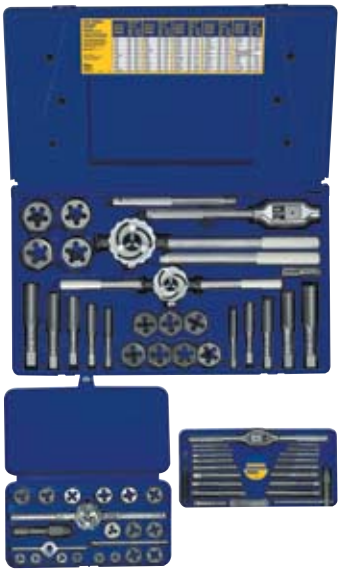


26376

Set Contents		Item # 26376
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon
4 - 40 NC	1112ZR	6112
6 - 32 NC	1118	6118
8 - 32 NC	1124	6124
10 - 24 NC	1128ZR	6128
10 - 32 NF	1131	6131
12 - 24 NC	1132	6132
Fractional		**1" Hexagon**
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
Metric		**5/8" Hexagon**
3 mm - 0.50	1712ZR	6312
4 mm - 0.70	1717ZR	6317
4 mm - 0.75	1718ZR	6318
5 mm - 0.80	1722ZR	6322
5 mm - 0.90	1723ZR	6323ZR
6 mm - 1.00	1727	6327
		1" Hexagon
7 mm - 1.00	1731ZR	6631
8 mm - 1.00	1733ZR	6633
8 mm - 1.25	1734ZR	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
11 mm - 1.50	1741ZR	6641
12 mm - 1.50	1743ZR	6643
12 mm - 1.75	1744ZR	6644
Pipe		
1/8" - 27 NPT	1902ZR	6702
1/8" - 28 BSP	1911ZR	6711

Threading Tools	Item #
Plain Die Stock - 5/8" Hexagon Dies	12457
Adj. Die Stock - 1" Dies	11026
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
Empty Plastic Case For 26376	26376MT

HANSON 66-piece Machine Screw/ Fractional Tap & Hex Die Set



97606

Set Contents		Item # 97606
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon
4 - 40 NC	1112ZR	6112
6 - 32 NC	1118	6118
8 - 32 NC	1124	6124
10 - 24 NC	1128ZR	6128
10 - 32 NF	1131	6131
12 - 24 NC	1132	6132
Fractional		**1" Hexagon**
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
		1-7/16" Hexagon
9/16" - 12 NC	1448	6848
9/16" - 18 NF	1449	6849
5/8" - 11 NC	1452	6852
5/8" - 18 NF	1454	6854
3/4" - 10 NC	1458	6858
3/4" - 16 NF	1460	6860ZR
		1-13/16" Hexagon
7/8" - 9 NC	1461	8461
7/8" - 14 NF	1463	8463
1" - 8 NC	1465ZR	8465
1" - 14 NS	1467ZR	8467
Pipe		**1" Hexagon**
1/8" - 27 NPT	1902ZR	6702
1/4" - 18 NPT	1903ZR	7003

Threading Tools	Item #
Plain Die Stock - 5/8" Hexagon Dies	12457
Adj. Die Stock - 1" Dies	11026
Adj. Die Stock - 1-7/16" Hexagon Dies	12436
Adj. Die Stock - 1-13/16" Hexagon Dies	12446
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

HANSON® 66-piece Metric Tap & Hex Die Set



97312

Set Contents		Item # 97312
Thread Size Metric	Tap Item # Plug Style	Die Item # 5/8" Hexagon
3 mm - 0.50	1712ZR	6312
4 mm - 0.70	1717ZR	6317
4 mm - 0.75	1718ZR	6318
5 mm - 0.80	1722ZR	6322
5 mm - 0.90	1723ZR	6323ZR
6 mm - 1.00	1727	6327
		1" Hexagon
7 mm - 1.00	1731ZR	6631
8 mm - 1.00	1733ZR	6633
8 mm - 1.25	1734ZR	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
11 mm - 1.50	1741ZR	6641
12 mm - 1.50	1743ZR	6643
12 mm - 1.75	1744ZR	6644
		1-7/16" Hexagon
14 mm - 1.25	2449	6949ZR
14 mm - 1.50	1750	6950ZR
14 mm - 2.00	1752ZR	6952
16 mm - 1.50	1755ZR	6955ZR
16 mm - 2.00	1756ZR	6956
18 mm - 1.50	1759ZR	6959
18 mm - 2.50	1761ZR	6961ZR
		1-13/16" Hexagon
20 mm - 2.50	1764ZR	8564ZR
22 mm - 1.50	1765ZR	8565ZR
24 mm - 2.00	1768ZR	8568
24 mm - 3.00	1769ZR	8569
Pipe		1" Hexagon
1/8" - 28 BSP	1911ZR	6711

Threading Tools	Item #
Plain Die Stock - 5/8" Hexagon Dies	12457
Adj. Die Stock - 1" Dies	11026
Adj. Die Stock - 1-7/16" Hexagon Dies	12436
Adj. Die Stock - 1-13/16" Hexagon Dies	12446
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

HANSON 53-piece Machine Screw/ Fractional Tap & Hex Die Set



24640

Set Contents		Item # 24640
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Hexagon
6 - 32 NC	1118	6418
8 - 32 NC	1124	6424
10 - 24 NC	1128ZR	6428
10 - 32 NF	1131	6431
12 - 24 NC	1132	6432ZR
Fractional		
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
		1-7/16" Hexagon
9/16" - 12 NC	1448	6848
9/16" - 18 NF	1449	6849
5/8" - 11 NC	1452	6852
5/8" - 18 NF	1454	6854
3/4" - 10 NC	1458	6858
3/4" - 16 NF	1460	6860ZR
Pipe		1" Hexagon
1/8" - 27 NPT Pipe	1902ZR	6702
1/4" - 18 NPT Pipe	1903ZR	6703
Threading Tools		Item #
Adj. Die Stock - 1" Dies		11026
Adj. Die Stock - 1-7/16" Hexagon Dies		12436
T-Handle Wrench - Taps No. 0 to 1/4"		12473
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
18 Leaf Standard Thread Pitch Gauge		11018

HANSON 53-piece Metric Tap & Hex Die Set



26394

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

HANSON® 41-piece Machine Screw/Fractional Tap & Hex Die Set



24606

- Plastic storage case with removable tray keeps all tools organized

Set Contents		Item # 24606
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon
4 - 40 NC	1112ZR	6112
6 - 32 NC	1118	6118
8 - 32 NC	1124	6124
10 - 24 NC	1128ZR	6128
10 - 32 NF	1131	6131
12 - 24 NC	1132	6132
Fractional		**1" Hexagon**
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
Pipe		**1" Hexagon**
1/8" - 27 NPT	1902	6702
Threading Tools		**Item #**
Plain Die Stock - 5/8" Hexagon Dies		12457
Adj. Die Stock - 1" Dies		11026
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
Empty Plastic Case		24606MT

HANSON 41-piece Metric Tap & Hex Die Set



26317

Set Contents		Item # 26317
Thread Size Metric	Tap Item # Plug Style	5/8" Die Item #
3 mm - 0.50	1712ZR	6312
4 mm - 0.70	1717ZR	6317
4 mm - 0.75	1718ZR	6318
5 mm - 0.80	1722ZR	6322
5 mm - 0.90	1723ZR	6323ZR
6 mm - 1.00	1727	6327
		1" Die Item #
7 mm - 1.00	1731ZR	6631
8 mm - 1.00	1733ZR	6633
8 mm - 1.25	1734ZR	6634
9 mm - 1.00	1736	6636
9 mm - 1.25	1737	6637
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
11 mm - 1.50	1741ZR	6641
12 mm - 1.50	1743ZR	6643
12 mm - 1.75	1744ZR	6644
Pipe		**Item #**
1/8" - 28 BSP	1911ZR	6711
Threading Tools		**Item #**
Plain Die Stock - 5/8" Hexagon Dies		12457
Adj. Die Stock - 1" Dies		11026
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
Empty Plastic Case		24606MT

HANSON® 41-piece Machine Screw/ Fractional/Metric Tap & Hex Die Set



26319

Set Contents		Item # 26319
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon
6 - 32 NC	1118	6118
8 - 32 NC	1124	6124
10 - 24 NC	1128ZR	6128
Fractional		**1" Hexagon**
1/4" - 20 NC	1420	6520ZR
5/16" - 18 NC	1427	6527
3/8" - 16 NC	1434ZR	6534ZR
7/16" - 14 NC	1439ZR	6539
1/2" - 13 NC	1444ZR	6544
1/8" - 27 NPT	1902ZR	6702
Metric		**5/8" Hexagon**
4 mm - 0.75	1718ZR	6318
5 mm - 0.80	1722ZR	6322
6 mm - 1.00	1727	6327
		1" Hexagon
7 mm - 1.00	1731ZR	6631
8 mm - 1.25	1734ZR	6634
10 mm - 1.25	1739	6639
10 mm - 1.50	1740ZR	6640
12 mm - 1.75	1744ZR	6644

Threading Tools	Item #
Adj. Die Stock - 1" 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

HANSON® 25-piece Fractional Tap & Hex Die Set



97094ZR

Set Contents		Item # 97094ZR
Thread Size Fractional	Tap Item # Plug Style	Die Item # 1-7/16" Hexagon
9/16" - 12 NC	1448	6848
9/16" - 18 NF	1449	6849
5/8" - 11 NC	1452	6852
5/8" - 18 NF	1454	6854
3/4" - 10 NC	1458	6858
3/4" - 16 NF	1460	6860ZR
		1-13/16" Hexagon
7/8" - 9 NC	1461	8461
7/8" - 14 NF	1463	8463
1" - 8 NC	1465ZR	8465
1" - 14 NS	1467ZR	8467
Pipe		**1-7/16" Hexagon**
1/4" - 18 NPT	1903ZR	7003

Threading Tools	Item #
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	97094MT

HANSON 25-piece Metric Tap & Hex Die Set



97311

Set Contents		Item # 97311
Thread Size Metric	Tap Item # Plug Style	Die Item # 1-7/16" Hexagon
14 mm - 1.25	2449	6949ZR
14 mm - 1.50	1750	6950ZR
14 mm - 2.00	1752ZR	6952
16 mm - 1.50	1755ZR	6955ZR
16 mm - 2.00	1756ZR	6956
18 mm - 1.50	1759ZR	6959
18 mm - 2.50	1761ZR	6961ZR
		1-13/16" Hexagon
20 mm - 2.50	1764ZR	8564ZR
22 mm - 1.50	1765ZR	8565ZR
24 mm - 2.00	1768ZR	8568
24 mm - 3.00	1769ZR	8569
Threading Tools		**Item #**
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		97311MT

HANSON 12-piece Machine Screw/ Fractional Tap & Hex Die Set



1765542

Set Contents		Item # 1765542
Thread Size Fractional	Tap Item # Self-Alignmening	Die Item # Self-Aligning
1/4" - 20 NC	4935228	4935024
5/16" - 18 NC	4935230	4935026
3/8" - 16 NC	4935232	4935028
1/2" - 13 NC	4935236	4935032
Threading Tools		**Item #**
PTS Die Stock - 1"		4935054
PTS Die Spacer		1775311
PTS Adj Tap Socket - Medium 1/4" to 1/2" (6mm - 12mm)		4935053
T-Bar for Adj Tap Socket		1775312

HANSON 12-piece Machine Screw/ Fractional Tap & Hex Die Set



24605

Set Contents		Item # 24605
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 5/8" Hexagon
6 - 32 NC	1118	6118
8 - 32 NC	1124	6124
10 - 24 NC	1128ZR	6128
10 - 32 NF	1131	6131
Fractional		
1/4" - 20 NC	1420	6220
Threading Tools		**Item #**
Plain Die Stock - 5/8" Hexagon Dies		12457
T-Handle Tap Wrench - Taps No. 0 to 1/4"		12401

HANSON 12-piece Metric Tap & Hex Die Set



1765541

Set Contents		Item # 1765541
Thread Size Metric	Tap Item # Plug Style	Die Item # 5/8" Hexagon
3mm - 0.50	1712ZR	6312
4mm - 0.70	1717ZR	6317
5mm - 0.80	1722ZR	6322
6mm - 1.00	1727	6327
7mm - 1.00	1731ZR	6631
Threading Tools		**Item #**
Plain Die Stock - 5/8" Hexagon Dies		12457
T-Handle Tap Wrench - Taps No. 0 to 1/4"		12401

HANSON 24-piece Fractional Tap & Hex Die Set



24614

Set Contents		Item # 24614
Thread Size Fractional	Tap Item # Plug Style	Die Item # 1" Hexagon
1/4" - 20 NC	1420	6520ZR
1/4" - 28 NF	1423ZR	6523ZR
5/16" - 18 NC	1427	6527
5/16" - 24 NF	1429ZR	6529
3/8" - 16 NC	1434ZR	6534ZR
3/8" - 24 NF	1436	6536
7/16" - 14 NC	1439ZR	6539
7/16" - 20 NF	1440	6540
1/2" - 13 NC	1444ZR	6544
1/2" - 20 NF	1445	6545
Pipe		
1/8" - 27 NPT	1902ZR	6702
Threading Tools		Item #
Plain Die Stock - 1" Dies		11008
Offset Adj. Tap Wrench - Taps No. 0 to 1/2"		12421

HANSON 24-piece Metric Tap & Hex Die Set



26313

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

HANSON 12-piece Fractional Tap & Hex Die Set



24612

Set Contents		Item # 24612
Thread Size Fractional	Tap Item # Plug Style	Die Item # 1" Hexagon
1/4" - 20 NC	1420ZR	6520ZR
5/16" - 18 NC	1427	6527
3/8" - 16 NC	1434ZR	6534ZR
7/16" - 14 NC	1439ZR	6539
1/2" - 13 NC	1444ZR	6544
Threading Tools		Item #
Plain Die Stock - 1" Dies		11008
Offset Adj. Tap Wrench - Taps No. 0 to 1/2"		12421

HANSON® 64-piece Machine Screw/ Fractional Tap & Solid / Adjustable Round Die Set



98614

Set Contents		Item # 98614
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Solid Round
4 - 40 NC	1112ZR	3012
6 - 32 NC	1118	3018
8 - 32 NC	1124	3024
10 - 24 NC	1128ZR	3028ZR
10 - 32 NF	1131	3031
12 - 24 NC	1132	3032
Fractional		
1/4" - 20 NC	1420	3120
1/4" - 28 NF	1423ZR	3123
5/16" - 18 NC	1427	3127
5/16" - 24 NF	1429ZR	3129
3/8" - 16 NC	1434ZR	3134
3/8" - 24 NF	1436	3136
7/16" - 14 NC	1439ZR	3139
7/16" - 20 NF	1440	3140
1/2" - 13 NC	1444ZR	3144
1/2" - 20 NF	1445	3145
		1-1/2" Adj. Round
9/16" - 12 NC	1448	4048ZR
9/16" - 18 NF	1449	4049ZR
5/8" - 11 NC	1452	4052
5/8" - 18 NF	1454	4054
3/4" - 10 NC	1458	4058ZR
3/4" - 16 NF	1460	4060ZR
		2" Adj. Round
7/8" - 9 NC	1461	4261
7/8" - 14 NF	1463	4263
1" - 8 NC	1465ZR	4265
1" - 12 NF	1466ZR	4266
Pipe		1" Solid Round
1/8" - 27 NPT	1902ZR	3202
		1-1/2" Solid Round
1/4" - 18 NPT	1903ZR	4103

Threading Tools	Item #
Adj. Die Stock - 1" Dies	11026
Adj. Die Stock - 1-1/2" Adj. Round Dies	12435
Adj. Die Stock - 2" Adj. Round Dies	12445
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"	311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"	12498
T-Handle Wrench - Taps No. 0 to 1/4"	12401
18 Leaf Standard Thread Pitch Gauge	11018

HANSON 64-piece Machine Screw/ Fractional Tap & Adjustable / Solid Round Die Set



98146

Set Contents		Item # 98146
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Adj. Round
4 - 40 NC	1112ZR	3712
6 - 32 NC	1118	3718
8 - 32 NC	1124	3724
10 - 24 NC	1128ZR	3728
10 - 32 NF	1131	3731
12 - 24 NC	1132	3732
Fractional		
1/4" - 20 NC	1420	3820ZR
1/4" - 28 NF	1423ZR	3823
5/16" - 18 NC	1427	3827
5/16" - 24 NF	1429ZR	3829
3/8" - 16 NC	1434ZR	3834
3/8" - 24 NF	1436	3836
7/16" - 14 NC	1439ZR	3839
7/16" - 20 NF	1440	3840
1/2" - 13 NC	1444ZR	3844
1/2" - 20 NF	1445	3845
		1-1/2" Adj. Round
9/16" - 12 NC	1448	4048ZR
9/16" - 18 NF	1449	4049ZR
5/8" - 11 NC	1452	4052
5/8" - 18 NF	1454	4054
3/4" - 10 NC	1458	4058ZR
3/4" - 16 NF	1460	4060ZR
		2" Adj. Round
7/8" - 9 NC	1461	4261
7/8" - 14 NF	1463	4263
1" - 8 NC	1465ZR	4265
1" - 12 NF	1466ZR	4266
Pipe		**1" Solid Round**
1/8" - 27 NPT	1902ZR	3202
		1-1/2" Solid Round
1/4" - 18 NPT	1903ZR	4103
Threading Tools		**Item #**
Adj. Die Stock - 1" Adj. Round Dies		12428
Adj. Die Stock - 1-1/2" Adj. Round Dies		12435
Adj. Die Stock - 2" Adj. Round Dies		12445
Adj. Handle Tap Wrench - Taps No. 0 to 1/2"		311088
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
T-Handle Wrench - Taps No. 0 to 1/4"		12401
18 Leaf Standard Thread Pitch Gauge		11018

HANSON® 41-piece Fractional Tap & Adjustable/Solid Round Die Set



25941

Set Contents		Item # 25941
Thread Size Fractional	Tap Item # Plug Style	Die Item # 1-1/2" Adj. Round
1/4" - 20 NC	1420	4020ZR
1/4" - 28 NF	1423ZR	4023
5/16" - 18 NC	1427	4027ZR
5/16" - 24 NF	1429ZR	4029ZR
3/8" - 16 NC	1434ZR	4034ZR
3/8" - 24 NF	1436	4036
7/16" - 14 NC	1439ZR	4039ZR
7/16" - 20 NF	1440	4040ZR
1/2" - 13 NC	1444ZR	4044
1/2" - 20 NF	1445	4045ZR
9/16" - 12 NC	1448	4048ZR
9/16" - 18 NF	1449	4049ZR
5/8" - 11 NC	1452	4052
5/8" - 18 NF	1454	4054
3/4" - 10 NC	1458	4058ZR
3/4" - 16 NF	1460	4060ZR
Pipe		1-1/2" Solid Round
1/8" - 27 NPT	1902ZR	4102
1/4" - 18 NPT	1903ZR	4103
Threading Tools		**Item #**
Adj. Die Stock - 1-1/2" 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
Empty Plastic Case		25941MT

HANSON 39-piece Machine Screw/ Fractional Tap & Solid Round Die Set



23614

Set Contents		Item # 23614
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1" Solid Round
4 - 40 NC	1112ZR	3012
6 - 32 NC	1118	3018
8 - 32 NC	1124	3024
10 - 24 NC	1128ZR	3028ZR
10 - 32 NF	1131	3031
12 - 24 NC	1132	3032
Fractional		
1/4" - 20 NC	1420	3120ZR
1/4" - 28 NF	1423ZR	3123
5/16" - 18 NC	1427	3127
5/16" - 24 NF	1429ZR	3129
3/8" - 16 NC	1434ZR	3134
3/8" - 24 NF	1436	3136
7/16" - 14 NC	1439ZR	3139
7/16" - 20 NF	1440	3140
1/2" - 13 NC	1444ZR	3144
1/2" - 20 NF	1445	3145
Pipe		
1/8" - 27 NPT	1902ZR	3202
Threading Tools		**Item #**
Adj. Die Stock - 1" Dies		11026
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
Empty Plastic Case		23614MT

HANSON 39-piece Machine Screw/ Fractional Tap & Adjustable Round Die Set



25914

Set Contents		Item # 25914
Thread Size Machine Screw	Tap Item # Plug Style	Die Item # 1-1/2" Adj. Round
4 - 40 NC	1112ZR	3712
6 - 32 NC	1118	3718
8 - 32 NC	1124	3724
10 - 24 NC	1128ZR	3728
10 - 32 NF	1131	3731
12 - 24 NC	1132	3732
Fractional		
1/4" - 20 NC	1420	3820ZR
1/4" - 28 NF	1423ZR	3823
5/16" - 18 NC	1427	3827
5/16" - 24 NF	1429ZR	3829
3/8" - 16 NC	1434ZR	3834
3/8" - 24 NF	1436	3836
7/16" - 14 NC	1439ZR	3839
7/16" - 20 NF	1440	3840
1/2" - 13 NC	1444ZR	3844
1/2" - 20 NF	1445	3845
Pipe		
1/8" - 27 NPT	1902ZR	3202
Threading Tools		**Item #**
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
Empty Plastic Case		25914MT

HANSON® 25-piece Fractional Tap & Adjustable/Solid Round Die Set



98000

Set Contents		Item # 98000
Thread Size Fractional	Tap Item # Plug Style	Die Item # 1-1/2" Adj. Round
9/16" - 12 NC	1448	4048ZR
9/16" - 18 NF	1449	4049ZR
5/8" - 11 NC	1452	4052
5/8" - 18 NF	1454	4054
3/4" - 10 NC	1458	4058ZR
3/4" - 16 NF	1460	4060ZR
		2" Adj. Round
7/8" - 9 NC	1461	4261
7/8" - 14 NF	1463	4263
1" - 8 NC	1465ZR	4265
1" - 12 NF	1466ZR	4266
Pipe		1-1/2"Solid Round
1/4" - 18 NPT	1903ZR	4103
Threading Tools		**Item #**
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		98000MT

HANSON 24-piece Fractional Tap & Solid Round Die Set



23622

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

HANSON Cut Thread Machine Screw Taps (HSS)



400023



403025



406025

- Straight fluted, hand taps
- Taps produce a class 2B thread

Description	No. of Flutes	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #
4 - 40 NC	3	403009	–	–
6 - 32 NC	3	403015	400015ZR	406015
6 - 48 NS	3	403017	400017	406017
8 - 32 NC	4	403019	400019	406019
8 - 40 NS	4	403021	400021ZR	406021ZR
10 - 24 NC	4	403022	400022ZR	406022
10 - 32 NF	4	403023	400023ZR	406023
12 - 24 NC	4	403025	400025ZR	–
14 - 20 NS	4	403028	–	–

HANSON Cut Thread Fractional Taps (HSS)



410022



413022



416022

- Straight fluted, hand taps
- Taps produce a class 2B thread
- Works in most materials including stainless & alloy steels

Description	No. of Flutes	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #
1/4" - 20 NC	4	413010	410010	416010
1/4" - 28 NF	4	413012	–	416012
5/16" - 18 NC	4	413015	410015	416015
5/16" - 24 NF	4	413016	–	416016
3/8" - 16 NC	4	413018	410018	416018
3/8" - 24 NF	4	413019	410019ZR	–
7/16" - 14 NC	4	413020	410020	416020
7/16" - 20 NF	4	413021	410021	–
1/2" - 13 NC	4	413022	410022ZR	416022
1/2" - 20 NF	4	413023	410023ZR	–
9/16" - 12 NC	4	413024	–	–
5/8" - 11 NC	4	413026	410026	–
3/4" - 10 NC	4	–	410028	–

HANSON Cut Thread Pipe Taper Taps (HSS)



459002

- Cuts internal threads in pipes
- Ideal for pipe fittings
- Tapered at a rate of 3/4" per foot

Description	No. of Flutes	Taper Item #
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

HANSON 6-piece Cut Thread Pipe Taper Tap Set (HSS)



1924

Contents	Item # 1924ZR
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

Tips

- Always use cutting fluid
- When threading a blind hole, clean the chips from the hole often and do not bottom out the tap – it can cause tap breakage.

HANSON Ground Thread Fractional Taps (HSS)



310310



313310



316310

- 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	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #
1/4" - 20 NC	4	H3	313310	310310	316310
1/4" - 28 NF	4	H3	313312	310312	316312
5/16" - 18 NC	4	H3	313315	310315	316315
5/16" - 24 NF	4	H3	313316	310316	316316
3/8" - 16 NC	4	H3	313318	310318	316318
3/8" - 24 NF	4	H3	313319	310319	316319
7/16" - 14 NC	4	H3	313320	310320	316320
1/2" - 13 NC	4	H3	313322	310322	316322
1/2" - 20 NF	4	H3	313325	310323	316323
9/16" - 18 NF	4	H3	313326	–	–
5/8" - 11 NC	4	H3	313327	310327	316327
5/8" - 18 NF	4	H3	313328	310328	316328
3/4" - 10 NC	4	H3	313331	310331	316331
3/4" - 16 NF	4	H3	313332	310332	316332
7/8" - 9 NC	4	H4	313433	310433	316433
7/8" - 14 NF	4	H4	313434	310434	316434
1" - 8 NC	4	H4	313435	310435	316435
1" - 12 NF	4	H4	313436	–	–
1" - 14 NS	4	H4	313437	–	–
1-1/8" - 7 NC	4	H4	313438	310438	316438
1-1/8" - 12 NF	4	H4	313439	310439	316439
1-1/4" - 7 NC	4	H4	313440	310440	316440
1-1/4" - 12 NF	6	H4	313441	310441	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 Ground Thread Machine Screw Taps (HSS)



300325

- Ideal for maintenance and repair work
- 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	Plug Bulk Item #	Taper Bulk Item #	Bottom Bulk Item #
0 - 80 NF	2	H1	303101	–	–
1 - 64 NC	2	H1	303102	–	–
1 - 72 NC	2	H1	303103	–	–
2 - 56 NC	3	H2	303205	–	306205
6 - 32 NC	3	H3	–	300315	–
8 - 32 NC	4	H3	303319	300319	–
10 - 24 NC	4	H3	303322	300322	–
10 - 32 NF	4	H3	303323	300323	–
12 - 24 NC	4	H3	–	300325	–
12 - 28 NF	4	H3	–	300326	–

HANSON Ground Thread Left-hand Fractional Plug Taps (HSS)



2120

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

Description	No. of Flutes	Pitch Diameter Limits	Bulk Item #
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	2140ZR
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	2158ZR
3/4" - 16 NF	4	H3	2160ZR

HANSON Ground Thread Pipe Taper Taps (HSS)



359003

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

Description	No. of Flutes	Bulk Item #
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

HANSON Ground Thread Spiral Point* (Gun Taps) Chip Driver Machine Screw/Fractional Taps (HSS)



323325

- Engineered specifically for tapping of “through" holes
- Designed to .0005-inches pitch tolerance
- Cuts with a shearing action that shoots the chips ahead of the tap, producing a cleaner thread
- Recommended for production use in machine tools

Description	No. of Flutes	Pitch Diameter Limits	Taper Bulk Item #
Machine			
6 - 32 NC	2	H3	323315
8 - 32 NC	2	H3	323319
10 - 24 NC	2	H3	323322
10 - 32 NF	2	H3	323323ZR
12 - 24 NC	2	H3	323325
14 - 20 NS	2	H3	323328
Fractional			
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

*Spiral Point taps should only be used on “through" hole applications

HANSON Adjustable Round Machine Screw & Fractional Dies (HSS)



502024



504053

- HSS ideal for machine cutting where critical dimensions are required
- Adjustable round dies for precision threading

Description	1" Overall Diam. Bulk Item #	2" Overall Diam. Bulk Item #
Machine		
4 - 40 NC	502009	–
4 - 48 NF	502010	–
5 - 40 NC	502012	–
5 - 44 NF	502013	–
6 - 32 NC	502014	–
6 - 40 NF	502015	–
8 - 32 NC	502018	–
8 - 36 NF	502019	–
10 - 24 NC	502021	–
10 - 32 NF	502022	–
12 - 24 NC	502024	–
12 - 28 NF	502025	–
Fractional		
1/4" - 20 NC	502038	–
1/4" - 28 NF	502039	–
5/16" - 18 NC	502041	–
5/16" - 24 NF	502042	–
3/8" - 16 NC	502044	–
3/8" - 24 NF	502045	–
7/16" - 14 NC	502046	–
7/16" - 20 NF	502047	–
1/2" - 13 NC	502048	–
1/2" - 20 NF	502049	–
5/8" - 11 NC	–	504053
5/8" - 18 NF	–	504054
3/4" - 10 NC	–	504057
3/4" - 16 NF	–	504058
7/8" - 9 NC	–	504059
7/8" - 14 NF	–	504060
1" - 8 NC	–	504061
1" - 12 NF	–	504062
1" - 14 NS	–	504063

HANSON 41-piece HSS Cut Thread Fractional Tap & Adjustable Die Set



543715

Set Contents		Stock # 543715
Thread Size Fractional	Tap Stock # Plug Style	Die Stock # 1-1/2" Adj. Round
1/4" - 20 NC	413010	503038
1/4" - 28 NF	413012	503039
5/16" - 18 NC	413015	503041
5/16" - 24 NF	413016	503042
3/8" - 16 NC	413018	503044
3/8" - 24 NF	413019	503045
7/16" - NC	413020	503046
7/16" - 20 NF	413021	503047
1/2" - 13 NC	413022	503048
1/2" - 20 NF	413023	503049
9/16" - 12 NC	413024	503051
9/16" - 18 NF	413025	503052
5/8" - 11 NC	413026	503053
5/8" - 18 NF	413027	503054
3/4" - 10 NC	413028	503057
3/4" - 16 NF	413029	503058
1/8" - 27 NPT	459001	503102
1/4" - 18 NPT	459002	503101
Threading Tools		**Stock #**
Adj. Die Stock - 1-1/2" Round Dies		12435
T-Handle Wrench - Taps No. 1/4" to 1/2"		12402
Adj. Handle Tap Wrench - Taps 1/4" to 1"		12498
18 Leaf Standard Thread Pitch Gauge		11018

HANSON 39-piece HSS Cut Thread Machine Screw/Fractional Tap & Adjustable Round Die Set



541614

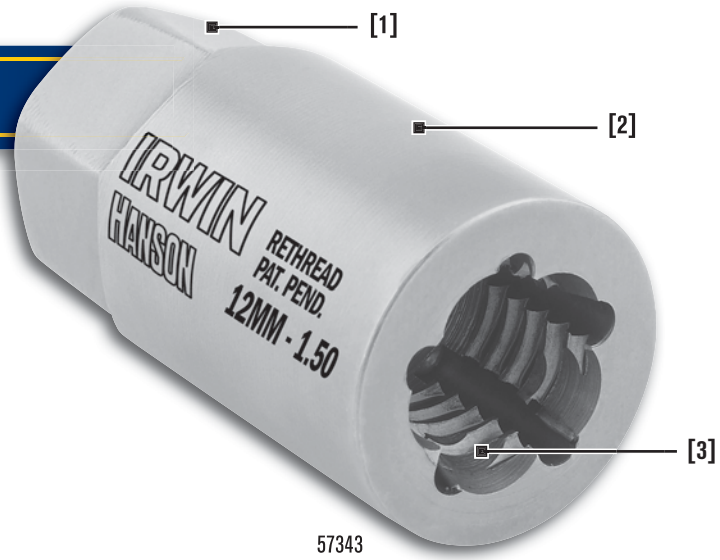
Set Contents		Stock # 541614
Thread Size Machine Screw	Tap Stock # Plug Style	Die Stock # 1" Adj. Round
4 - 40 NC	403009	502009
6 - 32 NC	403015	502014
8 - 32 NC	403019	502018
10 - 24 NC	403022	502021
10 - 32 NF	403023	502022
12 - 24 NC	403025	502024
Fractional		
1/4" - 20 NC	413010	502038
1/4" - 28 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

Deep Well Thread Chaser

The IRWIN® HANSON® Deep Well Thread Chaser allows you to reach and repair threads that your current tools can't touch. Whether you're repairing wheel studs, bolts, or other fasteners, the Deep Well Thread Chaser will fix your threads quickly and correctly.

DEEP WELL THREAD CHASER
FEATURES

1. Reduced profile head enables use in confined spaces
2. Rethread design repairs & cleans bent, dented, rusted, painted, or damaged threads
3. Deep well design fits over exposed studs and repairs the full length
4. Tougher than tool steel, high carbon steel ensures longer life and greater durability



57343


3094102


3094104

Description	Pack Qty	Item #
3/8" - 16 NC ThreadChaser	4	57234
3/8" - 24 NF ThreadChaser	4	57236
7/16" - 14 NC ThreadChaser	4	57239
7/16" - 20 NF ThreadChaser	4	57240
1/2" - 13 NC ThreadChaser	4	57244
1/2" - 20 NF ThreadChaser	4	57245
9/16" - 12 NC ThreadChaser	4	57248
9/16" - 18 NF ThreadChaser	4	57249
5/8" - 11 NC ThreadChaser	4	57252
5/8" - 18 NF ThreadChaser	4	57254
12 mm - 1.25 ThreadChaser	4	57342
12 mm - 1.50 ThreadChaser	4	57343
14 mm - 1.50 ThreadChaser	4	57349
16 mm - 1.50 ThreadChaser	4	57355
ThreadChaser 5-Pc SAE Coarse Set	1	3094100
ThreadChaser 5-Pc SAE Fine Set	1	3094101
ThreadChaser 10-Pc SAE Complete Set	1	3094102
ThreadChaser 4-Pc Metric Set	1	3094104

HANSON® Hexagon Re-threading Pipe Taper Dies (HCS)



7403

- Ideal for repairing damaged threads on plumbing and air pipe applications

Description	Width Across Hex Flats	Thickness of Hex Die	Bulk Item #
1/8" - 27 NPT	1-1/16"	3/8"	7402
1/4" - 18 NPT	1-1/4"	5/8"	7403ZR
3/8" - 18 NPT	1-7/16"	5/8"	7404
1/2" - 14 NPT	1-5/8"	3/4"	7405
3/4" - 14 NPT	2"	3/16"	7406
1" - 11-1/2 NPT	2-3/8"	1"	7407

HANSON Re-threading Hexagon Metric Right & Left-hand Dies (HCS)



7349

- Ideal for repairing damaged bolts and studs where metric threads are specified

Description	Width Across Hex Flats	Thickness of Hex Die	Right-Hand Bulk Item #	Left-Hand Bulk Item #
14 mm - 1.25	1-1/16"	1/2"	7349	–
14 mm - 1.50	1-1/16"	1/2"	7350	–
14 mm - 2.00	1-1/16"	1/2"	7352	–
16 mm - 1.50	1-1/4"	5/8"	7355	7855
16 mm - 2.00	1-1/4"	5/8"	7356	–
18 mm - 1.00	1-7/16"	3/4"	7358	–
18 mm - 1.50	1-7/16"	3/4"	7359	7859
18 mm - 2.50	1-7/16"	3/4"	7361	–
20 mm - 2.50	1-7/16"	3/4"	7364	–
22 mm - 1.50	1-5/8"	7/8"	7365ZR	7865ZR
24 mm - 1.50	1-13/16"	1"	7367	–
30 mm - 1.50	2"	1"	7373	–

HANSON Re-threading Hexagon Fractional Right & Left-hand Dies (HCS)



7220

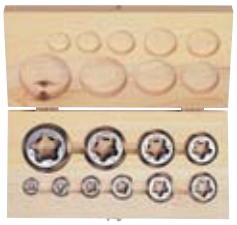


7720

- Designed for repairing damaged bolts and studs

Description	Width Across Hex Flats	Thickness of Hex Die	Right-Hand Bulk Item #	Left-Hand Bulk Item #
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"	7227ZR	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	7739ZR
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"	7248ZR	7748
9/16" - 18 NF	1-1/16"	1/2"	7249ZR	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"	7257ZR	7757
3/4" - 10 NC	1-7/16"	3/4"	7258ZR	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 10-piece Hexagon Re-threading Fractional NC Die Set (HCS)



25701

Set Contents	Item # 25701
Die Size	
1/4" - 20 NC	7220
5/16" - 18 NC	7227ZR
3/8" - 16 NC	7234
7/16" - 14 NC	7239
1/2" - 13 NC	7244
9/16" - 12 NC	7248ZR
5/8" - 11 NC	7252
3/4" - 10 NC	7258ZR
7/8" - 9 NC	7261
1" - 8 NC	7265

HANSON 10-piece Hexagon Re-threading Fractional NF Die Set (HCS)



24801

Set Contents	Item # 24801
Die Size	
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	7249ZR
5/8" - 18 NF	7252
3/4" - 16 NF	7260
7/8" - 14 NF	7263
1" - 12 NF	7266

HANSON 6-piece Hexagon Re-threading Fractional Pipe Taper Die Set (HCS)



1922

Set Contents	Item # 1922ZR
Die Size	
1/8" - 27 NPT	7402
1/4" - 18 NPT	7403ZR
3/8" - 18 NPT	7404
1/2" - 14 NPT	7405
3/4" - 14 NPT	7406
1" - 11-1/2 NPT	7407

HANSON 16-piece Hexagon Re-threading Fractional Die Set (HCS)



24839

Set Contents	Item # 24839
Die Size	
1/4" - 20 NC	7220
1/4" - 28 NF	7223
5/16" - 18 NC	7227ZR
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	7248ZR
9/16" - 18 NF	7249ZR
5/8" - 11 NC	7252
5/8" - 18 NF	7254
3/4" - 10 NC	7258ZR
3/4" - 16 NF	7260

HANSON 12-piece Tap & Re-threading Hexagonal Pipe Die Sets (HCS) & (HSS)



1920

Set Contents		Item # 1920
Thread Size Pipe	Tap Item #	Hex Die Item #
1/8" - 27 NPT	1902	7402
1/4" - 18 NPT	1903	7403ZR
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		1920MT

Set Contents		Item # 1923
Thread Size Pipe	Tap Item #	Hex Die Item #
1/8" - 27 NPT	459001	7402
1/4" - 18 NPT	459002	7403ZR
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