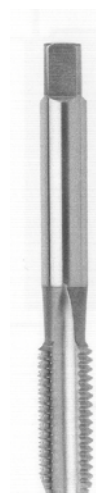
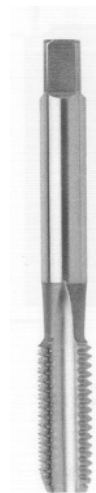




**CODE**

**HSS TAPS-STRAIGHT FLUTE BSW**

5210240	3/32 BSW HSS TAP SET
5210241	3/32 BSW HSS TAPER TAP
5210242	3/32 BSW HSS SECOND TAP
5210243	3/32 BSW HSS BOTT.TAP
5210320	1/8 BSW HSS TAP SET
5210321	1/8 BSW HSS TAPER TAP
5210322	1/8 BSW HSS SECOND TAP
5210323	1/8 BSW HSS BOTT.TAP
5210400	5/32 BSW HSS TAP SET
5210401	5/32 BSW HSS TAPER TAP
5210402	5/32 BSW HSS SECOND TAP
5210403	5/32 BSW HSS BOTT.TAP
5210480	3/16 BSW HSS TAP SET
5210481	3/16 BSW HSS TAPER TAP
5210482	3/16 BSW HSS SECOND TAP
5210483	3/16 BSW HSS BOTT.TAP
5210640	1/4 BSW HSS TAP SET
5210641	1/4 BSW HSS TAPER TAP
5210642	1/4 BSW HSS SECOND TAP
5210643	1/4 BSW HSS BOTT.TAP
5210790	5/16 BSW HSS TAP SET
5210791	5/16 BSW HSS TAPER TAP
5210792	5/16 BSW HSS SECOND TAP
5210793	5/16 BSW HSS BOTT.TAP
5210950	3/8 BSW HSS TAP SET
5210951	3/8 BSW HSS TAPER TAP
5210952	3/8 BSW HSS SECOND TAP
5210953	3/8 BSW HSS BOTT.TAP
5211110	7/16 BSW HSS TAP SET
5211111	7/16 BSW HSS TAPER TAP
5211112	7/16 BSW HSS SECOND TAP
5211113	7/16 BSW HSS BOTT.TAP
5211270	1/2 BSW HSS TAP SET
5211271	1/2 BSW HSS TAPER TAP
5211272	1/2 BSW HSS SECOND TAP
5211273	1/2 BSW HSS BOTT.TAP
5211430	9/16 BSW HSS TAP SET
5211431	9/16 BSW HSS TAPER TAP
5211432	9/16 BSW HSS SECOND TAP
5211433	9/16 BSW HSS BOTT.TAP
5211590	5/8 BSW HSS TAP SET
5211591	5/8 BSW HSS TAPER TAP
5211592	5/8 BSW HSS SECOND TAP
5211593	5/8 BSW HSS BOTT.TAP
5211910	3/4 BSW HSS TAP SET
5211911	3/4 BSW HSS TAPER TAP
5211912	3/4 BSW HSS SECOND TAP
5211913	3/4 BSW HSS BOTT.TAP
5212220	7/8 BSW HSS TAP SET
5212221	7/8 BSW HSS TAPER TAP
5212222	7/8 BSW HSS SECOND TAP
5212223	7/8 BSW HSS BOTT.TAP
5212540	1" BSW HSS TAP SET
5212541	1"BSW HSGT TAPER TAP
5212542	1" BSW HSGT INTER TAP
5212543	1" BSW HSGT BOTT TAP
5212860	1.1/8 BSW HSS TAP SET
5212861	1 1/8 BSW HSS TAPER TAP
5212862	1 1/8 BSW HSS SECOND TAP
5212863	1 1/8 BSW HSS BOTT.TAP



**CUTTING TOOL  
DIVISION**



**CUTTING TOOL  
DIVISION**

**CODE**

5213170  
5213171  
5213172  
5213173  
5213810  
5213811  
5213812  
5213813  
5214450  
5214451  
5214452  
5214453  
5215081  
5215082  
5215083

**HSS TAPS-STRAIGHT FLUTE B**

1.1/4 BSW HSS TAP SET  
1 1/4 BSW HSS TAPER TAP  
1 1/4 BSW HSS SECOND TAP  
1 1/4 BSW HSS BOTT.TAP  
1.1/2 BSW HSS TAP SET  
1 1/2 BSW HSS TAPER TAP  
1 1/2 BSW HSS SECOND TAP  
1 1/2 BSW HSS BOTT.TAP  
1.3/4 BSW HSS TAP SET  
1 3/4 BSW HSS TAPER TAP  
1 3/4 BSW HSS SECOND TAP  
1 3/4 BSW HSS BOTT.TAP  
2" BSW HSS TAPER TAP  
2" BSW HSS SECOND TAP  
2" BSW HSS BOTT.TAP



**CODE**

5260320  
5260400  
5260480  
5260640  
5260790  
5260950  
5261110  
5261270  
5261590  
5261910  
5262220  
5262540

**HSS TAPS- GUN NOSE BSW**

BSW 1/8 STE ISO SP PT TAP  
BSW 5/32 STE ISO SP PT TAP  
BSW 3/16 STE ISO SP PT TAP  
BSW 1/4 STE ISO SP PT TAP  
BSW 5/16 STE ISO SP PT TAP  
BSW 3/8 STE ISO SP PT TAP  
BSW 7/16 STE ISO SP PT TAP  
BSW 1/2 STE ISO SP PT TAP  
BSW 5/8 STE ISO SP PT TAP  
BSW 3/4 STE ISO SP PT TAP  
BSW 7/8 STE ISO SP PT TAP  
BSW 1" STE ISO SP PT TAP



**CODE**

5280320  
5280400  
5280480  
5280640  
5280790  
5280950  
5281110  
5281270  
5281590  
5281910  
5282220  
5282540

**HSS TAPS-SPIRAL FLUTE BSW**

BSW 1/8 STE ISO SP FL 35 TAP  
BSW 5/32 STE ISO SP FL 35 TAP  
BSW 3/16 STE ISO SP FL 35 TAP  
BSW 1/4 STE ISO SP FL 35 TAP  
BSW 5/16 STE ISO SP FL 35 TAP  
BSW 3/8 STE ISO SP FL 35 TAP  
BSW 7/16 STE ISO SP FL 35 TAP  
BSW 1/2 STE ISO SP FL 35 TAP  
BSW 5/8 STE ISO SP FL 35 TAP  
BSW 3/4 STE ISO SP FL 35 TAP  
BSW 7/8 STE ISO SP FL 35 TAP  
BSW 1" STE ISO SP FL 35 TAP



**CODE**

5290320  
5290480  
5290640  
5290790  
5290950

**HSS TAPS- FLUTELESS BSW**

BSW 1/8 STE ISO F/LESS TAP  
BSW 3/16 STE ISO F/LESS TAP  
BSW 1/4 STE ISO F/LESS TAP  
BSW 5/16 STE ISO F/LESS TAP  
BSW 3/8 STE ISO F/LESS TAP

**CUTTING TOOL  
DIVISION**

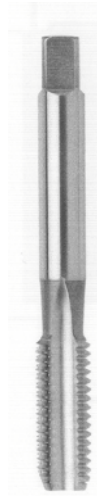


**CUTTING TOOL  
DIVISION**

**CODE**

**HSS TAPS-STRAIGHT FLUTE BSF**

5310480	3/16 BSF HSS TAP SET
5310481	3/16 BSF HSS TAPER TAP
5310482	3/16 BSF HSS SECOND TAP
5310483	3/16 BSF HSS BOTT.TAP
5310640	1/4 BSF HSS TAP SET
5310641	1/4 BSF HSS TAPER TAP
5310642	1/4 BSF HSS SECOND TAP
5310643	1/4 BSF HSS BOTT.TAP
5310790	5/16 BSF HSS TAP SET
5310791	5/16 BSF HSS TAPER TAP
5310792	5/16 BSF HSS SECOND TAP
5310793	5/16 BSF HSS BOTT.TAP
5310950	3/8 BSF HSS TAP SET
5310951	3/8 BSF HSS TAPER TAP
5310952	3/8 BSF HSS SECOND TAP
5310953	3/8 BSF HSS BOTT.TAP
5311110	7/16 BSF HSS TAP SET
5311111	7/16 BSF HSS TAPER TAP
5311112	7/16 BSF HSS SECOND TAP
5311113	7/16 BSF HSS BOTT.TAP
5311270	1/2 BSF HSS TAP SET
5311271	1/2 BSF HSS TAPER TAP
5311272	1/2 BSF HSS SECOND TAP
5311273	1/2 BSF HSS BOTT.TAP
5311591	5/8 BSF HSS TAPER TAP
5311592	5/8 BSF HSS SECOND TAP
5311593	5/8 BSF HSS BOTT.TAP
5311911	3/4 BSF HSS TAPER TAP
5311912	3/4 BSF HSS SECOND TAP
5311913	3/4 BSF HSS BOTT.TAP
5312221	7/8 BSF HSS TAPER TAP
5312222	7/8 BSF HSS SECOND TAP
5312223	7/8 BSF HSS BOTT.TAP
5312541	1" BSF HSS TAPER TAP
5312542	1" BSF HSS SECOND TAP
5312543	1" BSF HSS BOTT. TAP





**CODE**

**HSS TAPS-STRAIGHT FLUTE UNC**

5410320	NO. 5 UNC HSS TAP SET
5410321	NO. 5 UNC HSS TAPER TAP
5410322	NO. 5 UNC HSS SECOND TAP
5410323	NO. 5 UNC HSS BOTT.TAP
5410350	NO. 6 UNC HSS TAP SET
5410351	NO. 6 UNC HSS TAPER TAP
5410352	NO. 6 UNC HSS SECOND TAP
5410353	NO. 6 UNC HSS BOTT.TAP
5410420	NO. 8 UNC HSS TAP SET
5410421	NO. 8 UNC HSS TAPER TAP
5410422	NO. 8 UNC HSS SECOND TAP
5410423	NO. 8 UNC HSS BOTT.TAP
5410480	NO.10 UNC HSS TAP SET
5410481	NO.10 UNC HSS TAPER TAP
5410482	NO.10 UNC HSS SECOND TAP
5410483	NO.10 UNC HSS BOTT.TAP
5410550	NO.12 UNC HSS TAP SET
5410551	NO.12 UNC HSS TAPER TAP
5410552	NO.12 UNC HSS SECOND TAP
5410553	NO.12 UNC HSS BOTT.TAP
5410640	1/4 UNC HSS TAP SET
5410641	1/4 UNC HSS TAPER TAP
5410642	1/4UNC HS INTER TAP
5410643	1/4 UNC HSS BOTT.TAP
5410790	5/16 UNC HSS TAP SET
5410791	5/16 UNC HSS TAPER TAP
5410792	5/16 UNC HSS SECOND TAP
5410793	5/16 UNC HSS BOTT.TAP
5410950	3/8 UNC HSS TAP SET
5410951	3/8 UNC HSS TAPER TAP
5410952	3/8 UNC HSS SECOND TAP
5410953	3/8 UNC HSS BOTT.TAP
5411110	7/16 UNC HSS TAP SET
5411111	7/16 UNC HSS TAPER TAP
5411112	7/16 UNC HSS SECOND TAP
5411113	7/16 UNC HSS BOTT.TAP
5411270	1/2 UNC HSS TAP SET
5411271	1/2 UNC HSS TAPER TAP
5411272	1/2 UNC HSS SECOND TAP
5411273	1/2 UNC HSS BOTT.TAP
5411430	9/16 UNC HSS TAP SET
5411431	9/16 UNC HSS TAPER TAP
5411432	9/16 UNC HSS SECOND TAP
5411433	9/16 UNC HSS BOTT.TAP
5411590	5/8 UNC HSS TAP SET
5411591	5/8 UNC HSS TAPER TAP
5411592	5/8 UNC HSS SECOND TAP
5411593	5/8 UNC HSS BOTT.TAP
5411910	3/4 UNC HSS TAP SET
5411911	3/4 UNC HSS TAPER TAP
5411912	3/4 UNC HSS SECOND TAP
5411913	3/4 UNC HSS BOTT.TAP
5412220	7/8 UNC HSS TAP SET
5412221	7/8 UNC HSS TAPER TAP
5412222	7/8 UNC HSS SECOND TAP
5412223	7/8 UNC HSS BOTT.TAP
5412540	1" UNC HSS TAP SET
5412541	1" UNC HSS TAPER TAP
5412542	1" UNC HSS SECOND TAP
5412543	1" UNC HSS BOTT. TAP



**CUTTING TOOL  
DIVISION**



**CUTTING TOOL  
DIVISION**

**CODE**

5412860  
5412861  
5412862  
5412863  
5413180  
5413181  
5413182  
5413183  
5413810  
5413811  
5413812  
5413813

**HSS TAPS-STRAIGHT FLUTE U**

1 1/8 UNC HSS TAP SET  
1 1/8 UNC HSS TAPER TAP  
1 1/8 UNC HSS SECOND TAP  
1 1/8 UNC HSS BOTT.TAP  
1 1/4 UNC HSS TAP SET  
1 1/4 UNC HSS TAPER TAP  
1 1/4 UNC HSS SECOND TAP  
1 1/4 UNC HSS BOTT.TAP  
1 1/2 UNC HSS TAP SET  
1 1/2 UNC HSS TAPER TAP  
1 1/2 UNC HSS SECOND TAP  
1 1/2 UNC HSS BOTT.TAP



**CODE**

5450350  
5450420  
5450480  
5450640  
5450790  
5450950  
5451110  
5451270  
5451590  
5451910  
5452220  
5452540

**HSS TAPS- GUN NOSE UNC**

UNC No 6 STE ISO SP PT TAP  
UNC No 8 STE ISO SP PT TAP  
UNC No 10 STE ISO SP PT TAP  
UNC 1/4 STE ISO SP PT TAP  
UNC 5/16 STE ISO SP PT TAP  
UNC 3/8 STE ISO SP PT TAP  
UNC 7/16 STE ISO SP PT TAP  
UNC 1/2 STE ISO SP PT TAP  
UNC 5/8 STE ISO SP PT TAP  
UNC 3/4 STE ISO SP PT TAP  
UNC 7/8 STE ISO SP PT TAP  
UNC 1" STE ISO SP PT TAP



**CODE**

5460350  
5460420  
5460480  
5460640  
5460790  
5460950  
5461110  
5461270  
5461590  
5461910  
5462220  
5462540

**HSS TAPS-SPIRAL FLUTE UNC**

UNC No 6 STE ISO SP FL 35 TAP  
UNC No 8 STE ISO SP FL 35 TAP  
UNC No 10 STE ISO SP FL 35 TAP  
UNC 1/4 STE ISO SP FL 35 TAP  
UNC 5/16 STE ISO SP FL 35 TAP  
UNC 3/8 STE ISO SP FL 35 TAP  
UNC 7/16 STE ISO SP FL 35 TAP  
UNC 1/2 STE ISO SP FL 35 TAP  
UNC 5/8 STE ISO SP FL 35 TAP  
UNC 3/4 STE ISO SP FL 35 TAP  
UNC 7/8 STE ISO SP FL 35 TAP  
UNC 1" STE ISO SP FL 35 TAP



**CUTTING TOOL  
DIVISION**

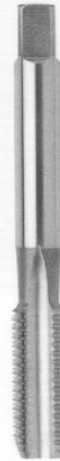


**CUTTING TOOL  
DIVISION**

**CODE**

**HSS TAPS-STRAIGHT FLUTE U**

5510320	NO. 5 UNF HSS TAP SET
5510321	NO. 5 UNF HSS TAPER TAP
5510322	NO. 5 UNF HSS SECOND TAP
5510323	NO. 5 UNF HSS BOTT.TAP
5510350	NO. 6 UNF HSS TAP SET
5510351	NO. 6 UNF HSS TAPER TAP
5510352	NO. 6 UNF HSS SECOND TAP
5510353	NO. 6 UNF HSS BOTT.TAP
5510420	NO. 8 UNF HSS TAP SET
5510421	NO. 8 UNF HSS TAPER TAP
5510422	NO. 8 UNF HSS SECOND TAP
5510423	NO. 8 UNF HSS BOTT.TAP
5510480	NO.10 UNF HSS TAP SET
5510481	NO.10 UNF HSS TAPER TAP
5510482	NO.10 UNF HSS SECOND TAP
5510483	NO.10 UNF HSS BOTT.TAP
5510550	NO.12 UNF HSS TAP SET
5510551	NO.12 UNF HSS TAPER TAP
5510552	NO.12 UNF HSS SECOND TAP
5510553	NO.12 UNF HSS BOTT.TAP
5510640	1/4 UNF HSS TAP SET
5510641	1/4 UNF HSS TAPER TAP
5510642	1/4 UNF HSS SECOND TAP
5510643	1/4 UNF HSS BOTT.TAP
5510790	5/16 UNF HSS TAP SET
5510791	5/16 UNF HSS TAPER TAP
5510792	5/16 UNF HSS SECOND TAP
5510793	5/16 UNF HSS BOTT.TAP
5510950	3/8 UNF HSS TAP SET
5510951	3/8 UNF HSS TAPER TAP
5510952	3/8 UNF HSS SECOND TAP
5510953	3/8 UNF HSS BOTT.TAP
5511110	7/16 UNF HSS TAP SET
5511111	7/16 UNF HSS TAPER TAP
5511112	7/16 UNF HSS SECOND TAP
5511113	7/16 UNF HSS BOTT.TAP
5511270	1/2 UNF HSS TAP SET
5511271	1/2 UNF HSS TAPER TAP
5511272	1/2 UNF HSS SECOND TAP
5511273	1/2 UNF HSS BOTT.TAP
5511430	9/16 UNF HSS TAP SET
5511431	9/16 UNF HSS TAPER TAP
5511432	9/16 UNF HSS SECOND TAP
5511433	9/16 UNF HSS BOTT.TAP
5511590	5/8 UNF HSS TAP SET
5511591	5/8 UNF HSS TAPER TAP
5511592	5/8 UNF HSS SECOND TAP
5511593	5/8 UNF HSS BOTT.TAP
5511910	3/4 UNF HSS TAP SET
5511911	3/4 UNF HSS TAPER TAP
5511912	3/4 UNF HSS SECOND TAP
5511913	3/4 UNF HSS BOTT.TAP
5512220	7/8 UNF HSS TAP SET
5512221	7/8 UNF HSS TAPER TAP
5512222	7/8 UNF HSS SECOND TAP
5512223	7/8 UNF HSS BOTT.TAP
5512540	1"UNF HSS TAP SET
5512541	1" UNF HSS TAPER TAP
5512542	1" UNF HSS SECOND TAP
5512543	1" UNF HSS BOTT. TAP



**CUTTING TOOL  
DIVISION**



**CUTTING TOOL  
DIVISION**

**CODE**

5512860  
5512861  
5512862  
5512863  
5513180  
5513181  
5513182  
5513183  
5513810  
5513811  
5513812  
5513813

**HSS TAPS-STRAIGHT FLUTE U**

1 1/8 UNF HSS TAP SET  
1 1/8 UNF HSS TAPER TAP  
1 1/8 UNF HSS SECOND TAP  
1 1/8 UNF HSS BOTT.TAP  
1 1/4 UNF HSS TAP SET  
1 1/4 UNF HSS TAPER TAP  
1 1/4 UNF HSS SECOND TAP  
1 1/4 UNF HSS BOTT.TAP  
1 1/2 UNF HSS TAP SET  
1 1/2 UNF HSS TAPER TAP  
1 1/2 UNF HSS SECOND TAP  
1 1/2 UNF HSS BOTT.TAP



**CODE**

5550480  
5550640  
5550790  
5550950  
5551110  
5551270  
5551590  
5551910  
5552220  
5552540

**HSS TAPS-GUN NOSE UNF**

UNF No 10 STE ISO SP PT TAP  
UNF 1/4 STE ISO SP PT TAP  
UNF 5/16 STE ISO SP PT TAP  
UNF 3/8 STE ISO SP PT TAP  
UNF 7/16 STE ISO SP PT TAP  
UNF 1/2 STE ISO SP PT TAP  
UNF 5/8 STE ISO SP PT TAP  
UNF 3/4 STE ISO SP PT TAP  
UNF 7/8 STE ISO SP PT TAP  
UNF 1" STE ISO SP PT TAP



**CODE**

5560480  
5560640  
5560790  
5560950  
5561110  
5561270  
5561590  
5561910

**HSS TAPS-SPIRAL FLUTE UNF**

UNF No 10 STE ISO SP FL 35 TAP  
UNF 1/4 STE ISO SP FL 35 TAP  
UNF 5/16 STE ISO SP FL 35 TAP  
UNF 3/8 STE ISO SP FL 35 TAP  
UNF 7/16 STE ISO SP FL 35 TAP  
UNF 1/2 STE ISO SP FL 35 TAP  
UNF 5/8 STE ISO SP FL 35 TAP  
UNF 3/4 STE ISO SP FL 35 TAP

