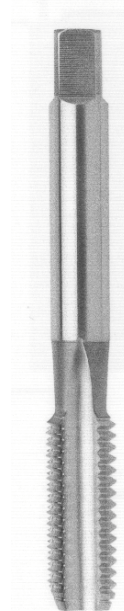
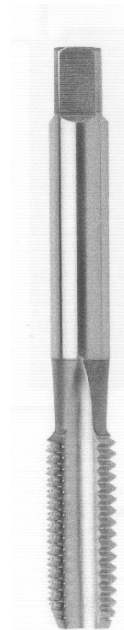




<b>CODE</b>	<b>HSS TAPS-STRAIGHT FLUTE METRIC</b>
5010201	2.0x.4 M.STD HSS TAPER TAP
5010202	2.0x.4 M.STD HSS SECOND TAP
5010203	2.0x.4 M.STD HSS BOTT. TAP
5010251	2.5x.45 M.STD HSS TAPER TAP
5010252	2.5x.45 M.STD HSS SECOND TAP
5010253	2.5x.45 M.STD HSS BOTT. TAP
5010300	3.0X.5 M.STD HSS TAP SET
5010301	3.0X.5 M.STD HSS TAPER TAP
5010302	3.0X.5 M.STD HSS SECOND TAP
5010303	3.0X.5 M.STD HSS BOTT.TAP
5010350	3.5X.60 M.STD HSS TAP SET
5010351	3.5X.6 M.STD HSS TAPER TAP
5010352	3.5X.60 M.STD HSS SECOND TAP
5010353	3.5X.60 MM HSS BOTT.TAPS
5010400	4.0X.70 M.STD HSS TAP SET
5010401	4.0X.7 M.STD HSS TAPER TAP
5010402	4.0X.7 M.STD HSS SECOND TAP
5010403	4.0X.7 M.STD HSS BOTT.TAP
5010450	4.5X.75 M.STD HSS TAP SET
5010451	4.5X.75 M.STD HSS TAPER TAP
5010452	4.5X.75 M.STD HSS SECOND TAP
5010453	4.5X .75 HSS BOTT. TAP
5010500	5.0X.8 M.STD HSS TAP SET
5010501	5.0X.8 M.STD HSS TAPER TAP
5010502	5.0X.8 M.STD HSS SECOND TAP
5010503	5.0X.8 M.STD HSS BOTT.TAP
5010600	6.0X1.0 M.STD HSS TAP SET
5010601	6.0X1.0 M.STD HSS TAPER TAP
5010602	6.0X1.0 M.STD HSS SECOND TAP
5010603	6.0X1.0 M.STD HSS BOTT.TAP
5010700	7.0X1.0 M.STD HSS TAP SET
5010701	7.0X1.0 M.STD HSS TAPER TAP
5010702	7X1.0 M.STD HSS SECOND TAP
5010703	7.0X1.0 M.STD HSS BOTT.TAP
5010800	8.0X1.25 M.STD HSS TAP SET
5010801	8.0X1.25 M.STD HSS TAPER TAP
5010802	8.0X1.25 M.STD HSS SECOND TAP
5010803	8.0X1.25 M.STD HSS BOTT.TAP
5010900	9.0X1.25 M.STD HSS TAP SET
5010901	9.0X1.25 M.STD HSS TAPER TAP
5010902	9.0X1.25 M.STD HSS SECOND TAP
5010903	9.0X1.25 M.STD HSS BOTT.TAP
5011000	10X1.5 M.STD HSS TAP SET
5011001	10X1.5 M.STD HSS TAPER TAP
5011002	10X1.5 M.STD HSS SECOND TAP
5011003	10X1.5 M.STD HSS BOTT.TAP
5011100	11X1.5 M.STD HSS TAP SET
5011101	11X1.5 M.STD HSS TAPER TAP
5011102	11X1.5 M.STD HSS SECOND TAP
5011103	11X1.5 M.STD HSS BOTT.TAP
5011200	12X1.75 M.STD HSS TAP SET
5011201	12X1.75 M.STD HSS TAPER TAP
5011202	12X1.75 M.STD HSS SECOND TAP
5011203	12X1.75 M.STD HSS BOTT.TAP
5011400	14X2 M.STD HSS TAP SET
5011401	14X2.0 M.STD HSS TAPER TAP
5011402	14X2.0 M.STD HSS SECOND TAP
5011403	14X2.0 M.STD HSS BOTT.TAP
5011600	16X2.0 M.STD HSS TAP SET
5011601	16X2.0 M.STD HSS TAPER TAP



**CUTTING TOOL  
DIVISION**

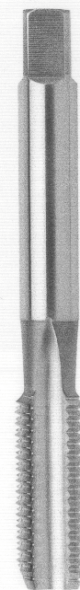
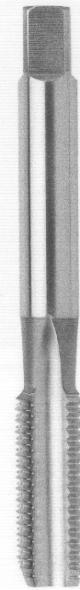


**CUTTING TOOL  
DIVISION**

**CODE**

**HSS TAPS-STRAIGHT FLUTE METRIC**

5011602	16X2.0 M.STD HSS SECOND TAP
5011603	16X2.0 M.STD HSS BOTT.TAP
5011800	18X2.5 M.STD HSS TAP SET
5011801	18X2.5 M.STD HSS TAPER TAP
5011802	18X2.5 M.STD HSS SECOND TAP
5011803	18X2.5 M.STD HSS BOTT.TAP
5012000	20X2.5 M.STD HSS TAP SET
5012001	20X2.5 M.STD HSS TAPER TAP
5012002	20X2.5 M.STD HSS SECOND TAP
5012003	20X2.5 M.STD HSS BOTT.TAP
5012200	22X2.5 M.STD HSS TAP SET
5012201	22X2.5 M.STD HSS TAPER TAP
5012202	22X2.5 M.STD HSS SECOND TAP
5012203	22X2.5 M.STD HSS BOTT TAP
5012400	24X3.0 M.STD HSS TAP SET
5012401	24X3.0 M.STD HSS TAPER TAP
5012402	24X3.0 M.STD HSS SECOND TAP
5012403	24X3.0 M.STD HSS BOTT TAP
5012700	27X3.0 M.STD HSS TAP SET
5012701	27X3.0 M.STD HSS TAPER TAP
5012702	27X3.0 M.STD HSS SECOND TAP
5012703	27X3.0 M.STD HSS BOTT.TAP
5013000	30X3.5 M.STD HSS TAP SET
5013001	30X3.5 M.STD HSS TAPER TAP
5013002	30X3.5 M.STD HSS SECOND TAP
5013003	30X3.5 M.STD HSS BOTT.TAP
5013300	33X3.5 M.STD HSS TAP SET
5013301	33X3.5 M.STD HSS TAPER TAP
5013302	33X3.5 M.STD HSS SECOND TAP
5013303	33X3.5 M.STD HSS BOTT.TAP
5013600	36X4.0 M.STD HSS TAP SET
5013601	36X4.0 M.STD HSS TAPER TAP
5013602	36X4.0 M.STD HSS SECOND TAP
5013603	36X4.0 M.STD HSS BOTT.TAP
5013900	39X4.0 M.STD HSS TAP SET
5013901	39X4.0 M.STD HSS TAPER TAP
5013902	39X4.0 M.STD HSS SECOND TAP
5013903	39X4.0 M.STD HSS BOTT.TAP
5014200	42X4.5 M.STD HSS TAP SET
5014201	42X4.5 M.STD HSS TAPER TAP
5014202	42X4.5 M.STD HSS SECOND TAP
5014203	42X4.5 M.STD HSS BOTT.TAP
5014501	45X4.5 M.STD HSS TAPER TAP
5014502	45X4.5 M.STD HSS SECOND TAP
5014503	45X4.5 M.STD HSS BOTT.TAP
5014801	48X5.0 M.STD HSS TAPER TAP
5014802	48X5.0 M.STD HSS SECOND TAP
5014803	48X5.0 M.STD HSS BOTT.TAP
5015201	52X5.0 M.STD HSS TAPER TAP
5015202	52X5.0 M.STD HSS SECOND TAP
5015203	52X5.0 M.STD HSS BOTT.TAP



**CODE**

5110801  
5110803  
5111001  
5111003  
5111011  
5111013  
5111201  
5111203  
5111211  
5111213  
5111401  
5111403  
5111411  
5111413  
5111601  
5111603  
5111801  
5111803  
5112001  
5112003  
5112201  
5112203  
5112411  
5112413

**HSS TAPS-STRAIGHT FLUTE METRIC FINE**

8X1 M.FINE HSS TAPER TAP  
8X1 M.FINE HSS BOTT. TAP  
10X1 M.FINE HSS TAPER TAP  
10X1 M.FINE HSS BOTT.TAP  
10X1.25 M.FINE HSS TAPER TAP  
10X1.25 M.FINE HSS BOTT. TAP  
12X1.25 M.FINE HSS TAPER TAP  
12X1.25 M.FINE HSS BOTT. TAP  
12X1.5 M.FINE HSS TAPER TAP  
12X1.5 M.FINE HSS BOTT.TAP  
14X1.25 M.FINE HSS TAPER TAP  
14X1.25 M.FINE HSS BOTT.TAP  
14X1.5 M.FINE HSS TAPER TAP  
14X1.5 M.FINE HSS BOTT.TAP  
16X1.5 M.FINE HSS TAPER TAP  
16X1.5 M.FINE HSS BOTT.TAP  
18X1.5 M.FINE HSS TAPER TAP  
18X1.5 M.FINE HSS BOTT.TAP  
20X1.5 M.FINE HSS TAPER TAP  
20X1.5 M.FINE HSS BOTT.TAP  
22X1.5 M.FINE HSS TAPER TAP  
22X1.5 M.FINE HSS BOTT.TAP  
24X2.0 M.FINE HSS TAPER TAP  
24X2.0 M.FINE HSS BOTT.TAP



**CODE**

5080300  
5080350  
5080400  
5080500  
5080600  
5080800  
5081000  
5081200  
5081400  
5081600  
5081800  
5082000  
5082200  
5082400  
5083000

**HSS TAPS- GUN NOSE METRIC**

M3x.5 HSSE-V GUN NOSE TAP  
M3.5X.6 HSSE-V GUN NOSE TAP  
M4X.7 HSSE-V GUN NOSE TAP  
M5X.8 HSSE-V GUN NOSE TAP  
M6X1 HSSE-V GUN NOSE TAP  
M8X1.25 HSSE-V GUN NOSE TAP  
M10X1.5 HSSE-V GUN NOSE TAP  
M12X1.75 HSSE-V GUN NOSE TAP  
M14X2 HSSE-V GUN NOSE TAP  
M16X2 HSSE-V GUN NOSE TAP  
M18X2.5 HSSE-V GUN NOSE TAP  
M20X2.5 HSSE-V GUN NOSE TAP  
M22X2.5 HSSE-V GUN NOSE TAP  
M24X3 HSSE-V GUN NOSE TAP  
M30X3.5 HSSE-V GUN NOSE TAP



**CODE**

5100300  
5100350  
5100400  
5100500  
5100600  
5100800  
5101000  
5101200  
5101400  
5101600  
5101800  
5102000  
5102200  
5102400

**HSS TAPS-SPIRAL FLUTE METRIC**

M 3 x .5 STE ISO SP FL 35 TAP  
M 3.5x .6 STE ISO SP FL 35 TAP  
M 4 x .7 STE ISO SP FL 35 TAP  
M 5 x .8 STE ISO SP FL 35 TAP  
M 6 x1 STE ISO SP FL 35 TAP  
M 8 x1.25 STE ISO SP FL 35 TAP  
M 10 x1.5 STE ISO SP FL 35 TAP  
M 12 x1.75 STE ISO SP FL 35 TAP  
M 14 x2 STE ISO SP FL 35 TAP  
M 16 x2 STE ISO SP FL 35 TAP  
M 18 x2.5 STE ISO SP FL 35 TAP  
M 20 x2.5 STE ISO SP FL 35 TAP  
M 22 x2.5 STE ISO SP FL 35 TAP  
M 24 x3 STE ISO SP FL 35 TAP



**CUTTING TOOL  
DIVISION**



**CUTTING TOOL  
DIVISION**

**CODE**

5120300  
5120400  
5120500  
5120600  
5120800  
5121000  
5121200

**HSS TAPS- FLUTELESS METRIC**

M 3 x .5 STE ISO F/LESS TAP  
M 4 x .7 STE ISO F/LESS TAP  
M 5 x .8 STE ISO F/LESS TAP  
M 6 x1 STE ISO F/LESS TAP  
M 8 x1.25 STE ISO F/LESS TAP  
M 10 x1.5 ISO STE F/LESS TAP  
M 12 x1.75 STE ISO F/LESS TAP

