



# Simran Tools International

664, Military Road, Anand Parbat, New Delhi – 1100 05 (India).

E-mail : simrantools@vsnl.net

E-mail : info@simrantools.com

Website : www.simrantools.com

Mobile : 91-9313811414

Phone : 91-11-32913249

Fax : 91-11-25861340

## Cutting Tools

1. Tools Bits (Square & Round)
2. Cut Off Blades
3. Combined Drills & Counter Sinks (Centre Drills)
4. End Mill Cutters (Single Ended)
5. End Mill Cutters (Double Ended)
6. Hand Taps (Carbon Steel & H.S.S.)
7. Round Dies (Carbon Steel & H.S.S.)
8. Boring Tools (H.S.S.)
9. Countersink & Deburring Tools (Zero Flute)
10. Single Flute Countersinks
11. Three Flute Countersinks
12. Six Flute Countersinks
13. Adjustable Hand Reamers
14. Chucking Reamers (Straight Shank)
15. Morse Taper Finishing Reamer-Straight Flute
16. Taper Pin Reamers
17. Taper Pipe Reamers
18. Repair Man's Taper Reamer

### 1. TOOL BITS ( SQUARE & ROUND )



- Made from High Speed Steel (M2).

ITEM NO.	SQUARE SIZE	LENGTH	ITEM NO.	ROUND SIZE	LENGTH
STB-1841	3/32"	2-1/2"	STB-1891	3/32"	2-1/2"
STB-1842	3/32"	3"	STB-1892	3/32"	3"
STB-1843	1/8"	3"	STB-1893	1/8"	3"
STB-1844	1/8"	4"	STB-1894	1/8"	4"
STB-1845	5/32"	3"	STB-1895	5/32"	3"
STB-1846	5/32"	4"	STB-1896	5/32"	4"
STB-1847	3/16"	3"	STB-1897	3/16"	3"
STB-1848	3/16"	4"	STB-1898	3/16"	4"
STB-1849	3/16"	6"	STB-1899	3/16"	6"
STB-1850	1/4"	2"	STB-1900	1/4"	2"
STB-1851	1/4"	3"	STB-1901	1/4"	3"
STB-1852	1/4"	4"	STB-1902	1/4"	4"
STB-1853	1/4"	6"	STB-1903	1/4"	6"



STB-1854	1/4"	8"	STB-1904	1/4"	8"
STB-1855	5/16"	2"	STB-1905	5/16"	2"
STB-1856	5/16"	3"	STB-1906	5/16"	3"
STB-1857	5/16"	4"	STB-1907	5/16"	4"
STB-1858	5/16"	6"	STB-1908	5/16"	6"
STB-1859	5/16"	8"	STB-1909	5/16"	8"
STB-1860	3/8"	2"	STB-1910	3/8"	2"
STB-1861	3/8"	3"	STB-1911	3/8"	3"
STB-1862	3/8"	4"	STB-1912	3/8"	4"
STB-1863	3/8"	6"	STB-1913	3/8"	6"
STB-1864	3/8"	8"	STB-1914	3/8"	8"
STB-1865	3/8"	10"	STB-1915	3/8"	10"
STB-1866	1/2"	3"	STB-1916	1/2"	3"
STB-1867	1/2"	4"	STB-1917	1/2"	4"
STB-1868	1/2"	6"	STB-1918	1/2"	6"
STB-1869	1/2"	8"	STB-1919	1/2"	8"
STB-1870	1/2"	10"	STB-1920	1/2"	10"
STB-1871	5/8"	4"	STB-1921	5/8"	4"
STB-1872	5/8"	6"	STB-1922	5/8"	6"
STB-1873	5/8"	8"	STB-1923	5/8"	8"
STB-1874	3/4"	4"	STB-1924	3/4"	4"
STB-1875	3/4"	6"	STB-1925	3/4"	6"
STB-1876	3/4"	8"	STB-1926	3/4"	8"
STB-1877	1"	6"	STB-1927	1"	6"
STB-1878	1"	8"	STB-1928	1"	8"
<b>Also available in Odd Lengths and Metric Series</b>					
<b>Also Available In Material H.S.S. M35 (5% Cobalt) , H.S.S. M42 (8% Cobalt) and T42 (10% Cobalt).</b>					

## 2. CUT OFF BLADES



- **Made from High Speed Steel (M2).**

ITEM NO.	SIZE IN INCHES
SCB-1941	1/16 x 5/16 x 3-1/2
SCB-1942	3/32 x 1/2 x 4
SCB-1943	3/32 x 5/8 x 5
SCB-1944	1/8 x 3/4 x 6
SCB-1945	1/8 x 7/8 x 6
SCB-1946	3/16 x 1 x 6
SCB-1947	3/16 x 1-1/8 x 6
<b>Also Available In Material H.S.S. M35 (5% Cobalt).</b>	



### 3. COMBINED DRILLS & COUNTER SINKS (CENTRE DRILL)



- Made from High Speed Steel.
- Used for Producing Center holes in Components or Workpieces which require machining between Centers.
- 60° Countersink Angle fits all Standard Centers.
- Plain Type available in 60°, 82° or 90° Angle, also available with Standard and Long Lengths.

(A) H.S.S. STANDARD TYPE (INCH)			
ITEM NO.	DIAMETER		TOTAL LENGTH
	BODY	PILOT	
SCD-1961	1/8"	3/64"	1-1/4"
SCD-1962	3/16"	5/64"	1-7/8"
SCD-1963	1/4"	7/64"	2"
SCD-1964	5/16"	1/8"	2-1/8"
SCD-1965	3/8"	9/64"	2-1/2"
SCD-1966	7/16"	3/16"	2-3/4"
SCD-1967	1/2"	7/32"	3"
SCD-1968	5/8"	1/4"	3-1/4"
SCD-1969	3/4"	5/16"	3-1/2"
SCD-1970	7/8"	11/32"	3-5/8"
SCD-1971	1"	3/8"	3-3/4"

While Placing Order Please Mention 60°, 82° or 90°

(B) H.S.S. STANDARD TYPE (M.M.)			
ITEM NO.	DIAMETER		TOTAL LENGTH
	BODY	PILOT	
SCD-1981	3.15	1.00	31.5
SCD-1982	3.15	1.25	31.5
SCD-1983	4.00	1.60	35.5
SCD-1984	5.00	2.00	40.0
SCD-1985	6.30	2.50	45.0
SCD-1986	8.00	3.15	50.0
SCD-1987	10.00	4.00	56.0
SCD-1988	12.50	5.00	63.0
SCD-1989	16.00	6.30	71.0
SCD-1990	20.00	8.00	83.0
SCD-1991	25.00	10.00	103.0

While Placing Order Please Mention 60°, 82° or 90°

### 4. END MILL CUTTERS ( SINGLE END )

#### (A) SINGLE END - 2 FLUTES



- End Mill Cutters ( Single End ) made from High Speed Steel (M2).
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.



ITEM NO.	SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH
SEM-2001	1/8"	3/8"	3/8"	2-5/16"
SEM-2002	3/16"	3/8"	7/16"	2-5/16"
SEM-2003	1/4"	3/8"	1/2"	2-5/16"
SEM-2004	5/16"	3/8"	9/16"	2-5/16"
SEM-2005	3/8"	3/8"	9/16"	2-5/16"
SEM-2006	7/16"	3/8"	13/16"	2-1/2"
SEM-2007	1/2"	3/8"	13/16"	2-1/2"
SEM-2008	1/2"	1/2"	1"	3"
SEM-2009	9/16"	1/2"	1-1/8"	3-1/8"
SEM-2010	5/8"	1/2"	1-1/8"	3-1/8"
SEM-2011	5/8"	5/8"	1-5/16"	3-7/16"
SEM-2012	11/16"	1/2"	1-5/16"	3-5/16"
SEM-2013	11/16"	5/8"	1-5/16"	3-7/16"
SEM-2014	3/4"	1/2"	1-5/16"	3-5/16"
SEM-2015	3/4"	5/8"	1-5/16"	3-7/16"
SEM-2016	3/4"	3/4"	1-5/16"	3-9/16"
SEM-2017	13/16"	3/4"	1-1/2"	3-3/4"
SEM-2018	7/8"	5/8"	1-1/2"	3-5/8"
SEM-2019	7/8"	3/4"	1-1/2"	3-3/4"
SEM-2020	7/8"	7/8"	1-1/2"	3-3/4"
SEM-2021	15/16"	3/4"	1-1/2"	3-3/4"
SEM-2022	1"	1/2"	1-1/2"	3-5/8"
SEM-2023	1"	5/8"	1-1/2"	3-5/8"
SEM-2024	1"	3/4"	1-1/2"	3-3/4"
SEM-2025	1"	1"	1-5/8"	4-1/8"
SEM-2026	1-1/16"	3/4"	1-5/8"	3-7/8"
SEM-2027	1-1/8"	3/4"	1-5/8"	3-7/8"
SEM-2028	1-3/16"	3/4"	1-5/8"	3-7/8"
SEM-2029	1-1/4"	3/4"	1-5/8"	3-7/8"
SEM-2030	1-1/4"	1"	1-5/8"	4-1/8"
SEM-2031	1-1/4"	1-1/4"	1-5/8"	4-1/8"
SEM-2032	1-5/16"	3/4"	1-5/8"	3-7/8"
SEM-2033	1-3/8"	3/4"	1-5/8"	4-1/8"
SEM-2034	1-3/8"	1"	1-5/8"	4-1/8"
SEM-2035	1-7/16"	3/4"	1-5/8"	4-1/8"
SEM-2036	1-1/2"	3/4"	1-5/8"	4-1/8"
SEM-2037	1-1/2"	1"	1-5/8"	4-1/8"
SEM-2038	1-1/2"	1-1/4"	1-5/8"	4-1/8"
SEM-2039	1-5/8"	3/4"	1-5/8"	4-1/8"
SEM-2040	1-5/8"	1-1/4"	1-5/8"	4-1/8"
SEM-2041	1-3/4"	3/4"	1-5/8"	4-1/8"
SEM-2042	1-3/4"	1-1/4"	1-5/8"	4-1/8"
SEM-2043	1-7/8"	1-1/4"	1-5/8"	4-1/8"
SEM-2044	2"	3/4"	1-5/8"	4-1/8"
SEM-2045	2"	1-1/4"	1-5/8"	4-1/8"

**Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)**



## (B) SINGLE END - MUTIPLE FLUTES (4, 6 & 8 )



- End Mill Cutters ( Single End ) made from High Speed Steel (M2) .
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.

ITEM NO.	SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	NO. OF FLUTES
SEM-2055	1/8"	3/8"	3/8"	2-5/16"	4
SEM-2056	3/16"	3/8"	1/2"	2-3/8"	4
SEM-2057	1/4"	3/8"	5/8"	2-7/16"	4
SEM-2058	5/16"	3/8"	3/4"	2-1/2"	4
SEM-2059	3/8"	3/8"	3/4"	2-1/2"	4
SEM-2060	7/16"	3/8"	1"	2-11/16"	4
SEM-2061	1/2"	3/8"	1"	2-11/16"	4
SEM-2062	1/2"	1/2"	1-1/4"	3-1/4"	4
SEM-2063	9/16"	1/2"	1-3/8"	3-3/8"	4
SEM-2064	5/8"	1/2"	1-3/8"	3-3/8"	4
SEM-2065	5/8"	5/8"	1-5/8"	3-3/4"	4
SEM-2066	11/16"	1/2"	1-5/8"	3-5/8"	4
SEM-2067	11/16"	5/8"	1-5/8"	3-3/4"	4
SEM-2068	3/4"	1/2"	1-5/8"	3-5/8"	4
SEM-2069	3/4"	5/8"	1-5/8"	3-3/4"	4
SEM-2070	3/4"	3/4"	1-5/8"	3-7/8"	4
SEM-2071	13/16"	3/4"	1-7/8"	4"	4
SEM-2072	7/8"	5/8"	1-7/8"	4"	6
SEM-2073	7/8"	3/4"	1-7/8"	4"	6
SEM-2074	7/8"	7/8"	1-7/8"	4"	6
SEM-2075	15/16"	3/4"	1-7/8"	4"	6
SEM-2076	1"	1/2"	1-7/8"	4"	6
SEM-2077	1"	5/8"	1-7/8"	4"	6
SEM-2078	1"	3/4"	1-7/8"	4-1/8"	6
SEM-2079	1"	3/4"	1-7/8"	4-1/8"	6
SEM-2080	1"	1"	2"	4-1/2"	6
SEM-2081	1-1/16"	3/4"	2"	4-1/4"	6
SEM-2082	1-1/8"	3/4"	2"	4-1/4"	6
SEM-2083	1-3/16"	3/4"	2"	4-1/4"	6
SEM-2084	1-1/4"	3/4"	2"	4-1/4"	6
SEM-2085	1-1/4"	1"	2"	4-1/2"	6
SEM-2086	1-1/4"	1-1/4"	2"	4-1/2"	6
SEM-2087	1-5/16"	3/4"	2"	4-1/2"	6
SEM-2088	1-3/8"	3/4"	2"	4-1/2"	6
SEM-2089	1-3/8"	1"	2"	4-1/2"	6
SEM-2090	1-7/16"	3/4"	2"	4-1/2"	6
SEM-2091	1-1/2"	3/4"	2"	4-1/2"	6
SEM-2092	1-1/2"	1"	2"	4-1/2"	6
SEM-2093	1-1/2"	1-1/4"	2"	4-1/2"	6



SEM-2094	1-5/8"	3/4"	2"	4-1/2"	6
SEM-2095	1-5/8"	1-1/4"	2"	4-1/2"	6
SEM-2096	1-3/4"	3/4"	2"	4-1/2"	6
SEM-2097	1-3/4"	1-1/4"	2"	4-1/2"	6
SEM-2098	1-7/8"	1-1/4"	2"	4-1/2"	6
SEM-2099	2"	3/4"	2"	4-1/2"	8
<b>Also Available In The Material H.S.S M35 (5% Cobalt) &amp; H.S.S. M42 (8% Cobalt)</b>					

## 5. END MILL CUTTERS ( DOUBLE END )

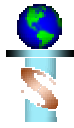
### (A) DOUBLE END 2 FLUTE



- End Mill Cutters ( Double End ) made from High Speed Steel (M2) .
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.

ITEM NO.	SIZE	SHANK DIA	FLUTE LENGTH	OVERALL LENGTH
SMC-2111	1/8"	3/8"	3/8"	3-1/16"
SMC-2112	5/32"	3/8"	7/16"	3-1/8"
SMC-2113	3/16"	3/8"	7/16"	3-1/8"
SMC-2114	7/32"	3/8"	1/2"	3-1/8"
SMC-2115	1/4"	3/8"	1/2"	3-1/8"
SMC-2116	9/32"	3/8"	9/16"	3-1/8"
SMC-2117	5/16"	3/8"	9/16"	3-1/8"
SMC-2118	11/32"	3/8"	9/16"	3-1/8"
SMC-2119	3/8"	3/8"	9/16"	3-1/8"
SMC-2120	13/32"	1/2"	13/16"	3-3/4"
SMC-2121	7/16"	1/2"	13/16"	3-3/4"
SMC-2122	15/32"	1/2"	13/16"	3-3/4"
SMC-2123	1/2"	1/2"	13/16"	3-3/4"
SMC-2124	9/16"	5/8"	1-1/8"	4-1/2"
SMC-2125	5/8"	5/8"	1-1/8"	4-1/2"
SMC-2126	11/16"	3/4"	1-5/16"	5"
SMC-2127	3/4"	3/4"	1-5/16"	5"
SMC-2128	13/16"	7/8"	1-9/16"	5-1/2"
SMC-2129	7/8"	7/8"	1-9/16"	5-1/2"
SMC-2130	15/16"	1"	1-5/8"	5-7/8"
SMC-2131	1"	1"	1-5/8"	5-7/8"

**Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)**



## **(B) DOUBLE END 4 FLUTE**



- End Mill Cutters ( Double End ) made from High Speed Steel (M2) .
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.

ITEM NO.	SIZE	SHANK DIA	FLUTE LENGTH	OVERALL LENGTH
SMC-2141	1/8"	3/8"	3/8"	3-1/16"
SMC-2142	5/32"	3/8"	7/16"	3-1/8"
SMC-2143	3/16"	3/8"	1/2"	3-1/4"
SMC-2144	7/32"	3/8"	9/16"	3-1/4"
SMC-2145	1/4"	3/8"	5/8"	3-3/8"
SMC-2146	9/32"	3/8"	11/16"	3-3/8"
SMC-2147	5/16"	3/8"	3/4"	3-1/2"
SMC-2148	11/32"	3/8"	3/4"	3-1/2"
SMC-2149	3/8"	3/8"	3/4"	3-1/2"
SMC-2150	13/32"	1/2"	1"	4-1/8"
SMC-2151	7/16"	1/2"	1"	4-1/8"
SMC-2152	15/32"	1/2"	1"	4-1/8"
SMC-2153	1/2"	1/2"	1"	4-1/8"
SMC-2154	9/16"	5/8"	1-3/8"	5"
SMC-2155	5/8"	5/8"	1-3/8"	5"
SMC-2156	11/16"	3/4"	1-5/8"	5-5/8"
SMC-2157	3/4"	3/4"	1-5/8"	5-5/8"
SMC-2158	13/16"	7/8"	1-7/8"	6-1/8"
SMC-2159	7/8"	7/8"	1-7/8"	6-1/8"
SMC-2160	15/16"	1"	1-7/8"	6-3/8"
SMC-2161	1"	1"	1-7/8"	6-3/8"

**Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)**

## **6. HAND TAPS ( Carbon Steel & H.S.S.)**



- Available in material Carbon Steel & H.S.S (M2) .
- Precisely Hardened and Tempered for long life.
- All Taps are right hand.



## (A) HAND TAPS (INCHES)

IN CARBON STEEL			IN H.S.S.		
ITEM NO.	SIZE	THREADS PER INCH	ITEM NO.	SIZE	THREADS PER INCH
SHT-2181	1/16"	60 BSW	SHT-2211	1/16"	60 BSW
SHT-2182	1/8"	40 BSW	SHT-2212	1/8"	40 BSW
SHT-2183	5/32"	32 BSW	SHT-2213	5/32"	32 BSW
SHT-2184	3/16"	24 BSW	SHT-2214	3/16"	24 BSW
SHT-2185	1/4"	20 BSW	SHT-2215	1/4"	20 BSW
SHT-2186	5/16"	18 BSW	SHT-2216	5/16"	18 BSW
SHT-2187	3/8"	16 BSW	SHT-2217	3/8"	16 BSW
SHT-2188	7/16"	14 BSW	SHT-2218	7/16"	14 BSW
SHT-2189	1/2"	12 BSW	SHT-2219	1/2"	12 BSW
SHT-2190	5/8"	11 BSW	SHT-2220	5/8"	11 BSW
SHT-2191	3/4"	10 BSW	SHT-2221	3/4"	10 BSW
SHT-2192	7/8"	9 BSW	SHT-2222	7/8"	9 BSW
SHT-2193	1"	8 BSW	SHT-2223	1"	8 BSW
SHT-2194	1-1/8"	7 BSW	SHT-2224	1-1/8"	7 BSW
SHT-2195	1-1/4"	7 BSW	SHT-2225	1-1/4"	7 BSW
SHT-2196	1-3/8"	6 BSW	SHT-2226	1-3/8"	6 BSW
SHT-2197	1-1/2"	6 BSW	SHT-2227	1-1/2"	6 BSW
SHT-2198	1-3/4"	5 BSW	SHT-2228	1-3/4"	5 BSW
SHT-2199	2"	4-1/2 BSW	SHT-2229	2"	4-1/2 BSW

**Also Available In BSF, UNF & UNC Thread.**

## (B) HAND TAPS (METRICS)

IN CARBON STEEL			IN H.S.S.		
ITEM NO.	SIZE	PITCH MM	ITEM NO.	SIZE	PITCH MM
SHT-2241	2 M.M.	.40	SHT-2271	2 M.M.	.40
SHT-2242	3 M.M.	.50	SHT-2272	3 M.M.	.50
SHT-2243	4 M.M.	.70	SHT-2273	4 M.M.	.70
SHT-2244	5 M.M.	.80	SHT-2274	5 M.M.	.80
SHT-2245	6 M.M.	1.00	SHT-2275	6 M.M.	1.00
SHT-2246	7 M.M.	1.00	SHT-2276	7 M.M.	1.00
SHT-2247	8 M.M.	1.25	SHT-2277	8 M.M.	1.25
SHT-2248	9 M.M.	1.25	SHT-2278	9 M.M.	1.25
SHT-2249	10 M.M.	1.50	SHT-2279	10 M.M.	1.50
SHT-2250	11 M.M.	1.50	SHT-2280	11 M.M.	1.50
SHT-2251	12 M.M.	1.75	SHT-2281	12 M.M.	1.75
SHT-2252	14 M.M.	2.00	SHT-2282	14 M.M.	2.00
SHT-2253	16 M.M.	2.00	SHT-2283	16 M.M.	2.00
SHT-2254	18 M.M.	2.50	SHT-2284	18 M.M.	2.50
SHT-2255	20 M.M.	2.50	SHT-2285	20 M.M.	2.50
SHT-2256	22 M.M.	2.50	SHT-2286	22 M.M.	2.50
SHT-2257	24 M.M.	3.00	SHT-2287	24 M.M.	3.00
SHT-2258	25 M.M.	3.00	SHT-2288	25 M.M.	3.00
SHT-2259	27 M.M.	3.00	SHT-2289	27 M.M.	3.00
SHT-2260	30 M.M.	3.50	SHT-2290	30 M.M.	3.50



## 7. ROUND DIES ( Carbon Steel & H.S.S.)



- Available in material Carbon Steel & High Speed Steel (M2) .
- With accurately cut threads.

ITEM NO.	SIZE	O.D. IN INCHES
SRD-2301	1/16, 9 BA, 10 BA, 2mm	13/16"
SRD-2302	3/32 BSW, 6 BA, 7 BA, 8 BA 3mm	13/16"
SRD-2303	1/8, 5/32, 3/16 BSW OBA TO 5 BA, 4mm, 5mm	13/16"
SRD-2304	3/16, 7/32, 1/4, 5/16, 3/8, BSW / BSF / NF / NC, 5mm TO 10mm, 1/8 BSP	1"
SRD-2305	3/16 X 40, 7/32 X 32, 15/64 X 40, 1/4 X 36, 9/32 X 24, 5/16 X 36 3/8 X 32, 5.5 X 0.9, 6 X .75, 8 X 1.0, 9 X 1.0, 10 X 1.0	1"
SRD-2306	3/8 TO 3/4 BSW / BSF / NF / NC, 9mm TO 18mm 1/8 BSP TO 3/8 BSP, 1/2 TO 3/4 CONDUIT	1-1/2"
SRD-2307	5/8 TO 1" BSW / BSF / NF / NC, 16mm TO 24mm 3/8 BSP TO 3/4 BSP 1" CONDUIT	2"
SRD-2308	1" TO 1-1/4" BSW / BSF, 1370 BSCY 25mm TO 30mm S.I.	2-1/4"
SRD-2309	1" TO 1-1/4" BSW / BSF, 1370 BSCY 25mm TO 30mm S.I.	2-1/2"
SRD-2310	1" TO 1-1/2" BSW / BSF 25 mm TO 36 mm S.I.	3"
SRD-2311	BIGGER SIZE	4"
<b>While Placing Order Please Mention Material Carbon Steel or H.S.S. (M2)</b>		

## 8. BORING TOOLS



- Made from High Speed Steel (M2) .
- Available in individual and set of 8 Pcs., 10 Pcs. & 14 Pcs.



ITEM NO.	SHANK DIAMETER (INCH)	MINIMUM BORE (INCH)	BORE DEPTH (INCH)	OVERALL LENGTH (INCH)
SBT-2341	3/8	3/16	9/16	1-13/16
SBT-2342	3/8	3/16	15/16	2-3/16
SBT-2343	3/8	1/4	3/4	2
SBT-2344	3/8	1/4	1-1/4	2-1/2
SBT-2345	3/8	5/16	15/16	2-3/16
SBT-2346	3/8	5/16	1-9/16	2-3/16
SBT-2347	3/8	3/8	1-1/8	2-3/8
SBT-2348	3/8	3/8	1-7/8	3-1/8
SBT-2349	1/2	1/4	3/4	2-1/8
SBT-2350	1/2	1/4	1-1/4	2-5/8
SBT-2351	1/2	5/16	15/16	2-5/16
SBT-2352	1/2	5/16	1-9/16	2-15/16
SBT-2353	1/2	3/8	1-1/8	2-1/2
SBT-2354	1/2	3/8	1-7/8	3-1/4
SBT-2355	1/2	7/16	1-5/16	2-11/16
SBT-2356	1/2	7/16	2-3/16	3-9/16
SBT-2357	1/2	1/2	1-1/2	2-7/8
SBT-2358	1/2	1/2	2-1/2	3-7/8
SBT-2359	5/8	3/8	1-1/8	2-5/8
SBT-2360	5/8	3/8	1-7/8	3-3/8
SBT-2361	5/8	7/16	1-5/16	2-13/16
SBT-2362	5/8	7/16	2-3/16	3-11/16
SBT-2363	5/8	1/2	1-1/2	3
SBT-2364	5/8	1/2	2-1/2	4
SBT-2365	5/8	9/16	1-11/16	3-3/16
SBT-2366	5/8	9/16	2-13/16	4-5/16
SBT-2367	5/8	5/8	1-7/8	3-3/8
SBT-2368	5/8	5/8	3-1/8	4-5/8
SBT-2369	3/4	3/8	1-1/8	2-7/8
SBT-2370	3/4	3/8	1-7/8	3-5/8
SBT-2371	3/4	7/16	1-5/16	3-1/16
SBT-2372	3/4	7/16	2-3/16	3-15/16
SBT-2373	3/4	1/2	1-1/2	3-1/4
SBT-2374	3/4	1/2	2-1/2	4-1/4
SBT-2375	3/4	9/16	1-11/16	3-7/16
SBT-2376	3/4	9/16	2-13/16	4-9/16
SBT-2377	3/4	5/8	1-7/8	3-5/8
SBT-2378	3/4	5/8	3-1/8	4-7/8
SBT-2379	3/4	11/16	2-1/16	3-13/16
SBT-2380	3/4	11/16	3-7/16	5-3/16
SBT-2381	3/4	3/4	2-1/4	4
SBT-2382	3/4	3/4	3-3/4	5-1/2
SBT-2385	<b>8 pcs set of Boring Bars Shank Dia 3/8" in Wooden Block</b>			
SBT-2386	<b>10 pcs set of Boring Bars Shank Dia 1/2" in Wooden Block</b>			
SBT-2387	<b>10 pcs set of Boring Bars Shank Dia 5/8" in Wooden Block</b>			
SBT-2388	<b>14 pcs set of Boring Bars Shank Dia 3/4" in Wooden Block</b>			



## 9. COUNTERSINK & DEBURRING TOOL ( ZERO FLUTE )



- Made from High Speed Steel.
- Available in 82 & 90 degree cuts.

ITEM NO.	CAPACITY (MM)	SHANK DIA. (MM)
SCD-2401	2 to 5	6
SCD-2402	5 to 10	8
SCD-2403	10 to 15	10
SCD-2404	15 to 20	12
SCD-2405	20 to 25	15

While Placing Order Please Mention 82° or 90°

## 10. SINGLE FLUTE COUNTERSINKS



- Made from High Speed Steel.
- Designed for Machine use and light, portable work.
- Ideal for Chamfering, Deburring and Counter Sinking.
- Single Flute construction and low controlled relief provide chatterless operation and smooth surface finish.
- Versatility of this tool should increase productivity on all general-purpose applications.
- Available in 60°, 82° or 90°.

ITEM NO.	SIZE	SHANK DIA	OVERALL LENGTH
SFC-2415	3/16"	3/16"	1-1/2"
SFC-2416	1/4"	1/4"	2"
SFC-2417	5/16"	1/4"	2"
SFC-2418	3/8"	1/4"	2"
SFC-2419	1/2"	1/4"	2"
SFC-2420	5/8"	1/2"	2-1/4"
SFC-2421	3/4"	1/2"	2-3/4"
SFC-2422	7/8"	1/2"	2-3/4"
SFC-2423	1"	1/2"	2-3/4"
SFC-2424	1-1/4"	3/4"	3"
SFC-2425	1-1/2"	3/4"	3-3/8"
SFC-2426	2"	3/4"	3-3/4"

While Placing Order Please Mention 60°, 82° or 90°



## 11. THREE FLUTE COUNTERSINKS



- Made from High Speed Steel.
- Designed for Counter Sinking Holes for Centers or for enlarging existing hole.
- Odd number of Flutes eliminates Chatter in most applications, while providing better accuracy than a Single Flute Countersink.
- Available in 60°, 82° or 90°.

ITEM NO.	SIZE	SHANK DIAMETER	OVERALL LENGTH
STF-2435	1/4"	3/16"	1-1/2"
STF-2436	3/8"	1/4"	1-3/4"
STF-2437	1/2"	3/8"	2"
STF-2438	5/8"	3/8"	2-1/4"
STF-2439	3/4"	1/2"	2-5/8"
STF-2440	1"	1/2"	2-3/4"
STF-2441	1-1/4"	3/4"	3-1/2"
STF-2442	1-1/2"	3/4"	3-1/2"
STF-2443	2"	3/4"	3-3/4"
<b>While Placing Order Please Mention 60°, 82° or 90°</b>			

## 12. SIX FLUTE COUNTERSINKS



- Made from High Speed Steel.
- Designed for Economical, General Purpose Countersinking, Chamfering or Deburring.
- Chip loads are generally smaller and chatter free machining is possible.
- Chatterless countersinks are designed to give you fast shearing cuts.
- Available in 60°, 82° or 90°.

ITEM NO.	SIZE	SHANK DIA	OVERALL LENGTH
SSF-2451	3/16"	3/16"	1-1/2"
SSF-2452	1/4"	1/4"	2"
SSF-2453	5/16"	1/4"	2"
SSF-2454	3/8"	1/4"	2"
SSF-2455	1/2"	1/4"	2"
SSF-2456	5/8"	1/2"	2-3/4"
SSF-2457	3/4"	1/2"	2-3/4"
SSF-2458	7/8"	1/2"	2-3/4"
SSF-2459	1"	1/2"	2-3/4"
SSF-2460	1-1/4"	3/4"	3-3/8"
SSF-2461	1-1/2"	3/4"	3-1/2"
SSF-2462	1-3/4"	1"	4-1/4"
SSF-2463	2"	1"	4-3/8"
<b>While Placing Order Please Mention 60°, 82° or 90°</b>			



### 13. ADJUSTABLE HAND REAMERS



- One Reamer does the work of many.
- Each Reamer can expand from Smallest size to next Larger size.
- Blades made from Carbon Steel & High Speed Steel (M2).

ITEM NO.	SIZE	RANGE
SHR-2475	8/A	1/4" to 9/32"
SHR-2476	7/A	9/32" to 5/16"
SHR-2477	6/A	5/16" to 11/32"
SHR-2478	5/A	11/32" to 3/8"
SHR-2479	4/A	3/8" to 13/32"
SHR-2480	3/A	13/32" to 7/16"
SHR-2481	2/A	7/16" to 15/32"
SHR-2482	A	15/32" to 17/32"
SHR-2483	B	17/32" to 19/32"
SHR-2484	C	19/32" to 21/32"
SHR-2485	D	21/32" to 23/32"
SHR-2486	E	23/32" to 25/32"
SHR-2487	F	25/32" to 27/32"
SHR-2488	G	27/32" to 15/16"
SHR-2489	H	15/16" to 1-1/16"
SHR-2490	I	1-1/16" to 1-3/16"
SHR-2491	J	1-3/16" to 1-11/32"
SHR-2492	K	1-11/32" to 1-1/2"
SHR-2493	L	1-1/2" to 1-13/16"
SHR-2494	M	1-13/16" to 2-7/32"
SHR-2495	N	2-7/32" to 2-3/4"
SHR-2496	O	2-3/4" to 3-11/32"
SHR-2501	Set of 7 Reamers (8/A to 2/A)	
SHR-2502	Set of 8 Reamers (A to H)	
SHR-2503	Set of 11 Reamers (A to K)	
<b>While Placing Order Please Mention The Blades Material In Carbon Steel or H.S.S. (M2)</b>		

### 14. CHUCKING REAMERS ( STRAIGHT SHANK )



- Made from High Speed Steel.
- Design for use in Turret Lathes, Screw Machines, Drill Presses and all type of machine Tool Equipment.
- Ground with a 45° Chamfer, suitable for reaming most materials.
- Available in Straight or Spiral Flute.



<b>SPIRAL FLUTE</b>	<b>STRAIGHT FLUTE</b>	<b>SIZE</b>	<b>DECIMAL EQUIVALENT</b>	<b>FLUTE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>NO. OF FLUTE</b>
<b>ITEM NO.</b>	<b>ITEM NO.</b>					
SCR-2511	SCR-2561	1/8"	.1250"	7/8"	3-1/2"	4
SCR-2512	SCR-2562	9/64"	.1406"	1"	4"	4
SCR-2513	SCR-2563	5/32"	.1562"	1"	4"	4
SCR-2514	SCR-2564	11/64"	.1719"	1-1/8"	4-1/2"	6
SCR-2515	SCR-2565	3/16"	.1875"	1-1/8"	4-1/2"	6
SCR-2516	SCR-2566	13/64"	.2031"	1-1/4"	5"	6
SCR-2517	SCR-2567	7/32"	.2188"	1-1/4"	5"	6
SCR-2518	SCR-2568	15/64"	.2344"	1-1/2"	6"	6
SCR-2519	SCR-2569	1/4"	.2500"	1-1/2"	6"	6
SCR-2520	SCR-2570	17/64"	.2656"	1-1/2"	6"	6
SCR-2521	SCR-2571	9/32"	.2812"	1-1/2"	6"	6
SCR-2522	SCR-2572	19/64"	.2969"	1-1/2"	6"	6
SCR-2523	SCR-2573	5/16"	.3125"	1-1/2"	6"	6
SCR-2524	SCR-2574	21/64"	.3281"	1-1/2"	6"	6
SCR-2525	SCR-2575	11/32"	.3438"	1-1/2"	6"	6
SCR-2526	SCR-2576	23/64"	.3594"	1-3/4"	7"	6
SCR-2527	SCR-2577	3/8"	.3750"	1-3/4"	7"	6
SCR-2528	SCR-2578	25/64"	.3906"	1-3/4"	7"	6
SCR-2529	SCR-2579	13/32"	.4062"	1-3/4"	7"	6
SCR-2530	SCR-2580	27/64"	.4219"	1-3/4"	7"	6
SCR-2531	SCR-2581	7/16"	.4375"	1-3/4"	7"	6
SCR-2532	SCR-2582	29/64"	.4531"	1-3/4"	7"	6
SCR-2533	SCR-2583	15/32"	.4688"	1-3/4"	7"	6
SCR-2534	SCR-2584	31/64"	.4844"	2"	8"	6
SCR-2535	SCR-2585	1/2"	.5000"	2"	8"	6
SCR-2536	SCR-2586	17/32"	.5312"	2"	8"	6
SCR-2537	SCR-2587	9/16"	.5625"	2"	8"	6
SCR-2538	SCR-2588	19/32"	.5938"	2"	8"	6
SCR-2539	SCR-2589	5/8"	.6250"	2-1/4"	9"	8
SCR-2540	SCR-2590	21/32"	.6562"	2-1/4"	9"	8
SCR-2541	SCR-2591	11/16"	.6875"	2-1/4"	9"	8
SCR-2542	SCR-2592	23/32"	.7188"	2-1/4"	9"	8
SCR-2543	SCR-2593	3/4"	.7500"	2-1/2"	9-1/2"	8
SCR-2544	SCR-2594	25/32"	.7812"	2-1/2"	9-1/2"	8
SCR-2545	SCR-2595	13/16"	.8125"	2-1/2"	9-1/2"	8
SCR-2546	SCR-2596	27/32"	.8438"	2-1/2"	9-1/2"	8
SCR-2547	SCR-2597	7/8"	.8750"	2-5/8"	10"	8
SCR-2548	SCR-2598	29/32"	.9062"	2-5/8"	10"	8
SCR-2549	SCR-2599	15/16"	.9375"	2-5/8"	10"	8
SCR-2550	SCR-2600	31/32"	.9688"	2-5/8"	10"	8
SCR-2551	SCR-2601	1"	1.0000"	2-3/4"	10-1/2"	8
SCR-2552	SCR-2602	1-1/16"	1.0625"	2-3/4"	10-1/2"	10
SCR-2553	SCR-2603	1-1/8"	1.1250"	2-7/8"	11"	10
SCR-2554	SCR-2604	1-3/16"	1.1875"	2-7/8"	11"	10
SCR-2555	SCR-2605	1-1/4"	1.2500"	3"	11-1/2"	10
SCR-2556	SCR-2606	1-5/16"	1.3125"	3-1/4"	12"	10
SCR-2557	SCR-2607	1-3/8"	1.3750"	3-1/4"	12"	12
SCR-2558	SCR-2608	1-7/16"	1.4375"	3-1/2"	12-1/2"	12
SCR-2559	SCR-2609	1-1/2"	1.5000"	3-1/2"	12-1/2"	12



## 15. MORSE TAPER FINISHING REAMERS - STRAIGHT FLUTE



- Made from High Speed Steel.
- Used for Finishing.
- Available with Straight Shank or Taper Shank.
- Taper Shank is used for production Machine Reaming of Tapered Holes for Morse Taper Shanks.
- Straight shank is used for finishing or removal of burrs and nicks in machine spindles.
- Square end on Straight shank allows reamer to be held in a Tap Wrench.

HAND TYPE	MACHINE TYPE	DIAMETER OF REAMER			OVERALL LENGTH		
ITEM NO.	ITEM NO.	SIZE	SMALL END	LARGE END	FLUTE LENGTH	HAND TYPE	MACHINE TYPE
SMR-2631	SMR-2641	0MT	.2503"	.3674"	2-1/4"	3-3/4"	5-11/32"
SMR-2632	SMR-2642	1MT	.3674"	.5170"	3"	5"	6-5/16"
SMR-2633	SMR-2643	2MT	.5696"	.7444"	3-1/2"	6"	7-3/8"
SMR-2634	SMR-2644	3MT	.7748"	.9881"	4-1/4"	7-1/4"	8-7/8"
SMR-2635	SMR-2645	4MT	1.0167"	1.2893"	5-1/4"	8-1/2"	10-7/8"
SMR-2636	SMR-2646	5MT	1.4717"	1.8005"	6-1/4"	9-3/4"	13-1/8"

While Placing Order Please Mention Straight Shank or Taper Shank

## 16. TAPER PIN REAMERS



- Made from High Speed Steel.
- Use to Ream holes for Standard Taper Pins.
- 1/4" Taper per foot (1 in 48) .
- Available in Straight and Spiral flutes.
- Straight and Spiral Flute are intended for hand reaming in easy to ream materials.

SPIRAL FLUTE ITEM NO.	STRAIGHT FLUTE ITEM NO.	SIZE	SHANK DIA	DIAMETER		FLUTE LENGTH	OVER ALL LENGTH
				SMALL END	LARGE END		
SPR-2651	SPR-2681	7/0	5/64"	.0497"	.0666"	13/16"	1-13/16"
SPR-2652	SPR-2682	6/0	3/32"	.0611"	.0806"	15/16"	1-15/16"
SPR-2653	SPR-2683	5/0	7/64"	.0719"	.0966"	1-3/16"	2-3/16"
SPR-2654	SPR-2684	4/0	1/8"	.0869"	.1142"	1-5/16"	2-5/16"
SPR-2655	SPR-2685	3/0	9/64"	.1029"	.1302"	1-5/16"	2-5/16"
SPR-2656	SPR-2686	2/0	5/32"	.1137"	.1462"	1-9/16"	2-9/16"
SPR-2657	SPR-2687	0	11/64"	.1287"	.1638"	1-11/16"	2-15/16"
SPR-2658	SPR-2688	1	3/16"	.1447"	.1798"	1-11/16"	2-15/16"
SPR-2659	SPR-2689	2	13/64"	.1605"	.2008"	1-15/16"	3-3/16"
SPR-2660	SPR-2690	3	15/64"	.1813"	.2294"	2-5/16"	3-11/16"
SPR-2661	SPR-2691	4	17/64"	.2071"	.2604"	2-9/16"	4-1/16"
SPR-2662	SPR-2692	5	5/16"	.2409"	.2994"	2-13/16"	4-5/16"
SPR-2663	SPR-2693	6	23/64"	.2773"	.3540"	3-11/16"	5-7/16"
SPR-2664	SPR-2694	7	13/32"	.3297"	.4220"	4-7/16"	6-5/16"



SPR-2665	SPR-2695	8	7/16"	.3971"	.5050"	5-3/16"	7-3/16"
SPR-2666	SPR-2696	9	9/16"	.4805"	.6066"	6-1/16"	8-5/16"
SPR-2667	SPR-2697	10	5/8"	.5799"	.7216"	6-13/16"	9-5/16"
SPR-2668	SPR-2698	11	3/4"	.7060"	.8780"	8-1/4"	11-1/4"
SPR-2669	SPR-2699	12	7/8"	.8420"	1.0500"	10"	13-5/8"
SPR-2670	SPR-2700	13	1-1/4"	1.0090"	1.2590"	12"	16"
SPR-2671	SPR-2701	14	1-1/2"	1.2500"	1.5420"	14"	18-1/4"

## 17. TAPER PIPE REAMERS



- Made from High Speed Steel.
- Designed for reaming holes to be tapped with American Standard Taper Pipe Taps (NPT).
- 3/4" Taper per foot .
- Generally used by Hand.
- Available with Straight or Spiral Flutes and Square shank.

SPIRAL FLUTE ITEM NO.	STRAIGHT FLUTE ITEM NO.	N.P.T. SIZE	FLUTE LENGTH	NOMINAL DIAMETER		
				LARGE END	SMALL END	OVERALL LENGTH
STP-2711	STP-2721	1/8"	3/4"	.362"	.316"	2-1/8"
STP-2712	STP-2722	1/4"	1-1/16"	.472"	.406"	2-7/16"
STP-2713	STP-2723	3/8"	1-1/16"	.606"	.540"	2-9/16"
STP-2714	STP-2724	1/2"	1-3/8"	.751"	.665"	3-1/8"
STP-2715	STP-2725	3/4"	1-3/8"	.962"	.876"	3-1/4"
STP-2716	STP-2726	1"	1-3/4"	1.212"	1.103"	3-3/4"
STP-2717	STP-2727	1-1/4"	1-3/4"	1.553"	1.444"	4"
STP-2718	STP-2728	1-1/2"	1-3/4"	1.793"	1.684"	4-1/4"
STP-2719	STP-2729	2"	1-3/4"	2.268"	2.159"	4-1/2"

### SETS OF TAPER PIPE REAMERS

SPIRAL FLUTE ITEM NO.	STRAIGHT FLUTE ITEM NO.	RANGE	NO. OF PCs
STP-2732	STP-2734	3/8", 1/2", 3/4" and 1"	4
STP-2733	STP-2735	1/4", 3/8", 1/2", 3/4" and 1"	5

## 18. REPAIR MAN'S TAPER REAMERS



- Removes burs from small holes.
- Enlarge and countersinks holes in soft metals.
- Handy tool for Mechanics, Electricians, Plumbers, Machinist and Carpenters.

ITEM NO.	RANGE
SRM-2741	1/8" to 1/2"
SRM-2742	1/8" to 5/8"
SRM-2743	3/16" to 7/8"