Tool Bits - Square



- Made from High Speed Steel (M2).
- Also available in Odd Lengths and Metric Series
- Also Available In Material H.S.S. M35 (5% Cobalt) , H.S.S. M42 (8% Cobalt) and T42 (10% Cobalt).

ITEM NO.	SQUARE SIZE	LENGTH	ITEM NO.	SQUARE SIZE	LENGTH
STB-1841	3/32"	2-1/2"	STB-1860	3/8"	2"
STB-1842	3/32"	3"	STB-1861	3/8"	3"
STB-1843	1/8"	3"	STB-1862	3/8"	4"
STB-1844	1/8"	4"	STB-1863	3/8"	6"
STB-1845	5/32"	3"	STB-1864	3/8"	8"
STB-1846	5/32"	4"	STB-1865	3/8"	10"
STB-1847	3/16"	3"	STB-1866	1/2"	3"
STB-1848	3/16"	4"	STB-1867	1/2"	4"
STB-1849	3/16"	6"	STB-1868	1/2"	6"
STB-1850	1/4"	2"	STB-1869	1/2"	8"
STB-1851	1/4"	3"	STB-1870	1/2"	10"
STB-1852	1/4"	4"	STB-1871	5/8"	4"
STB-1853	1/4"	6"	STB-1872	5/8"	6"
STB-1854	1/4"	8"	STB-1873	5/8"	8"
STB-1855	5/16"	2"	STB-1874	3/4"	4"
STB-1856	5/16"	3"	STB-1875	3/4"	6"
STB-1857	5/16"	4"	STB-1876	3/4"	8"
STB-1858	5/16"	6"	STB-1877	1"	6"
STB-1859	5/16"	8"	STB-1878	1"	8"

Also Available In Material H.S.S. M35 (5% Cobalt), H.S.S. M42 (8% Cobalt) & H.S.S. T42 (10% Cobalt)

Tool Bits - Round



- Made from High Speed Steel (M2).
- Also available in Odd Lengths and Metric Series
- Also Available In Material H.S.S. M35 (5% Cobalt) , H.S.S. M42 (8% Cobalt) and T42 (10% Cobalt).

ITEM NO.	ROUND SIZE	LENGTH	ITEM NO.	ROUND SIZE	LENGTH
STB-1891	3/32"	2-1/2"	STB-1910	3/8"	2"
STB-1892	3/32"	3"	STB-1911	3/8"	3"
STB-1893	1/8"	3"	STB-1912	3/8"	4"
STB-1894	1/8"	4"	STB-1913	3/8"	6"
STB-1895	5/32"	3"	STB-1914	3/8"	8"
STB-1896	5/32"	4"	STB-1915	3/8"	10"
STB-1897	3/16"	3"	STB-1916	1/2"	3"
STB-1898	3/16"	4"	STB-1917	1/2"	4"
STB-1899	3/16"	6"	STB-1918	1/2"	6"
STB-1900	1/4"	2"	STB-1919	1/2"	8"
STB-1901	1/4"	3"	STB-1920	1/2"	10"
STB-1902	1/4"	4"	STB-1921	5/8"	4"
STB-1903	1/4"	6"	STB-1922	5/8"	6"
STB-1904	1/4"	8"	STB-1923	5/8"	8"
STB-1905	5/16"	2"	STB-1924	3/4"	4"
STB-1906	5/16"	3"	STB-1925	3/4"	6"
STB-1907	5/16"	4"	STB-1926	3/4"	8"
STB-1908	5/16"	6"	STB-1927	1"	6"
STB-1909	5/16"	8"	STB-1928	1"	8"

Also Available In Material H.S.S. M35 (5% Cobalt), H.S.S. M42 (8% Cobalt) & H.S.S. T42 (10% Cobalt)

Cut Off Blades



- Made from High Speed Steel (M2).

ITEM NO.	SIZES 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

Also Available In Material H.S.S. M35 (5% Cobalt).

End Mill Cutters - Single Ended (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.
- Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)

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

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

End Mill Cutters - Single Ended (Multiple Flutes)



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

ITEM NO.	SIZE	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	NO. OF FLUTES	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-2078	1"	3/4"	1-7/8"	4-1/8"	6
SEM-2056	3/16"	3/8"	1/2"	2-3/8"	4	SEM-2079	1"	3/4"	1-7/8"	4-1/8"	6
SEM-2057	1/4"	3/8"	5/8”	2-7/16"	4	SEM-2080	1"	1"	2"	4-1/2"	6
SEM-2058	5/16"	3/8"	3/4"	2-1/2"	4	SEM-2081	1-1/16"	3/4"	2"	4-1/4"	6
SEM-2059	3/8"	3/8"	3/4"	2-1/2”	4	SEM-2082	1-1/8"	3/4"	2"	4-1/4"	6
SEM-2060	7/16"	3/8”	1"	2-11/16"	4	SEM-2083	1-3/16"	3/4"	2"	4-1/4"	6
SEM-2061	1/2"	3/8"	1"	2-11/16"	4	SEM-2084	1-1/4"	3/4"	2"	4-1/4"	6
SEM-2062	1/2"	1/2"	1-1/4"	3-1/4"	4	SEM-2085	1-1/4"	1"	2"	4-1/2"	6
SEM-2063	9/16"	1/2"	1-3/8"	3-3/8"	4	SEM-2086	1-1/4"	1-1/4"	2"	4-1/2"	6
SEM-2064	5/8"	1/2"	1-3/8"	3-3/8"	4	SEM-2087	1-5/16"	3/4"	2"	4-1/2"	6
SEM-2065	5/8"	5/8"	1-5/8"	3-3/4"	4	SEM-2088	1-3/8"	3/4"	2"	4-1/2"	6
SEM-2066	11/16"	1/2"	1-5/8"	3-5/8"	4	SEM-2089	1-3/8"	1"	2"	4-1/2"	6
SEM-2067	11/16"	5/8"	1-5/8"	3-3/4"	4	SEM-2090	1-7/16"	3/4"	2"	4-1/2"	6
SEM-2068	3/4"	1/2"	1-5/8"	3-5/8"	4	SEM-2091	1-1/2"	3/4"	2"	4-1/2"	6
SEM-2069	3/4"	5/8"	1-5/8"	3-3/4"	4	SEM-2092	1-1/2"	1"	2"	4-1/2"	6
SEM-2070	3/4"	3/4"	1-5/8"	3-7/8"	4	SEM-2093	1-1/2"	1-1/4"	2"	4-1/2"	6
SEM-2071	13/16"	3/4"	1-7/8"	4"	4	SEM-2094	1-5/8"	3/4"	2"	4-1/2"	6
SEM-2072	7/8"	5/8"	1-7/8"	4"	6	SEM-2095	1-5/8"	1-1/4"	2"	4-1/2"	6
SEM-2073	7/8"	3/4"	1-7/8"	4"	6	SEM-2096	1-3/4"	3/4"	2"	4-1/2"	6
SEM-2074	7/8"	7/8"	1-7/8"	4"	6	SEM-2097	1-3/4"	1-1/4"	2"	4-1/2"	6
SEM-2075	15/16"	3/4"	1-7/8"	4"	6	SEM-2098	1-7/8"	1-1/4"	2"	4-1/2"	6
SEM-2076	1"	1/2"	1-7/8"	4"	6	SEM-2099	2”	3/4”	2”	4-1/2”	8
SEM-2077	1”	5/8”	1-7/8”	4”	6						

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

End Mill Cutters - Double End (2 Flutes)



- End Mill Cutters (Double End) made from High Speed Steel (M2)
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.
- Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)

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)				

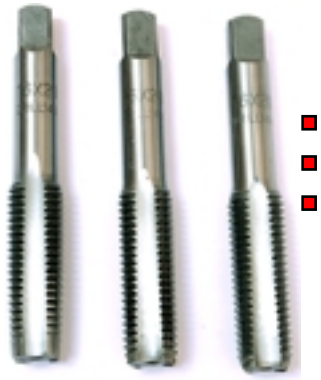
End Mill Cutters - Double End (4 Flutes)



- End Mill Cutters (Double End) made from High Speed Steel (M2)
- With Centre cutting and Without Centre cutting.
- Also available in M. M. Sizes.
- Also Available In The Material H.S.S M35 (5% Cobalt) & H.S.S. M42 (8% Cobalt)

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)				

Hand Taps - (Size in Inch)



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

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					

Hand Taps - (Size in Metric)



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

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

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"
While Placing Order Please Mention Material Carbon Steel or H.S.S. (M2)		

Centre Drills (Combined Drills & Countersinks)

- 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 (MM)			
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°			

Countersinks - Single Flute



- 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°			

Countersinks - Three Flutes



- 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 DIA.	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"
While Placing Order Please Mention 60°, 82° or 90°			

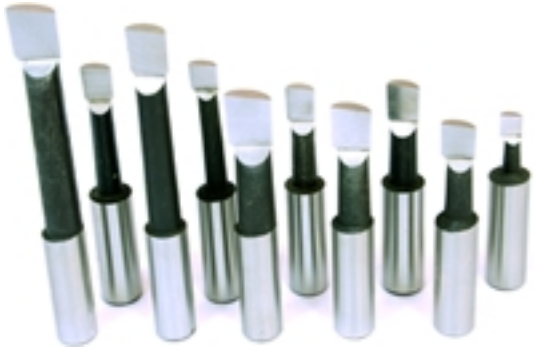
Countersinks - Six Flutes



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

Boring Tools



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

ITEM NO.	SHANK DIA. (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

ITEM NO.	SHANK DIA. (INCH)	MINIMUM BORE (INCH)	BORE DEPTH (INCH)	OVERALL LENGTH (INCH)
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	8 Pcs Set of Boring Bars Shank Dia 3/8" in Wooden Block			
SBT–2386	10 Pcs Set of Boring Bars Shank Dia 1/2" in Wooden Block			
SBT–2387	10 Pcs Set of Boring Bars Shank Dia 5/8" in Wooden Block			
SBT–2388	14 Pcs Set of Boring Bars Shank Dia 3/4" in Wooden Block			

Boring, Facing Tool & Internal Threading Tool Sets



- Made of high speed steel for increased production, finer and smoother cuts.
- A holder is provided to hold the tools.
- The set consists of 3 Pcs. boring and facing tools and 2 Pcs. of threading tools.
- For exacting performance of the cutting tool best used with good quality of cutting oils.

Boring Threading Tool - Set of 6 Pcs.

ITEM NO.	SIZE OF SHANKS (MM)
SBF-2389A	6 x 95
SBF-2389B	6 x 140
SBF-2389C	8 x 140
SBF-2389D	10 x 140
SBF-2389E	12 x 140

Boring and Threading Tool - Set of 6 Pcs.



- Length 95mm, consisting of 55° and 60° threading tools, boring tools for rough, medium and fine boring and a square tool holder to hold the round tools.
- Length 140mm, consisting of 55° and 60° threading tools, a boring tool and a square holder to hold the round tools.
- Made of High Speed Steel (M2)

BORING TOOL		
ITEM NO.	SIZES (MM)	
	DIA.	LENGTH
SBS-2390A	6	95
SBS-2390B	6	95
SBS-2390C	6	95
SBS-2390D	6	140
SBS-2390E	8	140
SBS-2390F	10	140
SBS-2390G	12	140

INTERNAL THREADING TOOL 55^{0}		
ITEM NO.	SIZES (MM)	
	DIA.	LENGTH
SBS-2390P	6	95
SBS-2390Q	6	140
SBS-2390R	8	140
SBS-2390S	10	140
SBS-2390T	12	140

INTERNAL THREADING TOOL 60^{0}		
ITEM NO.	SIZES (MM)	
	DIA.	LENGTH
SBS-2390J	6	95
SBS-2390K	6	140
SBS-2390L	8	140
SBS-2390M	10	140
SBS-2390N	12	140

Forming Tools for Lathe

- High Speed Tool Bit (M2) / 5% Cobalt (M35) Tool Bit.
- Made of selected M2 & M35 Steel form Tool Bits for a better performance.
- We offer a range of form Tool Bits Separately and as well in sets.

Forming Tools for Lathe - LH Turning Tool



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2392A	SFT-2392M	3.5	3.5	63
SFT-2392B	SFT-2392N	5	5	63
SFT-2392C	SFT-2392O	6	6	63
SFT-2392D	SFT-2392P	8	8	80
SFT-2392E	SFT-2392Q	8	10	80
SFT-2392F	SFT-2392R	8	12	80
SFT-2392G	SFT-2392S	10	10	80
SFT-2392H	SFT-2392T	12	12	100

Forming Tools for Lathe - RH Turning Tool



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2393A	SFT-2393M	3.5	3.5	63
SFT-2393B	SFT-2393N	5	5	63
SFT-2393C	SFT-2393O	6	6	63
SFT-2393D	SFT-2393P	8	8	80
SFT-2393E	SFT-2393Q	8	10	80
SFT-2393F	SFT-2393R	8	12	80
SFT-2393G	SFT-2393S	10	10	80
SFT-2393H	SFT-2393T	12	12	100

Forming Tools for Lathe - Straight Finishing 60^0 / 55^0



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2394A	SFT-2394M	3.5	3.5	63
SFT-2394B	SFT-2394N	5	5	63
SFT-2394C	SFT-2394O	6	6	63
SFT-2394D	SFT-2394P	8	8	80
SFT-2394E	SFT-2394Q	8	10	80
SFT-2394F	SFT-2394R	8	12	80
SFT-2394G	SFT-2394S	10	10	80
SFT-2394H	SFT-2394T	12	12	100

Forming Tools for Lathe - Corner Tool



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2395A	SFT-2395M	3.5	3.5	63
SFT-2395B	SFT-2395N	5	5	63
SFT-2395C	SFT-2395O	6	6	63
SFT-2395D	SFT-2395P	8	8	80
SFT-2395E	SFT-2395Q	8	10	80
SFT-2395F	SFT-2395R	8	12	80
SFT-2395G	SFT-2395S	10	10	80
SFT-2395H	SFT-2395T	12	12	100

Forming Tools for Lathe - Parting Tool



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2396A	SFT-2396M	3.5	3.5	63
SFT-2396B	SFT-2396N	5	5	63
SFT-2396C	SFT-2396O	6	6	63
SFT-2396D	SFT-2396P	8	8	80
SFT-2396E	SFT-2396Q	8	10	80
SFT-2396F	SFT-2396R	8	12	80
SFT-2396G	SFT-2396S	10	10	80
SFT-2396H	SFT-2396T	12	12	100

Forming Tools for Lathe

- High Speed Tool Bit (M2) / 5% Cobalt (M35) Tool Bit.
- Made of selected M2 & M35 Steel form Tool Bits for a better performance.
- We offer a range of form Tool Bits Separately and as well in sets.



Forming Tools for Lathe - Boring Tool

ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2397A	SFT-2397M	3.5	3.5	63
SFT-2397B	SFT-2397N	5	5	63
SFT-2397C	SFT-2397O	6	6	63
SFT-2397D	SFT-2397P	8	8	80
SFT-2397E	SFT-2397Q	8	10	80
SFT-2397F	SFT-2397R	8	12	80
SFT-2397G	SFT-2397S	10	10	80
SFT-2397H	SFT-2397T	12	12	100



Forming Tools for Lathe - Threading 60^0 / 55^0

ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2398A	SFT-2398M	3.5	3.5	63
SFT-2398B	SFT-2398N	5	5	63
SFT-2398C	SFT-2398O	6	6	63
SFT-2398D	SFT-2398P	8	8	80
SFT-2398E	SFT-2398Q	8	10	80
SFT-2398F	SFT-2398R	8	12	80
SFT-2398G	SFT-2398S	10	10	80
SFT-2398H	SFT-2398T	12	12	100

Forming Tools for Lathe - Internal Threading 60^0 / 55^0



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2399A	SFT-2399M	3.5	3.5	63
SFT-2399B	SFT-2399N	5	5	63
SFT-2399C	SFT-2399O	6	6	63
SFT-2399D	SFT-2399P	8	8	80
SFT-2399E	SFT-2399Q	8	10	80
SFT-2399F	SFT-2399R	8	12	80
SFT-2399G	SFT-2399S	10	10	80
SFT-2399H	SFT-2399T	12	12	100

Forming Tools for Lathe - Set of 8 Pcs.



ITEM NO.		SIZES (MM)		
MATERIAL H.S.S.	MATERIAL 5% COBALT	WIDTH	BREATH	LENGTH
SFT-2400A	SFT-2400M	3.5	3.5	63
SFT-2400B	SFT-2400N	5	5	63
SFT-2400C	SFT-2400O	6	6	63
SFT-2400D	SFT-2400P	8	8	80
SFT-2400E	SFT-2400Q	10	10	80
SFT-2400F	SFT-2400R	12	12	100

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)	
While Placing Order Please Mention the Blades Material in Carbon Steel or H.S.S. (M2)		

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							

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.

SPIRAL FLUTE ITEM NO	STRAIGHT FLUTE ITEM NO.	SIZE	DECIMAL EQUIVALENT	FLUTE LENGTH	OVERALL LENGTH	NO. OF FLUTE
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

SPIRAL FLUTE ITEM NO	STRAIGHT FLUTE ITEM NO.	SIZE	DECIMAL EQUIVALENT	FLUTE LENGTH	OVERALL LENGTH	NO. OF FLUTE
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

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	STRAIGHT FLUTE	SIZE	SHANK DIA.	DIAMETER		FLUTE LENGTH	OVERALL LENGTH
ITEM NO.	ITEM NO.			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"

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	STRAIGHT FLUTE	N.P.T. SIZE	FLUTE LENGTH	NORMAL DIAMETER		
ITEM NO.	ITEM NO.			SMALL END	LARGE 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"

Taper Pipe Reamers - Sets

SPIRAL FLUTE	STRAIGHT FLUTE	RANGE	NO. OF PCS.
ITEM NO.	ITEM NO.		
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

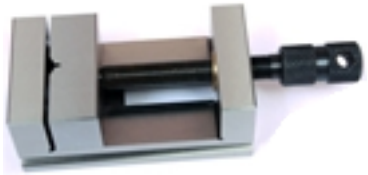
Repair's Man Taper Reamer



- 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"

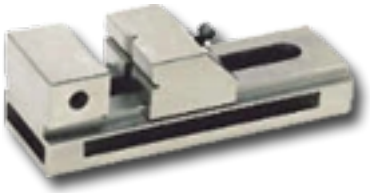
Toolmaker's Precision Steel Vice



- Made from Hardened Alloy Steel.
- Single Piece construction with V-Grooved Jaws.
- All surface including Jaws and base are Precise Ground Square and Parallel.
- Clamping slots at the bottom easily affix to angle plates, etc.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
STV-2801	2-3/8	65	2-3/8	65	15/16	23	2-3/16	55
STV-2802	3	70	3	70	1-9/16	40	3	75

Precision Grinding Vice

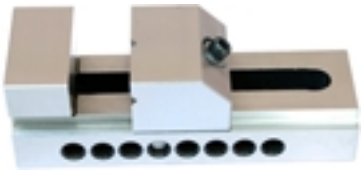


- Body and Jaw of solid all steel Construction and Case Hardened.
- Slotted sides provide multitude of clamping possibilities.
- Locking Screw provided at the Vice base for adjustable positions of the Moveable Jaw.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
SPV-2809	2	50	2	50	1	25	3	75
SPV-2810	2-7/8	73	2-7/8	73	1-3/8	35	3-1/2	90

Toolmaker's Precision Screw Less Vice

- Hardened and Precision Ground Steel Vice.
- Positive download and rapid positioning notches for free Jaw movement.
- Threaded hole on both sides of stationary Jaw.
- Horizontal and vertical V in Moveable Jaw.



ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
SSV-2814	2	50	2	50	1-1/16	30	3-1/8	80
SSV-2815	3	75	3	75	1-3/8	35	3-3/4	95

2 Pcs. Milling Machine Vice



- Body made of High Quality Casting.
- Hardened and Ground Jaw Plates.
- Designed to handle extra long workpiece, thus utilizing full length of machine bed.
- Work locates directly on bed for extra rigidity.
- Quarter turn of detachable handle clamps work firm enough for heaviest cuts.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		WIDTH OF VICE 'B'		KEY SLOT WIDTH		CLAMP TRAVEL	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
SMV-2821	6	150	6	150	3	75	7-3/32	180	11/16	18	3/8	10
SMV-2822	8	200	8	200	3-1/4	82	9-1/2	240	13/16	20	5/8	15