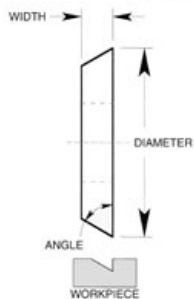


Niagara Cutter

HSS Milling Cutter



Right-Hand Single-Angle

“FR” Style

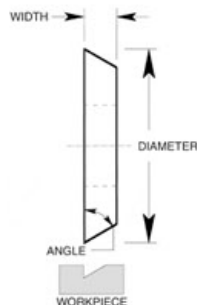
- Available in 45° and 60°
- With cutting teeth on large diameter side

Price Code D

TiN
Recommended

Diameter	Width	Arbor Hole	Catalog Number	Incl. Angle	# T	Uncoated		TiN		TiCN	TiCN	TiAIN	TiAIN
						EDP	List	EDP	List				
2 3/4	1/2	1	F45-21R	45	20	12700	\$63.70	12701	\$69.40	81573	\$71.30	81593	\$71.30
2 3/4	1/2	1	F60-21R	60	20	12720	\$63.70	12721	\$69.40	81574	\$71.30	81594	\$71.30
3	1/2	1 1/4	F45-32R	45	20	12740	\$75.50	12741	\$85.40	81575	\$88.90	81595	\$88.90
3	1/2	1 1/4	F60-32R	60	20	12760	\$75.50	12761	\$85.40	81576	\$88.90	81596	\$88.90
4	1/2	1 1/4	F45-42R	45	20	12780	\$133.80	12781	\$147.20	81577	\$151.90	81597	\$151.90
4	1/2	1 1/4	F60-42R	60	20	12800	\$133.80	12801	\$147.20	81578	\$151.90	81598	\$151.90
4	3/4	1 1/4	F45-43R	45	20	12820	\$145.80	12821	\$162.30	81579	\$168.10	81599	\$168.10
4	3/4	1 1/4	F60-43R	60	20	12840	\$145.80	12841	\$162.30	81580	\$168.10	81600	\$168.10
4	1	1 1/4	F45-44R	45	20	12860	\$180.10	12861	\$199.70	81581	\$206.50	81601	\$206.50
4	1	1 1/4	F60-44R	60	20	12880	\$180.10	12881	\$199.70	81582	\$206.50	81602	\$206.50
5	3/4	1 1/4	F45-53R	45	24	12900	\$203.50	12901	\$224.10	81583	\$231.30	81603	\$231.30
5	3/4	1 1/4	F60-53R	60	24	12920	\$203.50	12921	\$224.10	81584	\$231.30	81604	\$231.30
5	1	1 1/4	F45-54R	45	24	12940	\$247.00	12941	\$271.40	81585	\$279.90	81605	\$279.90
5	1	1 1/4	F60-54R	60	24	12960	\$247.00	12961	\$271.40	81586	\$279.90	81606	\$279.90
6	3/4	1 1/4	F45-63R	45	28	12980	\$273.60	12981	\$298.50	81587	\$307.20	81607	\$307.20
6	3/4	1 1/4	F60-63R	60	28	13000	\$273.60	13001	\$298.50	81588	\$307.20	81608	\$307.20
6	1	1 1/4	F45-64R	45	28	13020	\$306.80	13021	\$336.20	81589	\$346.50	81609	\$346.50
6	1	1 1/4	F60-64R	60	28	13040	\$306.80	13041	\$336.20	81590	\$346.50	81610	\$346.50
6	1 1/4	1 1/4	F45-65R	45	28	13060	\$393.70	13061	\$425.40	81591	\$436.50	81611	\$436.50
6	1 1/4	1 1/4	F60-65R	60	28	13080	\$393.70	13081	\$425.40	81592	\$436.50	81612	\$436.50

HSS Milling Cutter



Left-Hand Single-Angle

“FL” Style

- Available in 45° and 60°
- With cutting teeth on large diameter side

Price Code D

TiN
Recommended

Diameter	Width	Arbor Hole	Catalog Number	Incl. Angle	# T	Uncoated		TiN		TiCN	TiCN	TiAIN	TiAIN
						EDP	List	EDP	List				
2 3/4	1/2	1	F45-21L	45	20	12710	\$63.70	12711	\$69.40	81614	\$71.30	81634	\$71.30
2 3/4	1/2	1	F60-21L	60	20	12730	\$63.70	12731	\$69.40	81615	\$71.30	81635	\$71.30
3	1/2	1 1/4	F45-32L	45	20	12750	\$75.50	12751	\$85.40	81616	\$88.90	81636	\$88.90
3	1/2	1 1/4	F60-32L	60	20	12770	\$75.50	12771	\$85.40	81617	\$88.90	81637	\$88.90
4	1/2	1 1/4	F45-42L	45	20	12790	\$133.80	12791	\$147.20	81618	\$151.90	81638	\$151.90
4	1/2	1 1/4	F60-42L	60	20	12810	\$133.80	12811	\$147.20	81619	\$151.90	81639	\$151.90
4	3/4	1 1/4	F45-43L	45	20	12830	\$145.80	12831	\$162.30	81620	\$168.10	81640	\$168.10
4	3/4	1 1/4	F60-43L	60	20	12850	\$145.80	12851	\$162.30	81621	\$168.10	81641	\$168.10
4	1	1 1/4	F45-44L	45	20	12870	\$180.10	12871	\$199.70	81622	\$206.50	81642	\$206.50
4	1	1 1/4	F60-44L	60	20	12890	\$180.10	12891	\$199.70	81623	\$206.50	81643	\$206.50
5	3/4	1 1/4	F45-53L	45	24	12910	\$203.50	12911	\$224.10	81624	\$231.30	81644	\$231.30
5	3/4	1 1/4	F60-53L	60	24	12930	\$203.50	12931	\$224.10	81625	\$231.30	81645	\$231.30
5	1	1 1/4	F45-54L	45	24	12950	\$247.00	12951	\$271.40	81626	\$279.90	81646	\$279.90
5	1	1 1/4	F60-54L	60	24	12970	\$247.00	12971	\$271.40	81627	\$279.90	81647	\$279.90
6	3/4	1 1/4	F45-63L	45	28	12990	\$273.60	12991	\$298.50	81628	\$307.20	81648	\$307.20
6	3/4	1 1/4	F60-63L	60	28	13010	\$273.60	13011	\$298.50	81629	\$307.20	81649	\$307.20
6	1	1 1/4	F45-64L	45	28	13030	\$306.80	13031	\$336.20	81630	\$346.50	81650	\$346.50
6	1	1 1/4	F60-64L	60	28	13050	\$306.80	13051	\$336.20	81631	\$346.50	81651	\$346.50
6	1 1/4	1 1/4	F45-65L	45	28	13070	\$393.70	13071	\$425.40	81632	\$436.50	81652	\$436.50
6	1 1/4	1 1/4	F60-65L	60	28	13090	\$393.70	13091	\$425.40	81633	\$436.50	81653	\$436.50