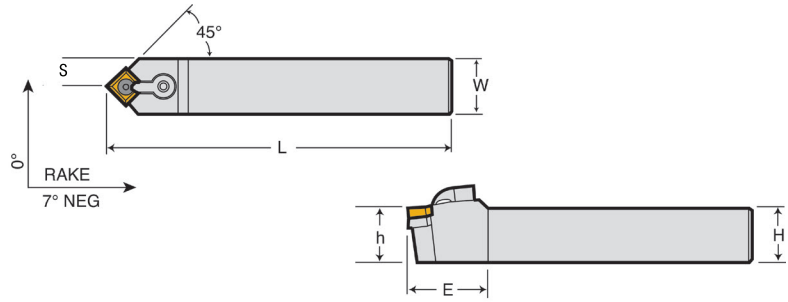
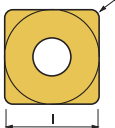








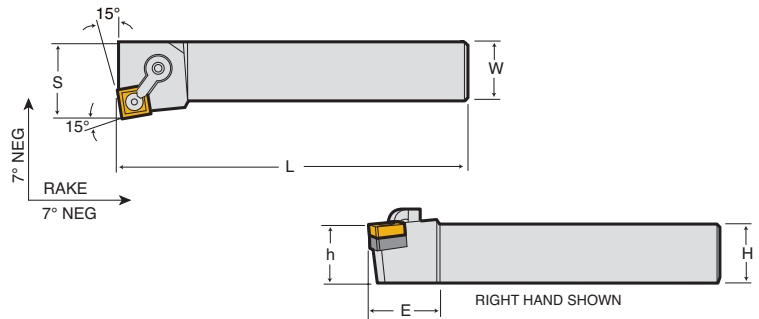
MSDNN

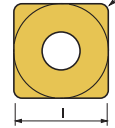






Ref	Holder Style		Application							Inserts	Parts			
Comment	D Style, Approach Angle 45°		Turning, Copying											
MSDNN	Code #	Price \$	H	W	L	S	h	E	Clamp					
12-4B	145860	55.18	0.750	0.750	4.500	0.375	0.750	1.375	SN□□43□	CL-20 146918 \$ 7.35	XNS-48 146922 \$ 1.66	ISSN-432 146903 \$ 7.93	NL-46 146912 \$ 3.63	
16-4D	145799	159.51	1.000	1.000	6.000	0.500	1.000	1.375		CL-9 146916 \$ 7.35	XNS-59 146921 \$ 1.75	ISSN-432 146903 \$ 7.93	NL-46 146912 \$ 3.63	
85-4D	145759	196.13	1.250	1.000	6.000	0.500	1.000	1.375		CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-533 146904 \$ 8.98	NL-58 146913 \$ 4.13	
20-5E	147227	130.10	1.250	1.250	7.000	0.625	1.250	1.610	SN□□54□	CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-533 146904 \$ 8.98	NL-58 146913 \$ 4.13	
85-5D	145763	130.10	1.250	1.000	6.000	0.500	1.250	1.610		CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-633 146905 \$ 11.78	NL-68 146914 \$ 4.62	
20-6D	145866	196.13	1.250	1.250	6.000	0.625	1.250	1.750	SN□□64□	CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-633 146905 \$ 11.78	NL-68 146914 \$ 4.62	
24-6E	147404	148.36	1.500	1.500	7.000	0.750	1.500	1.750		CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-633 146905 \$ 11.78	NL-68 146914 \$ 4.62	

➤ P. E19-22, E38, E40

MSKNR/L



Ref	Holder Style		Application							Inserts	Parts				
Comment	K Style, Approach Angle 75°		Facing												
MSKNR/L	Code #		Code #		H	W	L	S	h						E
16-4D	145849	163.38	145850	163.38	1.000	1.000	6.000	1.250	1.000	1.250	SN□□43□	CL-9 146916 \$ 7.02	XNS-59 146921 \$ 1.75	ISSN-432 146903 \$ 7.93	NL-46 146912 \$ 3.63
20-6D	145853	196.13			1.250	1.250	6.000	1.500	1.250	1.560		CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-633 146905 \$ 11.78	NL-68 146914 \$ 4.62
24-6E	145855	230.79			1.500	1.500	7.000	2.000	1.500	1.560	SN□□64□	CL-12 146917 \$ 7.35	XNS-510 146920 \$ 1.75	ISSN-633 146905 \$ 11.78	NL-68 146914 \$ 4.62

➤ P. E19-22, E38, E40