



WOLFRAM TOOL

FLUTES

see 1st part of ANSI Part #

R2=2 Flute

R3=3 Flute

R4=4 Flute

R5= 5 Flute

R6= 6 Flute

5 PC. MIMIMUM DEPENDING ON SIZE



ANSI PART # & COATING & Radius	EDP	MillDia	ShankDia	Flute Length	Overall Length
2 & 4 Flute Single End Corner Radius					
R2F01250-R015	15300	1/8	1/8	1/2	1-1/2
R2F01250-R015 TiN	25300	1/8	1/8	1/2	1-1/2
R2F01250-R015 TiCN	45300	1/8	1/8	1/2	1-1/2
R2F01250-R015 AlTiN	55300	1/8	1/8	1/2	1-1/2
R2F01875-R015	11883	3/16	3/16	5/8	2
R2F01875-R015 TiN	21883	3/16	3/16	5/8	2
R2F01875-R015 TiCN	41883	3/16	3/16	5/8	2
R2F01875-R015 AlTiN	51883	3/16	3/16	5/8	2
R2F01875-R020	15302	3/16	3/16	5/8	2
R2F01875-R020 TiN	25302	3/16	3/16	5/8	2
R2F01875-R020 TiCN	45302	3/16	3/16	5/8	2
R2F01875-R020 AlTiN	55302	3/16	3/16	5/8	2
R2F01875-R030	15304	3/16	3/16	5/8	2
R2F01875-R030 TiN	25304	3/16	3/16	5/8	2
R2F01875-R030 TiCN	45304	3/16	3/16	5/8	2
R2F01875-R030 AlTiN	55304	3/16	3/16	5/8	2
R2F02500-R015	16322	1/4	1/4	3/4	2-1/2
R2F02500-R015 TiN	26322	1/4	1/4	3/4	2-1/2
R2F02500-R015 TiCN	46322	1/4	1/4	3/4	2-1/2
R2F02500-R015 AlTiN	56322	1/4	1/4	3/4	2-1/2
R2F02500-R020	15306	1/4	1/4	3/4	2-1/2
R2F02500-R020 TiN	25306	1/4	1/4	3/4	2-1/2
R2F02500-R020 TiCN	45306	1/4	1/4	3/4	2-1/2
R2F02500-R020 AlTiN	55306	1/4	1/4	3/4	2-1/2
R2F02500-R030	15308	1/4	1/4	3/4	2-1/2
R2F02500-R030 TiN	25308	1/4	1/4	3/4	2-1/2
R2F02500-R030 TiCN	45308	1/4	1/4	3/4	2-1/2
R2F02500-R030 AlTiN	55308	1/4	1/4	3/4	2-1/2
R2F02500-R045	15310	1/4	1/4	3/4	2-1/2
R2F02500-R045 TiN	25310	1/4	1/4	3/4	2-1/2
R2F02500-R045 TiCN	45310	1/4	1/4	3/4	2-1/2
R2F02500-R045 AlTiN	55310	1/4	1/4	3/4	2-1/2
R2F03125-R020	15312	5/16	5/16	13/16	2-1/2
R2F03125-R020 TiN	25312	5/16	5/16	13/16	2-1/2
R2F03125-R020 TiCN	45312	5/16	5/16	13/16	2-1/2

R2F03125-R020 AlTiN	55312	5/16	5/16	13/16	2-1/2
R2F03125-R030	15314	5/16	5/16	13/16	2-1/2
R2F03125-R030 TiN	25314	5/16	5/16	13/16	2-1/2
R2F03125-R030 TiCN	45314	5/16	5/16	13/16	2-1/2
R2F03125-R030 AlTiN	55314	5/16	5/16	13/16	2-1/2
R2F03125-R045	15316	5/16	5/16	13/16	2-1/2
R2F03125-R045 TiN	25316	5/16	5/16	13/16	2-1/2
R2F03125-R045 TiCN	45316	5/16	5/16	13/16	2-1/2
R2F03125-R045 AlTiN	55316	5/16	5/16	13/16	2-1/2
R2F03750-R020	15318	3/8	3/8	1	2-1/2
R2F03750-R020 TiN	25318	3/8	3/8	1	2-1/2
R2F03750-R020 TiCN	45318	3/8	3/8	1	2-1/2
R2F03750-R020 AlTiN	55318	3/8	3/8	1	2-1/2
R2F03750-R030	15320	3/8	3/8	1	2-1/2
R2F03750-R030 TiN	25320	3/8	3/8	1	2-1/2
R2F03750-R030 TiCN	45320	3/8	3/8	1	2-1/2
R2F03750-R030 AlTiN	55320	3/8	3/8	1	2-1/2
R2F03750-R045	15322	3/8	3/8	1	2-1/2
R2F03750-R045 TiN	25322	3/8	3/8	1	2-1/2
R2F03750-R045 TiCN	45322	3/8	3/8	1	2-1/2
R2F03750-R045 AlTiN	55322	3/8	3/8	1	2-1/2
R2F05000-R020	15324	1/2	1/2	1	3
R2F05000-R020 TiN	25324	1/2	1/2	1	3
R2F05000-R020 TiCN	45324	1/2	1/2	1	3
R2F05000-R020 AlTiN	55324	1/2	1/2	1	3
R2F05000-R030	15326	1/2	1/2	1	3
R2F05000-R030 TiN	25326	1/2	1/2	1	3
R2F05000-R030 TiCN	45326	1/2	1/2	1	3
R2F05000-R030 AlTiN	55326	1/2	1/2	1	3
R2F05000-R045	15328	1/2	1/2	1	3
R2F05000-R045 TiN	25328	1/2	1/2	1	3
R2F05000-R045 TiCN	45328	1/2	1/2	1	3
R2F05000-R045 AlTiN	55328	1/2	1/2	1	3
R2F05000-R060	15330	1/2	1/2	1	3
R2F05000-R060 TiN	25330	1/2	1/2	1	3
R2F05000-R060 TiCN	45330	1/2	1/2	1	3
R2F05000-R060 AlTiN	55330	1/2	1/2	1	3
R2F06250-R020	15332	5/8	5/8	1-1/4	3-1/2
R2F06250-R020 TiN	25332	5/8	5/8	1-1/4	3-1/2
R2F06250-R020 TiCN	45332	5/8	5/8	1-1/4	3-1/2
R2F06250-R020 AlTiN	55332	5/8	5/8	1-1/4	3-1/2
R2F06250-R030	15334	5/8	5/8	1-1/4	3-1/2
R2F06250-R030 TiN	25334	5/8	5/8	1-1/4	3-1/2
R2F06250-R030 TiCN	45334	5/8	5/8	1-1/4	3-1/2
R2F06250-R030 AlTiN	55334	5/8	5/8	1-1/4	3-1/2
R2F06250-R045	15336	5/8	5/8	1-1/4	3-1/2
R2F06250-R045 TiN	25336	5/8	5/8	1-1/4	3-1/2
R2F06250-R045 TiCN	45336	5/8	5/8	1-1/4	3-1/2
R2F06250-R045 AlTiN	55336	5/8	5/8	1-1/4	3-1/2
R2F06250-R060	15338	5/8	5/8	1-1/4	3-1/2
R2F06250-R060 TiN	25338	5/8	5/8	1-1/4	3-1/2

R2F06250-R060 TiCN	45338	5/8	5/8	1-1/4	3-1/2
R2F06250-R060 AlTiN	55338	5/8	5/8	1-1/4	3-1/2
R2F06250-R090	15340	5/8	5/8	1-1/4	3-1/2
R2F06250-R090 TiN	25340	5/8	5/8	1-1/4	3-1/2
R2F06250-R090 TiCN	45340	5/8	5/8	1-1/4	3-1/2
R2F06250-R090 AlTiN	55340	5/8	5/8	1-1/4	3-1/2
R2F07500-R020	15342	3/4	3/4	1-1/2	4
R2F07500-R020 TiN	25342	3/4	3/4	1-1/2	4
R2F07500-R020 TiCN	45342	3/4	3/4	1-1/2	4
R2F07500-R020 AlTiN	55342	3/4	3/4	1-1/2	4
R2F07500-R030	15344	3/4	3/4	1-1/2	4
R2F07500-R030 TiN	25344	3/4	3/4	1-1/2	4
R207500-R030 TiCN	45344	3/4	3/4	1-1/2	4
R2F07500-R030 AlTiN	55344	3/4	3/4	1-1/2	4
R2F07500-R045	15346	3/4	3/4	1-1/2	4
R2F07500-R045 TiN	25346	3/4	3/4	1-1/2	4
R2F07500-R045 TiCN	45346	3/4	3/4	1-1/2	4
R2F07500-R045 AlTiN	55346	3/4	3/4	1-1/2	4
R2F07500-R060	15348	3/4	3/4	1-1/2	4
R2F07500-R060 TiN	25348	3/4	3/4	1-1/2	4
R2F07500-R060 TiCN	45348	3/4	3/4	1-1/2	4
R2F07500-R060 AlTiN	55348	3/4	3/4	1-1/2	4
R2F07500-R090	15350	3/4	3/4	1-1/2	4
R2F07500-R090 TiN	25350	3/4	3/4	1-1/2	4
R2F07500-R090 TiCN	45350	3/4	3/4	1-1/2	4
R2F07500-R090 AlTiN	55350	3/4	3/4	1-1/2	4
R2F07500-R125	15352	3/4	3/4	1-1/2	4
R2F07500-R125 TiN	25352	3/4	3/4	1-1/2	4
R2F07500-R125 TiCN	45352	3/4	3/4	1-1/2	4
R2F07500-R125 AlTiN	55352	3/4	3/4	1-1/2	4
R2F10000-R020	15354	1	1	1-1/2	4
R2F10000-R020 TiN	25354	1	1	1-1/2	4
R2F10000-R020 TiCN	45354	1	1	1-1/2	4
R2F10000-R020 AlTiN	55354	1	1	1-1/2	4
R2F10000-R030	15356	1	1	1-1/2	4
R2F10000-R030 TiN	25356	1	1	1-1/2	4
R2F10000-R030 TiCN	45356	1	1	1-1/2	4
R2F10000-R030 AlTiN	55356	1	1	1-1/2	4
R2F10000-R045	15358	1	1	1-1/2	4
R2F10000-R045 TiN	25358	1	1	1-1/2	4
R2F10000-R045 TiCN	45358	1	1	1-1/2	4
R2F10000-R045 AlTiN	55358	1	1	1-1/2	4
R2F10000-R060	15428	1	1	1-1/2	4
R2F10000-R060 TiN	25428	1	1	1-1/2	4
R2F10000-R060 TiCN	45428	1	1	1-1/2	4
R2F10000-R060 AlTiN	55428	1	1	1-1/2	4
R2F10000-R090	15430	1	1	1-1/2	4
R2F10000-R090 TiN	25430	1	1	1-1/2	4
R2F10000-R090 TiCN	45430	1	1	1-1/2	4
R2F10000-R090 AlTiN	55430	1	1	1-1/2	4
R2F10000-R125	15432	1	1	1-1/2	4

R2F10000-R125 TiN	25432	1	1	1-1/2	4
R2F10000-R125 TiCN	45432	1	1	1-1/2	4
R2F10000-R125 AlTiN	55432	1	1	1-1/2	4
R4F00938-R010	11061	3/32	1/8	3/8	1-1/2
R4F00938-R010 TiN	21061	3/32	1/8	3/8	1-1/2
R4F00938-R010 TiCN	41061	3/32	1/8	3/8	1-1/2
R4F00938-R010 AlTiN	51061	3/32	1/8	3/8	1-1/2
R4F00938-R015	11063	3/32	1/8	3/8	1-1/2
R4F00938-R015 TiN	21063	3/32	1/8	3/8	1-1/2
R4F00938-R015 TiCN	41063	3/32	1/8	3/8	1-1/2
R4F00938-R015 AlTiN	51063	3/32	1/8	3/8	1-1/2
R4F00938-R020	11065	3/32	1/8	3/8	1-1/2
R4F00938-R020 TiN	21065	3/32	1/8	3/8	1-1/2
R4F00938-R020 TiCN	41065	3/32	1/8	3/8	1-1/2
R4F00938-R020 AlTiN	51065	3/32	1/8	3/8	1-1/2
R4F01250-R010	11067	1/8	1/8	1/2	1-1/2
R4F01250-R010 TiN	21067	1/8	1/8	1/2	1-1/2
R4F01250-R010 TiCN	41067	1/8	1/8	1/2	1-1/2
R4F01250-R010 AlTiN	51067	1/8	1/8	1/2	1-1/2
R4F01250-R015	15422	1/8	1/8	1/2	1-1/2
R4F01250-R015 TiN	25422	1/8	1/8	1/2	1-1/2
R4F01250-R015 TiCN	45422	1/8	1/8	1/2	1-1/2
R4F01250-R0156 AlTiN	55422	1/8	1/8	1/2	1-1/2
R4F01250-R020	11069	1/8	1/8	1/2	1-1/2
R4F01250-R020 TiN	21069	1/8	1/8	1/2	1-1/2
R4F01250-R020 TiCN	41069	1/8	1/8	1/2	1-1/2
R4F01250-R020 AlTiN	51069	1/8	1/8	1/2	1-1/2
R4F01250-R030	11071	1/8	1/8	1/2	1-1/2
R4F01250-R030 TiN	21071	1/8	1/8	1/2	1-1/2
R4F01250-R030 TiCN	41071	1/8	1/8	1/2	1-1/2
R4F01250-R030 AlTiN	51071	1/8	1/8	1/2	1-1/2
R4F01875-R010	11073	3/16	3/16	5/8	2
R4F01875-R010 TiN	21073	3/16	3/16	5/8	2
R4F01875-R010 TiCN	41073	3/16	3/16	5/8	2
R4F01875-R010 AlTiN	51073	3/16	3/16	5/8	2
R4F01875-R015	11075	3/16	3/16	5/8	2
R4F01875-R015 TiN	21075	3/16	3/16	5/8	2
R4F01875-R015 TiCN	41075	3/16	3/16	5/8	2
R4F01875-R015 AlTiN	51075	3/16	3/16	5/8	2
R4F01875-R020	15424	3/16	3/16	5/8	2
R4F01875-R020 TN	25424	3/16	3/16	5/8	2
R4F01875-R020 TiCN	45424	3/16	3/16	5/8	2
R4F01875-R020 AlTiN	55424	3/16	3/16	5/8	2
R4F01875-R030	15426	3/16	3/16	5/8	2

R4F01875-R030 TiN	25426	3/16	3/16	5/8	2
R4F01875-R030 TiCN	45426	3/16	3/16	5/8	2
R4F01875-R030 AlTiN	55426	3/16	3/16	5/8	2
R4F02500-R015	15360	1/4	1/4	3/4	2-1/2
R4F02500-R015 TiN	25360	1/4	1/4	3/4	2-1/2
R4F02500-R015 TiCN	45360	1/4	1/4	3/4	2-1/2
R4F02500-R015 AlTiN	55360	1/4	1/4	3/4	2-1/2
R4F02500-R020	15362	1/4	1/4	3/4	2-1/2
R4F02500-R020 TiN	25362	1/4	1/4	3/4	2-1/2
R4F02500-R020 TiCN	45362	1/4	1/4	3/4	2-1/2
R4F02500-R020 AlTiN	55362	1/4	1/4	3/4	2-1/2
R4F02500-R030	15364	1/4	1/4	3/4	2-1/2
R4F02500-R030 TiN	25364	1/4	1/4	3/4	2-1/2
R4F02500-R030 TiCN	45364	1/4	1/4	3/4	2-1/2
R4F02500-R030 AlTiN	55364	1/4	1/4	3/4	2-1/2
R4F02500-R045	15366	1/4	1/4	3/4	2-1/2
R4F02500-R045 TiN	25366	1/4	1/4	3/4	2-1/2
R4F02500-R045 TiCN	45366	1/4	1/4	3/4	2-1/2
R4F02500-R045 AlTiN	55366	1/4	1/4	3/4	2-1/2
R4F03125-R015	11077	5/16	5/16	13/16	2-1/2
R4F03125-R015 TiN	21077	5/16	5/16	13/16	2-1/2
R4F03125-R015 TiCN	41077	5/16	5/16	13/16	2-1/2
R4F03125-R015 AlTiN	51077	5/16	5/16	13/16	2-1/2
R4F03125-R020	15368	5/16	5/16	13/16	2-1/2
R4F03125-R020 TiN	25368	5/16	5/16	13/16	2-1/2
R4F03125-R020 TiCN	45368	5/16	5/16	13/16	2-1/2
R4F03125-R020 AlTiN	55368	5/16	5/16	13/16	2-1/2
R4F03125-R030	15370	5/16	5/16	13/16	2-1/2
R4F03125-R030 TiN	25370	5/16	5/16	13/16	2-1/2
R4F03125-R030 TiCN	45370	5/16	5/16	13/16	2-1/2
R4F03125-R030 AlTiN	55370	5/16	5/16	13/16	2-1/2
R4F03125-R045	15372	5/16	5/16	13/16	2-1/2
R4F03125-R045 TiN	25372	5/16	5/16	13/16	2-1/2
R4F03125-R045 TiCN	45372	5/16	5/16	13/16	2-1/2
R4F03125-R045 AlTiN	55372	5/16	5/16	13/16	2-1/2
R4F03125-R060	11079	5/16	5/16	13/16	2-1/2
R4F03125-R060 TiN	21079	5/16	5/16	13/16	2-1/2
R4F03125-R060 TiCN	41079	5/16	5/16	13/16	2-1/2
R4F03122-R060 AlTiN	51079	5/16	5/16	13/16	2-1/2
R4F03750-R015	11081	3/8	3/8	1	2-1/2
R4F03750-R015 TiN	21081	3/8	3/8	1	2-1/2
R4F03750-R015 TiCN	41081	3/8	3/8	1	2-1/2
R4F03750-R015 AlTiN	51081	3/8	3/8	1	2-1/2

R4F03750-R020	15374	3/8	3/8	1	2-1/2
R4F03750-R020 TiN	25374	3/8	3/8	1	2-1/2
R4F03750-R020 TiCN	45374	3/8	3/8	1	2-1/2
R4F03750-R020 AlTiN	55374	3/8	3/8	1	2-1/2
R4F03750-R030	15376	3/8	3/8	1	2-1/2
R4F03750-R030 TiN	25376	3/8	3/8	1	2-1/2
R4F03750-R030 TiCN	45376	3/8	3/8	1	2-1/2
R4F03750-R030 AlTiN	55376	3/8	3/8	1	2-1/2
R4F03750-R045	15378	3/8	3/8	1	2-1/2
R4F03750-R045 TiN	25378	3/8	3/8	1	2-1/2
R4F03750-R045 TiCN	45378	3/8	3/8	1	2-1/2
R4F03750-R045 AlTiN	55378	3/8	3/8	1	2-1/2
R4F03750-R060	11083	3/8	3/8	1	2-1/2
R4F03750-R060 TiN	21083	3/8	3/8	1	2-1/2
R4F03750-R060 TiCN	41083	3/8	3/8	1	2-1/2
R4F03750-R060 AlTiN	51083	3/8	3/8	1	2-1/2
R4F05000-R015	11085	1/2	1/2	1	3
R4F05000-R015 TiN	21085	1/2	1/2	1	3
R4F05000-R015 TiCN	41085	1/2	1/2	1	3
R4F05000-R015 AlTiN	51085	1/2	1/2	1	3
R4F05000-R020	15380	1/2	1/2	1	3
R4F05000-R020 TiN	25380	1/2	1/2	1	3
R4F05000-R020 TiCN	45380	1/2	1/2	1	3
R4F05000-R020 AlTiN	55380	1/2	1/2	1	3
R4F05000-R030	15382	1/2	1/2	1	3
R4F05000-R030 TiN	25382	1/2	1/2	1	3
R4F05000-R030 TiCN	45382	1/2	1/2	1	3
R4F05000-R030 AlTiN	55382	1/2	1/2	1	3
R4F05000-R045	15384	1/2	1/2	1	3
R4F05000-R045 TiN	25384	1/2	1/2	1	3
R4F05000-R045 TiCN	45384	1/2	1/2	1	3
R4F05000-R045 AlTiN	55384	1/2	1/2	1	3
R4F05000-R060	15386	1/2	1/2	1	3
R4F05000-R060 TiN	25386	1/2	1/2	1	3
R4F05000-R060 TiCN	45386	1/2	1/2	1	3
R4F05000-R060 AlTiN	55386	1/2	1/2	1	3
R4F05000-R090	11087	1/2	1/2	1	3
R4F05000-R090 TiN	21087	1/2	1/2	1	3
R4F05000-R090 TiCN	41087	1/2	1/2	1	3
R4F05000-R090 AlTiN	51087	1/2	1/2	1	3
R4F05000-R125	11089	1/2	1/2	1	3
R4F05000-R125 TiN	21089	1/2	1/2	1	3
R4F05000-R125 TiCN	41089	1/2	1/2	1	3

R4F05000-R125 AlTiN	51089	1/2	1/2	1	3
R4F06250-R015	11091	5/8	5/8	1-1/4	3-1/2
R4F06250-R015 TiN	21091	5/8	5/8	1-1/4	3-1/2
R4F06250-R015 TiCN	41091	5/8	5/8	1-1/4	3-1/2
R4F06250-R015 AlTiN	51091	5/8	5/8	1-1/4	3-1/2
R4F06250-R020	15388	5/8	5/8	1-1/4	3-1/2
R4F06250-R020 TiN	25388	5/8	5/8	1-1/4	3-1/2
R4F06250-R020 TiCN	45388	5/8	5/8	1-1/4	3-1/2
R4F06250-R020 AlTiN	55388	5/8	5/8	1-1/4	3-1/2
R4F06250-R030	15390	5/8	5/8	1-1/4	3-1/2
R4F06250-R030 TiN	25390	5/8	5/8	1-1/4	3-1/2
R4F06250-R030 TiCN	45390	5/8	5/8	1-1/4	3-1/2
R4F06250-R030 AlTiN	55390	5/8	5/8	1-1/4	3-1/2
R4F06250-R045	15392	5/8	5/8	1-1/4	3-1/2
R4F06250-R045 TiN	25392	5/8	5/8	1-1/4	3-1/2
R4F06250-R045 TiCN	45392	5/8	5/8	1-1/4	3-1/2
R4F06250-R045 AlTiN	55392	5/8	5/8	1-1/4	3-1/2
R4F06250-R060	15394	5/8	5/8	1-1/4	3-1/2
R4F06250-R060 TiN	25394	5/8	5/8	1-1/4	3-1/2
R4F06250-R060 TiCN	45394	5/8	5/8	1-1/4	3-1/2
R4F06250-R060 AlTiN	55394	5/8	5/8	1-1/4	3-1/2
R4F06250-R090	15396	5/8	5/8	1-1/4	3-1/2
R4F06250-R090 TiN	25396	5/8	5/8	1-1/4	3-1/2
R4F06250-R090 TiCN	45396	5/8	5/8	1-1/4	3-1/2
R4F06250-R090 AlTiN	55396	5/8	5/8	1-1/4	3-1/2
R4F07500-R015	11093	3/4	3/4	1-1/2	4
R4F07500-R015 TiN	21093	3/4	3/4	1-1/2	4
R4F07500-R015 TiCN	41093	3/4	3/4	1-1/2	4
R4F07500-R015 AlTiN	51093	3/4	3/4	1-1/2	4
R4F07500-R020	15398	3/4	3/4	1-1/2	4
R4F07500-R020 TiN	25398	3/4	3/4	1-1/2	4
R4F07500-R020 TiCN	45398	3/4	3/4	1-1/2	4
R4F07500-R020 AlTiN	55398	3/4	3/4	1-1/2	4
R4F07500-R030	15400	3/4	3/4	1-1/2	4
R4F07500-R030 TiN	25400	3/4	3/4	1-1/2	4
R4F07500-R030 TiCN	45400	3/4	3/4	1-1/2	4
R4F07500-R030 AlTiN	55400	3/4	3/4	1-1/2	4
R4F07500-R045	15402	3/4	3/4	1-1/2	4
R4F07500-R045 TiN	25402	3/4	3/4	1-1/2	4
R4F07500-R045 TiCN	45402	3/4	3/4	1-1/2	4
R4F07500-R045 AlTiN	55402	3/4	3/4	1-1/2	4
R4F07500-R060	15404	3/4	3/4	1-1/2	4
R4F07500-R060 TiN	25404	3/4	3/4	1-1/2	4

R4F07500-R060 TiCN	45404	3/4	3/4	1-1/2	4
R4F07500-R060 AlTiN	55404	3/4	3/4	1-1/2	4
R4F07500-R090	15406	3/4	3/4	1-1/2	4
R4F07500-R090 TiN	25406	3/4	3/4	1-1/2	4
R4F07500-R090 TiCN	45406	3/4	3/4	1-1/2	4
R4F07500-R090 AlTiN	55406	3/4	3/4	1-1/2	4
R4F07500-R125	15408	3/4	3/4	1-1/2	4
R4F07500-R125 TiN	25408	3/4	3/4	1-1/2	4
R4F07500-R125 TiCN	45408	3/4	3/4	1-1/2	4
R4F07500-R125 AlTiN	55408	3/4	3/4	1-1/2	4
R4F10000-R015	11095	1	1	1-1/2	4
R4F10000-R015 TiN	21095	1	1	1-1/2	4
R4F10000-R015 TiCN	41095	1	1	1-1/2	4
R4F10000-R015 AlTiN	51095	1	1	1-1/2	4
R4F10000-R020	15410	1	1	1-1/2	4
R4F10000-R020 TiN	25410	1	1	1-1/2	4
R4F10000-R020 TiCN	45410	1	1	1-1/2	4
R4F10000-R020 AlTiN	55410	1	1	1-1/2	4
R4F10000-R030	15412	1	1	1-1/2	4
R4F10000-R030 TiN	25412	1	1	1-1/2	4
R4F10000-R030 TiCN	45412	1	1	1-1/2	4
R4F10000-R030 AlTiN	55412	1	1	1-1/2	4
R4F10000-R045	15414	1	1	1-1/2	4
R4F10000-R045 TiN	25414	1	1	1-1/2	4
R4F10000-R045 TiCN	45414	1	1	1-1/2	4
R4F10000-R045 AlTiN	55414	1	1	1-1/2	4
R4F10000-R060	15416	1	1	1-1/2	4
R4F10000-R060 TiN	25416	1	1	1-1/2	4
R4F10000-R060 TiCN	45416	1	1	1-1/2	4
R4F10000-R060 AlTiN	55416	1	1	1-1/2	4
R4F10000-R090	15418	1	1	1-1/2	4
R4F10000-R090 TiN	25418	1	1	1-1/2	4
R4F10000-R090 TiCN	45418	1	1	1-1/2	4
R4F10000-R090 AlTiN	55418	1	1	1-1/2	4
R4F10000-R125	15420	1	1	1-1/2	4
R4F10000-R125 TiN	25420	1	1	1-1/2	4
R4F10000-R125 TiCN	45420	1	1	1-1/2	4
R4F10000-R125 AlTiN	55420	1	1	1-1/2	4