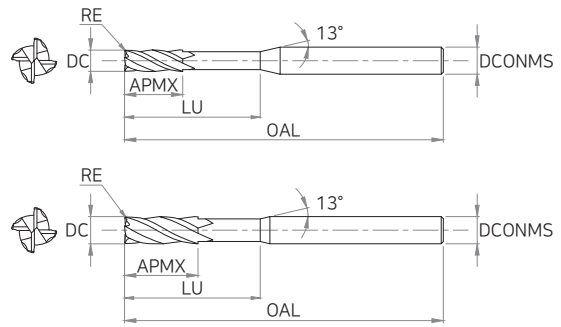


ESRR714 4 Flutes Rib Radius End Mill

Endmill



► Tolerance

DC		Shank Dia
~ Ø6	0 ~ -0.012	h5
Ø8 ~ Ø20	0 ~ -0.015	



Ø6 OR UNDER ABOVE Ø6

EDP No	DC	RE	APMX	LU	OAL	DCON MS	EDP No	DC	RE	APMX	LU	OAL	DCON MS
ESRR714 00500502	0.5	0.05	0.5	2	45	4	ESRR714 00701002	0.7	0.1	0.7	2	45	4
ESRR714 00500504	0.5	0.05	0.5	4	45	4	ESRR714 00701004	0.7	0.1	0.7	4	45	4
ESRR714 00500506	0.5	0.05	0.5	6	45	4	ESRR714 00701006	0.7	0.1	0.7	6	45	4
ESRR714 00500508	0.5	0.05	0.5	8	45	4	ESRR714 00701008	0.7	0.1	0.7	8	45	4
ESRR714 00501002	0.5	0.1	0.5	2	45	4	ESRR714 00800202	0.8	0.02	0.8	2	45	4
ESRR714 00501004	0.5	0.1	0.5	4	45	4	ESRR714 00800204	0.8	0.02	0.8	4	45	4
ESRR714 00501006	0.5	0.1	0.5	6	45	4	ESRR714 00800206	0.8	0.02	0.8	6	45	4
ESRR714 00501008	0.5	0.1	0.5	8	45	4	ESRR714 00800208	0.8	0.02	0.8	8	45	4
ESRR714 00600502	0.6	0.05	0.6	2	45	4	ESRR714 00800210	0.8	0.02	0.8	10	45	4
ESRR714 00600504	0.6	0.05	0.6	4	45	4	ESRR714 00800212	0.8	0.02	0.8	12	50	4
ESRR714 00600506	0.6	0.05	0.6	6	45	4	ESRR714 00800502	0.8	0.05	0.8	2	45	4
ESRR714 00600508	0.6	0.05	0.6	8	45	4	ESRR714 00800504	0.8	0.05	0.8	4	45	4
ESRR714 00601002	0.6	0.1	0.6	2	45	4	ESRR714 00800506	0.8	0.05	0.8	6	45	4
ESRR714 00601004	0.6	0.1	0.6	4	45	4	ESRR714 00800508	0.8	0.05	0.8	8	45	4
ESRR714 00601006	0.6	0.1	0.6	6	45	4	ESRR714 00800510	0.8	0.05	0.8	10	45	4
ESRR714 00601008	0.6	0.1	0.6	8	45	4	ESRR714 00800512	0.8	0.05	0.8	12	50	4
ESRR714 00700502	0.7	0.05	0.7	2	45	4	ESRR714 00801002	0.8	0.1	0.8	2	45	4
ESRR714 00700504	0.7	0.05	0.7	4	45	4	ESRR714 00801004	0.8	0.1	0.8	4	45	4
ESRR714 00700506	0.7	0.05	0.7	6	45	4	ESRR714 00801006	0.8	0.1	0.8	6	45	4
ESRR714 00700508	0.7	0.05	0.7	8	45	4	ESRR714 00801008	0.8	0.1	0.8	8	45	4

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
◎	○		○	◎						

ESRR714 4 Flutes Rib Radius End Mill

Endmill

	EDP No	DC	RE	APMX	LU	OAL	DCON MS		EDP No	DC	RE	APMX	LU	OAL	DCON MS
Zamus Star	ESRR714 00801010	0.8	0.1	0.8	10	45	4		ESRR714 01002014	1	0.2	1	14	50	4
	ESRR714 00801012	0.8	0.1	0.8	12	50	4		ESRR714 01002016	1	0.2	1	16	50	4
	ESRR714 01000204	1	0.02	1	4	45	4		ESRR714 01002020	1	0.2	1	20	50	4
	ESRR714 01000206	1	0.02	1	6	45	4		ESRR714 01003003	1	0.3	1	3	45	4
E-Star	ESRR714 01000208	1	0.02	1	8	45	4		ESRR714 01003004	1	0.3	1	4	45	4
	ESRR714 01000210	1	0.02	1	10	50	4		ESRR714 01003006	1	0.3	1	6	45	4
	ESRR714 01000212	1	0.02	1	12	50	4		ESRR714 01003008	1	0.3	1	8	45	4
	ESRR714 01000214	1	0.02	1	14	50	4		ESRR714 01003010	1	0.3	1	10	50	4
U-Wing	ESRR714 01000216	1	0.02	1	16	50	4		ESRR714 01003012	1	0.3	1	12	50	4
	ESRR714 01000220	1	0.02	1	20	50	4		ESRR714 01003014	1	0.3	1	14	50	4
	ESRR714 01000503	1	0.05	1	3	45	4		ESRR714 01003016	1	0.3	1	16	50	4
	ESRR714 01000504	1	0.05	1	4	45	4		ESRR714 01003020	1	0.3	1	20	50	4
Zamus Thunder	ESRR714 01000506	1	0.05	1	6	45	4		ESRR714 01200204	1.2	0.02	1.2	4	45	4
	ESRR714 01000508	1	0.05	1	8	45	4		ESRR714 01200206	1.2	0.02	1.2	6	45	4
	ESRR714 01000510	1	0.05	1	10	50	4		ESRR714 01200208	1.2	0.02	1.2	8	45	4
	ESRR714 01000512	1	0.05	1	12	50	4		ESRR714 01200210	1.2	0.02	1.2	10	50	4
X-Star	ESRR714 01000514	1	0.05	1	14	50	4		ESRR714 01200212	1.2	0.02	1.2	12	50	4
	ESRR714 01000516	1	0.05	1	16	50	4		ESRR714 01200214	1.2	0.02	1.2	14	50	4
	ESRR714 01000520	1	0.05	1	20	50	4		ESRR714 01200216	1.2	0.02	1.2	16	50	4
	ESRR714 01001003	1	0.1	1	3	45	4		ESRR714 01200220	1.2	0.02	1.2	20	50	4
S-Wing	ESRR714 01001004	1	0.1	1	4	45	4		ESRR714 01200503	1.2	0.05	1.2	3	45	4
	ESRR714 01001006	1	0.1	1	6	45	4		ESRR714 01200504	1.2	0.05	1.2	4	45	4
	ESRR714 01001008	1	0.1	1	8	45	4		ESRR714 01200506	1.2	0.05	1.2	6	45	4
	ESRR714 01001010	1	0.1	1	10	50	4		ESRR714 01200508	1.2	0.05	1.2	8	45	4
A-Wing	ESRR714 01001012	1	0.1	1	12	50	4		ESRR714 01200510	1.2	0.05	1.2	10	50	4
	ESRR714 01001014	1	0.1	1	14	50	4		ESRR714 01200512	1.2	0.05	1.2	12	50	4
	ESRR714 01001016	1	0.1	1	16	50	4		ESRR714 01200514	1.2	0.05	1.2	14	50	4
	ESRR714 01001020	1	0.1	1	20	50	4		ESRR714 01200516	1.2	0.05	1.2	16	50	4
Standard	ESRR714 01002003	1	0.2	1	3	45	4		ESRR714 01200520	1.2	0.05	1.2	20	50	4
	ESRR714 01002004	1	0.2	1	4	45	4		ESRR714 01201003	1.2	0.1	1.2	3	45	4
	ESRR714 01002006	1	0.2	1	6	45	4		ESRR714 01201004	1.2	0.1	1.2	4	45	4
	ESRR714 01002008	1	0.2	1	8	45	4		ESRR714 01201006	1.2	0.1	1.2	6	45	4
Copper-Mate	ESRR714 01002010	1	0.2	1	10	50	4		ESRR714 01201008	1.2	0.1	1.2	8	45	4
	ESRR714 01002012	1	0.2	1	12	50	4		ESRR714 01201010	1.2	0.1	1.2	10	50	4
Gra-Mate															

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
◎	○		○	◎						

ESRR714 4 Flutes Rib Radius End Mill

Endmill

EDP No	DC	RE	APMX	LU	OAL	DCON MS	EDP No	DC	RE	APMX	LU	OAL	DCON MS
ESRR714 01201012	1.2	0.1	1.2	12	50	4	ESRR714 01500514	1.5	0.05	1.5	14	50	4
ESRR714 01201014	1.2	0.1	1.2	14	50	4	ESRR714 01500516	1.5	0.05	1.5	16	50	4
ESRR714 01201016	1.2	0.1	1.2	16	50	4	ESRR714 01500520	1.5	0.05	1.5	20	50	4
ESRR714 01201020	1.2	0.1	1.2	20	50	4	ESRR714 01500522	1.5	0.05	1.5	22	60	4
ESRR714 01202003	1.2	0.2	1.2	3	45	4	ESRR714 01500526	1.5	0.05	1.5	26	60	4
ESRR714 01202004	1.2	0.2	1.2	4	45	4	ESRR714 01501004	1.5	0.1	1.5	4	45	4
ESRR714 01202006	1.2	0.2	1.2	6	45	4	ESRR714 01501006	1.5	0.1	1.5	6	45	4
ESRR714 01202008	1.2	0.2	1.2	8	45	4	ESRR714 01501008	1.5	0.1	1.5	8	45	4
ESRR714 01202010	1.2	0.2	1.2	10	50	4	ESRR714 01501010	1.5	0.1	1.5	10	50	4
ESRR714 01202012	1.2	0.2	1.2	12	50	4	ESRR714 01501012	1.5	0.1	1.5	12	50	4
ESRR714 01202014	1.2	0.2	1.2	14	50	4	ESRR714 01501014	1.5	0.1	1.5	14	50	4
ESRR714 01202016	1.2	0.2	1.2	16	50	4	ESRR714 01501016	1.5	0.1	1.5	16	50	4
ESRR714 01202020	1.2	0.2	1.2	20	50	4	ESRR714 01501020	1.5	0.1	1.5	20	50	4
ESRR714 01203003	1.2	0.3	1.2	3	45	4	ESRR714 01501022	1.5	0.1	1.5	22	60	4
ESRR714 01203004	1.2	0.3	1.2	4	45	4	ESRR714 01501026	1.5	0.1	1.5	26	60	4
ESRR714 01203006	1.2	0.3	1.2	6	45	4	ESRR714 01502004	1.5	0.2	1.5	4	45	4
ESRR714 01203008	1.2	0.3	1.2	8	45	4	ESRR714 01502006	1.5	0.2	1.5	6	45	4
ESRR714 01203010	1.2	0.3	1.2	10	50	4	ESRR714 01502008	1.5	0.2	1.5	8	45	4
ESRR714 01203012	1.2	0.3	1.2	12	50	4	ESRR714 01502010	1.5	0.2	1.5	10	50	4
ESRR714 01203016	1.2	0.3	1.2	16	50	4	ESRR714 01502012	1.5	0.2	1.5	12	50	4
ESRR714 01203020	1.2	0.3	1.2	20	50	4	ESRR714 01502014	1.5	0.2	1.5	14	50	4
ESRR714 01500206	1.5	0.02	1.5	6	45	4	ESRR714 01502016	1.5	0.2	1.5	16	50	4
ESRR714 01500208	1.5	0.02	1.5	8	45	4	ESRR714 01502020	1.5	0.2	1.5	20	50	4
ESRR714 01500210	1.5	0.02	1.5	10	50	4	ESRR714 01502022	1.5	0.2	1.5	22	60	4
ESRR714 01500212	1.5	0.02	1.5	12	50	4	ESRR714 01502025	1.5	0.2	1.5	25	60	4
ESRR714 01500214	1.5	0.02	1.5	14	50	4	ESRR714 01503004	1.5	0.3	1.5	4	45	4
ESRR714 01500216	1.5	0.02	1.5	16	50	4	ESRR714 01503006	1.5	0.3	1.5	6	45	4
ESRR714 01500220	1.5	0.02	1.5	20	50	4	ESRR714 01503008	1.5	0.3	1.5	8	45	4
ESRR714 01500222	1.5	0.02	1.5	22	60	4	ESRR714 01503010	1.5	0.3	1.5	10	50	4
ESRR714 01500504	1.5	0.05	1.5	4	45	4	ESRR714 01503012	1.5	0.3	1.5	12	50	4
ESRR714 01500506	1.5	0.05	1.5	6	45	4	ESRR714 01503014	1.5	0.3	1.5	14	50	4
ESRR714 01500508	1.5	0.05	1.5	8	45	4	ESRR714 01503016	1.5	0.3	1.5	16	50	4
ESRR714 01500510	1.5	0.05	1.5	10	50	4	ESRR714 01503020	1.5	0.3	1.5	20	50	4
ESRR714 01500512	1.5	0.05	1.5	12	50	4	ESRR714 01503022	1.5	0.3	1.5	22	60	4

Zamus
Star

E-Star

U-Wing

Zamus
Thunder

X-Star

S-Wing

A-Wing

Standard

Copper
-Mate

Gra
-Mate

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
◎	○		○	◎						

ESRR714 4 Flutes Rib Radius End Mill

Endmill

	EDP No	DC	RE	APMX	LU	OAL	DCON MS		EDP No	DC	RE	APMX	LU	OAL	DCON MS
Zamus Star	ESRR714 01503025	1.5	0.3	1.5	25	60	4		ESRR714 02001016	2	0.1	2	16	50	4
	ESRR714 01505004	1.5	0.5	1.5	4	45	4		ESRR714 02001020	2	0.1	2	20	50	4
	ESRR714 01505006	1.5	0.5	1.5	6	45	4		ESRR714 02001022	2	0.1	2	22	60	4
	ESRR714 01505008	1.5	0.5	1.5	8	45	4		ESRR714 02001025	2	0.1	2	25	60	4
E-Star	ESRR714 01505010	1.5	0.5	1.5	10	50	4		ESRR714 02001030	2	0.1	2	30	70	4
	ESRR714 01505012	1.5	0.5	1.5	12	50	4		ESRR714 02002006	2	0.2	2	6	45	4
	ESRR714 01505014	1.5	0.5	1.5	14	50	4		ESRR714 02002008	2	0.2	2	8	45	4
	ESRR714 01505016	1.5	0.5	1.5	16	50	4		ESRR714 02002010	2	0.2	2	10	50	4
U-Wing	ESRR714 01505020	1.5	0.5	1.5	20	50	4		ESRR714 02002012	2	0.2	2	12	50	4
	ESRR714 01505022	1.5	0.5	1.5	22	60	4		ESRR714 02002014	2	0.2	2	14	50	4
	ESRR714 01505025	1.5	0.5	1.5	25	60	4		ESRR714 02002016	2	0.2	2	16	50	4
	ESRR714 02000206	2	0.02	2	6	45	4		ESRR714 02002020	2	0.2	2	20	50	4
Zamus Thunder	ESRR714 02000208	2	0.02	2	8	45	4		ESRR714 02002022	2	0.2	2	22	60	4
	ESRR714 02000210	2	0.02	2	10	50	4		ESRR714 02002025	2	0.2	2	25	60	4
	ESRR714 02000212	2	0.02	2	12	50	4		ESRR714 02002030	2	0.2	2	30	70	4
	ESRR714 02000214	2	0.02	2	14	50	4		ESRR714 02003006	2	0.3	2	6	45	4
X-Star	ESRR714 02000216	2	0.02	2	16	50	4		ESRR714 02003008	2	0.3	2	8	45	4
	ESRR714 02000220	2	0.02	2	20	50	4		ESRR714 02003010	2	0.3	2	10	50	4
	ESRR714 02000225	2	0.02	2	25	60	4		ESRR714 02003012	2	0.3	2	12	50	4
	ESRR714 02000230	2	0.02	2	30	70	4		ESRR714 02003014	2	0.3	2	14	50	4
S-Wing	ESRR714 02000506	2	0.05	2	6	45	4		ESRR714 02003016	2	0.3	2	16	50	4
	ESRR714 02000508	2	0.05	2	8	45	4		ESRR714 02003020	2	0.3	2	20	50	4
	ESRR714 02000510	2	0.05	2	10	50	4		ESRR714 02003022	2	0.3	2	22	60	4
	ESRR714 02000512	2	0.05	2	12	50	4		ESRR714 02003025	2	0.3	2	25	60	4
A-Wing	ESRR714 02000514	2	0.05	2	14	50	4		ESRR714 02003030	2	0.3	2	30	70	4
	ESRR714 02000516	2	0.05	2	16	50	4		ESRR714 02005006	2	0.5	3	6	45	4
	ESRR714 02000520	2	0.05	2	20	50	4		ESRR714 02005008	2	0.5	2	8	45	4
	ESRR714 02000525	2	0.05	2	25	60	4		ESRR714 02005010	2	0.5	2	10	50	4
Standard	ESRR714 02000530	2	0.05	2	30	70	4		ESRR714 02005012	2	0.5	2	12	50	4
	ESRR714 02001006	2	0.1	2	6	45	4		ESRR714 02005014	2	0.5	2	14	50	4
	ESRR714 02001008	2	0.1	2	8	45	4		ESRR714 02005016	2	0.5	2	16	50	4
	ESRR714 02001010	2	0.1	2	10	50	4		ESRR714 02005020	2	0.5	2	20	50	4
Gra-Mate	ESRR714 02001012	2	0.1	2	12	50	4		ESRR714 02005022	2	0.5	2	22	60	4
	ESRR714 02001014	2	0.1	2	14	50	4		ESRR714 02005025	2	0.5	2	25	60	4

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
◎	○		○	◎						

ESRR714 4 Flutes Rib Radius End Mill

Endmill

EDP No	DC	RE	APMX	LU	OAL	DCON MS	EDP No	DC	RE	APMX	LU	OAL	DCON MS
ESRR714 02005030	2	0.5	2	30	70	4	ESRR714 03001010	3	0.1	3	10	50	6
ESRR714 02501008	2.5	0.1	2.5	8	45	4	ESRR714 03001012	3	0.1	3	12	50	6
ESRR714 02501010	2.5	0.1	2.5	10	50	4	ESRR714 03001014	3	0.1	3	14	50	6
ESRR714 02501012	2.5	0.1	2.5	12	50	4	ESRR714 03001016	3	0.1	3	16	55	6
ESRR714 02501014	2.5	0.1	2.5	14	50	4	ESRR714 03001020	3	0.1	3	20	60	6
ESRR714 02501016	2.5	0.1	2.5	16	50	4	ESRR714 03001025	3	0.1	3	25	65	6
ESRR714 02501020	2.5	0.1	2.5	20	50	4	ESRR714 03001030	3	0.1	3	30	70	6
ESRR714 02501025	2.5	0.1	2.5	25	60	4	ESRR714 03001035	3	0.1	3	35	75	6
ESRR714 02501030	2.5	0.1	2.5	30	70	4	ESRR714 03001040	3	0.1	3	40	80	6
ESRR714 02502008	2.5	0.2	2.5	8	45	4	ESRR714 03001045	3	0.1	3	45	90	6
ESRR714 02502010	2.5	0.2	2.5	10	50	4	ESRR714 03002008	3	0.2	3	8	45	6
ESRR714 02502012	2.5	0.2	2.5	12	50	4	ESRR714 03002010	3	0.2	3	10	50	6
ESRR714 02502014	2.5	0.2	2.5	14	50	4	ESRR714 03002012	3	0.2	3	12	50	6
ESRR714 02502016	2.5	0.2	2.5	16	50	4	ESRR714 03002014	3	0.2	3	14	50	6
ESRR714 02502020	2.5	0.2	2.5	20	50	4	ESRR714 03002016	3	0.2	3	16	55	6
ESRR714 02502025	2.5	0.2	2.5	25	60	4	ESRR714 03002020	3	0.2	3	20	60	6
ESRR714 02502030	2.5	0.2	2.5	30	70	4	ESRR714 03002025	3	0.2	3	25	65	6
ESRR714 02503008	2.5	0.3	2.5	8	45	4	ESRR714 03002030	3	0.2	3	30	70	6
ESRR714 02503010	2.5	0.3	2.5	10	50	4	ESRR714 03002035	3	0.2	3	35	75	6
ESRR714 02503012	2.5	0.3	2.5	12	50	4	ESRR714 03002040	3	0.2	3	40	80	6
ESRR714 02503014	2.5	0.3	2.5	14	50	4	ESRR714 03002045	3	0.2	3	45	90	6
ESRR714 02503016	2.5	0.3	2.5	16	50	4	ESRR714 03003008	3	0.3	3	8	45	6
ESRR714 02503020	2.5	0.3	2.5	20	50	4	ESRR714 03003010	3	0.3	3	10	50	6
ESRR714 02503025	2.5	0.3	2.5	25	60	4	ESRR714 03003012	3	0.3	3	12	50	6
ESRR714 02503030	2.5	0.3	2.5	30	70	4	ESRR714 03003014	3	0.3	3	14	50	6
ESRR714 02505008	2.5	0.5	2.5	8	45	4	ESRR714 03003016	3	0.3	3	16	55	6
ESRR714 02505010	2.5	0.5	2.5	10	50	4	ESRR714 03003020	3	0.3	3	20	60	6
ESRR714 02505012	2.5	0.5	2.5	12	50	4	ESRR714 03003025	3	0.3	3	25	65	6
ESRR714 02505014	2.5	0.5	2.5	14	50	4	ESRR714 03003030	3	0.3	3	30	70	6
ESRR714 02505016	2.5	0.5	2.5	16	50	4	ESRR714 03003035	3	0.3	3	35	75	6
ESRR714 02505020	2.5	0.5	2.5	20	50	4	ESRR714 03003040	3	0.3	3	40	80	6
ESRR714 02505025	2.5	0.5	2.5	25	60	4	ESRR714 03003045	3	0.3	3	45	90	6
ESRR714 02505030	2.5	0.5	2.5	30	70	4	ESRR714 03005008	3	0.5	3	8	45	6
ESRR714 03001008	3	0.1	3	8	45	6	ESRR714 03005010	3	0.5	3	10	50	6

Zamus
Star

E-Star

U-Wing

Zamus
Thunder

X-Star

S-Wing

A-Wing

Standard

Copper
-Mate

Gra
-Mate

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
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ESRR714 4 Flutes Rib Radius End Mill

Endmill

	EDP No	DC	RE	APMX	LU	OAL	DCON MS		EDP No	DC	RE	APMX	LU	OAL	DCON MS
Zamus Star	ESRR714 03005012	3	0.5	3	12	50	6		ESRR714 04002012	4	0.2	4	12	50	6
	ESRR714 03005014	3	0.5	3	14	50	6		ESRR714 04002013	4	0.2	4	13	55	6
	ESRR714 03005016	3	0.5	3	16	55	6		ESRR714 04002016	4	0.2	4	16	55	6
	ESRR714 03005020	3	0.5	3	20	60	6		ESRR714 04002020	4	0.2	4	20	60	6
	ESRR714 03005025	3	0.5	3	25	65	6		ESRR714 04002025	4	0.2	4	25	65	6
E-Star	ESRR714 03005030	3	0.5	3	30	70	6		ESRR714 04002030	4	0.2	4	30	70	6
	ESRR714 03005035	3	0.5	3	35	75	6		ESRR714 04002035	4	0.2	4	35	75	6
	ESRR714 03005040	3	0.5	3	40	80	6		ESRR714 04002040	4	0.2	4	40	80	6
	ESRR714 03005045	3	0.5	3	45	90	6		ESRR714 04002045	4	0.2	4	45	90	6
	ESRR714 03005050	3	0.5	3	50	100	6		ESRR714 04002050	4	0.2	4	50	100	6
U-Wing	ESRR714 03010008	3	1	3	8	45	6		ESRR714 04003010	4	0.3	4	10	50	6
	ESRR714 03010010	3	1	3	10	50	6		ESRR714 04003012	4	0.3	4	12	50	6
	ESRR714 03010012	3	1	3	12	50	6		ESRR714 04003013	4	0.3	4	13	55	6
Zamus Thunder	ESRR714 03010014	3	1	3	14	50	6		ESRR714 04003016	4	0.3	4	16	55	6
	ESRR714 03010016	3	1	3	16	55	6		ESRR714 04003020	4	0.3	4	20	60	6
	ESRR714 03010020	3	1	3	20	60	6		ESRR714 04003025	4	0.3	4	25	65	6
X-Star	ESRR714 03010025	3	1	3	25	65	6		ESRR714 04003030	4	0.3	4	30	70	6
	ESRR714 03010030	3	1	3	30	70	6		ESRR714 04003035	4	0.3	4	35	75	6
	ESRR714 03010035	3	1	3	35	75	6		ESRR714 04003040	4	0.3	4	40	80	6
S-Wing	ESRR714 03010040	3	1	3	40	80	6		ESRR714 04003045	4	0.3	4	45	90	6
	ESRR714 03010045	3	1	3	45	90	6		ESRR714 04003050	4	0.3	4	50	100	6
	ESRR714 03010050	3	1	3	50	100	6		ESRR714 04005010	4	0.5	4	10	50	6
A-Wing	ESRR714 04001010	4	0.1	4	10	50	6		ESRR714 04005012	4	0.5	4	12	50	6
	ESRR714 04001012	4	0.1	4	12	50	6		ESRR714 04005013	4	0.5	4	13	55	6
	ESRR714 04001013	4	0.1	4	13	55	6		ESRR714 04005016	4	0.5	4	16	55	6
Standard	ESRR714 04001016	4	0.1	4	16	55	6		ESRR714 04005020	4	0.5	4	20	60	6
	ESRR714 04001020	4	0.1	4	20	60	6		ESRR714 04005025	4	0.5	4	25	65	6
	ESRR714 04001025	4	0.1	4	25	65	6		ESRR714 04005030	4	0.5	4	30	70	6
Copper-Mate	ESRR714 04001030	4	0.1	4	30	70	6		ESRR714 04005035	4	0.5	4	35	75	6
	ESRR714 04001035	4	0.1	4	35	75	6		ESRR714 04005040	4	0.5	4	40	80	6
	ESRR714 04001040	4	0.1	4	40	80	6		ESRR714 04005045	4	0.5	4	45	90	6
Gra-Mate	ESRR714 04001045	4	0.1	4	45	90	6		ESRR714 04005050	4	0.5	4	50	100	6
	ESRR714 04001050	4	0.1	4	50	100	6		ESRR714 04005055	4	0.5	4	55	100	6
	ESRR714 04002010	4	0.2	4	10	50	6		ESRR714 04010010	4	1	4	10	50	6

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
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ESRR714 4 Flutes Rib Radius End Mill

Endmill

EDP No	DC	RE	APMX	LU	OAL	DCON MS	EDP No	DC	RE	APMX	LU	OAL	DCON MS
ESRR714 04010012	4	1	4	12	50	6	ESRR714 06001050	6	0.1	7	50	100	6
ESRR714 04010013	4	1	4	13	55	6	ESRR714 06002020	6	0.2	7	20	60	6
ESRR714 04010016	4	1	4	16	55	6	ESRR714 06002040	6	0.2	7	40	80	6
ESRR714 04010020	4	1	4	20	60	6	ESRR714 06002050	6	0.2	7	50	100	6
ESRR714 04010025	4	1	4	25	65	6	ESRR714 06003020	6	0.3	7	20	60	6
ESRR714 04010030	4	1	4	30	70	6	ESRR714 06003030	6	0.3	7	30	70	6
ESRR714 04010035	4	1	4	35	75	6	ESRR714 06003040	6	0.3	7	40	80	6
ESRR714 04010040	4	1	4	40	80	6	ESRR714 06003050	6	0.3	7	50	100	6
ESRR714 04010045	4	1	4	45	90	6	ESRR714 06005020	6	0.5	7	20	60	6
ESRR714 04010050	4	1	4	50	100	6	ESRR714 06005030	6	0.5	7	30	70	6
ESRR714 04010055	4	1	4	55	100	6	ESRR714 06005040	6	0.5	7	40	80	6
ESRR714 05001016	5	0.1	5	16	60	6	ESRR714 06005050	6	0.5	7	50	100	6
ESRR714 05001030	5	0.1	5	30	70	6	ESRR714 06005060	6	0.5	7	60	110	6
ESRR714 05001040	5	0.1	5	40	80	6	ESRR714 06010020	6	1	7	20	60	6
ESRR714 05002016	5	0.2	5	16	60	6	ESRR714 06010030	6	1	7	30	70	6
ESRR714 05002030	5	0.2	5	30	70	6	ESRR714 06010040	6	1	7	40	80	6
ESRR714 05002040	5	0.2	5	40	80	6	ESRR714 06010050	6	1	7	50	100	6
ESRR714 05003016	5	0.3	5	16	60	6	ESRR714 06010060	6	1	7	60	110	6
ESRR714 05003030	5	0.3	5	30	70	6	ESRR714 06015020	6	1.5	7	20	60	6
ESRR714 05003040	5	0.3	5	40	80	6	ESRR714 06015040	6	1.5	7	40	80	6
ESRR714 05005016	5	0.5	5	16	60	6	ESRR714 06015050	6	1.5	7	50	100	6
ESRR714 05005030	5	0.5	5	30	70	6	ESRR714 06020020	6	2	7	20	60	6
ESRR714 05005040	5	0.5	5	40	80	6	ESRR714 06020030	6	2	7	30	70	6
ESRR714 05005050	5	0.5	5	50	100	6	ESRR714 06020040	6	2	7	40	80	6
ESRR714 05005060	5	0.5	5	60	110	6	ESRR714 06020050	6	2	7	50	100	6
ESRR714 05010016	5	1	5	16	60	6	ESRR714 08001025	8	0.1	9	25	70	8
ESRR714 05010030	5	1	5	30	70	6	ESRR714 08002022	8	0.2	9	22	65	8
ESRR714 05010040	5	1	5	40	80	6	ESRR714 08002040	8	0.2	9	40	100	8
ESRR714 05010050	5	1	5	50	100	6	ESRR714 08003022	8	0.3	9	22	65	8
ESRR714 05010060	5	1	5	60	110	6	ESRR714 08003040	8	0.3	9	40	100	8
ESRR714 05015015	5	1.5	5	15	60	6	ESRR714 08005022	8	0.5	9	22	65	8
ESRR714 05020015	5	2	5	15	60	6	ESRR714 08005035	8	0.5	9	35	100	8
ESRR714 06001020	6	0.1	7	20	60	6	ESRR714 08005040	8	0.5	9	40	100	8
ESRR714 06001040	6	0.1	7	40	80	6	ESRR714 08005050	8	0.5	9	50	120	8

Zamus
Star

E-Star

U-Wing

Zamus
Thunder

X-Star

S-Wing

A-Wing

Standard

Copper
-Mate

Gra
-Mate

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
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ESRR714 4 Flutes Rib Radius End Mill

Endmill

	EDP No	DC	RE	APMX	LU	OAL	DCON MS		EDP No	DC	RE	APMX	LU	OAL	DCON MS
Zamus Star	ESRR714 08005060	8	0.5	9	60	120	8		ESRR714 10020024	10	2	11	24	70	10
	ESRR714 08010022	8	1	9	22	65	8		ESRR714 10020040	10	2	11	40	100	10
	ESRR714 08010035	8	1	9	35	100	8		ESRR714 10020050	10	2	11	50	120	10
	ESRR714 08010040	8	1	9	40	100	8		ESRR714 10025024	10	2.5	11	24	70	10
E-Star	ESRR714 08010050	8	1	9	50	120	8		ESRR714 12002032	12	0.2	13	32	80	12
	ESRR714 08010060	8	1	9	60	120	8		ESRR714 12003026	12	0.3	13	26	80	12
	ESRR714 08015022	8	1.5	9	22	65	8		ESRR714 12003045	12	0.3	13	45	110	12
	ESRR714 08015040	8	1.5	9	40	100	8		ESRR714 12005026	12	0.5	13	26	80	12
U-Wing	ESRR714 08020022	8	2	9	22	65	8		ESRR714 12005040	12	0.5	13	40	110	12
	ESRR714 08020040	8	2	9	40	100	8		ESRR714 12005060	12	0.5	13	60	130	12
	ESRR714 08020050	8	2	9	50	120	8		ESRR714 12010026	12	1	13	26	80	12
	ESRR714 10001030	10	0.1	11	30	75	10		ESRR714 12010040	12	1	13	40	110	12
Zamus Thunder	ESRR714 10002024	10	0.2	11	24	70	10		ESRR714 12010060	12	1	13	60	130	12
	ESRR714 10002040	10	0.2	11	40	100	10		ESRR714 12015026	12	1.5	13	26	80	12
	ESRR714 10003024	10	0.3	11	24	70	10		ESRR714 12020026	12	2	13	26	80	12
	ESRR714 10003040	10	0.3	11	40	100	10		ESRR714 12020040	12	2	13	40	110	12
X-Star	ESRR714 10005024	10	0.5	11	24	70	10		ESRR714 12030026	12	3	13	26	80	12
	ESRR714 10005040	10	0.5	11	40	100	10		ESRR714 16005035	16	0.5	20	35	100	16
	ESRR714 10005050	10	0.5	11	50	120	10		ESRR714 16005050	16	0.5	35	50	150	16
	ESRR714 10005060	10	0.5	11	60	120	10		ESRR714 16010035	16	1	20	35	100	16
S-Wing	ESRR714 10010024	10	1	11	24	70	10		ESRR714 16010050	16	1	35	50	150	16
	ESRR714 10010040	10	1	11	40	100	10		ESRR714 20005040	20	0.5	25	40	100	20
	ESRR714 10010050	10	1	11	50	120	10		ESRR714 20005055	20	0.5	40	55	150	20
	ESRR714 10010060	10	1	11	60	120	10		ESRR714 20010040	20	1	25	40	100	20
A-Wing	ESRR714 10015024	10	1.5	11	24	70	10		ESRR714 20010055	20	1	40	55	150	20
	ESRR714 10015040	10	1.5	11	40	100	10								

Standard

Copper
-Mate

Gra
-Mate

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
◎	○		○	◎						