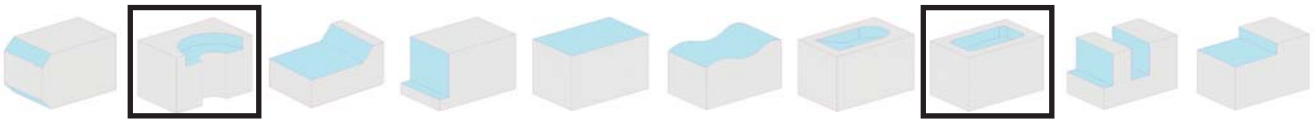
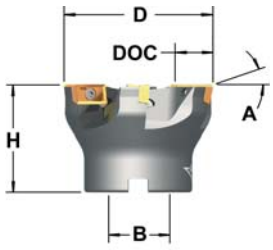
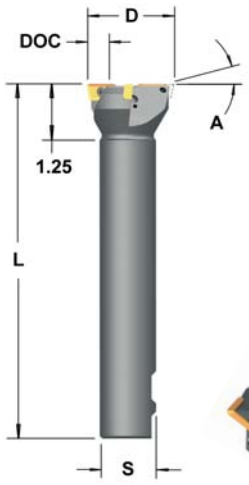
293 Series







5° Pos Axial
Neg Radial
0° Dish

- Engineered to plunge in the Z axis
- End Mills with thru coolant

293 Series - Dimensional Specifications

End Mills

Product Number	D	A	S	L	DOC	Insert *	Teeth
293E0200CCP3-W125R	2.00	0°	1.25	7.88	.56	CPEH-32.63-4L__ CPEH-3263-4L__	3

Face Mills

Product Number	D	A	B	H	DOC	Insert *	Teeth
293F0250ACP3-075R	2.50	0°	0.75	2.00	.56	CPEH-32.63-4L__ CPEH-3263-4L__	5
293F0300ACP3-100R	3.00	0°	1.00	2.00	.56	CPEH-32.63-4L__ CPEH-3263-4L__	6
293F0400ACP3-125R	4.00	0°	1.25	2.00	.56	CPEH-32.63-4L__ CPEH-3263-4L__	6
293F0500ACP3-150R	5.00	0°	1.50	2.00	.56	CPEH-32.63-4L__ CPEH-3263-4L__	8
293F0600ACP3-200R	6.00	0°	2.00	2.00	.56	CPEH-32.63-4L__ CPEH-3263-4L__	9

LEFT HAND cutters also available

Insert I.C. x Thickness	 Insert Pg 31 *	 Insert Screw	 Insert Screw Wrench
.375 x .188	CPEH-32.63-4L__ CPEH-3263-4L__	3605-0001-0033	1557-TX15

Insert Edge Profiles

CPEH-32.63-4L-4W

CPEH-32.63-4L-F

CPEH-3263-4LFW815B

*** Left hand inserts are used in Right hand cutters. Use RH inserts for dimensions & Grade selections.**

Machining Parameters

Material	SFPM	FPT	Primary	Secondary
Gray Cast Iron, Class 30	200-500	.002-.008	CPEH-32.63-4L-4W GR 586XRm	CPEH-32.63-4L-4W GR LTC-10
Tool Steel, D2	250-350	.002-.008	CPEH-3263-4LFW815B GR LT-5565	CPEH-3263-4LFW815B GR LTC-14
Medium Alloy Steel	300-700	.002-.008	CPEH-3263-4LFW815B GR LT-5565	CPEH-3263-4LFW815B GR LTC-14
Tool Steel, P20	300-700	.002-.008	CPEH-3263-4LFW815B GR LT-5565	CPEH-3263-4LFW815B GR LTC-14
Soft Alloy Steel	400-800	.002-.008	CPEH-32.63-4L-4WB GR 606jRm	CPEH-32.63-4L-4WB GR LTC-14
Stainless Steel, 17-4PH, 15-5PH	300-700	.002-.008	CPEH-3263-4LFW815B GR LT-5565	CPEH-3263-4LFW815B GR LTC-14
Stainless Steel, 304, 316	200-500	.002-.008	CPEH-32.63-4L-4W GR 586XRm	CPEH-32.63-4L-4W GR LTC-10

LOVEJOY Tool Company's new Z Axis Plunge mill is intended to be used in applications where there are increased metal removal rates and when tool overhang ratios are exceeded. Tool deflection is decreased when plunging as the cutting forces are directed back into the spindle. This new machining system comes in sizes ranging from 2.00" to 6.00" in diameter.