

Surface finish oriented, 2 flutes, Sharp corner edge

No. of Flutes: 2

2FESS, 2FESM, 2FESL

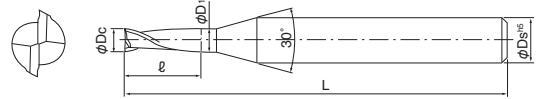


MEGACOAT is applied

Super Micro-grain carbide

Workpiece Materials

★ 1st choice



2FESS (Short)

Shouldering

Slotting

2FESM (Medium)

Shouldering

Slotting

(Unit : mm)

Description	Std.	Outside Dia. ϕD_c	Mill Dia. tolerance	Length of cut ℓ	Neck Dia. ϕD_1	Shank diameter ϕD_s	Overall length L	No. of Flutes Z
2FESS010-015-04	<input type="checkbox"/>	1.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	1.5	1.1	4	45	2
2FESS015-023-04	<input type="checkbox"/>	1.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	2.3	1.6	4	45	2
2FESS020-030-04	<input type="checkbox"/>	2.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	3.0	2.1	4	45	2
2FESS025-037-04	<input type="checkbox"/>	2.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	3.7	2.6	4	45	2
2FESS030-045-06	<input type="checkbox"/>	3.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	4.5	3.2	6	50	2
2FESS035-052-06	<input type="checkbox"/>	3.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	5.2	3.7	6	50	2
2FESS040-060-06	<input type="checkbox"/>	4.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.0	4.2	6	50	2
2FESS045-067-06	<input type="checkbox"/>	4.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.7	4.7	6	50	2
2FESS050-075-06	<input type="checkbox"/>	5.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	7.5	5.2	6	50	2
2FESS055-082-06	<input type="checkbox"/>	5.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.2	5.7	6	50	2
2FESS060-090-06	<input type="checkbox"/>	6.0	$\begin{matrix} 0 \\ -0.020 \end{matrix}$	9.0	-	6	50	2
2FESS080-120-08	<input type="checkbox"/>	8.0	$\begin{matrix} -0.005 \\ -0.025 \end{matrix}$	12.0	-	8	60	2
2FESS100-150-10	<input type="checkbox"/>	10.0	$\begin{matrix} -0.005 \\ -0.025 \end{matrix}$	15.0	-	10	70	2
2FESS120-180-12	<input type="checkbox"/>	12.0	$\begin{matrix} -0.010 \\ -0.030 \end{matrix}$	18.0	-	12	75	2
2FESS140-210-16	<input type="checkbox"/>	14.0	$\begin{matrix} -0.010 \\ -0.030 \end{matrix}$	21.0	14.2	16	75	2
2FESS150-230-16	<input type="checkbox"/>	15.0	$\begin{matrix} -0.010 \\ -0.030 \end{matrix}$	23.0	15.2	16	90	2
2FESS160-240-16	<input type="checkbox"/>	16.0	$\begin{matrix} -0.010 \\ -0.030 \end{matrix}$	24.0	-	16	90	2

(Unit : mm)

Description	Std.	Outside Dia. ϕD_c	Mill Dia. tolerance	Length of cut ℓ	Neck Dia. ϕD_1	Shank diameter ϕD_s	Overall length L	No. of Flutes Z
2FESM002-004-04	<input type="checkbox"/>	0.2	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	0.4	0.22	4	45	2
2FESM003-006-04	<input type="checkbox"/>	0.3	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	0.6	0.32	4	45	2
2FESM004-008-04	<input type="checkbox"/>	0.4	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	0.8	0.42	4	45	2
2FESM005-010-04	<input type="checkbox"/>	0.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	1.0	0.53	4	45	2
2FESM006-012-04	<input type="checkbox"/>	0.6	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	1.2	0.63	4	45	2
2FESM007-014-04	<input type="checkbox"/>	0.7	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	1.4	0.74	4	45	2
2FESM008-016-04	<input type="checkbox"/>	0.8	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	1.6	0.84	4	45	2
2FESM009-020-04	<input type="checkbox"/>	0.9	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	2.0	0.95	4	45	2
2FESM010-025-04	<input type="checkbox"/>	1.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	2.5	1.1	4	45	2
2FESM011-025-04	<input type="checkbox"/>	1.1	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	2.5	1.2	4	45	2
2FESM012-040-04	<input type="checkbox"/>	1.2	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	4.0	1.3	4	45	2
2FESM013-040-04	<input type="checkbox"/>	1.3	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	4.0	1.4	4	45	2
2FESM014-040-04	<input type="checkbox"/>	1.4	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	4.0	1.5	4	45	2
2FESM015-040-04	<input type="checkbox"/>	1.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	4.0	1.6	4	45	2
2FESM016-050-04	<input type="checkbox"/>	1.6	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	5.0	1.7	4	45	2
2FESM017-050-04	<input type="checkbox"/>	1.7	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	5.0	1.8	4	45	2
2FESM018-050-04	<input type="checkbox"/>	1.8	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	5.0	1.9	4	45	2
2FESM019-050-04	<input type="checkbox"/>	1.9	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	5.0	2.0	4	45	2
2FESM020-060-04	<input type="checkbox"/>	2.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.0	2.1	4	45	2
2FESM021-060-04	<input type="checkbox"/>	2.1	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.0	2.2	4	45	2
2FESM022-060-04	<input type="checkbox"/>	2.2	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.0	2.3	4	45	2
2FESM023-060-04	<input type="checkbox"/>	2.3	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	6.0	2.4	4	45	2
2FESM024-080-04	<input type="checkbox"/>	2.4	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	2.5	4	45	2
2FESM025-080-04	<input type="checkbox"/>	2.5	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	2.6	4	45	2
2FESM026-080-04	<input type="checkbox"/>	2.6	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	2.7	4	45	2
2FESM027-080-04	<input type="checkbox"/>	2.7	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	2.8	4	45	2
2FESM028-080-04	<input type="checkbox"/>	2.8	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	2.9	4	45	2
2FESM029-080-04	<input type="checkbox"/>	2.9	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	8.0	3.1	4	45	2
2FESM030-100-06	<input type="checkbox"/>	3.0	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	10.0	3.2	6	50	2
2FESM031-100-06	<input type="checkbox"/>	3.1	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	10.0	3.3	6	50	2
2FESM032-100-06	<input type="checkbox"/>	3.2	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	10.0	3.4	6	50	2
2FESM033-100-06	<input type="checkbox"/>	3.3	$\begin{matrix} 0 \\ -0.015 \end{matrix}$	10.0	3.5	6	50	2

Sharp Cutting Edge Reduced Burrs

X5CrNi18 10 (SUS304)

Block

- $V_c=70\text{m/min}$
($n=2,230\text{min}^{-1}$)
- $ap_{\text{max}}=5.0\text{mm} \times 1.0\text{mm}$
- $f_z=0.03\text{mm/t}$
($V_f=134\text{mm/min}$)

Shouldering

Upper workpiece area

2FESM100-220-10 Competitor Coating D

Recommended Cutting Conditions **L33**

: Check Availability