Hardened Metals, Multi-edge, Negative rake angle, Finishing

No. of Flutes: 4,5,6,7,8

4HFS, 5HFS, 6HFS, 7HFS, 8HFS

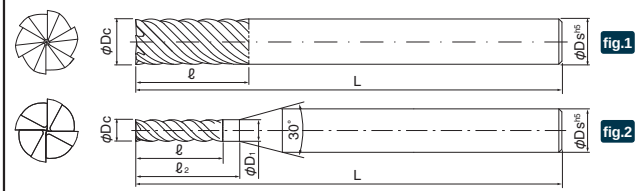
Workpiece Materials ★ 1st choice

4 5 6 7 8 HFSM

MEGACOAT Hard is applied

Super Micro-grain carbide

Hight efficiency cutting

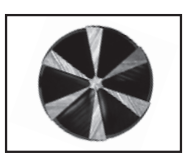


4HFSS, 5HFSS, 6HFSS, 7HFSS (Short)

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Under Neck Length	Shank diameter	Overall length	No. of Flutes
		øDc		ℓ	øD1	ℓ2	øDs	L	Z
4HFSS010-040-06 fig.2	☐	1	0 -0.015	4	1.05	4.8	6	60	4
4HFSS020-060-06 fig.2	☐	2	0 -0.015	6	2.10	7.2	6	60	4
4HFSS030-080-06 fig.2	☐	3	0 -0.015	8	3.15	9.6	6	60	4
4HFSS040-100-06 fig.2	☐	4	0 -0.015	10	4.2	12.0	6	60	4
4HFSS050-120-06 fig.2	☐	5	0 -0.015	12	5.2	14.4	6	60	4
5HFSS040-100-06 fig.2	☐	4	0 -0.015	10	4.2	12.0	6	60	5
6HFSS060-140-06 fig.1	☐	6	0 -0.020	14	-	-	6	60	6
6HFSS080-180-08 fig.1	☐	8	-0.005 -0.025	18	-	-	8	70	6
6HFSS100-220-10 fig.1	☐	10	-0.005 -0.025	22	-	-	10	80	6
6HFSS120-260-12 fig.1	☐	12	-0.010 -0.030	26	-	-	12	90	6
7HFSS060-140-06 fig.1	☐	6	0 -0.020	14	-	-	6	60	7
7HFSS080-180-08 fig.1	☐	8	-0.005 -0.025	18	-	-	8	70	7
7HFSS100-220-10 fig.1	☐	10	-0.005 -0.025	22	-	-	10	80	7
7HFSS120-260-12 fig.1	☐	12	-0.010 -0.030	26	-	-	12	90	7



Bottom surface of 6HSS cutting edge

4HFSM, 5HFSM, 6HFSM, 7HFSM, 8HFSM (Medium)

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Under Neck Length	Shank diameter	Overall length	No. of Flutes
		øDc		ℓ	øD1	ℓ2	øDs	L	Z
4HFSM010-050-06 fig.2	☐	1	0 -0.015	5	1.05	6	6	60	4
4HFSM020-090-06 fig.2	☐	2	0 -0.015	9	2.10	10.8	6	60	4
4HFSM030-120-06 fig.2	☐	3	0 -0.015	12	3.15	14.4	6	60	4
4HFSM040-140-06 fig.2	☐	4	0 -0.015	14	4.2	16.8	6	60	4
4HFSM050-170-06 fig.2	☐	5	0 -0.015	17	5.2	20.4	6	60	4
5HFSM040-140-06 fig.2	☐	4	0 -0.015	14	4.2	16.8	6	60	5
6HFSM060-170-06 fig.1	☐	6	0 -0.020	17	-	-	6	60	6
6HFSM080-230-08 fig.1	☐	8	-0.005 -0.025	23	-	-	8	70	6
6HFSM100-280-10 fig.1	☐	10	-0.005 -0.025	28	-	-	10	80	6
6HFSM120-330-12 fig.1	☐	12	-0.010 -0.030	33	-	-	12	90	6
6HFSM140-370-16 fig.2	☐	14	-0.010 -0.030	37	14.2	44.4	16	105	6
6HFSM150-420-16 fig.2	☐	15	-0.010 -0.030	42	15.2	50.4	16	105	6
6HFSM160-420-16 fig.1	☐	16	-0.010 -0.030	42	-	-	16	105	6
6HFSM200-480-20 fig.1	☐	20	-0.010 -0.030	48	-	-	20	110	6
7HFSM060-170-06 fig.1	☐	6	0 -0.020	17	-	-	6	60	7
7HFSM080-230-08 fig.1	☐	8	-0.005 -0.025	23	-	-	8	70	7
7HFSM100-280-10 fig.1	☐	10	-0.005 -0.025	28	-	-	10	80	7
7HFSM120-330-12 fig.1	☐	12	-0.010 -0.030	33	-	-	12	90	7
7HFSM160-420-16 fig.1	☐	16	-0.010 -0.030	42	-	-	16	105	7
8HFSM250-530-25 fig.1	☐	25	-0.010 -0.030	53	-	-	25	125	8

- New PVD coating “MEGACOAT Hard” for hardened metals.
  Achieves high rigidity by ensuring a large core diameter, longer tool life and stable cutting.
  Also increases cutting edge strength and chip evacuation with a negative rake angle.

Recommended Cutting Conditions L46

☐ : Check Availability