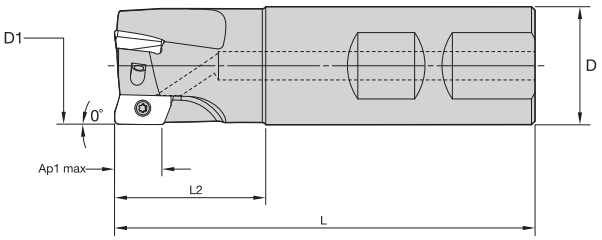
VSM11™ • Weldon® End Mills • Inch





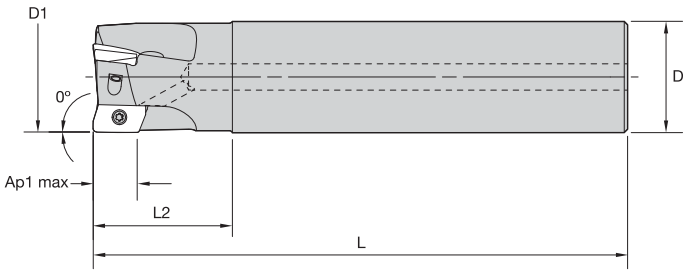
order number	catalog number	D1	D	L	L2	Ap1 max	Z	max ramp angle	max RPM	coolant supply	lbs
5416416	VSM11D062Z02W062XD11	.625	.625	2.750	.844	.454	2	12.5°	41700	Yes	.18
5416417	VSM11D075Z02W075XD11	.750	.750	3.200	1.170	.455	2	8.6°	36300	Yes	.30
5416418	VSM11D075Z03W075XD11	.750	.750	3.200	1.170	.455	3	8.6°	36300	Yes	.31
6025663	VSM11D100Z03W075XD11	1.000	.750	3.250	1.220	.453	3	5.1°	29900	Yes	.37
5416419	VSM11D100Z03W100XD11	1.000	1.000	3.500	1.220	.453	3	5.1°	29900	Yes	.62
5416450	VSM11D100Z04W100XD11	1.000	1.000	3.500	1.220	.453	4	5.1°	29900	Yes	.64
5416451	VSM11D125Z04W125XD11	1.250	1.250	4.000	1.720	.451	4	3.6°	25900	Yes	1.12
5416452	VSM11D125Z05W125XD11	1.250	1.250	4.000	1.720	.451	5	3.6°	25900	Yes	1.12

NOTE: Weldon type not recommended for finishing operations.

NOTE: Standard milling cutters will accept insert nose radii up to .062" without modification.
For tool body modification instructions, see page A96.

VSM11 • Cylindrical End Mills (regular and long version) • Inch

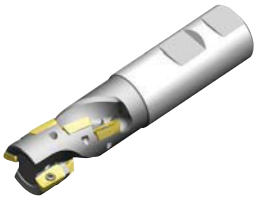


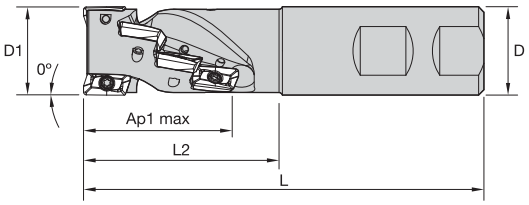


order number	catalog number	D1	D	L	L2	Ap1 max	Z	max ramp angle	max RPM	coolant supply	lbs
5416485	VSM11D050Z01C062XD11L400	.500	.625	4.000	.800	.461	1	4.2°	50400	Yes	.29
5416486	VSM11D062Z02C062XD11L400	.625	.625	4.000	1.000	.454	2	12.5°	41700	Yes	.28
5416487	VSM11D075Z02C075XD11L450	.750	.750	4.500	1.100	.455	2	8.6°	36300	Yes	.46
5416726	VSM11D075Z02C075XD11L670	.750	.750	6.700	1.610	.455	2	8.6°	36300	Yes	.69
5416488	VSM11D075Z03C075XD11L450	.750	.750	4.500	1.100	.455	3	8.6°	36300	Yes	.47
5416727	VSM11D075Z03C075XD11L670	.750	.750	6.700	1.610	.455	3	8.6°	36300	Yes	.70
6025664	VSM11D100Z03C075XD11L480	1.000	.750	4.800	1.282	.453	3	5.1°	29900	Yes	—
5416489	VSM11D100Z03C100XD11L480	1.000	1.000	4.800	1.250	.453	3	5.1°	29900	Yes	.90
5416728	VSM11D100Z03C100XD11L800	1.000	1.000	8.000	2.100	.453	3	5.1°	29900	Yes	1.54
5416520	VSM11D100Z04C100XD11L480	1.000	1.000	4.800	1.250	.453	4	5.1°	29900	Yes	.92
5416729	VSM11D100Z04C100XD11L800	1.000	1.000	8.000	2.100	.453	4	5.1°	29900	Yes	1.56
5416750	VSM11D125Z03C125XD11L980	1.250	1.250	9.800	2.510	.451	3	3.6°	25900	Yes	3.00
5416522	VSM11D125Z05C125XD11L520	1.250	1.250	5.200	1.600	.451	5	3.6°	25900	Yes	1.56

NOTE: Standard milling cutters will accept insert nose radii up to .062" without modification.
For tool body modification instructions, see page A96.

VSM11H™ • Helical End Mills with Weldon® Shank • Inch



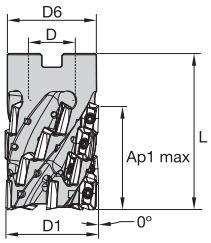


order number	catalog number	D1	D	L	L2	Ap1 max	Z	Z U	max ramp angle	max RPM	coolant supply	lbs
6740596	VSM11H100Z02W100XD11	1.000	1.000	4.530	2.250	1.700	8	2	4.4°	29700	Yes	.74
6740598	VSM11H125Z03W125XD11	1.250	1.250	4.530	2.250	1.700	12	3	3.2°	26500	Yes	1.20
6740599	VSM11H125Z04W125XD11	1.250	1.250	4.530	2.250	1.701	16	4	3.2°	26500	Yes	1.16

NOTE: Z = number of pockets; ZU = number of flutes.

VSM11H • Helical Shell Mills • Inch





order number	catalog number	D1	D	D6	L	Ap1 max	Z	Z U	max ramp angle	max RPM	coolant supply	lbs
6740600	VSM11H150Z04S075XD11	1.500	.750	1.350	2.500	1.700	16	4	2.5°	23300	Yes	.65
6740671	VSM11H150Z05S075XD11	1.500	.750	1.350	2.500	1.650	20	5	2.5°	23300	Yes	.64
6740672	VSM11H200Z04S075XD11	2.000	.750	1.750	2.750	2.030	20	4	1.8°	19700	Yes	1.51
6740673	VSM11H200Z06S075XD11	2.000	.750	1.750	2.750	2.030	30	6	1.8°	19700	Yes	1.43

NOTE: Z = number of pockets; ZU = number of flutes.

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MOUNTING SCREWS ARE NOT INCLUDED IN STANDARD PACKAGING.