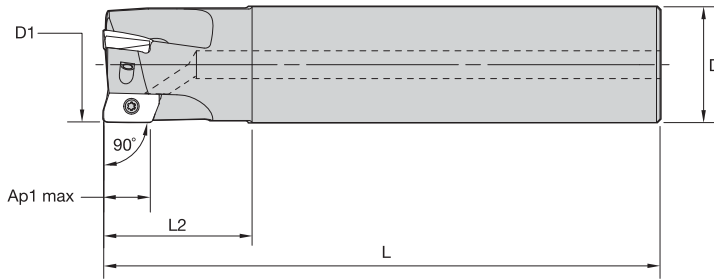
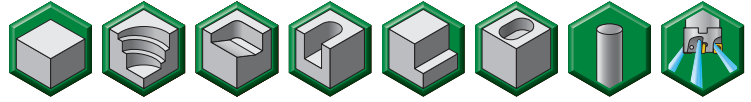


- True 90° capability.
- Increased ramping capability.
- Superior wall and surface finish.
- Effective internal coolant feature, precisely reaching the cutting edge.



Shoulder Mills

■ Cylindrical End Mills • Long Shanks

order number	catalogue number	D1	D	L	L2	Ap1 max	Z	max ramp angle	coolant supply	max RPM	kg
5416700	VSM11D016Z02A16XD11L170	16	16	170	25	11,5	2	10.0°	Yes	41400	0,23
5416701	VSM11D018Z02A16XD11L170	18	16	170	25	11,6	2	9.7°	Yes	37900	0,23
5416702	VSM11D020Z02A20XD11L170	20	20	170	41	11,6	2	7.8°	Yes	35100	0,35
5416703	VSM11D020Z03A20XD11L170	20	20	170	41	11,6	3	7.8°	Yes	35100	0,36
5416704	VSM11D022Z03A20XD11L170	22	20	170	30	11,5	3	6.6°	Yes	32900	0,37
5416705	VSM11D025Z03A25XD11L210	25	25	210	50	11,5	3	5.3°	Yes	30200	0,70
5416706	VSM11D025Z04A25XD11L210	25	25	210	50	11,5	4	5.3°	Yes	30200	0,72
5416707	VSM11D032Z03A32XD11L250	32	32	250	65	11,4	3	3.6°	Yes	25800	1,39

■ Spare Parts



insert screw

192.432



Nm

1,0



wrench

170.028

NOTE: Standard milling cutters will accept insert nose radii up to 1,6mm without modification.
For tool body modification instructions, see page J16.