



Drilling is one of the major machining operations in wind turbine manufacturing, especially for these parts:

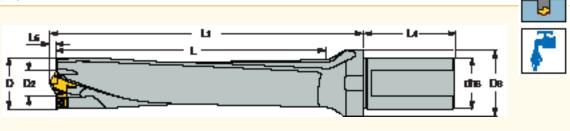






MNC

Large Diameter Indexable Drills with Integral Pilot Drills and One Flat Shanks, Drilling Depth 5xD



Designation	D	D ₂	L	L ₁	L ₄	L 5	d	D ₃	Insert(1)	Insert(2)
MNC 260-130 A32-150-06-5D	26.00	15.00	130.0	167.3	60.0	3.30	32.00	42.00	SOGX 060304-W	ICP 150
MNC 265-132 A32-155-06-5D	26.50	15.50	132.0	167.3	60.0	3.30	32.00	42.00	SOGX 060304-W	ICP 155
MNC 270-135 A32-160-06-5D	27.00	16.00	135.0	170.4	60.0	3.40	32.00	42.00	SOGX 060304-W	ICP 160
MNC 280-140 A32-170-06-5D	28.00	17.00	140.0	174.5	60.0	3.50	32.00	42.00	SOGX 060304-W	ICP 170
MNC 290-145 A32-160-07-5D	29.00	16.00	145.0	180.4	60.0	3.40	32.00	42.00	SOGX 070305-W	ICP 160
MNC 295-148 A32-165-07-5D	29.50	16.50	148.0	183.5	60.0	3.50	32.00	42.00	SOGX 070305-W	ICP 165
MNC 300-150 A32-165-07-5D	30.00	16.50	150.0	186.5	60.0	3.50	32.00	42.00	SOGX 070305-W	ICP 165
MNC 310-155 A32-175-07-5D	31.00	17.50	155.0	193.6	60.0	3.60	32.00	42.00	SOGX 070305-W	ICP 175
MNC 320-160 A32-185-07-5D	32.00	18.50	160.0	198.8	60.0	3.80	32.00	42.00	SOGX 070305-W	ICP 185
MNC 330-165 A32-175-09-5D	33.00	17.50	165.0	203.6	60.0	3.60	32.00	42.00	SOGT 09T306-W	ICP 175
MNC 340-170 A32-180-09-5D	34.00	18.00	170.0	208.7	60.0	3.70	32.00	42.00	SOGT 09T306-W	ICP 180
MNC 350-175 A32-189-09-5D	35.00	18.90	175.0	213.8	60.0	3.80	32.00	42.00	SOGT 09T306-W	ICP 189
MNC 360-180 A32-190-10-5D	36.00	19.00	180.0	219.3	60.0	4.30	32.00	42.00	SOGT 100408-W	ICP 190
MNC 370-185 A32-200-10-5D	37.00	20.00	185.0	224.5	60.0	4.50	32.00	42.00	SOGT 100408-W	ICP 200
MNC 375-188 A32-205-10-5D	37.50	20.50	188.0	227.6	60.0	4.60	32.00	42.00	SOGT 100408-W	ICP 205
MNC 380-190 A40-209-10-5D	38.00	20.90	190.0	231.7	68.0	4.70	40.00	50.00	SOGT 100408-W	ICP 209
MNC 390-195 A40-215-10-5D	39.00	21.50	195.0	237.8	68.0	4.80	40.00	50.00	SOGT 100408-W	ICP 215
MNC 400-200 A40-225-10-5D	40.00	22.50	200.0	244.9	68.0	4.90	40.00	50.00	SOGT 100408-W	ICP 225
MNC 405-203 A40-235-10-5D	40.50	23.50	203.0	248.1	68.0	5.10	40.00	50.00	SOGT 100408-W	ICP 235
MNC 410-205 A40-239-10-5D	41.00	23.90	205.0	250.1	68.0	5.10	40.00	50.00	SOGT 100408-W	ICP 239
MNC 420-210 A40-249-10-5D	42.00	24.90	210.0	255.3	68.0	5.30	40.00	50.00	SOGT 100408-W	ICP 249
MNC 430-215 A40-259-10-5D	43.00	25.90	215.0	263.5	68.0	5.50	40.00	50.00	SOGT 100408-W	
MNC 440-220 A40-210-12-5D	44.00	21.00	220.0	265.2	68.0	5.20	40.00	50.00	SOGT 120408-W	ICP 210
MNC 450-225 A40-219-12-5D	45.00	21.90	225.0	270.3	68.0	5.30	40.00	50.00	SOGT 120408-W	
MNC 460-230 A40-229-12-5D	46.00	22.90	230.0	275.5	68.0	5.50	40.00	50.00	SOGT 120408-W	ICP 229
MNC 470-235 A40-239-12-5D	47.00	23.90	235.0	281.6	68.0	5.60	40.00	50.00	SOGT 120408-W	
MNC 480-240 A40-249-12-5D	48.00	24.90	240.0	285.8	68.0	5.80	40.00	50.00	SOGT 120408-W	
MNC 490-245 A40-259-12-5D	49.00	25.90	245.0	293.0	68.0	6.00	40.00	50.00	SOGT 120408-W	
MNC 500-250 A40-269-12-5D	50.00	26.90	250.0	292.0	68.0	6.10	40.00	50.00	SOGT 120408-W	ICP 269

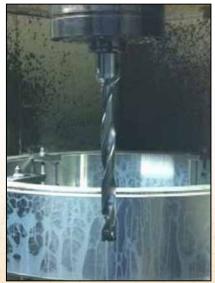
[•] Hole tolerance: D+0.10/-0.05 in average conditions. However, it can be higher or lower according to machine and tooling conditions.

(1) Outer insert (2) Central insert • Note: minimum coolant pressure requirements -15 bar.

ON REQUEST - Tool Design for Drilling Operations up to 12XD Ratio

The tool features polished spiral flute geometry for improved chip evacuation process. Central SUMOCHAM head with peripheral 4 SOMT/X inserts combined with 2 supporting guide pads ensure a stable and safe machining process.



















cost effective solution for this operation.

Features

- Diameter range: 26-50 mm
- 2 effective cutting edges for high productivity
- Drilling ratio 5XD

for premium hole accuracy.

No pre-hole is needed up to 5XD drilling ratio.

Peripheral SOMT/X wiper inserts feature 4 cutting edges and ensure premium surface quality.

