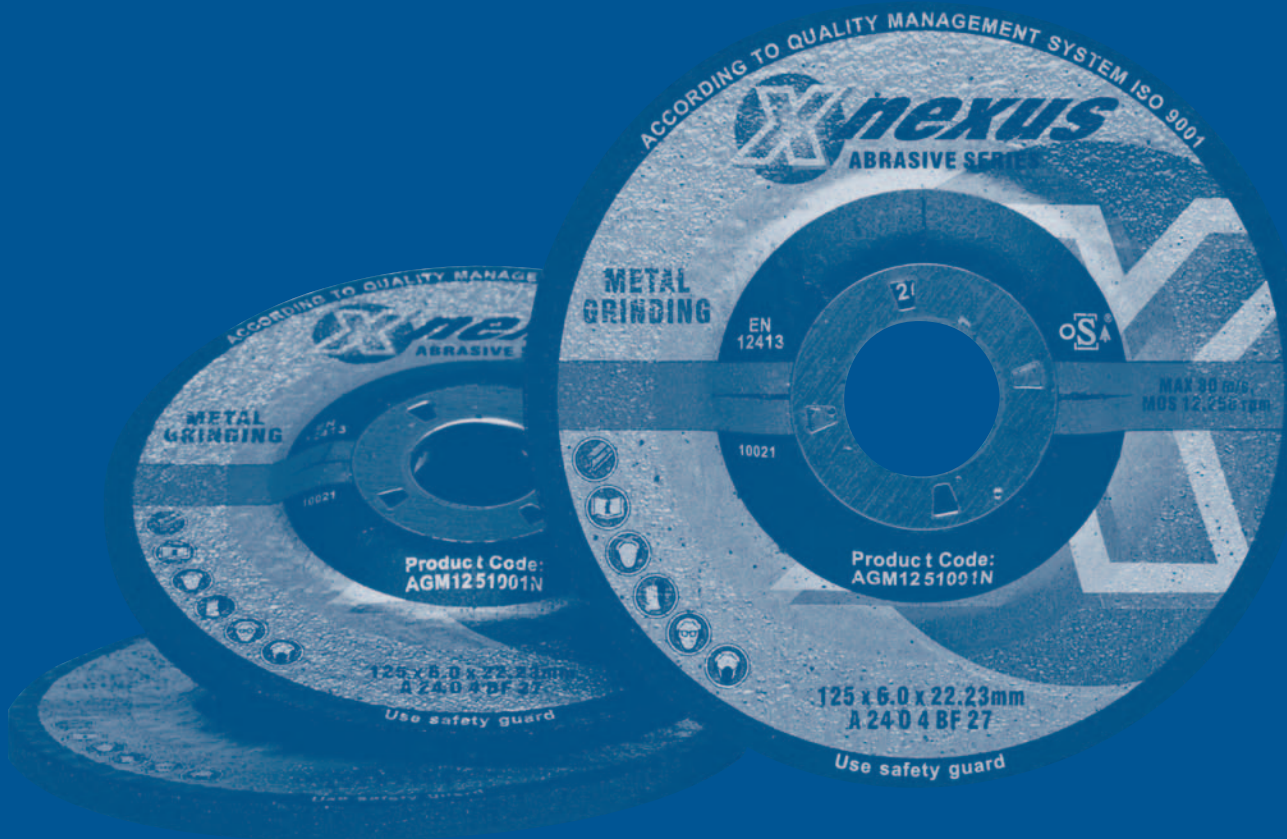
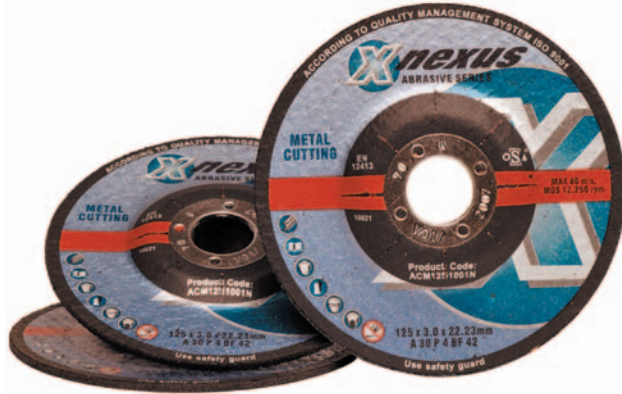


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“Nexus Abrasives offer superior quality at a reasonable price”

Nexus DC Cutting Disc (Box of 25)



Part No.	Description	UOM
NXAB010001	4" (100x2.5x16mm)	Each
NXAB010002	4.5" (115x2.5x22.23mm)	Each
NXAB010003	5" (125x2.5x22.23mm)	Each
NXAB010004	7" (178x3x22.23mm)	Each
NXAB010005	9" (230x3x22.23mm)	Each

Application:

For ferrous metal and steel. In general for solid work pieces, sheet metal, sections, angle, pipe, girders, tie rods, compression members and casting parts. Suitable for contamination free cutting of all stainless and acid resistant steels.

Design:

Depressed centre, flange does not impede cut-off process. Resinoid bond, fibre reinforced, aluminium oxide grit. Free of Fe, S and CL < 0.1%.

Safety:

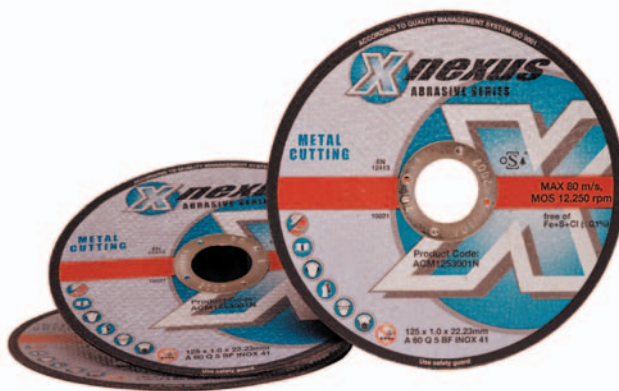
Maximum operating speed $V_s=80\text{m/s}$. Do not use for angled or face grinding. Do not tilt or expose to side load. Guide the disc straight into the cut. Comply with product safety pictograms. Read all safety information available on request in accordance with EN12413.

General:

Nexus DC cutting discs are designed for fast cutting speed and long life. They are suitable for use on a wide variety of metals and alloys, ensuring optimal product safety.

Discs are also available as singles

Nexus Super Thin Inox Cutting Disc (Box of 25)



Part No.	Description	UOM
NXAB030002	4.5" (115x1.6x22.23mm)	Each
NXAB030003	5" (125x1.6x22.23mm)	Each
NXAB040001	4" (100x1x16mm)	Each
NXAB040002	4.5" (115x1x22.23mm)	Each
NXAB040003	5" (125x1x22.23mm)	Each

Application:

For ferrous metal and steel. Cutting: steel plates, steel rods, profiles, steel ropes, cables, pipes, especially for small cross sections and thin sheet plates. Suitable for contamination free cutting of all stainless and acid resistant steels.

Design:

Flat, super thin wall thickness. Resinoid bond, micro fibreglass reinforcement, aluminium oxide grit. Free of Fe, S and CL < 0.1%.

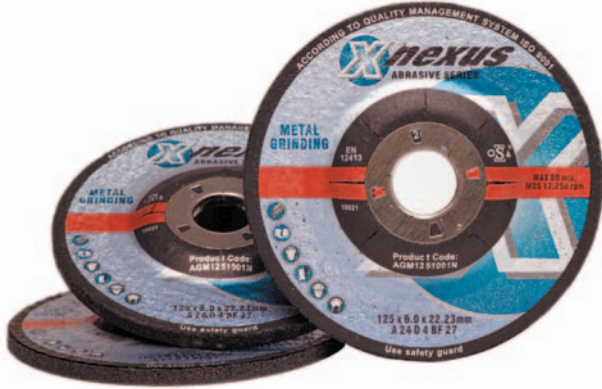
Safety:

Maximum operating speed $V_s=80\text{m/s}$. Do not use for angled or face grinding. Do not tilt or expose to side load. Guide the disc straight into the cut. Comply with product safety pictograms. Read all safety information available on request in accordance with EN12413.

General:

Nexus super thin cutting discs are designed for effortless operation in a wide range of applications. Convincing advantages over conventional thickness discs are: Shorter deburring required after cutting and less stress on the machine and operator.

Nexus DC Grinding Disc (Box of 10)



Part No.	Description	UOM
NXAB020001	4" (100x6x16mm)	Each
NXAB020002	4.5" (115x6x22.23mm)	Each
NXAB020003	5" (125x6x22.23mm)	Each
NXAB020004	7" (178x6x22.23mm)	Each
NXAB020005	9" (230x6x22.23mm)	Each

Application:

For ferrous metal and steel. Grinding of steel weld joints, surface areas, edge bevelling and burr removal. Suitable for contamination free grinding of all stainless and acid resistant steels.

Design:

Depressed centre resinoid bond, fibreglass reinforcement, aluminium oxide grit. Free of Fe, S and CL < 0.1%.

Safety:

Maximum operating speed $V_s=80\text{m/s}$. Optimum grinding angle 20-30 degrees. Comply with product safety pictograms. Read all safety information available on request in accordance with EN12413.

General:

Nexus DC grinding discs are designed for high stock removal and long life. For use on mild carbon steels and castings. This product offers high economic efficiency in metal machining.

Discs are also available as singles

Nexus Flat Cutting Wheel (Box of 10)



Part No.	Description	UOM
NXAB050006	14" (350x2.8x25.4mm)	Each

Application:

For ferrous metal and steel. Cutting: steel rods, pipes, box section, angle and bar.

Design:

Flat, resinoid bond, fibreglass reinforcement, aluminium oxide grit.

Safety:

Maximum operating speed $V_s=80\text{m/s}$. Ensure machine is guarded. Do not apply high pull down pressure. Comply with product safety pictograms. Read all safety information available on request in accordance with EN12413.

General:

Nexus Cutting Wheels are designed for high stock removal and long life. For use on mild carbon steels and castings. This product offers high economic efficiency in metal machining.

Nexus Grinding Wheel Speed Recommendations

R.P.M's and peripheral speeds are dependent upon the external diameter (D) of the grinding wheel.

R.P.M's n per minute min⁻¹ are dependent upon the external diameter (D) of the grinding wheel and the maximum operating speed (Vs)

D in mm	R.P.M's n per minute min ⁻¹ are dependent upon the external diameter (D) of the grinding wheel and the maximum operating speed (Vs)										
	16	20	25	32	35	40	50	63	80	100	125
3											
4	75.300	95.400									
5	61.100	76.300	95.400								
6	50.900	63.600	79.500								
8	38.100	47.700	59.600	76.300	83.500	95.400					
10	30.500	38.100	47.700	61.100	66.800	76.300	95.400				
13	23.500	29.300	36.700	47.000	51.400	58.700	73.400	92.500			
16	19.000	23.800	29.800	38.100	41.700	47.700	59.600	75.200	95.400		
20	15.200	19.000	23.800	30.500	33.400	38.100	47.700	60.100	76.300	95.400	
25	12.200	15.200	19.000	24.400	26.700	30.500	38.100	48.100	61.100	76.300	95.400
32	9.540	11.900	14.900	19.000	20.800	23.800	29.800	37.600	47.700	59.600	74.600
35	8.730	10.900	13.600	17.400	19.000	21.800	27.200	34.300	43.600	54.400	68.200
40	7.630	9.540	11.900	15.200	16.700	19.000	23.800	30.000	38.100	47.700	59.600
50	6.110	7.630	9.540	12.200	13.300	15.200	19.000	24.000	30.500	38.100	47.700
63	4.850	6.060	7.570	9.700	10.600	12.100	15.100	10.000	24.200	30.300	37.800
80	3.810	4.770	5.960	7.630	8.350	9.540	11.900	15.000	19.000	23.800	29.800
100	3.050	3.810	4.770	6.110	6.680	7.630	9.540	12.000	15.200	19.000	23.800
115	2.650	3.320	4.150	5.310	5.810	6.640	8.300	10.400	13.200	16.600	20.700
125	2.440	3.050	3.810	4.880	5.340	6.110	7.630	9.620	12.200	15.200	19.000
150	2.030	2.540	3.180	4.070	4.450	5.090	6.360	8.020	10.100	12.700	15.900
175	1.740	2.180	2.720	3.490	3.810	4.360	5.450	6.870	8.730	10.900	13.600
180	1.690	2.120	2.650	3.390	3.710	4.240	5.300	6.680	8.480	10.600	13.200
200	1.520	1.900	2.380	3.050	3.340	3.810	4.770	6.010	7.630	9.540	11.900
225	1.350	1.690	2.120	2.710	2.970	3.390	4.240	5.340	6.790	8.480	10.600
230	1.320	1.660	2.070	2.650	2.900	3.320	4.150	5.230	6.640	8.300	10.300
250	1.220	1.520	1.900	2.440	2.670	3.050	3.810	4.810	6.110	7.630	9.540
300	1.010	1.270	1.590	2.030	2.220	2.540	3.180	4.010	5.090	6.360	7.950
350	870	1.090	1.360	1.740	1.900	2.180	2.720	3.430	4.360	5.450	6.820
400	760	950	1.190	1.520	1.670	1.900	2.380	3.000	3.810	4.770	5.960
450	670	840	1.060	1.350	1.480	1.690	2.120	2.670	3.390	4.240	5.300
500	610	760	950	1.220	1.330	1.520	1.900	2.400	3.050	3.810	4.770
600	500	630	790	1.010	1.110	1.270	1.590	2.000	2.540	3.180	3.970
700	430	540	680	870	950	1.090	1.360	1.710	2.180	2.720	3.410
750	400	500	630	810	890	1.010	1.270	1.600	2.030	2.540	3.180
800	380	470	590	760	830	950	1.190	1.500	1.900	2.380	2.980
900	330	420	530	670	740	840	1.060	1.330	1.690	2.120	2.650
1000	300	380	470	610	660	760	950	1.200	1.520	1.900	2.380
1060	280	360	450	570	630	720	900	1.130	1.440	1.800	2.250
1250	250	310	390	500	550	630	790	1.000	1.270	1.590	1.980
1500	200	250	310	400	440	500	630	800	1.010	1.270	1.590