

HY-PRO® CARB ALD-HO

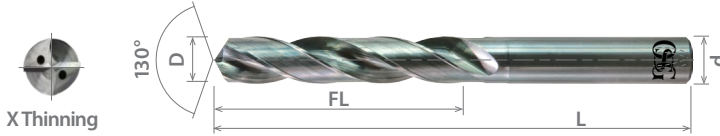
Performance Coolant-Through Carbide Drills for Non-Ferrous Materials

List HP355

HY-PRO CARB ALD-HO-5D

SPEED FEED 12	CARBIDE	BR	2 FLUTE	STUB	30°	SHANK h6	PACKED 1 PIECE
------------------	---------	----	---------	------	-----	-------------	-------------------

Cutting Diameter Tolerance (m7)		
Size (mm)	mm	inch
1 ≤ D ≤ 3	+0.002 / +0.012	+0.0001 / +0.0005
3 < D ≤ 6	+0.004 / +0.016	+0.0002 / +0.0006
6 < D ≤ 10	+0.006 / +0.021	+0.0002 / +0.0008
10 < D ≤ 18	+0.007 / +0.025	+0.0003 / +0.0010



EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)
111503000	●	-	-	-	3.000	0.11811	28.00	66.00	6.00
111503100	●	-	-	-	3.100	0.12205	28.00	66.00	6.00
111503170	●	1/8	-	-	3.170	0.12500	28.00	66.00	6.00
111503200	●	-	-	-	3.200	0.12598	28.00	66.00	6.00
111503300	●	-	-	-	3.300	0.12992	28.00	66.00	6.00
111503400	●	-	-	-	3.400	0.13386	28.00	66.00	6.00
111503500	●	-	-	-	3.500	0.13780	28.00	66.00	6.00
111503570	●	9/64	-	-	3.570	0.14063	28.00	66.00	6.00
111503600	●	-	-	-	3.600	0.14173	28.00	66.00	6.00
111503700	●	-	-	-	3.700	0.14567	28.00	66.00	6.00
111503800	●	-	-	-	3.800	0.14961	36.00	74.00	6.00
111503900	●	-	-	-	3.900	0.15354	36.00	74.00	6.00
111503970	●	5/32	-	-	3.970	0.15625	36.00	74.00	6.00
111504000	●	-	-	-	4.000	0.15748	36.00	74.00	6.00
111504090	●	-	20	-	4.089	0.16100	36.00	74.00	6.00
111504100	●	-	-	-	4.100	0.16142	36.00	74.00	6.00
111504200	●	-	-	-	4.200	0.16535	36.00	74.00	6.00
111504300	●	-	-	-	4.300	0.16929	36.00	74.00	6.00
111504370	●	11/64	-	-	4.370	0.17188	36.00	74.00	6.00
111504400	●	-	-	-	4.400	0.17323	36.00	74.00	6.00
111504500	●	-	-	-	4.500	0.17717	36.00	74.00	6.00
111504600	●	-	-	-	4.600	0.18110	36.00	74.00	6.00
111504650	●	-	-	-	4.650	0.18307	36.00	74.00	6.00
111504700	○	-	-	-	4.700	0.18504	36.00	74.00	6.00
111504760	●	3/16	-	-	4.760	0.18750	44.00	82.00	6.00
111504800	●	-	-	-	4.800	0.18898	44.00	82.00	6.00
111504900	●	-	-	-	4.900	0.19291	44.00	82.00	6.00
111505000	●	-	-	-	5.000	0.19685	44.00	82.00	6.00
111505100	●	-	-	-	5.100	0.20079	44.00	82.00	6.00
111505160	●	13/64	-	-	5.160	0.20313	44.00	82.00	6.00
111505200	●	-	-	-	5.200	0.20472	44.00	82.00	6.00
111505300	●	-	-	-	5.300	0.20866	44.00	82.00	6.00
111505400	●	-	-	-	5.400	0.21260	44.00	82.00	6.00
111505410	●	-	3	-	5.410	0.21300	44.00	82.00	6.00
111505500	●	-	-	-	5.500	0.21654	44.00	82.00	6.00
111505560	●	7/32	-	-	5.560	0.21875	44.00	82.00	6.00
111505600	●	-	-	-	5.600	0.22047	44.00	82.00	6.00
111505700	○	-	-	-	5.700	0.22441	44.00	82.00	6.00
111505800	●	-	-	-	5.800	0.22835	44.00	82.00	6.00
111505900	●	-	-	-	5.900	0.23228	44.00	82.00	6.00
111505950	●	15/64	-	-	5.950	0.23438	44.00	82.00	6.00
111506000	●	-	-	-	6.000	0.23622	44.00	82.00	6.00
111506100	●	-	-	-	6.100	0.24016	53.00	91.00	8.00
111506200	●	-	-	-	6.200	0.24409	53.00	91.00	8.00
111506300	●	-	-	-	6.300	0.24803	53.00	91.00	8.00
111506350	●	1/4	-	E	6.350	0.25000	53.00	91.00	8.00
111506400	●	-	-	-	6.400	0.25197	53.00	91.00	8.00
111506500	●	-	-	-	6.500	0.25591	53.00	91.00	8.00
111506530	●	-	-	F	6.528	0.25700	53.00	91.00	8.00
111506600	●	-	-	-	6.600	0.25984	53.00	91.00	8.00
111506700	●	-	-	-	6.700	0.26378	53.00	91.00	8.00
111506750	●	17/64	-	-	6.750	0.26563	53.00	91.00	8.00
111506800	●	-	-	-	6.800	0.26772	53.00	91.00	8.00
111506900	●	-	-	-	6.900	0.27165	53.00	91.00	8.00
111507000	●	-	-	-	7.000	0.27559	53.00	91.00	8.00
111507100	●	-	-	-	7.100	0.27953	53.00	91.00	8.00

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



HY-PRO® CARB ALD-HO

Performance Coolant-Through Carbide Drills for Non-Ferrous Materials

List HP355 (Continued)

HY-PRO CARB ALD-HO-5D

SPEED FEED 12	CARBIDE	BR		2 FLUTE	STUB	30°	SHANK h6	PACKED 1 PIECE
-------------------------	----------------	-----------	--	----------------	-------------	------------	--------------------	--------------------------

EDP Number		Diameter (D)					Flute Length FL (mm)	Overall Length L (mm)	Shank Diameter d (mm)
		Fractional Size	Wire Gage	Letter Size	mm	Inch			
111507140	●	9/32	-	-	7.140	0.28125	53.00	91.00	8.00
111507200	●	-	-	-	7.200	0.28346	53.00	91.00	8.00
111507300	●	-	-	-	7.300	0.28740	53.00	91.00	8.00
111507400	●	-	-	-	7.400	0.29134	53.00	91.00	8.00
111507500	●	-	-	-	7.500	0.29528	53.00	91.00	8.00
111507540	●	19/64	-	-	7.540	0.29688	53.00	91.00	8.00
111507600	●	-	-	-	7.600	0.29921	53.00	91.00	8.00
111507700	○	-	-	-	7.700	0.30315	53.00	91.00	8.00
111507800	●	-	-	-	7.800	0.30709	53.00	91.00	8.00
111507900	●	-	-	-	7.900	0.31102	53.00	91.00	8.00
111507940	●	5/16	-	-	7.940	0.31250	53.00	91.00	8.00
111508000	●	-	-	-	8.000	0.31496	53.00	91.00	8.00
111508100	●	-	-	-	8.100	0.31890	61.00	103.00	10.00
111508200	●	-	-	-	8.200	0.32283	61.00	103.00	10.00
111508300	●	-	-	-	8.300	0.32677	61.00	103.00	10.00
111508330	●	21/64	-	-	8.330	0.32813	61.00	103.00	10.00
111508400	●	-	-	-	8.400	0.33071	61.00	103.00	10.00
111508430	●	-	-	Q	8.433	0.33200	61.00	103.00	10.00
111508500	●	-	-	-	8.500	0.33465	61.00	103.00	10.00
111508600	●	-	-	-	8.600	0.33858	61.00	103.00	10.00
111508700	●	-	-	-	8.700	0.34252	61.00	103.00	10.00
111508730	●	11/32	-	-	8.730	0.34375	61.00	103.00	10.00
111508800	●	-	-	-	8.800	0.34646	61.00	103.00	10.00
111508900	○	-	-	-	8.900	0.35039	61.00	103.00	10.00
111509000	●	-	-	-	9.000	0.35433	61.00	103.00	10.00
111509100	○	-	-	-	9.100	0.35827	61.00	103.00	10.00
111509130	●	23/64	-	-	9.130	0.35938	61.00	103.00	10.00
111509200	○	-	-	-	9.200	0.36220	61.00	103.00	10.00
111509250	●	-	-	-	9.250	0.36417	61.00	103.00	10.00
111509300	●	-	-	-	9.300	0.36614	61.00	103.00	10.00
111509400	●	-	-	-	9.400	0.37008	61.00	103.00	10.00
111509500	●	-	-	-	9.500	0.37402	61.00	103.00	10.00
111509520	●	3/8	-	-	9.520	0.37500	61.00	103.00	10.00
111509600	●	-	-	-	9.600	0.37795	61.00	103.00	10.00
111509700	●	-	-	-	9.700	0.38189	61.00	103.00	10.00
111509800	○	-	-	-	9.800	0.38583	61.00	103.00	10.00
111509900	○	-	-	-	9.900	0.38976	61.00	103.00	10.00
111509920	○	25/64	-	-	9.920	0.39063	61.00	103.00	10.00
111510000	●	-	-	-	10.000	0.39370	61.00	103.00	10.00
111510100	○	-	-	-	10.100	0.39764	71.00	118.00	12.00
111510200	○	-	-	-	10.200	0.40157	71.00	118.00	12.00
111510300	○	-	-	-	10.300	0.40551	71.00	118.00	12.00
111510320	●	13/32	-	-	10.320	0.40625	71.00	118.00	12.00
111510400	●	-	-	-	10.400	0.40945	71.00	118.00	12.00
111510500	●	-	-	-	10.500	0.41339	71.00	118.00	12.00
111510600	○	-	-	-	10.600	0.41732	71.00	118.00	12.00
111510700	●	-	-	-	10.700	0.42126	71.00	118.00	12.00
111510720	●	27/64	-	-	10.720	0.42188	71.00	118.00	12.00
111510800	○	-	-	-	10.800	0.42520	71.00	118.00	12.00
111510900	○	-	-	-	10.900	0.42913	71.00	118.00	12.00
111511000	●	-	-	-	11.000	0.43307	71.00	118.00	12.00
111511100	●	-	-	-	11.100	0.43701	71.00	118.00	12.00
111511110	●	7/16	-	-	11.110	0.43750	71.00	118.00	12.00

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



CONTINUED ➔

P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel	300	400	17-4 PH		Aluminum		Nickel Alloy	Titanium				
Low	Medium	High							6061	Casting			Inconel	6Al4V	~35 HRC	35-45 HRC
1010	1035	1065	4140	4340				6061	7075		6Al4V	(30 HRC)				
1018	1045							⊙	⊙							

○ Good ⊙ Best



HY-PRO® CARB ALD-HO

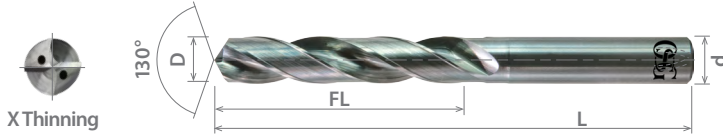
Performance Coolant-Through Carbide Drills for Non-Ferrous Materials

List HP355 (Continued)

HY-PRO CARB ALD-HO-5D

SPEED FEED 12	CARBIDE	BR			STUB	30°	SHANK h6	PACKED 1 PIECE
------------------	---------	----	--	--	------	-----	-------------	-------------------

Cutting Diameter Tolerance (m7)		
Size (mm)	mm	inch
1 ≤ D ≤ 3	+0.002 / +0.012	+0.0001 / +0.0005
3 < D ≤ 6	+0.004 / +0.016	+0.0002 / +0.0006
6 < D ≤ 10	+0.006 / +0.021	+0.0002 / +0.0008
10 < D ≤ 18	+0.007 / +0.025	+0.0003 / +0.0010



EDP Number		Diameter (D)					Flute Length	Overall Length	Shank Diameter
		Fractional Size	Wire Gage	Letter Size	mm	Inch	FL (mm)	L (mm)	d (mm)
111511200	●	-	-	-	11.200	0.44094	71.00	118.00	12.00
111511300	○	-	-	-	11.300	0.44488	71.00	118.00	12.00
111511400	●	-	-	-	11.400	0.44882	71.00	118.00	12.00
111511500	●	-	-	-	11.500	0.45276	71.00	118.00	12.00
111511510	●	29/64	-	-	11.510	0.45313	71.00	118.00	12.00
111511600	○	-	-	-	11.600	0.45669	71.00	118.00	12.00
111511700	○	-	-	-	11.700	0.46063	71.00	118.00	12.00
111511800	●	-	-	-	11.800	0.46457	71.00	118.00	12.00
111511900	○	-	-	-	11.900	0.46850	71.00	118.00	12.00
111511910	○	15/32	-	-	11.910	0.46875	71.00	118.00	12.00
111512000	●	-	-	-	12.000	0.47244	71.00	118.00	12.00
111512100	○	-	-	-	12.100	0.47638	77.00	124.00	14.00
111512200	○	-	-	-	12.200	0.48031	77.00	124.00	14.00
111512300	○	31/64	-	-	12.300	0.48438	77.00	124.00	14.00
111512400	○	-	-	-	12.400	0.48819	77.00	124.00	14.00
111512500	●	-	-	-	12.500	0.49213	77.00	124.00	14.00
111512600	○	-	-	-	12.600	0.49606	77.00	124.00	14.00
111512700	●	1/2	-	-	12.700	0.50000	77.00	124.00	14.00

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



P					M			K	N		S		H					
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel					
Carbon Steel			Alloy Steel	Die Steel					Aluminum	Nickel Alloy	Titanium							
Low	Medium	High			300	400	17-4 PH					6061 7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC
1010	1035	1065	4140	4340														
1018	1045								⊙	⊙								

○ Good ⊙ Best

