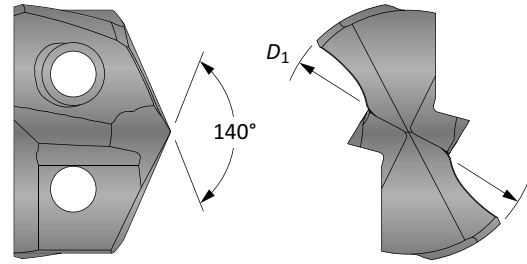
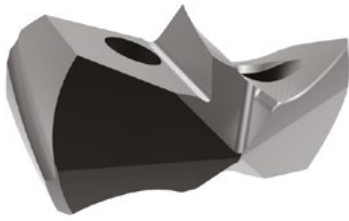







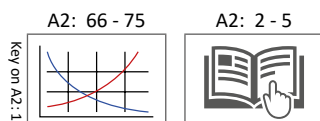
GEN3SYS®XT Pro Drill Inserts

12 Series | Diameter Range: 12.00mm - 12.99mm (0.4724" - 0.5117")



Insert			 Part No.	 Part No.	 Part No.
D_1 mm	D_1 inch	Fractional Equivalent	P	K	N
12.00	0.4724	-	XTP12-12.00	XTK12-12.00	XTN12-12.00
12.10	0.4764	-	XTP12-12.10	XTK12-12.10	XTN12-12.10
12.20	0.4803	-	XTP12-12.20	XTK12-12.20	XTN12-12.20
12.30	0.4844	31/64	XTP12-12.30	XTK12-12.30	XTN12-12.30
12.40	0.4882	-	XTP12-12.40	XTK12-12.40	XTN12-12.40
12.50	0.4921	-	XTP12-12.50	XTK12-12.50	XTN12-12.50
12.60	0.4961	-	XTP12-12.60	XTK12-12.60	XTN12-12.60
12.70	0.5000	1/2	XTP12-12.70	XTK12-12.70	XTN12-12.70
12.80	0.5039	-	XTP12-12.80	XTK12-12.80	XTN12-12.80
12.90	0.5079	-	XTP12-12.90	XTK12-12.90	XTN12-12.90

Inserts sold in multiples of 1



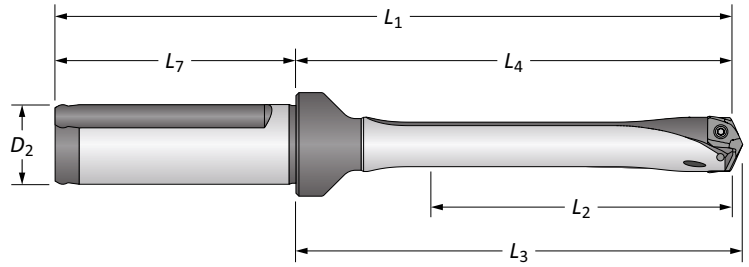
Sizes not shown are available upon request.







When ordering, please follow the example below:

Metric:	13.16mm, Steel, 13 series = use Part No. XTP13-13.16
Imperial:	0.5180", Steel, 13 series = use Part No. XTP13-13.16






GEN3SYS®XT Pro Drill Insert Holders

12 Series | Diameter Range: 12.00mm - 12.99mm (0.4724" - 0.5117")



Flute	Body					Shank			Part No.
	Length	L ₂	L ₄	L ₃	L ₁	L ₇	D ₂	Flat	
 Straight	3xD	39.0	66.6	68.8	116.6	50.0	20.0	YES	HXT0312S-20FM
	3xD	39.0	66.6	68.8	116.6	50.0	20.0	NO	HXT0312S-20CM
	5xD	65.0	92.5	94.8	142.6	50.0	20.0	YES	HXT0512S-20FM
	5xD	65.0	92.5	94.8	142.6	50.0	20.0	NO	HXT0512S-20CM
	7xD	91.0	118.5	120.8	168.5	50.0	20.0	YES	HXT0712S-20FM
	7xD	91.0	118.5	120.8	168.5	50.0	20.0	NO	HXT0712S-20CM
	10xD	129.9	157.5	159.7	207.5	50.0	20.0	YES	 HXT1012S-20FM
10xD	129.9	157.5	159.7	207.5	50.0	20.0	NO	 HXT1012S-20CM	
 Straight	3xD	1-17/32	2-5/8	2-45/64	4-21/32	2-1/32	3/4	YES	HXT0312S-075F
	3xD	1-17/32	2-5/8	2-45/64	4-21/32	2-1/32	3/4	NO	HXT0312S-075C
	5xD	2-9/16	3-41/64	3-47/64	5-43/64	2-1/32	3/4	YES	HXT0512S-075F
	5xD	2-9/16	3-41/64	3-47/64	5-43/64	2-1/32	3/4	NO	HXT0512S-075C
	7xD	3-37/64	4-21/32	4-3/4	6-11/16	2-1/32	3/4	YES	HXT0712S-075F
	7xD	3-37/64	4-21/32	4-3/4	6-11/16	2-1/32	3/4	NO	HXT0712S-075C
	10xD	5-7/64	6-13/64	6-9/32	8-15/64	2-1/32	3/4	YES	 HXT1012S-075F
10xD	5-7/64	6-13/64	6-9/32	8-15/64	2-1/32	3/4	NO	 HXT1012S-075C	

Connection Accessories


					Admissible Tightening Torque*
7247-IP7-1	7247N-IP7-1	8IP-7	8IP-7TL	8IP-7B	

*Tightening torques are calculated with a friction coefficient of $\mu = 0.14$ and develop 90% of ultimate yield strength

 = Metric (mm)

 = Imperial (in)

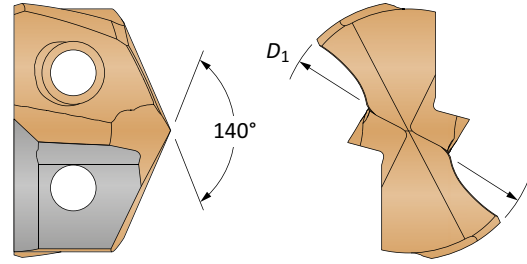
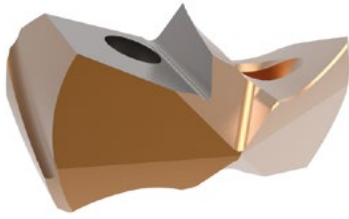
Screws sold in multiples of 10

 **WARNING** Refer to Speed and Feed charts for recommended adjustments to speeds and feeds. Refer to page A2: 65 for deep hole drilling guidelines in this section of the catalogue. Visit www.alliedmachine.com for the most up-to-date information and procedures. Factory technical assistance is available for your specific applications through our Application Engineering Team.



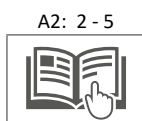
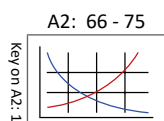
GEN3SYS®XT Drill Inserts

12 Series | Diameter Range: 12.00mm - 12.99mm (0.4724" - 0.5117")



Carbide Substrate	Insert			Standard Part No.	Low Rake Part No.	Cast Iron Part No.	Stainless Part No.
	D ₁ mm	D ₁ inch	Fractional Equivalent				
K35 (C1)	12.00	0.4724	–	7C112P-12	7C112P-12LR	–	–
	12.30	0.4844	31/64	7C112P-.484	7C112P-.484LR	–	–
	12.50	0.4921	–	7C112P-12.5	7C112P-12.5LR	–	–
	12.60	0.4961	–	7C112P-12.6	–	–	–
	12.70	0.5000	1/2	7C112P-0016	7C112P-0016LR	–	–
	12.80	0.5039	–	7C112P-12.8	–	–	–
K20 (C2)	12.00	0.4724	–	7C212P-12	7C212P-12LR	7C212P-12CI	7C212P-12AS
	12.30	0.4844	31/64	7C212P-.484	7C212P-.484LR	7C212P-.484CI	7C212P-.484AS
	12.50	0.4921	–	7C212P-12.5	7C212P-12.5LR	7C212P-12.5CI	7C212P-12.5AS
	12.60	0.4961	–	7C212P-12.6	–	–	–
	12.70	0.5000	1/2	7C212P-0016	7C212P-0016LR	7C212P-0016CI	7C212P-0016AS
	12.80	0.5039	–	7C212P-12.8	–	–	–

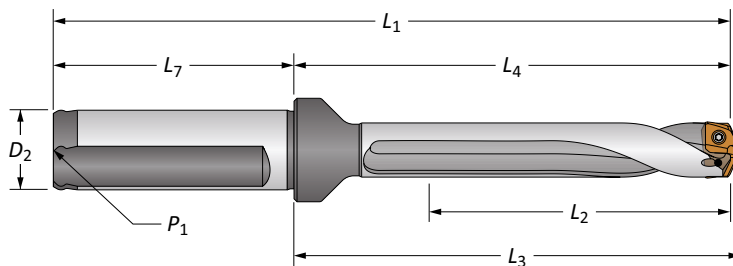
Inserts sold in multiples of 1



Sizes not shown are available upon request.	
When ordering, please follow the example below:	
Metric:	13.16mm, Steel, 13 series = use Part No. XTP13-13.16
Imperial:	0.5180", Steel, 13 series = use Part No. XTP13-13.16

GEN3SYS®XT Standard Drill Insert Holders

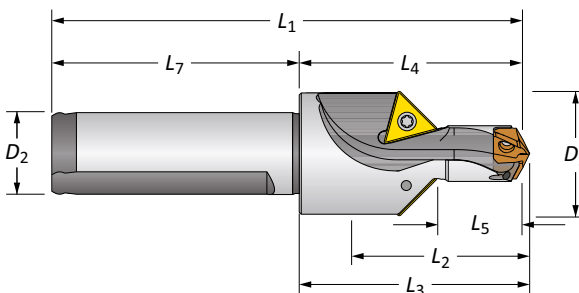
12 Series | Diameter Range: 12.00mm - 12.99mm (0.4724" - 0.5117")



Straight and Helical

Flute	Length	Body					Shank				Flat	Part No.
		L ₂	L ₄	L ₃	L ₁	L ₇	D ₂	P ₁				
	3xD	39.0	66.6	68.8	116.6	50.0	20.0	1/8*	YES	60312S-20FM		
	5xD	65.0	92.6	94.8	142.6	50.0	20.0	1/8*	YES			
	7xD	91.0	118.5	120.8	168.5	50.0	20.0	1/8*	YES			
	Stub	16.0	43.2	45.4	93.2	50.0	20.0	1/8*	YES	60112H-20FM		
	3xD	39.0	66.6	68.8	116.6	50.0	20.0	1/8*	YES	60312H-20FM		
	3xD	39.0	66.6	68.8	116.6	50.0	20.0	1/8*	NO	60312H-20CM		
	5xD	65.0	92.6	94.8	142.6	50.0	20.0	1/8*	YES	60512H-20FM		
	5xD	65.0	92.6	94.8	142.6	50.0	20.0	1/8*	NO	60512H-20CM		
	7xD	91.0	118.5	120.8	168.5	50.0	20.0	1/8*	YES	60712H-20FM		
	7xD	91.0	118.5	120.8	168.5	50.0	20.0	1/8*	NO	60712H-20CM		
	3xD	1-17/32	2-5/8	2-45/64	4-21/32	2-1/32	3/4	1/8	YES	60312S-075F		
	5xD	2-9/16	3-41/64	3-47/64	5-43/64	2-1/32	3/4	1/8	YES	60512S-075F		
	7xD	3-37/64	4-21/32	4-3/4	6-11/16	2-1/32	3/4	1/8	YES	60712S-075F		
	Stub	5/8	1-45/64	1-25/32	3-47/64	2-1/32	3/4	1/8	YES	60112H-075F		
	3xD	1-17/32	2-5/8	2-45/64	4-21/32	2-1/32	3/4	1/8	YES	60312H-075F		
	3xD	1-17/32	2-5/8	2-45/64	4-21/32	2-1/32	3/4	1/8	NO	60312H-075C		
	5xD	2-9/16	3-41/64	3-47/64	5-43/64	2-1/32	3/4	1/8	YES	60512H-075F		
	5xD	2-9/16	3-41/64	3-47/64	5-43/64	2-1/32	3/4	1/8	NO	60512H-075C		
	7xD	3-37/64	4-21/32	4-3/4	6-11/16	2-1/32	3/4	1/8	YES	60712H-075F		
	7xD	3-37/64	4-21/32	4-3/4	6-11/16	2-1/32	3/4	1/8	NO	60712H-075C		

*Thread to BSP and ISO 7-1



Drill / Chamfer

	Step		Body				Shank		Part No.	Chamfer Insert
	D ₅	L ₅	L ₂	L ₄	L ₃	L ₁	L ₇	D ₂		
	24.8	18.0	35.2	43.2	45.4	93.2	50.0	20.0	60112C45-20FM	TCMT-110204
	31/32	45/64	63/64	1-45/64	1-25/32	3-47/64	2-1/32	3/4	60112C45-075F	TCMT-110204

Connection Accessories

Insert Screws	Nylon Locking Screws	Insert Driver	Preset Torque Hand Driver	Replacement Tips	Admissible Tightening Torque*
7247-IP7-1	7247N-IP7-1	8IP-7	8IP-7TL	8IP-7B	84 N-cm (7.4 in-lbs)

*Tightening torques are calculated with a friction coefficient of $\mu = 0.14$ and develop 90% of ultimate yield strength

Chamfer inserts sold separately in multiples of 10 | Screws sold in multiples of 10

= Metric (mm)
 = Imperial (in)