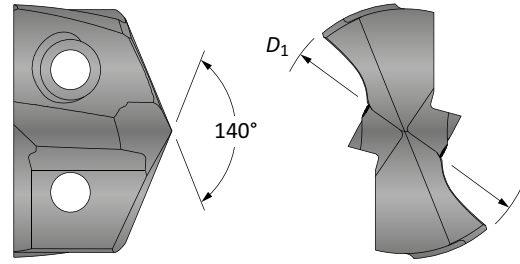
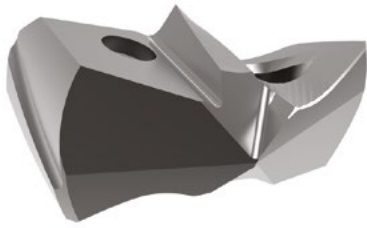







GEN3SYS® XT Pro Drill Inserts

16 Series | Diameter Range: 16.00mm - 16.99mm (0.6299" - 0.6692")



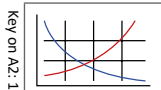
Insert					
D_1 mm	D_1 inch	Fractional Equivalent	Part No. P	Part No. K	Part No. N
16.00	0.6299	–	XTP16-16.00	XTK16-16.00	XTN16-16.00
16.08	0.6331	–	XTP16-16.08	XTK16-16.08	XTN16-16.08
16.20	0.6378	–	XTP16-16.20	XTK16-16.20	XTN16-16.20
16.27	0.6406	41/64	XTP16-16.27	XTK16-16.27	XTN16-16.27
16.40	0.6457	–	XTP16-16.40	XTK16-16.40	XTN16-16.40
16.50	0.6496	–	XTP16-16.50	XTK16-16.50	XTN16-16.50
16.60	0.6535	–	XTP16-16.60	XTK16-16.60	XTN16-16.60
16.67	0.6563	21/32	XTP16-16.67	XTK16-16.67	XTN16-16.67
16.80	0.6614	–	XTP16-16.80	XTK16-16.80	XTN16-16.80
16.90	0.6654	–	XTP16-16.90	XTK16-16.90	XTN16-16.90

Inserts sold in multiples of 1

A
DRILLINGB
BORINGC
REAMINGD
BURNISHINGE
THREADINGX
SPECIALS

A2: 66 - 75

A2: 2 - 5

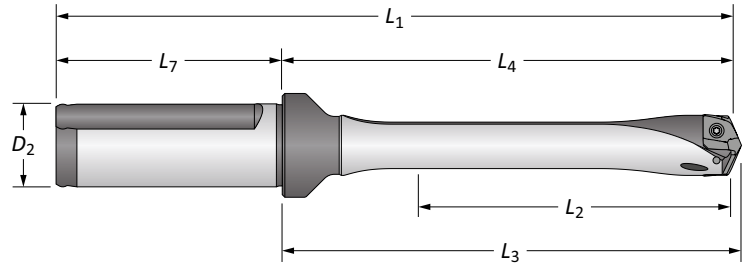








Sizes not shown are available upon request.
When ordering, please follow the example below:

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




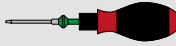

GEN3SYS®XT Pro Drill Insert Holders

16 Series | Diameter Range: 16.00mm - 16.99mm (0.6299" - 0.6692")




Flute	Body					Shank			Part No.
	Length	L ₂	L ₄	L ₃	L ₁	L ₇	D ₂	Flat	
 Straight	3xD	51.0	81.3	84.2	131.3	50.0	20.0	YES	HXT0316S-20FM
	3xD	51.0	81.3	84.2	131.3	50.0	20.0	NO	HXT0316S-20CM
	5xD	85.0	115.3	118.2	165.3	50.0	20.0	YES	HXT0516S-20FM
	5xD	85.0	115.3	118.2	165.3	50.0	20.0	NO	HXT0516S-20CM
	7xD	119.0	149.3	152.2	199.3	50.0	20.0	YES	HXT0716S-20FM
	7xD	119.0	149.3	152.2	199.3	50.0	20.0	NO	HXT0716S-20CM
	10xD	169.9	200.0	203.2	250.0	50.0	20.0	YES	 HXT1016S-20FM
	10xD	169.9	200.0	203.2	250.0	50.0	20.0	NO	 HXT1016S-20CM
 Straight	3xD	2	3-13/64	3-5/16	5-15/64	2-1/32	3/4	YES	HXT0316S-075F
	3xD	2	3-13/64	3-5/16	5-15/64	2-1/32	3/4	NO	HXT0316S-075C
	5xD	3-11/32	4-17/32	4-21/32	6-9/16	2-1/32	3/4	YES	HXT0516S-075F
	5xD	3-11/32	4-17/32	4-21/32	6-9/16	2-1/32	3/4	NO	HXT0516S-075C
	7xD	4-11/16	5-7/8	5-63/64	7-29/32	2-1/32	3/4	YES	HXT0716S-075F
	7xD	4-11/16	5-7/8	5-63/64	7-29/32	2-1/32	3/4	NO	HXT0716S-075C
	10xD	6-11/16	7-7/8	8	9-29/32	2-1/32	3/4	YES	 HXT1016S-075F
	10xD	6-11/16	7-7/8	8	9-29/32	2-1/32	3/4	NO	 HXT1016S-075C

Connection Accessories


					Admissible Tightening Torque*
72556-IP8-1	72556N-IP8-1	8IP-8	8IP-8TL	8IP-8B	

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

 = Metric (mm)

 = Imperial (in)

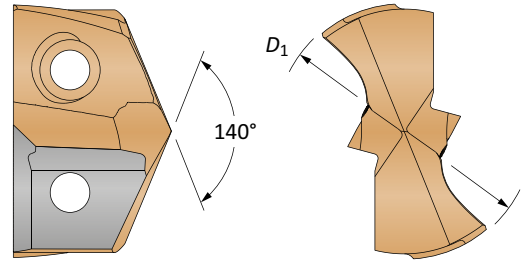
Screws sold in multiples of 10

 **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

16 Series | Diameter Range: 16.00mm - 16.99mm (0.6299" - 0.6692")



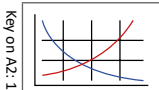
Carbide Substrate	Insert			Standard Part No.	Low Rake Part No.	Cast Iron Part No.	Stainless Part No.
	D_1 mm	D_1 inch	Fractional Equivalent				
K35 (C1)	16.00	0.6299	–	7C116P-16	7C116P-16LR	–	–
	16.08	0.6331	–	7C116P-16.08	7C116P-16.08LR	–	–
	16.27	0.6406	41/64	7C116P-.640	7C116P-.640LR	–	–
	16.50	0.6496	–	7C116P-16.5	7C116P-16.5LR	–	–
	16.67	0.6563	21/32	7C116P-0021	7C116P-0021LR	–	–
K20 (C2)	16.00	0.6299	–	7C216P-16	7C216P-16LR	7C216P-16CI	7C216P-16AS
	16.08	0.6331	–	7C216P-16.08	7C216P-16.08LR	7C216P-16.08CI	7C216P-16.08AS
	16.27	0.6406	41/64	7C216P-.640	7C216P-.640LR	7C216P-.640CI	7C216P-.640AS
	16.50	0.6496	–	7C216P-16.5	7C216P-16.5LR	7C216P-16.5CI	7C216P-16.5AS
	16.67	0.6563	21/32	7C216P-0021	7C216P-0021LR	7C216P-0021CI	7C216P-0021AS

Inserts sold in multiples of 1

A
DRILLINGB
BORINGC
REAMINGD
BURNISHINGE
THREADINGX
SPECIALS

A2: 66 - 75

A2: 2 - 5



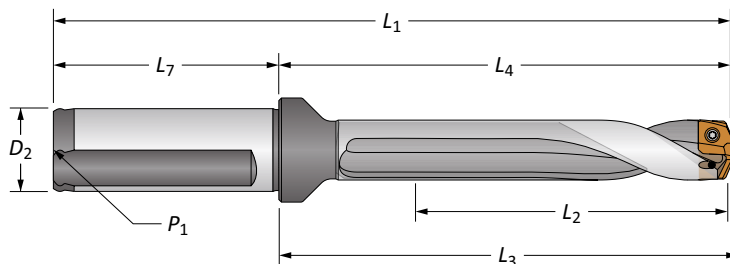
Sizes not shown are available upon request.

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

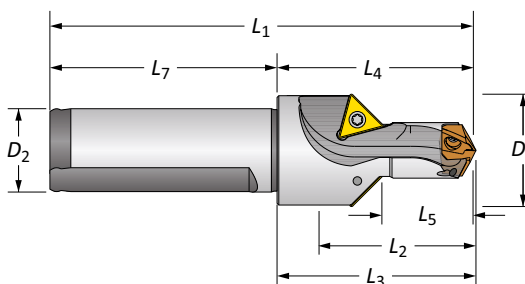
16 Series | Diameter Range: 16.00mm - 16.99mm (0.6299" - 0.6692")



Straight and Helical

Flute	Body						Shank				Part No.
	Length	L ₂	L ₄	L ₃	L ₁	L ₇	D ₂	P ₁	Flat		
Straight	3xD	51.0	81.3	84.2	131.3	50.0	20.0	1/8*	YES	60316S-20FM	
	5xD	85.0	115.3	118.2	165.3	50.0	20.0	1/8*	YES	60516S-20FM	
	7xD	119.0	149.3	152.2	199.3	50.0	20.0	1/8*	YES	60716S-20FM	
Helical	Stub	21.0	50.8	53.7	100.8	50.0	20.0	1/8*	YES	60116H-20FM	
	3xD	51.0	81.3	84.2	131.3	50.0	20.0	1/8*	YES	60316H-20FM	
	3xD	51.0	81.3	84.2	131.3	50.0	20.0	1/8*	NO	60316H-20CM	
	5xD	85.0	115.3	118.2	165.3	50.0	20.0	1/8*	YES	60516H-20FM	
	5xD	85.0	115.3	118.2	165.3	50.0	20.0	1/8*	NO	60516H-20CM	
	7xD	119.0	149.3	152.2	199.3	50.0	20.0	1/8*	YES	60716H-20FM	
	7xD	119.0	149.3	152.2	199.3	50.0	20.0	1/8*	NO	60716H-20CM	
Straight	3xD	2	3-13/64	3-5/16	5-15/64	2-1/32	3/4	1/8	YES	60316S-075F	
	5xD	3-11/32	4-17/32	4-21/32	6-9/16	2-1/32	3/4	1/8	YES	60516S-075F	
	7xD	4-11/16	5-7/8	5-63/64	7-29/32	2-1/32	3/4	1/8	YES	60716S-075F	
	Stub	13/16	2	2-7/64	4-1/32	2-1/32	3/4	1/8	YES	60116H-075F	
	3xD	2	3-13/64	3-5/16	5-15/64	2-1/32	3/4	1/8	YES	60316H-075F	
	3xD	2	3-13/64	3-5/16	5-15/64	2-1/32	3/4	1/8	NO	60316H-075C	
	5xD	3-11/32	4-17/32	4-21/32	6-9/16	2-1/32	3/4	1/8	YES	60516H-075F	
	5xD	3-11/32	4-17/32	4-21/32	6-9/16	2-1/32	3/4	1/8	NO	60516H-075C	
	7xD	4-11/16	5-7/8	5-63/64	7-29/32	2-1/32	3/4	1/8	YES	60716H-075F	
	7xD	4-11/16	5-7/8	5-63/64	7-29/32	2-1/32	3/4	1/8	NO	60716H-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		
m	27.0	24.0	33.1	50.8	53.7	100.8	50.0	20.0	60116C45-20FM	TCMT-110204
i	1-1/16	61/64	1-19/64	2	2-7/64	4-1/32	2-1/32	3/4	60116C45-075F	TCMT-110204

Connection Accessories

					Admissible Tightening Torque*
Insert Screws	Nylon Locking Screws	Insert Driver	Preset Torque Hand Driver	Replacement Tips	
72556-IP8-1	72556N-IP8-1	8IP-8	8IP-8TL	8IP-8B	175 N-cm (15.5 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 **m** = Metric (mm) **i** = Imperial (in)