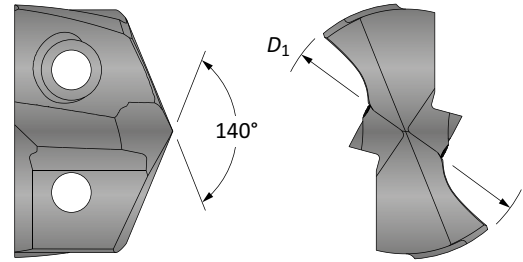
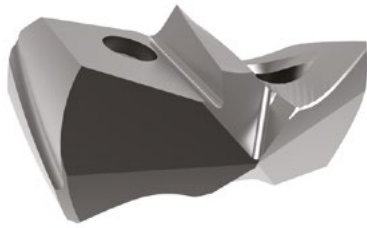







## GEN3SYS®XT Pro Drill Inserts

14 Series | Diameter Range: 14.00mm - 14.99mm (0.5512" - 0.5905")



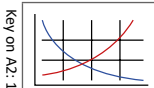
Insert					
$D_1$ mm	$D_1$ inch	Fractional Equivalent	Part No. <b>P</b>	Part No. <b>K</b>	Part No. <b>N</b>
14.00	0.5512	–	XTP14-14.00	XTK14-14.00	XTN14-14.00
14.10	0.5551	–	XTP14-14.10	XTK14-14.10	XTN14-14.10
14.20	0.5591	–	XTP14-14.20	XTK14-14.20	XTN14-14.20
14.29	0.5625	9/16	XTP14-14.29	XTK14-14.29	XTN14-14.29
14.40	0.5669	–	XTP14-14.40	XTK14-14.40	XTN14-14.40
14.50	0.5709	–	XTP14-14.50	XTK14-14.50	XTN14-14.50
14.60	0.5748	–	XTP14-14.60	XTK14-14.60	XTN14-14.60
14.68	0.5781	13/64	XTP14-14.68	XTK14-14.68	XTN14-14.68
14.80	0.5827	–	XTP14-14.80	XTK14-14.80	XTN14-14.80
14.90	0.5866	–	XTP14-14.90	XTK14-14.90	XTN14-14.90

Inserts sold in multiples of 1

A  
DRILLINGB  
BORINGC  
REAMINGD  
BURNISHINGE  
THREADINGX  
SPECIALS

A2: 66 - 75

A2: 2 - 5



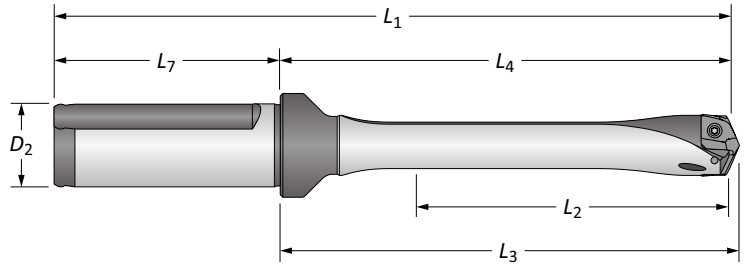
Sizes not shown are available upon request.







When ordering, please follow the example below:

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






### GEN3SYS®XT Pro Drill Insert Holders

14 Series | Diameter Range: 14.00mm - 14.99mm (0.5512" - 0.5905")




Flute	Body					Shank			Part No.
	Length	L <sub>2</sub>	L <sub>4</sub>	L <sub>3</sub>	L <sub>1</sub>	L <sub>7</sub>	D <sub>2</sub>	Flat	
 Straight	3xD	45.0	72.4	75.0	122.4	50.0	20.0	YES	HXT0314S-20FM
	3xD	45.0	72.4	75.0	122.4	50.0	20.0	NO	HXT0314S-20CM
	5xD	75.0	102.4	104.9	152.4	50.0	20.0	YES	HXT0514S-20FM
	5xD	75.0	102.4	104.9	152.4	50.0	20.0	NO	HXT0514S-20CM
	7xD	105.0	132.4	134.9	182.4	50.0	20.0	YES	HXT0714S-20FM
	7xD	105.0	132.4	134.9	182.4	50.0	20.0	NO	HXT0714S-20CM
	10xD	149.9	177.4	179.8	227.4	50.0	20.0	YES	 HXT1014S-20FM
	10xD	149.9	177.4	179.8	227.4	50.0	20.0	NO	 HXT1014S-20CM
 Straight	3xD	1-49/64	2-27/32	2-61/64	4-7/8	2-1/32	3/4	YES	HXT0314S-075F
	3xD	1-49/64	2-27/32	2-61/64	4-7/8	2-1/32	3/4	NO	HXT0314S-075C
	5xD	2-61/64	4-1/32	4-1/8	6-1/16	2-1/32	3/4	YES	HXT0514S-075F
	5xD	2-61/64	4-1/32	4-1/8	6-1/16	2-1/32	3/4	NO	HXT0514S-075C
	7xD	4-1/8	5-13/64	5-5/16	7-15/64	2-1/32	3/4	YES	HXT0714S-075F
	7xD	4-1/8	5-13/64	5-5/16	7-15/64	2-1/32	3/4	NO	HXT0714S-075C
	10xD	5-29/32	6-63/64	7-5/64	9-1/64	2-1/32	3/4	YES	 HXT1014S-075F
	10xD	5-29/32	6-63/64	7-5/64	9-1/64	2-1/32	3/4	NO	 HXT1014S-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)

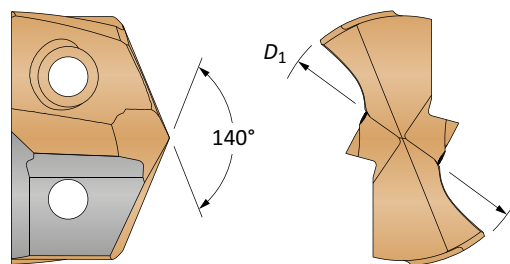
Screws sold in multiples of 10

 **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](http://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

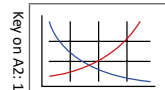
14 Series | Diameter Range: 14.00mm - 14.99mm (0.5512" - 0.5905")



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)	14.00	0.5512	–	7C114P-14	7C114P-14LR	–	–
	14.10	0.5551	–	7C114P-14.1	–	–	–
	14.20	0.5591	–	7C114P-14.2	–	–	–
	14.29	0.5625	9/16	7C114P-0018	7C114P-0018LR	–	–
	14.50	0.5709	–	7C114P-14.5	7C114P-14.5LR	–	–
	14.60	0.5748	–	7C114P-14.6	–	–	–
	14.68	0.5781	37/64	7C114P-.578	7C114P-.578LR	–	–
	14.80	0.5827	–	7C114P-14.8	7C114P-14.8LR	–	–
K20 (C2)	14.00	0.5512	–	7C214P-14	7C214P-14LR	7C214P-14CI	7C214P-14AS
	14.10	0.5551	–	7C214P-14.1	–	–	–
	14.20	0.5591	–	7C214P-14.2	–	–	–
	14.29	0.5625	9/16	7C214P-0018	7C214P-0018LR	7C214P-0018CI	7C214P-0018AS
	14.50	0.5709	–	7C214P-14.5	7C214P-14.5LR	7C214P-14.5CI	7C214P-14.5AS
	14.60	0.5748	–	7C214P-14.6	–	–	–
	14.68	0.5781	37/64	7C214P-.578	7C214P-.578LR	7C214P-.578CI	7C214P-.578AS
	14.80	0.5827	–	7C214P-14.8	7C214P-14.8LR	7C214P-14.8CI	7C214P-14.8AS

Inserts sold in multiples of 1

A2: 66 - 75



A2: 2 - 5



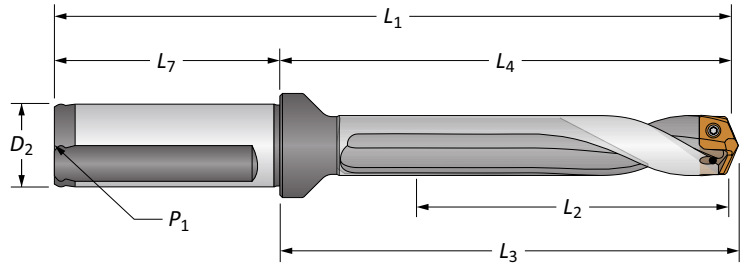
Sizes not shown are available upon request.

When ordering, please follow the example below:

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

### GEN3SYS®XT Standard Drill Insert Holders

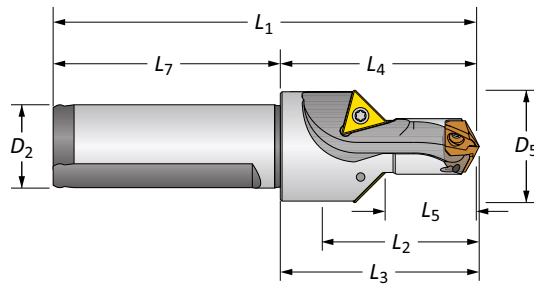
14 Series | Diameter Range: 14.00mm - 14.99mm (0.5512" - 0.5905")



#### Straight and Helical

Flute	Length	Body					Shank				Flat	Part No.
		$L_2$	$L_4$	$L_3$	$L_1$	$L_7$	$D_2$	$P_1$				
Straight	3xD	45.0	72.4	75.0	122.4	50.0	20.0	1/8*	YES	60314S-20FM		
	5xD	75.0	102.4	104.9	152.4	50.0	20.0	1/8*	YES	60514S-20FM		
	7xD	105.0	132.4	134.9	182.4	50.0	20.0	1/8*	YES	60714S-20FM		
Helical	Stub	17.5	44.6	47.2	94.6	50.0	20.0	1/8*	YES	60114H-20FM		
	3xD	45.0	72.4	75.0	122.4	50.0	20.0	1/8*	YES	60314H-20FM		
	3xD	45.0	72.4	75.0	122.4	50.0	20.0	1/8*	NO	60314H-20CM		
	5xD	75.0	102.4	104.9	152.4	50.0	20.0	1/8*	YES	60514H-20FM		
	5xD	75.0	102.4	104.9	152.4	50.0	20.0	1/8*	NO	60514H-20CM		
	7xD	105.0	132.4	134.9	182.4	50.0	20.0	1/8*	YES	60714H-20FM		
	7xD	105.0	132.4	134.9	182.4	50.0	20.0	1/8*	NO	60714H-20CM		
Straight	3xD	1-49/64	2-27/32	2-61/64	4-7/8	2-1/32	3/4	1/8	YES	60314S-075F		
	5xD	2-61/64	4-1/32	4-1/8	6-1/16	2-1/32	3/4	1/8	YES	60514S-075F		
	7xD	4-1/8	5-13/64	5-5/16	7-15/64	2-1/32	3/4	1/8	YES	60714S-075F		
	Stub	11/16	1-3/4	1-55/64	3-25/32	2-1/32	3/4	1/8	YES	60114H-075F		
	3xD	1-49/64	2-27/32	2-61/64	4-7/8	2-1/32	3/4	1/8	YES	60314H-075F		
	3xD	1-49/64	2-27/32	2-61/64	4-7/8	2-1/32	3/4	1/8	NO	60314H-075C		
	5xD	2-61/64	4-1/32	4-1/8	6-1/16	2-1/32	3/4	1/8	YES	60514H-075F		
	5xD	2-61/64	4-1/32	4-1/8	6-1/16	2-1/32	3/4	1/8	NO	60514H-075C		
	7xD	4-1/8	5-13/64	5-5/16	7-15/64	2-1/32	3/4	1/8	YES	60714H-075F		
7xD	4-1/8	5-13/64	5-5/16	7-15/64	2-1/32	3/4	1/8	NO	60714H-075C			

\*Thread to BSP and ISO 7-1



#### Drill / Chamfer

Step	Body					Shank			Part No.	Chamfer Insert
	$D_5$	$L_5$	$L_2$	$L_4$	$L_3$	$L_1$	$L_7$	$D_2$		
Ⓜ	26.7	21.0	26.8	44.6	47.2	94.6	50.0	20.0	60114C45-20FM	TCMT-110204
Ⓢ	1-3/64	53/64	1-3/64	1-3/4	1-55/64	3-25/32	2-1/32	3/4	60114C45-075F	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)