



Part Number		Dimensions (inch)							Grade					
ANSI	ISO	d	l	s	r	m	m1	h	SA7402		SA8204		SA8405	
									Stock	Edge Prep	Stock	Edge Prep	Stock	Edge Prep
CNG431	<i>CNGN120404</i>	0.500	0.508	0.188	0.016	0.130	0.072	-	◆◆◆	E042	◆	E040	-	-
CNG432	<i>CNGN120408</i>	0.500	0.508	0.188	0.031	0.122	0.067	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG433	<i>CNGN124012</i>	0.500	0.508	0.188	0.047	0.113	0.062	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG434	<i>CNGN120416</i>	0.500	0.508	0.188	0.063	0.104	0.057	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG451	<i>CNGN120704</i>	0.500	0.508	0.313	0.016	0.130	0.072	-	◆◆◆	E042	-	-	-	-
CNG452	<i>CNGN120708</i>	0.500	0.508	0.313	0.031	0.122	0.067	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG453	<i>CNGN120712</i>	0.500	0.508	0.313	0.047	0.113	0.062	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG454	<i>CNGN120716</i>	0.625	0.633	0.313	0.031	0.156	0.057	-	◆◆◆	E042	◆	E040	◆◆	E020
CNG543	<i>CNGN160612</i>	0.625	0.633	0.250	0.047	0.148	0.081	-	◆◆◆	E042	-	-	-	-
CNG544	<i>CNGN160616</i>	0.625	0.633	0.250	0.063	0.139	0.076	-	◆◆◆	E042	-	-	-	-
CNG552	<i>CNGN160708</i>	0.625	0.633	0.313	0.031	0.147	0.086	-	◆◆◆	E042	-	-	-	-
CNG553	<i>CNGN160712</i>	0.625	0.633	0.313	0.047	0.148	0.081	-	◆◆◆	E042	◆◆	E040	-	-
CNG554	<i>CNGN160716</i>	0.625	0.633	0.313	0.063	0.139	0.076	-	◆◆◆	E042	◆◆	E040	-	-
CNG555	<i>CNGN160720</i>	0.625	0.633	0.313	0.078	0.130	0.071	-	◆◆◆	E042	◆◆	E040	-	-
CNG643	<i>CNGN190612</i>	0.750	0.763	0.250	0.047	0.182	0.100	-	◆◆◆	X542	◆◆	X433	-	-
CNG644	<i>CNGN190616</i>	0.750	0.763	0.250	0.063	0.174	0.095	-	◆◆◆	X542	◆◆	X433	-	-
CNG648	<i>CNGN190632</i>	0.750	0.763	0.250	0.125	0.104	0.076	-	◆◆◆	X542	-	-	-	-
CNG654	<i>CNGN190716</i>	0.750	0.763	0.313	0.063	0.174	0.095	-	◆◆◆	X542	-	-	-	-
CNG655	<i>CNGN190720</i>	0.750	0.763	0.313	0.078	0.165	0.091	-	◆◆◆	X542	-	-	-	-
CNG656	<i>CNGN190724</i>	0.750	0.763	0.313	0.094	0.156	0.086	-	◆◆◆	X542	◆◆	X433	-	-
CNG856	<i>CNGN250724</i>	1.000	1.015	0.313	0.094	0.225	0.124	-	◆◆◆	X635	-	-	-	-
CNG866	<i>CNGN250924</i>	1.000	1.015	0.375	0.094	0.225	0.124	-	◆◆◆	X635	◆◆	X635	-	-

Ordering example: CNG 643 SA7402

Star Guide Key to Recommended Inserts

Material Designations								
	◆	Unalloyed Steels	◆	Stainless Steels	◆	Cast Irons	◆	High Temp. Alloys
	◆	Alloyed Steels	◆	PH Stainless	◆	Aluminium & Alloys	◆	Hard Materials

