

**Vollbohrkopf Typ 22 System BTA
Solid drill head Type 22 System BTA****Bestellinformationen
Ordering information**

	<u>22-2111-001AX-D100,00</u>			
Typ / Type	_____	_____	_____	_____
22 = Gewinde 1-gängig / 1-start thread				
Bohrkopfgröße / Drill head size	_____	_____	_____	_____
Komplett, Grundkörper / Complete, body	_____	_____	_____	_____
000/001A/001AX = Komplett / Complete				
110/111 = Grundkörper / Drill head body				
Variante / Option	_____	_____	_____	_____
AX = mit Einstellplatte / with stop plate, Bohrbereich / drilling range Ø80,00-111,99				
A = mit Einstellplatte / with stop plate, Bohrbereich / drilling range Ø75,00-79,99, Ø112,00-195,49				
Bohrdurchmesser / Drilling diametre	_____	_____	_____	_____
Bitte bei Bestellung genauen Bohrdurchmesser in mm angeben Please state exact drilling diametre in mm when ordering				

**Bestellbeispiele:
Ordering examples:****22-1815-001A-D75,00**

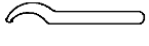








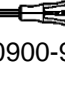







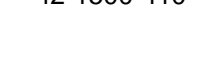




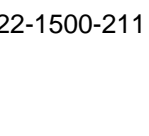
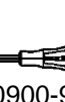
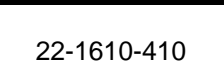



(Vollbohrkopf mit 1-gängigem Gewinde für BR-Ø 68, mit Einstellplatte, Bohr-Ø 75,00 mm)
(Solid drill head with 1-start thread for drill tube dia. 68, with stop plate, drilling dia. 75,00 mm)

22-2111-001AX-D100,00

(Vollbohrkopf mit 1-gängigem Gewinde für BR-Ø 94, mit Einstellplatte, Bohr-Ø 100,00 mm)
(Solid drill head with 1-start thread for drill tube dia. 94, with stop plate, drilling dia. 100,00 mm)

- Bitte beachten Sie unsere Sicherheitshinweise unter www.botek.de.
- Es gelten unsere allgemeinen Geschäftsbedingungen, welche wir als bekannt voraussetzen.
- Wir behalten uns Änderungen jeder Art vor, die aus technischer Weiterentwicklung resultieren. Diese können grundsätzlich nicht als Reklamation anerkannt werden.
- Änderungen, Druckfehler und Irrtum vorbehalten.
- Please note our safety pointers at www.botek.de.
- Our General Standard Terms and Conditions, which we assume as known, apply.
- We reserve the right to make modifications in the interests of technical improvement. Such modifications cannot, in principle, be accepted as justifiable reasons for complaint.
- Subject to change. The manufacturer accepts no responsibility for misprints and other errors.


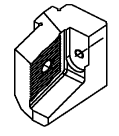

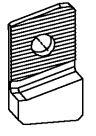
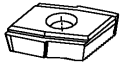

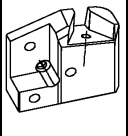
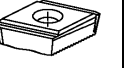
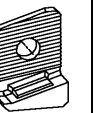







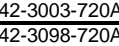












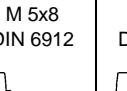

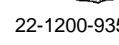
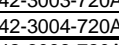


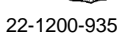


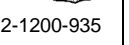

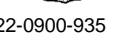


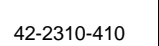

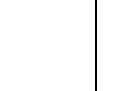

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von bis from to	Bohrkopf Drill head			Außenschneide Peripheral insert			Zentrumschneide Centre insert		Führungsleisten Guide pads			Einstellkeil Adjusting wedge	
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendepatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Schraube 1 x Screw	1 x Wendepatte 1 x Indexable insert	1 x Schraube 1 x Screw	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	Schrauber Screwdriver	1 x Einstellkeil 1 x Adjusting wedge	Schraube Screw
06	26	28,71 - 29,49	22-0601-000	22-0600-110	22-0600-910	42-0611-310	42-0610-710	22-0600-831 (M 3x10)	22-0600-211	22-0600-820 (M 2,5x8,2)	42-0600-410	22-0610-840 (M 2,5x5,9)	22-0600-925	22-0600-511	22-0600-851 (M 4x10)
		29,50 - 29,99	22-0602-000			42-0612-310									
		30,00 - 30,49	22-0611-000			22-0611-310									
		30,50 - 30,99	22-0612-000			22-0612-310									
		31,00 - 31,49	22-0621-000			22-0621-310									
31,50 - 31,99	22-0622-000	22-0622-310													
07	28	32,00 - 32,49	22-0711-000	22-0710-110	22-0700-910	22-0621-310	22-0700-710	22-0600-935	22-0800-211	22-0600-925	42-0700-410	22-0610-840	22-0600-925	22-0600-511	22-0600-950
		32,50 - 32,99	22-0712-000	22-0622-310											
		33,00 - 33,49	22-0721-000	22-0721-310											
		33,50 - 33,99	22-0722-000	22-0722-310											
08	30	34,00 - 34,49	22-0811-000	22-0810-110	22-0700-910	22-0621-310	22-0830-710	22-0900-831 (M 4x12)	22-1000-211	22-0800-820 (M 3x10,3)	42-0800-410	22-0800-840 (M 3x8,2)	22-0600-935	22-0900-510	22-0600-950
		34,50 - 34,99	22-0812-000	22-0622-310											
		35,00 - 35,49	22-0821-000	22-0820-110		22-0721-310									
		35,50 - 35,99	22-0822-000	22-0722-310											
		36,00 - 36,49	22-0831-000	22-0830-110		22-0831-310									
36,50 - 36,99	22-0832-000	22-0832-310													
09	33	37,00 - 37,49	22-0911-000	22-0910-110	22-0900-910	22-0911-310	22-0910-710	22-0900-831 (M 4x12)	22-1000-211	22-0800-820 (M 3x10,3)	42-0900-410	22-0800-840 (M 3x8,2)	22-0600-935	22-0900-510	22-0600-950
		37,50 - 37,99	22-0912-000	22-0912-310											
		38,00 - 38,49	22-0921-000	22-0920-110		22-0921-310									
		38,50 - 38,99	22-0922-000	22-0922-310											
		39,00 - 39,49	22-0931-000	22-0930-110		22-0931-310									
39,50 - 39,99	22-0932-000	22-0932-310													
10	36	40,00 - 40,49	22-1011-000	22-1010-110	22-0900-910	22-0921-310	22-1010-710	22-0900-831 (M 4x12)	22-1000-211	22-0800-820 (M 3x10,3)	42-1000-410	22-0800-840 (M 3x8,2)	22-0600-935	22-0900-510	22-0600-950
		40,50 - 40,99	22-1012-000	22-0922-310											
		41,00 - 41,49	22-1021-000	22-1020-110		22-0931-310									
		41,50 - 41,99	22-1022-000	22-1020-710		22-0932-310									
		42,00 - 42,49	22-1031-000	22-1030-110		22-1031-310									
		42,50 - 42,99	22-1032-000	22-1030-710		22-1032-310									
		43,00 - 43,49	22-1041-000	22-1040-110		22-1041-310									
43,50 - 43,99	22-1042-000	22-1042-310													
11	39	44,00 - 44,49	22-1111-000	22-1110-110	22-1100-910	22-1031-310	22-1020-710	22-0900-935	22-1100-211	22-0600-935	42-1100-410	22-0800-840 (M 3x8,2)	22-0600-935	22-1200-511	22-1200-851 (M 5x14)
		44,50 - 44,99	22-1112-000	22-1032-310											
		45,00 - 45,49	22-1121-000	22-1120-110		22-1041-310									
		45,50 - 45,99	22-1122-000	22-1120-710		22-1042-310									
		46,00 - 46,49	22-1131-000	22-1130-110		22-1131-310									
		46,50 - 46,99	22-1132-000	22-1130-710		22-1132-310									
12	43	47,00 - 47,49	22-1211-000	22-1210-110	22-1200-910	22-1211-310	22-1210-710	22-1200-831 (M 5x14,2)	22-1100-211	22-1200-840 (M 3,5x11,4)	42-1200-410	22-1200-840 (M 3x8,2)	22-0900-935	22-1200-511	22-1500-950
		47,50 - 47,99	22-1212-000	22-1212-310											
		48,00 - 48,49	22-1221-000	22-1220-110		22-1221-310									
		48,50 - 48,99	22-1222-000	22-1220-710		22-1222-310									
		49,00 - 49,49	22-1231-000	22-1230-110		22-1231-310									
		49,50 - 49,99	22-1232-000	22-1230-710		22-1232-310									
		50,00 - 50,49	22-1241-000	22-1240-110		22-1241-310									
		50,50 - 50,99	22-1242-000	22-1240-710		22-1242-310									
51,00 - 51,49	22-1251-000	22-1250-110	22-1251-310												
51,50 - 51,99	22-1252-000	22-1250-710	22-1252-310												

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von bis from to	Bohrkopf Drill head			Außenschneide Peripheral insert			Zentrumschneide Centre insert		Führungsleisten Guide pads			Einstellkeil Adjusting wedge							
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendepatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Schraube 1 x Screw	1 x Wendepatte 1 x Indexable insert	1 x Schraube 1 x Screw	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	Schrauber Screwdriver	1 x Einstellkeil 1 x Adjusting wedge	Schraube Screw						
13	47	52,00 - 52,49	22-1311-000	22-1310-110	22-1200-910		22-1251-310	22-1230-710		22-1200-831 (M 5x14,2)		22-1200-840 (M 3,5x11,4)		3 x Schraube 3 x Screw		1 x Einstellkeil 1 x Adjusting wedge		mit Schraube with screw		(Ersatzteil) (Spare)	
		52,50 - 52,99	22-1312-000				22-1252-310														
		53,00 - 53,49	22-1321-000				22-1321-310														
		53,50 - 53,99	22-1322-000				22-1322-310														
		54,00 - 54,49	22-1331-000				22-1331-310														
		54,50 - 54,99	22-1332-000				22-1332-310														
		55,00 - 55,49	22-1341-000				22-1341-310														
		55,50 - 55,99	22-1342-000				22-1342-310														
56,00 - 56,49	22-1351-000	22-1351-310	22-1240-710	22-1340-710																	
56,50 - 56,99	22-1352-000	22-1352-310																			
14	51	57,00 - 57,49	22-1411-000	22-1400-910		22-1321-310	22-1230-710		22-1200-935		22-0900-935		3 x Schraube 3 x Screw		1 x Einstellkeil 1 x Adjusting wedge		mit Schraube with screw		(Ersatzteil) (Spare)		
		57,50 - 57,99	22-1412-000			22-1322-310															
		58,00 - 58,49	22-1421-000			22-1331-310														22-1240-710	22-1340-710
		58,50 - 58,99	22-1422-000			22-1332-310															
		59,00 - 59,49	22-1431-000			22-1430-110														22-1340-710	22-1340-710
		59,50 - 59,99	22-1432-000			22-1341-310															
		60,00 - 60,49	22-1441-000			22-1342-310															
60,50 - 60,99	22-1442-000	22-1440-110	22-1351-310	22-1352-310																	
15	56	61,00 - 61,49	22-1511-000	22-1500-910		22-1511-310	22-1500-710		22-1500-831 (M 6x17,5)		22-1500-820 (M 3,5x14)		3 x Schraube 3 x Screw		1 x Einstellkeil 1 x Adjusting wedge		mit Schraube with screw		(Ersatzteil) (Spare)		
		61,50 - 61,99	22-1512-000			22-1512-310															
		62,00 - 62,49	22-1521-000			22-1521-310															
		62,50 - 62,99	22-1522-000			22-1522-310															
		63,00 - 63,49	22-1531-000			22-1531-310															
		63,50 - 63,99	22-1532-000			22-1532-310															
		64,00 - 64,49	22-1541-000			22-1540-110														22-1500-710	22-1500-710
		64,50 - 64,99	22-1542-000			22-1521-310															
		65,00 - 65,49	22-1551-000			22-1550-110														22-1500-710	22-1500-710
		65,50 - 65,99	22-1552-000			22-1531-310															
		66,00 - 66,49	22-1561-000			22-1521-310															
		66,50 - 66,99	22-1562-000			22-1560-110														22-1500-710	22-1500-710
67,00 - 67,49	22-1571-000	22-1522-310																			
67,50 - 67,99	22-1572-000	22-1570-110	22-1531-310	22-1532-310																	
16	62	68,00 - 68,49	22-1611-000	22-1600-910		22-1611-310	22-1610-710		22-1500-935		22-0900-935		3 x Schraube 3 x Screw		1 x Einstellkeil 1 x Adjusting wedge		mit Schraube with screw		(Ersatzteil) (Spare)		
		68,50 - 68,99	22-1612-000			22-1612-310															
		69,00 - 69,49	22-1613-000			22-1613-310															
		69,50 - 69,99	22-1621-000			22-1621-310															
		70,00 - 70,49	22-1622-000			22-1622-310															
		70,50 - 70,99	22-1623-000			22-1623-310															
		71,00 - 71,49	22-1624-000			22-1624-310															
		71,50 - 71,99	22-1631-000			22-1631-310														22-1610-710	22-1630-710
		72,00 - 72,49	22-1632-000			22-1632-310															
		72,50 - 72,99	22-1633-000			22-1633-310															
		73,00 - 73,49	22-1634-000			22-1634-310															
		73,50 - 73,99	22-1641-000			22-1641-310															
		74,00 - 74,49	22-1642-000			22-1642-310															
74,50 - 74,99	22-1643-000	22-1643-310																			

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschneide Cartridge with peripheral insert				2 x Schraube Kassette 2 x Screw Cartridge	Kassette mit Zentrumschneide Cartridge with centre insert				Führungsleisten Guide pads				
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendepatte 1 x Indexable insert	1 x Schraube 1 x Screw	Variante A Option A 1 x Kassette 1 x Cartridge			1 x Einstellplatte 1 x Stop plate	1 x Kassette 1 x Cartridge	1 x Gewinde- buchse 1 x Threaded sleeve	1 x Wendepatte 1 x Indexable insert	1 x Schraube 1 x Screw	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw		
18	68	75,00 - 75,49	22-1815-001A	22-1810-111	22-1600-910	22-1631-310	22-1500-830 (M 6x14)	42-1815-721A	01-3750-610-S..	M 5x12 DIN 912	42-1800-740	42-1800-874	42-1800-211	22-1500-820 (M 3,5x14)	42-1810-410	22-1600-840 (M 5x15)			
		75,50 - 75,99	22-1816-001A			22-1632-310		42-1821-721A							21-0600-860 (M 3x6,7)		29-0400-900	22-0900-935	42-1820-410
		76,00 - 76,49	22-1821-001A	22-1634-310		42-1821-721A													
		76,50 - 76,99	22-1822-001A	22-1641-310		42-1823-721A													
		77,00 - 77,49	22-1823-001A	22-1642-310		42-1825-721A													
		77,50 - 77,99	22-1824-001A	22-1643-310		42-1825-721A													
		78,00 - 78,49	22-1825-001A	22-1642-310		42-1827-721A													
		78,50 - 78,99	22-1826-001A	22-1643-310															
		79,00 - 79,49	22-1827-001A	22-1642-310															
		79,50 - 79,99	22-1828-001A	22-1643-310															

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette Außenschneide und Zentrumschneide Cartridge with peripheral and centre insert					2 x Schraube Kassette 2 x Screw Cartridge	Kassette mit Zwischenschneide Cartridge with intermediate insert				Führungsleisten Guide pads			
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendeplatte 1 x Indexable insert	1 x Schraube 1 x Screw	Variante AX Option AX				1 x Kassette 1 x Cartridge	1 x Einstellplatte 1 x Stop plate	1 x Wendeplatte 1 x Indexable insert	1 x Kassette 1 x Cartridge	1 x Gewinde- buchse 1 x Threaded sleeve	1 x Wendeplatte 1 x Indexable insert	1 x Schraube 1 x Screw	3 x Führungsleiste 3 x Guide pad
19	75	80,00 - 80,49	22-1911-001AX	22-1910-111	22-1600-910	22-1511-310	42-1911-735A	22-1100-211	M 6x12 DIN 912	42-1900-740	22-1300-211	42-1910-410	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	3 x Leisten- unterlage 3 x Shim	3 x Anschlag 3 x Stop pins			
		80,50 - 80,99	22-1912-001AX			22-1512-310													
		81,00 - 81,49	22-1913-001AX			22-1521-310													
		81,50 - 81,99	22-1914-001AX			22-1522-310													
		82,00 - 82,49	22-1915-001AX			22-1531-310													
		82,50 - 82,99	22-1916-001AX			22-1532-310													
		83,00 - 83,49	22-1917-001AX			42-1613-310													
		83,50 - 83,99	22-1918-001AX			42-1614-310													
		84,00 - 84,49	22-1921-001AX			42-1711-310													
		84,50 - 84,99	22-1922-001AX			42-1712-310													
		85,00 - 85,49	22-1923-001AX			22-1611-310													
		85,50 - 85,99	22-1924-001AX			22-1612-310													
		86,00 - 86,49	22-1925-001AX			22-1613-310													
		86,50 - 86,99	22-1926-001AX			22-1621-310													
20	82	87,00 - 87,49	22-2011-001AX	22-2010-111	42-1900-910	22-1522-310	42-2011-735A	01-3750-610-S..	M 6x16 DIN 912	42-2010-740	22-1500-211	42-2010-410	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	3 x Leisten- unterlage 3 x Shim	3 x Anschlag 3 x Stop pins			
		87,50 - 87,99	22-2012-001AX			22-1531-310													
		88,00 - 88,49	22-2013-001AX			22-1532-310													
		88,50 - 88,99	22-2014-001AX			42-1613-310													
		89,00 - 89,49	22-2015-001AX			42-1614-310													
		89,50 - 89,99	22-2016-001AX			42-1711-310													
		90,00 - 90,49	22-2017-001AX			42-1712-310													
		90,50 - 90,99	22-2018-001AX			22-1611-310													
		91,00 - 91,49	22-2021-001AX			22-1612-310													
		91,50 - 91,99	22-2022-001AX			22-1613-310													
		92,00 - 92,49	22-2023-001AX			22-1621-310													
		92,50 - 92,99	22-2024-001AX			22-1622-310													
		93,00 - 93,49	22-2025-001AX			22-1623-310													
		93,50 - 93,99	22-2026-001AX			22-1624-310													
		94,00 - 94,49	22-2031-001AX	22-1521-310															
		94,50 - 94,99	22-2032-001AX	22-1522-310															
		95,00 - 95,49	22-2033-001AX	22-1531-310															
		95,50 - 95,99	22-2034-001AX	22-1532-310															
		96,00 - 96,49	22-2035-001AX	42-1613-310															
		96,50 - 96,99	22-2036-001AX	42-1614-310															
		97,00 - 97,49	22-2041-001AX	42-1613-310															
		97,50 - 97,99	22-2042-001AX	42-1614-310															
		98,00 - 98,49	22-2043-001AX	42-1711-310															
		98,50 - 98,99	22-2044-001AX	42-1712-310															
		99,00 - 99,49	22-2045-001AX	22-1611-310															
		99,50 - 99,99	22-2046-001AX	22-1612-310															

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette Außenschneide und Zentrumschneide Cartridge with peripheral and centre insert					2 x Schraube Kassette 2 x Screw Cartridge	Kassette mit Zwischenschneide Cartridge with intermediate insert				Führungsleisten Guide pads							
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendeplatte 1 x Indexable insert	1 x Schraube 1 x Screw	Variante AX Option AX				1 x Kassette 1 x Cartridge	1 x Einstellplatte 1 x Stop plate	1 x Wendeplatte 1 x Indexable insert	1 x Kassette 1 x Cartridge	1 x Gewinde- buchse 1 x Threaded sleeve	1 x Wendeplatte 1 x Indexable insert	1 x Schraube 1 x Screw	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	3 x Leisten- unterlage 3 x Shim	3 x Anschlag 3 x Stop pins	
21	94	100,00 - 100,49	22-2111-001AX	22-2110-111		42-1613-310	22-1500-830 (M 6x14)	42-2111-735A	01-3750-610-S..		M 6x20 DIN 912	42-1800-740	42-1800-874	42-1800-211	22-1500-820 (M3,5x14)		22-1500-820 (M3,5x14)	42-2110-410	22-1600-840 (M 5x15)		34-1600-400	42-1900-150	
		100,50 - 100,99	22-2112-001AX			42-1614-310		42-2111-735A															22-1500-211
		101,00 - 101,49	22-2113-001AX			42-1711-310		42-2113-735A															
		101,50 - 101,99	22-2114-001AX			42-1712-310		42-2115-735A															
		102,00 - 102,49	22-2115-001AX			22-1611-310		42-2121-735A															
		102,50 - 102,99	22-2116-001AX			22-1612-310		42-2123-735A															
		103,00 - 103,49	22-2121-001AX	22-1613-310	42-2125-735A	22-0900-935	M 6x20 DIN 912	42-1800-740	42-1800-874	42-1800-211	22-1500-820 (M3,5x14)		22-1500-820 (M3,5x14)	42-2120-410	22-1600-840 (M 5x15)		21-0600-860 (M 3x6,7)	22-1200-831 (M 5x14,2)					
		103,50 - 103,99	22-2122-001AX	22-1621-310	42-2131-735A																		
		104,00 - 104,49	22-2123-001AX	22-1622-310	42-2133-735A																		
		104,50 - 104,99	22-2124-001AX	22-1623-310	42-2135-735A																		
		105,00 - 105,49	22-2125-001AX	22-1624-310	42-2141-735A																		
		105,50 - 105,99	22-2126-001AX	22-1631-310	42-2143-735A																		
		106,00 - 106,49	22-2131-001AX	22-1521-310	42-2145-735A	22-1500-935	M 6x20 DIN 912	42-1800-740	42-1800-874	42-1800-211	22-1500-820 (M3,5x14)		22-1500-820 (M3,5x14)	42-2130-410	22-1200-935		22-0600-935	22-1200-935					
		106,50 - 106,99	22-2132-001AX	22-1522-310	42-2133-735A																		
		107,00 - 107,49	22-2133-001AX	22-1531-310	42-2135-735A																		
		107,50 - 107,99	22-2134-001AX	22-1532-310	42-2141-735A																		
		108,00 - 108,49	22-2135-001AX	42-1613-310	42-2143-735A																		
		108,50 - 108,99	22-2136-001AX	42-1614-310	42-2145-735A																		
		109,00 - 109,49	22-2141-001AX	42-1711-310		22-1500-935	M 6x20 DIN 912	42-1800-740	42-1800-874	42-1800-211	22-1500-820 (M3,5x14)		22-1500-820 (M3,5x14)	42-2140-410	22-1200-935		22-0600-935	22-1200-935					
		109,50 - 109,99	22-2142-001AX	42-1712-310																			
110,00 - 110,49	22-2143-001AX	22-1611-310																					
110,50 - 110,99	22-2144-001AX	22-1612-310																					
111,00 - 111,49	22-2145-001AX	22-1613-310																					
111,50 - 111,99	22-2146-001AX	22-1621-310																					

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschnide Cartridge with peripheral insert			Kassette mit Zwischenschnide Cartridge with intermediate insert			Kassette mit Zwischen- und Zentrumschnide Cartridge with intermediate and centre insert				4 x Schraube für Kassetten 4 x Screw for Cartridges	Führungsleisten Guide pads																						
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendeplatte 1 x Indexable insert	Variante A Option A 1 x Kassette 1 x Cartridge	1 x Einstellplatte 1 x Stop plate	1 x Kassette 1 x Cartridge	1 x Wendeplatte 1 x Indexable insert	1 x Stützplatte 1 x Support plate	1 x Kassette 1 x Cartridge	1 x Wendeplatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Wendeplatte 1 x Indexable insert		3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	3 x Leistenunterlage 3 x Shim	3 x Anschlag 3 x Stop pins																			
22	106	112,00 - 112,74	22-2211-001A	22-2210-111	42-2100-910																																		
		112,75 - 113,49	22-2212-001A																																				
		113,50 - 114,24	22-2213-001A																																				
		114,25 - 114,99	22-2214-001A																																				
		115,00 - 115,74	22-2215-001A																																				
		115,75 - 116,49	22-2216-001A																																				
		116,50 - 117,24	22-2217-001A																																				
		117,25 - 117,99	22-2218-001A																																				
		118,00 - 118,74	22-2221-001A																																				
		118,75 - 119,49	22-2222-001A																																				
		119,50 - 120,24	22-2223-001A																																				
		120,25 - 120,99	22-2224-001A																																				
		121,00 - 121,74	22-2225-001A																																				
		121,75 - 122,49	22-2226-001A																																				
122,50 - 123,24	22-2227-001A	22-2220-111	42-2200-910																																				
123,25 - 123,99	22-2311-001A																																						
124,00 - 124,74	22-2312-001A																																						
124,75 - 125,49	22-2313-001A																																						
125,50 - 126,24	22-2314-001A																																						
126,25 - 126,99	22-2315-001A																																						
23	118																			123,25 - 123,99	22-2311-001A	22-2310-111	42-2200-910																
																				124,00 - 124,74	22-2312-001A																		
																				124,75 - 125,49	22-2313-001A																		
																				125,50 - 126,24	22-2314-001A																		
																				126,25 - 126,99	22-2315-001A																		

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschneide Cartridge with peripheral insert			Kassette mit 2 Zwischenschneiden Cartridge with 2 intermediate inserts			Kassette mit Zwischen- und Zentrumschneide Cartridge with intermediate and centre insert				6 x Schraube für Kassetten 6 x Screw for Cartridges	Führungsleisten Guide pads																																																																																																						
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendepatte 1 x Indexable insert	Variante A Option A 1 x Kassette 1 x Cartridge	1 x Einstellplatte 1 x Stop plate	1 x Kassette 1 x Cartridge	2 x Wendepatte 2 x Indexable insert	2 x Unterlage 2 x Shim	1 x Kassette 1 x Cartridge	1 x Wendepatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Wendepatte 1 x Indexable insert		3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw	3 x Leistenunterlage 3 x Shim	3 x Anschlag 3 x Stop pins																																																																																																			
23	118	127,00 - 127,74	22-2321-001A	22-2320-111	42-2300-910	34-3000-310	42-3096-720A	01-3750-610-S..	42-2320-761	34-3000-310	42-2200-710	42-2320-751	34-3000-310	42-2200-710	22-1500-211	M 5x16 DIN 912	42-2320-410	22-1600-840 (M 5x15)	42-2200-400	42-2200-150																																																																																																			
		127,75 - 128,49	22-2322-001A				42-3097-720A														22-1200-831 (M 5x14,2)	21-0600-860 (M 3x6,7)	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	22-1500-820 (M 3,5x14)	29-0400-900	42-2330-410	22-1200-935	29-0300-900	29-0300-900																																																																																							
		128,50 - 129,24	22-2323-001A				42-3098-720A														22-1200-935	22-0600-935	42-2330-761	22-1200-935	29-0250-900	42-2330-751	22-1200-935						29-0250-900	22-1200-935	29-0250-900	22-0900-935																																																																																			
		129,25 - 129,99	22-2324-001A				42-3099-720A																														22-2330-111	42-3000-720A	42-3097-720A	42-3002-720A	42-3098-720A	42-3099-720A	42-3001-720A	42-3002-720A	42-3098-720A	42-3099-720A																																																																									
		130,00 - 130,74	22-2325-001A				42-3000-720A																																								22-2335-001A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																																																																
		130,75 - 131,49	22-2326-001A				42-3001-720A																																																	22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																																																								
		131,50 - 132,24	22-2327-001A				42-3097-720A																																																									22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																																																
		132,25 - 132,99	22-2331-001A				42-3098-720A																																																																	22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																																								
		133,00 - 133,74	22-2332-001A				42-3099-720A																																																																									22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																																
		133,75 - 134,49	22-2333-001A				42-3000-720A																																																																																	22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																								
		134,50 - 135,24	22-2334-001A				42-3097-720A																																																																																									22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A																
		135,25 - 135,99	22-2335-001A				42-3098-720A																																																																																																	22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A								
		136,00 - 136,74	22-2336-001A				42-3000-720A																																																																																																									22-2336-001A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A	42-3001-720A	42-3002-720A

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschneide Cartridge with peripheral insert			Kassette mit 2 Zwischenschnitten Cartridge with 2 intermediate inserts			Kassette mit Zwischen- und Zentrumschneide Cartridge with intermediate and centre insert				Führungsleisten Guide pads		
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendeplatte 1 x Indexable insert	Variante A Option A 1 x Kassette 1 x Cartridge 1 x Einstellplatte 1 x Stop plate		1 x Kassette 1 x Cartridge	2 x Wendeplatte 2 x Indexable insert	2 x Unterlage 2 x Shim	1 x Kassette 1 x Cartridge	1 x Wendeplatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Wendeplatte 1 x Indexable insert	6 x Schraube für Kassetten 6 x Screw for Cartridges	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw
24	130	136,75 - 137,49	22-2411-001A	22-2410-111	42-2300-910	34-3000-310	42-3096-720A	42-2410-761	34-3000-310	42-2200-710	42-2410-751	34-3000-310	42-2200-710	6 x Schraube für Kassetten 6 x Screw for Cartridges	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw		
		137,50 - 138,24	22-2412-001A				42-3097-720A											
		138,25 - 138,99	22-2413-001A				42-3098-720A											
		139,00 - 139,74	22-2414-001A				42-3099-720A											
		139,75 - 140,49	22-2415-001A				42-3000-720A											
		140,50 - 141,24	22-2416-001A				42-3001-720A											
		141,25 - 141,99	22-2417-001A				42-3002-720A											
		142,00 - 142,74	22-2418-001A				42-3003-720A											
		142,75 - 143,49	22-2421-001A				42-3097-720A											
		143,50 - 144,24	22-2422-001A				42-3098-720A											
		144,25 - 144,99	22-2423-001A				42-3099-720A											
		145,00 - 145,74	22-2424-001A				42-3000-720A											
		145,75 - 146,49	22-2425-001A				42-3001-720A											
		146,50 - 147,24	22-2426-001A				42-3002-720A											
		147,25 - 147,99	22-2427-001A				42-3003-720A											
		148,00 - 148,74	22-2511-001A				42-4098-720A											
		148,75 - 149,49	22-2512-001A				42-4099-720A											
		149,50 - 150,24	22-2513-001A				42-4000-720A											
150,25 - 150,99	22-2514-001A	42-4001-720A																
151,00 - 151,74	22-2515-001A	42-4002-720A																
151,75 - 152,49	22-2516-001A	42-4003-720A																
152,50 - 153,24	22-2517-001A	42-4004-720A																
153,25 - 153,99	22-2518-001A	42-4005-720A																
154,00 - 154,74	22-2521-001A	42-4096-720A																
154,75 - 155,49	22-2522-001A	42-4097-720A																
155,50 - 156,24	22-2523-001A	42-4098-720A																
156,25 - 156,99	22-2524-001A	42-4099-720A																
157,00 - 157,74	22-2525-001A	42-4000-720A																
157,75 - 158,49	22-2526-001A	42-4001-720A																
158,50 - 159,24	22-2527-001A	42-4002-720A																

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschneide Cartridge with peripheral insert			Kassette mit 2 Zwischenschneiden Cartridge with 2 intermediate inserts			Kassette mit Zwischen- und Zentrumschneide Cartridge with intermediate and centre insert				6 x Schraube für Kassetten 6 x Screw for Cartridges	Führungsleisten Guide pads	
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendeplatte 1 x Indexable insert	Variante A Option A 1 x Kassette 1 x Cartridge 1 x Einstellplatte 1 x Stop plate		1 x Kassette 1 x Cartridge	2 x Wendeplatte 2 x Indexable insert	2 x Unterlage 2 x Shim	1 x Kassette 1 x Cartridge	1 x Wendeplatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Wendeplatte 1 x Indexable insert		3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw
26	142	159,25 - 159,99	22-2611-001A	22-2610-111	42-2400-910		42-4099-720A	42-2610-761		42-2610-751						3 x Führungsleiste 3 x Guide pad		
		160,00 - 160,74	22-2612-001A				42-4000-720A											
		160,75 - 161,49	22-2613-001A				42-4001-720A											
		161,50 - 162,24	22-2614-001A				42-4002-720A											
		162,25 - 162,99	22-2615-001A				42-4003-720A											
		163,00 - 163,74	22-2616-001A				42-4004-720A											
		163,75 - 164,49	22-2617-001A				42-4005-720A											
	164,50 - 165,24	22-2618-001A	42-4006-720A															
	154	165,25 - 165,99	22-2621-001A	22-2620-111	42-2600-910		42-4094-720A	42-2620-761		42-2620-751						3 x Führungsleiste 3 x Guide pad		
		166,00 - 166,74	22-2622-001A				42-4095-720A											
		166,75 - 167,49	22-2623-001A				42-4096-720A											
		167,50 - 168,24	22-2624-001A				42-4097-720A											
		168,25 - 168,99	22-2625-001A				42-4098-720A											
		169,00 - 169,74	22-2626-001A				42-4099-720A											
169,75 - 170,49		22-2627-001A	42-4000-720A															
170,50 - 171,24	22-2628-001A	42-4001-720A																
171,25 - 171,99	22-2629-001A	42-4002-720A																
27	154	172,00 - 172,24	22-2711-001A	22-2710-111	42-2600-910		42-4096-720A	42-2710-761		42-2710-751					3 x Führungsleiste 3 x Guide pad			
		172,25 - 172,99	22-2712-001A				42-4097-720A											
		173,00 - 173,74	22-2713-001A				42-4098-720A											
		173,75 - 174,49	22-2714-001A				42-4099-720A											
		174,50 - 175,24	22-2715-001A				42-4000-720A											
		175,25 - 175,99	22-2716-001A				42-4001-720A											
		176,00 - 176,74	22-2717-001A				42-4002-720A											
	176,75 - 177,49	22-2718-001A	42-4003-720A															
	177,50 - 177,99	22-2719-001A	42-4004-720A															
	166	178,00 - 178,74	22-2721-001A	22-2720-111	42-2600-910		42-4098-720A	42-2720-761		42-2720-751					3 x Führungsleiste 3 x Guide pad			
		178,75 - 179,49	22-2722-001A				42-4099-720A											
		179,50 - 180,24	22-2723-001A				42-4000-720A											
		180,25 - 180,99	22-2724-001A				42-4001-720A											
181,00 - 181,74		22-2725-001A	42-4002-720A															
181,75 - 182,49		22-2726-001A	42-4003-720A															
182,50 - 183,24	22-2727-001A	42-4004-720A																
183,25 - 183,99	22-2728-001A	42-4005-720A																

Bohrkopfgröße Drill head size	Bohrrohr ø Da Drill tube outer dia Da [mm]	Bohrbereich Drilling range von from bis to	Bohrkopf Drill head			Kassette mit Außenschneide Cartridge with peripheral insert			Kassettenhalter mit Zwischenschneide Cartridge holder with intermediate insert	Kassette mit 3 Zwischenschneiden Cartridge with 3 intermediate inserts			Kassette mit Zwischen- und Zentrumschneide Cartridge with intermediate and centre insert				Führungsleisten Guide pads																					
			Komplett Complete	Grundkörper Drill head body	Schlüssel Wrench	1 x Wendepatte 1 x Indexable insert	Variante A Option A 1 x Kassette 1 x Cartridge	1 x Einstellplatte 1 x Stop plate		2 x Schraube Kassette 2 x Screw Cartridge	1 x Kassette- halter 1 x Cartridge holder	1 x Wendepatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Kassette 1 x Cartridge	3 x Wendepatte 3 x Indexable insert	3 x Unterlage 3 x Shim		1 x Kassette 1 x Cartridge	1 x Wendepatte 1 x Indexable insert	1 x Unterlage 1 x Shim	1 x Wendepatte 1 x Indexable insert	6 x Schraube für Kassetten 6 x Screw for Cartridges	3 x Führungsleiste 3 x Guide pad	3 x Schraube 3 x Screw														
28	166	184,00 - 184,74	22-2811-001A	22-2810-111		34-3000-310	42-3096-720A	01-3750-610-S..		42-2810-700	34-3000-310	42-2200-710	42-2810-761	34-3000-310	42-2200-710	42-2810-751	34-3000-310	42-2200-710	42-1800-211		42-2810-410																	
		184,75 - 185,49	22-2812-001A				42-3097-720A																42-3098-720A															
		185,50 - 186,24	22-2813-001A				42-3099-720A																42-3001-720A															
		186,25 - 186,99	22-2814-001A				42-3099-720A																42-3002-720A															
		187,00 - 187,74	22-2815-001A				42-3095-720A																21-0600-860 (M 3x6,7)															
		187,25 - 188,49	22-2816-001A				42-3096-720A																29-0400-900															
		188,50 - 189,24	22-2817-001A				42-3097-720A																															
		189,25 - 189,74	22-2821-001A				42-2800-910																22-1200-831 (M 5x14,2)	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	42-2820-700	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	42-2820-761	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	42-2820-751	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	22-1500-820 (M 3,5x14)	M 6x20 DIN 912	29-0500-900	42-2820-410
	189,75 - 190,49	22-2822-001A	42-3098-720A	22-1200-935	22-1200-935																																	
	190,50 - 191,24	22-2823-001A	42-3098-720A	22-0600-935	29-0250-900																																	
	191,25 - 191,99	22-2824-001A	42-3099-720A																																			
	192,00 - 192,74	22-2825-001A	42-3000-720A	22-2820-111	22-2820-910	29-0400-900		42-2820-700	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	42-2820-761	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	42-2820-751	22-1200-831 (M 5x14,2)	M 3x6 DIN 912	22-1500-820 (M 3,5x14)	M 6x20 DIN 912	29-0500-900	42-2820-410																		
	192,75 - 193,49	22-2826-001A	42-3001-720A																																			
	193,50 - 194,24	22-2827-001A	42-3002-720A																																			
	194,25 - 194,99	22-2828-001A	42-3003-720A																																			
	195,00 - 195,49	22-2829-001A	42-3003-720A																																			