

Epoch Wonder Drills
エポックワンダードリル

レギュラー形Regular

穴あけDrilling

超硬Carbide

C

140°標準ねじれ21°~34°Normal Helix

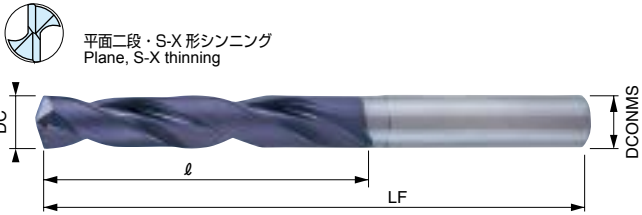
ストレートシャフトStraight Shank

3D

h8

シャフト公差10〜0.01Tolerance on shank

(mm)



EWSR○○.○○

切削条件表E97Cutting Conditions

商品コード Item code	在庫 Stock	寸法 Size (mm)			
		直径 Tool dia.	溝長 Flute length	全長 Overall length	シャンク径 Shank dia.
		DC	ℓ	LF	DCONMS
EWSR3.0	☐	3.0	21	60	3.0
EWSR3.1	☐	3.1	24	60	3.1
EWSR3.2	☐	3.2	24	60	3.2
EWSR3.3	☐	3.3	24	60	3.3
EWSR3.4	☐	3.4	24	60	3.4
EWSR3.5	☐	3.5	24	60	3.5
EWSR3.6	☐	3.6	27	60	3.6
EWSR3.7	☐	3.7	27	60	3.7
EWSR3.8	☐	3.8	27	60	3.8
EWSR3.9	☐	3.9	27	60	3.9
EWSR4.0	☐	4.0	27	60	4.0
EWSR4.1	☐	4.1	29	63	4.1
EWSR4.2	☐	4.2	29	63	4.2
EWSR4.3	☐	4.3	29	63	4.3
EWSR4.4	☐	4.4	29	63	4.4
EWSR4.5	☐	4.5	29	63	4.5
EWSR4.6	☐	4.6	32	68	4.6
EWSR4.7	☐	4.7	32	68	4.7
EWSR4.8	☐	4.8	32	68	4.8
EWSR4.9	☐	4.9	32	68	4.9
EWSR5.0	☐	5.0	32	68	5.0
EWSR5.1	☐	5.1	34	72	5.1
EWSR5.2	☐	5.2	34	72	5.2
EWSR5.3	☐	5.3	34	72	5.3
EWSR5.4	☐	5.4	34	72	5.4
EWSR5.5	☐	5.5	34	72	5.5
EWSR5.6	☐	5.6	36	74	5.6
EWSR5.7	☐	5.7	36	74	5.7
EWSR5.8	☐	5.8	36	74	5.8
EWSR5.9	☐	5.9	36	74	5.9
EWSR6.0	☐	6.0	41	81	6.0
EWSR6.1	☐	6.1	41	81	6.1
EWSR6.2	☐	6.2	41	81	6.2
EWSR6.3	☐	6.3	41	81	6.3
EWSR6.4	☐	6.4	41	81	6.4
EWSR6.5	☐	6.5	41	81	6.5
EWSR6.6	☐	6.6	43	83	6.6
EWSR6.7	☐	6.7	43	83	6.7
EWSR6.8	☐	6.8	43	83	6.8
EWSR6.9	☐	6.9	43	83	6.9
EWSR7.0	☐	7.0	43	83	7.0
EWSR7.1	☐	7.1	45	87	7.1
EWSR7.2	☐	7.2	45	87	7.2
EWSR7.3	☐	7.3	45	87	7.3

商品コード Item code	在庫 Stock	寸法 Size (mm)			
		直径 Tool dia.	溝長 Flute length	全長 Overall length	シャンク径 Shank dia.
		DC	ℓ	LF	DCONMS
EWSR7.4	☐	7.4	45	87	7.4
EWSR7.5	☐	7.5	45	87	7.5
EWSR7.6	☐	7.6	48	90	7.6
EWSR7.7	☐	7.7	48	90	7.7
EWSR7.8	☐	7.8	48	90	7.8
EWSR7.9	☐	7.9	48	90	7.9
EWSR8.0	☐	8.0	48	90	8.0
EWSR8.1	☐	8.1	53	96	8.1
EWSR8.2	☐	8.2	53	96	8.2
EWSR8.3	☐	8.3	53	96	8.3
EWSR8.4	☐	8.4	53	96	8.4
EWSR8.5	☐	8.5	53	96	8.5
EWSR8.6	☐	8.6	55	98	8.6
EWSR8.7	☐	8.7	55	98	8.7
EWSR8.8	☐	8.8	55	98	8.8
EWSR8.9	☐	8.9	55	98	8.9
EWSR9.0	☐	9.0	55	98	9.0
EWSR9.1	☐	9.1	58	102	9.1
EWSR9.2	☐	9.2	58	102	9.2
EWSR9.3	☐	9.3	58	102	9.3
EWSR9.4	☐	9.4	58	102	9.4
EWSR9.5	☐	9.5	58	102	9.5
EWSR9.6	☐	9.6	60	105	9.6
EWSR9.7	☐	9.7	60	105	9.7
EWSR9.8	☐	9.8	60	105	9.8
EWSR9.9	☐	9.9	60	105	9.9
EWSR10.0	☐	10.0	60	105	10.0
EWSR10.1	☐	10.1	66	112	10.1
EWSR10.2	☐	10.2	66	112	10.2
EWSR10.3	☐	10.3	66	112	10.3
EWSR10.4	☐	10.4	66	112	10.4
EWSR10.5	☐	10.5	66	112	10.5
EWSR10.6	☐	10.6	68	114	10.6
EWSR10.7	☐	10.7	68	114	10.7
EWSR10.8	☐	10.8	68	114	10.8
EWSR10.9	☐	10.9	68	114	10.9
EWSR11.0	☐	11.0	68	114	11.0
EWSR11.1	☐	11.1	71	118	11.1
EWSR11.2	☐	11.2	71	118	11.2
EWSR11.3	☐	11.3	71	118	11.3
EWSR11.4	☐	11.4	71	118	11.4
EWSR11.5	☐	11.5	71	118	11.5
EWSR11.6	☐	11.6	73	121	11.6
EWSR11.7	☐	11.7	73	121	11.7

商品コード Item code	在庫 Stock	寸法 Size (mm)			
		直径 Tool dia.	溝長 Flute length	全長 Overall length	シャンク径 Shank dia.
		DC	ℓ	LF	DCONMS
EWSR11.8	☐	11.8	73	121	11.8
EWSR11.9	☐	11.9	73	121	11.9
EWSR12.0	☐	12.0	73	121	12.0
EWSR12.1	☐	12.1	76	135	12.1
EWSR12.2	☐	12.2	76	135	12.2
EWSR12.3	☐	12.3	76	135	12.3
EWSR12.4	☐	12.4	76	135	12.4
EWSR12.5	☐	12.5	76	135	12.5
EWSR12.6	☐	12.6	78	137	12.6
EWSR12.7	☐	12.7	78	137	12.7
EWSR12.8	☐	12.8	78	137	12.8
EWSR12.9	☐	12.9	78	137	12.9
EWSR13.0	☐	13.0	78	137	13.0
EWSR13.1	☐	13.1	84	144	13.1
EWSR13.2	☐	13.2	84	144	13.2
EWSR13.3	☐	13.3	84	144	13.3
EWSR13.4	☐	13.4	84	144	13.4
EWSR13.5	☐	13.5	84	144	13.5
EWSR13.6	☐	13.6	86	147	13.6
EWSR13.7	☐	13.7	86	147	13.7
EWSR13.8	☐	13.8	86	147	13.8
EWSR13.9	☐	13.9	86	147	13.9
EWSR14.0	☐	14.0	86	147	14.0
EWSR14.1	☐	14.1	89	151	14.1
EWSR14.2	☐	14.2	89	151	14.2
EWSR14.3	☐	14.3	89	151	14.3
EWSR14.4	☐	14.4	89	151	14.4
EWSR14.5	☐	14.5	89	151	14.5
EWSR14.6	☐	14.6	91	153	14.6
EWSR14.7	☐	14.7	91	153	14.7
EWSR14.8	☐	14.8	91	153	14.8
EWSR14.9	☐	14.9	91	153	14.9
EWSR15.0	☐	15.0	91	153	15.0
EWSR15.5	☐	15.5	94	157	15.5
EWSR16.0	☐	16.0	96	160	16.0
EWSR16.5	☐	16.5	102	167	16.5
EWSR17.0	☐	17.0	102	167	17.0
EWSR17.5	☐	17.5	102	167	17.5
EWSR18.0	☐	18.0	102	167	18.0
EWSR18.5	☐	18.5	114	179	18.5
EWSR19.0	☐	19.0	114	179	19.0
EWSR19.5	☐	19.5	114	179	19.5
EWSR20.0	☐	20.0	114	179	20.0

対応被削材 Applicable work materia									
軟鋼 Mild steel SS	炭素鋼 Carbon steel SCC	合金鋼 Alloy steel SCM, SCr	調質鋼 Heat-treated steel SKD, SKS	工具鋼 Tool steel ~40HRC	焼入れ鋼 Hardened steel ~45HRC 45HRC~	ステンレス鋼 Stainless steel SUS	耐熱鋼 Ti合金 Heat-resistant steel, Ti alloy Inconel	鋳鉄 Cast iron FC	ダクタイル鋳鉄 Ductile cast iron FCD
アルミ合金 Aluminum alloy Al	銅合金 Copper alloy Cu								
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

再研磨対応外径範囲 Re-grinding compatibility range	
商品コード Item code	エンド End (mm)
EWSR	3 ~ 20

□印：特定代理店在庫です。弊社営業へお問い合わせください。 □：Stocked by specified distributor. Contact with our sales department.