

Epoch Rib エポックリブ



0~0.03



(mm)



4枚刃
4Flutes

片角公差: ± 5°
Tolerance on angle



EPRI○○○○○-○○-C



商品コード Item code	在庫 Stock	寸法 Size (mm)					
		外径 Tool dia.	溝深・溝間 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI0504-05-C	☐	30'	4	0.57	50	4	
EPRI0506-05-C	☐	30'	6	0.6	50	4	
EPRI0504-07-C	☐	45'	4	0.6	50	4	
EPRI0506-07-C	☐	45'	6	0.66	50	4	
EPRI0504-10-C	☐	1"	4	0.64	50	4	
EPRI0506-10-C	☐	1"	6	0.71	50	4	
EPRI0504-15-C	☐	1" 30'	4	0.71	50	4	
EPRI0506-15-C	☐	1" 30'	6	0.81	50	4	
EPRI0504-20-C	☐	2"	4	0.78	50	4	
EPRI0506-20-C	☐	2"	6	0.92	50	4	
EPRI0504-30-C	☐	3"	4	0.92	50	4	
EPRI0604-05-C	☐	30'	4	0.67	50	4	
EPRI0606-05-C	☐	30'	6	0.7	50	4	
EPRI0604-07-C	☐	45'	4	0.7	50	4	
EPRI0606-07-C	☐	45'	6	0.76	50	4	
EPRI0604-10-C	☐	1"	4	0.74	50	4	
EPRI0606-10-C	☐	1"	6	0.81	50	4	
EPRI0604-15-C	☐	1" 30'	4	0.81	50	4	
EPRI0606-15-C	☐	1" 30'	6	0.91	50	4	
EPRI0604-20-C	☐	2"	4	0.88	50	4	
EPRI0606-20-C	☐	2"	6	1.02	50	4	
EPRI0604-30-C	☐	3"	4	1.02	50	4	
EPRI0704-05-C	☐	30'	4	0.77	50	4	
EPRI0706-05-C	☐	30'	6	0.8	50	4	
EPRI0708-05-C	☐	30'	8	0.84	50	4	
EPRI0706-07-C	☐	45'	6	0.86	50	4	
EPRI0708-07-C	☐	45'	8	0.91	50	4	
EPRI0704-10-C	☐	1"	4	0.84	50	4	
EPRI0706-10-C	☐	1"	6	0.91	50	4	
EPRI0708-10-C	☐	1"	8	0.98	50	4	
EPRI0704-15-C	☐	1" 30'	4	0.91	50	4	
EPRI0706-15-C	☐	1" 30'	6	1.01	50	4	
EPRI0708-15-C	☐	1" 30'	8	1.12	50	4	
EPRI0704-20-C	☐	2"	4	0.98	50	4	
EPRI0706-20-C	☐	2"	6	1.12	50	4	
EPRI0708-20-C	☐	2"	8	1.26	50	4	
EPRI0706-30-C	☐	3"	6	1.33	50	4	
EPRI0806-05-C	☐	30'	6	0.91	50	4	
EPRI0808-05-C	☐	30'	8	0.94	50	4	
EPRI0810-05-C	☐	30'	10	0.98	50	4	
EPRI0806-07-C	☐	45'	6	0.96	50	4	
EPRI0808-07-C	☐	45'	8	1.01	50	4	
EPRI0810-07-C	☐	45'	10	1.06	50	4	
EPRI0806-10-C	☐	1"	6	1.01	50	4	
EPRI0808-10-C	☐	1"	8	1.08	50	4	
EPRI0810-10-C	☐	1"	10	1.15	50	4	
EPRI0806-15-C	☐	1" 30'	6	1.11	50	4	
EPRI0808-15-C	☐	1" 30'	8	1.22	50	4	
EPRI0810-15-C	☐	1" 30'	10	1.32	50	4	
EPRI0806-20-C	☐	2"	6	1.22	50	4	
EPRI0808-20-C	☐	2"	8	1.36	50	4	
EPRI0810-20-C	☐	2"	10	1.5	50	4	
EPRI0806-30-C	☐	3"	6	1.43	50	4	
EPRI0810-30-C	☐	3"	10	1.85	50	4	
EPRI0906-05-C	☐	30'	6	1	50	4	
EPRI0908-05-C	☐	30'	8	1.04	50	4	
EPRI0910-05-C	☐	30'	10	1.07	50	4	
EPRI0906-07-C	☐	45'	6	1.06	50	4	
EPRI0908-07-C	☐	45'	8	1.11	50	4	
EPRI0910-07-C	☐	45'	10	1.16	50	4	
EPRI0906-10-C	☐	1"	6	1.11	50	4	
EPRI0908-10-C	☐	1"	8	1.18	50	4	
EPRI0910-10-C	☐	1"	10	1.25	50	4	

商品コード Item code	在庫 Stock	寸法 Size (mm)					
		外径 Tool dia.	溝深・溝間 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI0906-15-C	☐	1" 30'	6	1.21	50	4	
EPRI0908-15-C	☐	1" 30'	8	1.32	50	4	
EPRI0910-15-C	☐	1" 30'	10	1.42	50	4	
EPRI0906-20-C	☐	2"	6	1.32	50	4	
EPRI0908-20-C	☐	2"	8	1.46	50	4	
EPRI0910-20-C	☐	2"	10	1.6	50	4	
EPRI0908-30-C	☐	3"	8	1.74	50	4	
EPRI1006-05-C	☐	30'	6	1.11	50	4	
EPRI1008-05-C	☐	30'	8	1.14	50	4	
EPRI1010-05-C	☐	30'	10	1.17	50	4	
EPRI1012-05-C	☐	30'	12	1.21	50	4	
EPRI1016-05-C	☐	30'	16	1.28	50	4	
EPRI1008-07-C	☐	45'	8	1.21	50	4	
EPRI1010-07-C	☐	45'	10	1.26	50	4	
EPRI1012-07-C	☐	45'	12	1.31	50	4	
EPRI1006-10-C	☐	1"	6	1.21	50	4	
EPRI1008-10-C	☐	1"	8	1.28	50	4	
EPRI1010-10-C	☐	1"	10	1.35	50	4	
EPRI1012-10-C	☐	1"	12	1.42	50	4	
EPRI1016-10-C	☐	1"	16	1.56	50	4	
EPRI1006-15-C	☐	1" 30'	6	1.31	50	4	
EPRI1008-15-C	☐	1" 30'	8	1.42	50	4	
EPRI1010-15-C	☐	1" 30'	10	1.52	50	4	
EPRI1012-15-C	☐	1" 30'	12	1.63	50	4	
EPRI1016-15-C	☐	1" 30'	16	1.84	50	4	
EPRI1006-20-C	☐	2"	6	1.42	50	4	
EPRI1008-20-C	☐	2"	8	1.56	50	4	
EPRI1010-20-C	☐	2"	10	1.7	50	4	
EPRI1012-20-C	☐	2"	12	1.84	50	4	
EPRI1016-20-C	☐	2"	16	2.12	50	4	
EPRI1008-30-C	☐	3"	8	1.84	50	4	
EPRI1012-30-C	☐	3"	12	2.26	50	4	
EPRI1206-05-C	☐	30'	6	1.31	50	4	
EPRI1208-05-C	☐	30'	8	1.34	50	4	
EPRI1210-05-C	☐	30'	10	1.38	50	4	
EPRI1212-05-C	☐	30'	12	1.41	50	4	
EPRI1216-05-C	☐	30'	16	1.48	50	4	
EPRI1220-05-C	☐	30'	20	1.55	60	4	
EPRI1208-07-C	☐	45'	8	1.41	50	4	
EPRI1210-07-C	☐	45'	10	1.46	50	4	
EPRI1212-07-C	☐	45'	12	1.51	50	4	
EPRI1216-07-C	☐	45'	16	1.62	50	4	
EPRI1206-10-C	☐	1"	6	1.41	50	4	
EPRI1208-10-C	☐	1"	8	1.48	50	4	
EPRI1210-10-C	☐	1"	10	1.55	50	4	
EPRI1212-10-C	☐	1"	12	1.62	50	4	
EPRI1216-10-C	☐	1"	16	1.76	50	4	
EPRI1220-10-C	☐	1"	20	1.9	60	4	
EPRI1206-15-C	☐	1" 30'	6	1.51	50	4	
EPRI1208-15-C	☐	1" 30'	8	1.62	50	4	
EPRI1210-15-C	☐	1" 30'	10	1.72	50	4	
EPRI1212-15-C	☐	1" 30'	12	1.83	50	4	
EPRI1216-15-C	☐	1" 30'	16	2.04	50	4	
EPRI1206-20-C	☐	2"	6	1.62	50	4	
EPRI1208-20-C	☐	2"	8	1.76	50	4	
EPRI1210-20-C	☐	2"	10	1.9	50	4	
EPRI1212-20-C	☐	2"	12	2.04	50	4	
EPRI1216-20-C	☐	2"	16	2.32	50	4	
EPRI1210-30-C	☐	3"	10	2.25	50	4	
EPRI1216-30-C	☐	3"	16	2.88	50	4	
EPRI1508-05-C	☐	30'	8	1.64	50	4	
EPRI1510-05-C	☐	30'	10	1.67	50	4	
EPRI1512-05-C	☐	30'	12	1.71	50	4	

商品コード Item code	在庫 Stock	寸法 Size (mm)					
		外径 Tool dia.	溝深・溝間 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI1516-05-C	☐	1.5	30'	16	1.78	50	4
EPRI1520-05-C	☐		30'	20	1.85	60	4
EPRI1508-07-C	☐		45'	8	1.71	50	4
EPRI1510-07-C	☐		45'	10	1.76	50	4
EPRI1512-07-C	☐		45'	12	1.81	50	4
EPRI1516-07-C	☐		45'	16	1.92	50	4
EPRI1520-07-C	☐		45'	20	2.02	60	4
EPRI1508-10-C	☐		1"	8	1.78	50	4
EPRI1510-10-C	☐		1"	10	1.85	50	4
EPRI1512-10-C	☐		1"	12	1.92	50	4
EPRI1516-10-C	☐		1"	16	2.06	50	4
EPRI1520-10-C	☐		1"	20	2.2	60	4
EPRI1508-15-C	☐		1" 30'	8	1.92	50	4
EPRI1510-15-C	☐		1" 30'	10	2.02	50	4
EPRI1512-15-C	☐		1" 30'	12	2.13	50	4
EPRI1516-15-C	☐		1" 30'	16	2.34	50	4
EPRI1520-15-C	☐		1" 30'	20	2.55	60	4
EPRI1508-20-C	☐		2"	8	2.06	50	4
EPRI1510-20-C	☐		2"	10	2.2	50	4
EPRI1512-20-C	☐		2"	12	2.34	50	4
EPRI1516-20-C	☐		2"	16	2.62	50	4
EPRI1520-20-C	☐		2"	20	2.9	60	4
EPRI1512-30-C	☐		3"	12	2.76	50	4
EPRI1520-30-C	☐		3"	20	3.6	60	4
EPRI1608-05-C	☐	1.6	30'	8	1.74	50	4
EPRI1610-05-C	☐		30'	10	1.77	50	4
EPRI1612-05-C	☐		30'	12	1.81	50	4
EPRI1616-05-C	☐		30'	16	1.88	50	4
EPRI1620-05-C	☐		30'	20	1.95	60	4
EPRI1608-07-C	☐		45'	8	1.81	50	4
EPRI1610-07-C	☐		45'	10	1.86	50	4
EPRI1612-07-C	☐		45'	12	1.91	50	4
EPRI1616-07-C	☐		45'	16	2.02	50	4
EPRI1620-07-C	☐		45'	20	2.12	60	4
EPRI1608-10-C	☐		1"	8	1.88	50	4
EPRI1610-10-C	☐		1"	10	1.95	50	4
EPRI1612-10-C	☐		1"	12	2.02	50	4
EPRI1616-10-C	☐		1"	16	2.16	50	4
EPRI1620-10-C	☐		1"	20	2.3	60	4
EPRI1608-15-C	☐		1" 30'	8	2.02	50	4
EPRI1610-15-C	☐		1" 30'	10	2.12	50	4
EPRI1612-15-C	☐		1" 30'	12	2.23	50	4
EPRI1616-15-C	☐		1" 30'	16	2.44	50	4
EPRI1620-15-C	☐		1" 30'	20	2.65	60	4
EPRI1608-20-C	☐		2"	8	2.16	50	4
EPRI1610-20-C	☐		2"	10	2.3	50	4
EPRI1612-20-C	☐		2"	12	2.44	50	4
EPRI1616-20-C	☐		2"	16	2.72	50	4
EPRI1620-20-C	☐	2"	20	3	60	4	
EPRI1612-30-C	☐	3"	12	2.86	50	4	
EPRI1620-30-C	☐	3"	20	3.7	60	4	
EPRI1808-05-C	☐	1.8	30'	8	1.94	50	4
EPRI1810-05-C	☐		30'	10	1.97	50	4
EPRI1812-05-C	☐		30'	12	2.01	50	4
EPRI1816-05-C	☐		30'	16	2.08	50	4
EPRI1820-05-C	☐		30'	20	2.15	60	4
EPRI1808-07-C	☐		45'	8	2.01	50	4
EPRI1810-07-C	☐		45'	10	2.06	50	4
EPRI1812-07-C	☐		45'	12	2.11	50	4
EPRI1816-07-C	☐		45'	16	2.22	50	4
EPRI1820-07-C	☐		45'	20	2.32	60	4
EPRI1808-10-C	☐		1"	8	2.08	50	4
EPRI1810-10-C	☐		1"	10	2.15	50	4

EPRI○○○○○-○○○-C

商品コード	在庫	寸法 Size (mm)					
Item code	Stock	外径 Tool dia.	溝角 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI1812-10-C	□	1°	12	2.22	50	4	
EPRI1816-10-C	□	1°	16	2.36	50	4	
EPRI1820-10-C	□	1°	20	2.5	60	4	
EPRI1808-15-C	□	1° 30'	8	2.22	50	4	
EPRI1810-15-C	□	1° 30'	10	2.32	50	4	
EPRI1812-15-C	□	1° 30'	12	2.43	50	4	
EPRI1816-15-C	□	1° 30'	16	2.64	50	4	
EPRI1820-15-C	□	1° 30'	20	2.85	60	4	
EPRI1808-20-C	□	2°	8	2.36	50	4	
EPRI1810-20-C	□	2°	10	2.5	50	4	
EPRI1812-20-C	□	2°	12	2.64	50	4	
EPRI1816-20-C	□	2°	16	2.92	50	4	
EPRI1820-20-C	□	2°	20	3.2	60	4	
EPRI1812-30-C	□	3°	12	3.06	50	4	
EPRI1820-30-C	□	3°	20	3.9	60	4	
EPRI2010-05-C	□	30'	10	2.17	50	4	
EPRI2012-05-C	□	30'	12	2.21	50	4	
EPRI2016-05-C	□	30'	16	2.28	50	4	
EPRI2020-05-C	□	30'	20	2.35	60	4	
EPRI2025-05-C	□	30'	25	2.44	60	4	
EPRI2010-07-C	□	45'	10	2.26	50	4	
EPRI2012-07-C	□	45'	12	2.31	50	4	
EPRI2016-07-C	□	45'	16	2.42	50	4	
EPRI2020-07-C	□	45'	20	2.52	60	4	
EPRI2025-07-C	□	45'	25	2.65	60	4	
EPRI2010-10-C	□	1°	10	2.35	50	4	
EPRI2012-10-C	□	1°	12	2.42	50	4	
EPRI2016-10-C	□	1°	16	2.56	50	4	
EPRI2020-10-C	□	1°	20	2.7	60	4	
EPRI2025-10-C	□	1°	25	2.87	60	4	
EPRI2010-15-C	□	1° 30'	10	2.52	50	4	

商品コード	在庫	寸法 Size (mm)					
Item code	Stock	外径 Tool dia.	溝角 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI2012-15-C	□	1° 30'	12	2.63	50	4	
EPRI2016-15-C	□	1° 30'	16	2.84	50	4	
EPRI2020-15-C	□	1° 30'	20	3.05	60	4	
EPRI2025-15-C	□	1° 30'	25	3.31	60	4	
EPRI2010-20-C	□	2°	10	2.7	50	4	
EPRI2012-20-C	□	2°	12	2.87	50	4	
EPRI2016-20-C	□	2°	16	3.12	50	4	
EPRI2020-20-C	□	2°	20	3.4	60	4	
EPRI2025-20-C	□	2°	25	3.75	60	4	
EPRI2016-30-C	□	3°	16	3.68	50	4	
EPRI2025-30-C	□	3°	25	4.62	60	6	
EPRI2510-05-C	□	30'	10	2.67	50	4	
EPRI2512-05-C	□	30'	12	2.71	50	4	
EPRI2516-05-C	□	30'	16	2.78	50	4	
EPRI2520-05-C	□	30'	20	2.85	60	6	
EPRI2525-05-C	□	30'	25	2.94	60	6	
EPRI2530-05-C	□	30'	30	3.02	75	6	
EPRI2510-07-C	□	45'	10	2.76	50	4	
EPRI2512-07-C	□	45'	12	2.81	50	4	
EPRI2516-07-C	□	45'	16	2.92	50	4	
EPRI2520-07-C	□	45'	20	3.02	60	6	
EPRI2525-07-C	□	45'	25	3.15	60	6	
EPRI2530-07-C	□	45'	30	3.29	75	6	
EPRI2510-10-C	□	1°	10	2.85	50	4	
EPRI2512-10-C	□	1°	12	2.92	50	4	
EPRI2516-10-C	□	1°	16	3.06	50	4	
EPRI2520-10-C	□	1°	20	3.2	60	6	
EPRI2525-10-C	□	1°	25	3.37	60	6	
EPRI2530-10-C	□	1°	30	3.55	75	6	
EPRI2510-15-C	□	1° 30'	10	3.02	50	4	

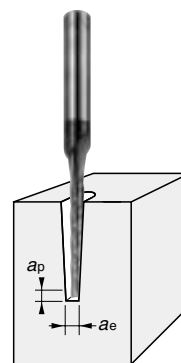
商品コード	在庫	寸法 Size (mm)					
Item code	Stock	外径 Tool dia.	溝角 Taper angle on side	刃長 Flute length	大端径 Large side dia.	全長 Overall length	シャンク径 Shank dia.
EPRI2512-15-C	□	1° 30'	12	3.13	50	4	
EPRI2516-15-C	□	1° 30'	16	3.34	50	4	
EPRI2520-15-C	□	1° 30'	20	3.55	60	6	
EPRI2525-15-C	□	1° 30'	25	3.81	60	6	
EPRI2530-15-C	□	1° 30'	30	4.12	75	6	
EPRI2510-20-C	□	2°	10	3.2	50	4	
EPRI2512-20-C	□	2°	12	3.34	50	4	
EPRI2516-20-C	□	2°	16	3.62	50	4	
EPRI2520-20-C	□	2°	20	3.9	60	6	
EPRI2525-20-C	□	2°	25	4.25	60	6	
EPRI2530-20-C	□	2°	30	4.6	75	6	
EPRI2520-30-C	□	3°	20	4.6	60	6	
EPRI2525-30-C	□	3°	25	5.12	60	6	
EPRI2530-30-C	□	3°	30	5.64	75	6	
EPRI3025-05-C	□	30'	25	3.44	60	6	
EPRI3030-05-C	□	30'	30	3.52	75	6	
EPRI3040-05-C	□	30'	40	3.7	75	6	
EPRI3025-07-C	□	45'	25	3.65	60	6	
EPRI3040-07-C	□	45'	40	4.05	75	6	
EPRI3020-10-C	□	1°	20	3.7	60	6	
EPRI3025-10-C	□	1°	25	3.87	60	6	
EPRI3030-10-C	□	1°	30	4.05	75	6	
EPRI3040-10-C	□	1°	40	4.4	75	6	
EPRI3025-15-C	□	1° 30'	25	4.31	60	6	
EPRI3040-15-C	□	1° 30'	40	5.09	75	6	
EPRI3025-20-C	□	2°	25	4.75	60	6	
EPRI3030-20-C	□	2°	30	5.1	75	6	
EPRI3040-20-C	□	2°	40	5.79	75	6	
EPRI3025-30-C	□	3°	25	5.62	60	6	
EPRI3040-30-C	□	3°	40	7.19	80	8	

Carbide End Mills
Stocked by Specified distributor

標準切削条件表 Recommended cutting conditions

EPRI-C

外径DC Tool dia. mm	切削条件 Cutting conditions	切込み (a _p) Depth of cut mm/pass	切削速度 (v _c) 50~75m/min	送り速度 (v _f) mm/min
			回転数 (n) min ⁻¹	
0.5		0.01~0.02	30,000~32,000	400~ 600
0.6		0.01~0.02	26,000~30,000	400~ 800
0.7		0.01~0.03	23,000~30,000	400~ 800
0.8		0.01~0.03	20,000~30,000	400~1,000
0.9		0.02~0.04	18,000~27,000	400~1,000
1.0		0.03~0.05	16,000~24,000	400~1,200
1.2		0.03~0.06	13,000~20,000	400~1,200
1.5		0.03~0.08	10,000~16,000	400~1,200
1.6		0.04~0.10	10,000~15,000	400~1,200
1.8		0.04~0.12	9,000~13,000	400~1,200
2.0		0.05~0.15	8,000~12,000	400~1,200
2.5		0.07~0.20	6,500~ 9,500	400~1,200
3.0		0.09~0.25	5,500~ 8,000	400~1,200



ae = DC
ap = 表参照

- [注意]** ① 溝深さの浅い場合は刃長の短いエンドミルをご使用ください。
 ② コーナ部の加工は送り速度を約1/2に、軸方向送り1/5以下を目安にしてください。
 ③ この標準切削条件表は切削条件の目安を示すものです。実際の加工では加工形状、目的、使用機械等により条件を調整してください。
 ④ 切削油（できるだけ油性切削油）をご使用ください。

- [Note]** ① Use short length for shallow slots.
 ② Reduce the feed speed at the table to 50% at the corner and 1/5 at plunging.
 ③ These Recommended Cutting Conditions indicate only the rule of a thumb for the cutting conditions.
 In actual machining, the condition should be adjusted according to the machining shape, purpose and the machine type.
 ④ Oil base coolant is recommended.

対応被削材 Applicable work material

炭素鋼 合金鋼 Carbon steel Alloy steel	プリハー ド鋼 Pre-hardened steel	高硬度 Hardened steel			ステン レス鋼 Stainless steel	チタン合金 耐熱合金 Titanium alloy Heat-resistant alloy	銅合金 Copper alloy	アルミ 合金 Aluminum alloy
○	○	> 45HRC ≤ 55HRC	> 55HRC ≤ 65HRC	> 65HRC	○	○	○	○