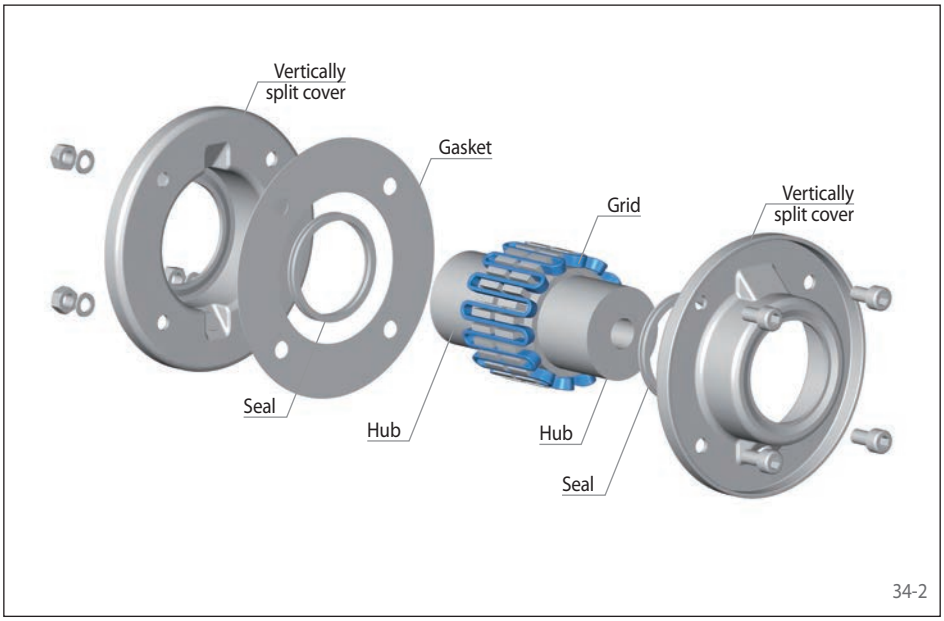
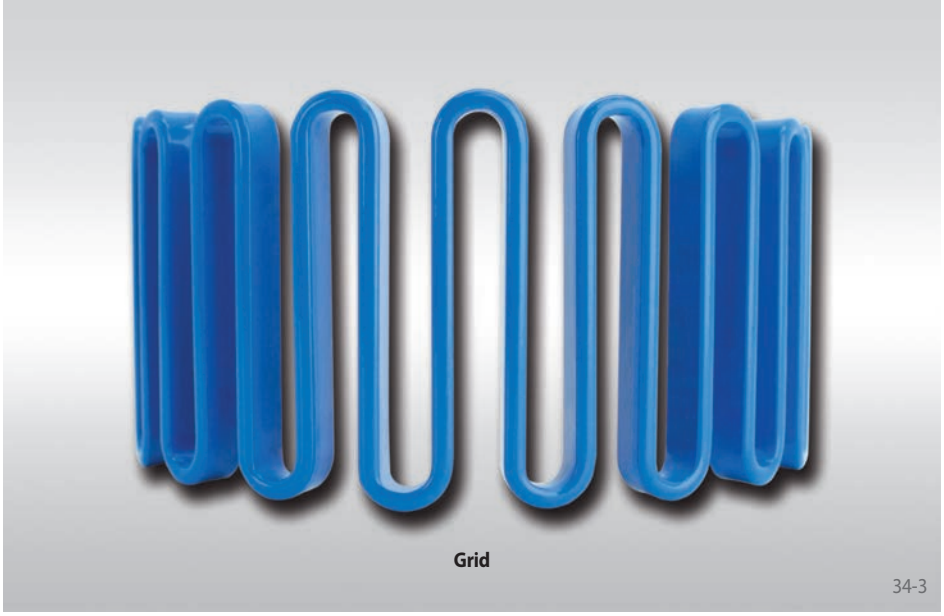
Grid Couplings RES … ETO

elastic
vertically split cover

Features

- Nominal torques up to 169000 Nm
- Compensation of axial, radial and angular misalignments
- Gradual increase in torsional rigidity as torques increase
- Vertically split cover
- Easy replacement of the grid
- Typical application: Crushers, reels, mills, calenders, mixers, belt drives

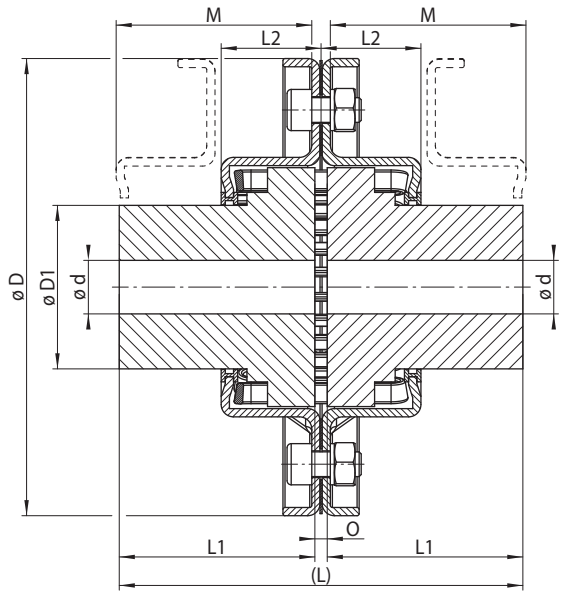




Order example

	Code
Coupling design	RES
Coupling size	1030
Type	ETO
Material of the hub: • Steel	STA
Hub A, type: • 0, standard	0
Hub A, design: • finish bored with keyway • roughbored	FB VA
Bore diameter hub A	025
Hub B, type: • 0, standard	0
Hub B, design: • finish bored with keyway • roughbored	FB VA
Bore diameter hub B	032
Grid	ST00

RES 1030 ETO-STA-0FB025-0FB032-ST00



35-1

Coupling size	Nominal torque T_{KN}	Nominal power at 100 min^{-1} P_{K100}	Max. speed n_{max}	Pilot bore d*	Bore d*		D	D1	L	L1	L2	M**	O	Permissible misalignments			Weight grease filling	Weight with max. bore
					min.	max.								Axial	Radial	Angular		
	Nm	kW	min^{-1}	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°	kg	kg
1020	48	0,50	6000	16	18	30	111,0	39,7	98,0	47,5	24,0	47,5	3,0	±0,3	0,3		0,03	2,0
1030	136	1,40	6000	16	18	36	121,0	49,2	98,0	47,5	25,0	47,5	3,0	±0,3	0,3		0,03	2,6
1040	226	2,30	6000	16	18	44	128,5	57,1	104,5	51,0	25,5	51,0	3,0	±0,3	0,3		0,05	3,4
1050	395	4,10	6000	16	18	51	147,5	66,7	123,5	60,5	31,0	60,5	3,0	±0,3	0,4		0,05	5,4
1060	620	6,49	6000	18	20	56	162,0	76,2	130,0	63,5	32,0	63,5	3,0	±0,3	0,4		0,09	7,3
1070	900	9,39	5500	18	20	67	173,0	87,3	155,5	76,0	33,5	76,0	3,0	±0,3	0,4		0,11	10,4
1080	1860	19,48	4750	25	27	80	200,0	104,8	181,0	89,0	44,0	89,0	3,0	±0,3	0,4		0,17	17,7
1090	3380	34,96	4000	25	27	95	232,0	123,8	200,0	98,5	47,5	98,5	3,0	±0,3	0,4		0,25	25,4
1100	5700	59,44	3250	40	42	110	267,0	142,0	245,5	120,5	60,0	120,5	4,5	±0,45	0,4		0,43	42,2
1110	8400	87,90	3000	37	42	120	286,0	160,3	258,5	127,0	64,0	127,0	4,5	±0,45	0,5	0,25	0,51	54,4
1120	12400	129,86	2700	56	61	140	319,0	179,4	304,5	149,0	73,5	149,0	6,0	±0,6	0,5		0,73	81,6
1130	18000	188,79	2400	62	67	170	378,0	217,5	330,0	162,0	75,0	162,0	6,0	±0,6	0,56		0,91	122,5
1140	25900	271,70	2200	62	67	200	416,0	254,0	371,5	183,0	78,0	183,0	6,0	±0,6	0,56		1,13	180,1
1150	36100	378,59	2000	103	108	215	476,5	269,2	372,0	183,0	107,0	183,0	6,0	±0,6	0,56		1,95	230,0
1160	50500	532,40	1750	116	121	240	533,5	304,8	402,0	198,0	114,5	198,0	6,0	±0,6	0,6		2,81	321,1
1170	67500	709,38	1600	129	134	280	584,0	355,6	438,0	216,0	120,0	216,0	6,0	±0,6	0,6		3,49	448,2
1180	93500	983,68	1400	148	153	300	630,0	393,7	483,5	239,0	130,0	239,0	6,0	±0,6	0,76		3,76	591,0
1190	124000	1300,53	1300	148	153	335	685,0	436,9	524,0	260,0	135,0	259,0	6,0	±0,6	0,76		4,4	761,0
1200	169000	1773,46	1100	173	178	360	737,0	497,8	565,0	279,5	145,0	279,5	6,0	±0,6	0,76		5,62	1021,0

For finish bores, please specify bore diameter hub A and hub B. Tolerance of finish bores H7. Keyways in accordance with DIN 6885, sheet 1. Keyway tolerance JS9.
* Bores also available in inch size, see page 68.
** Minimum necessary space to align the shafts.