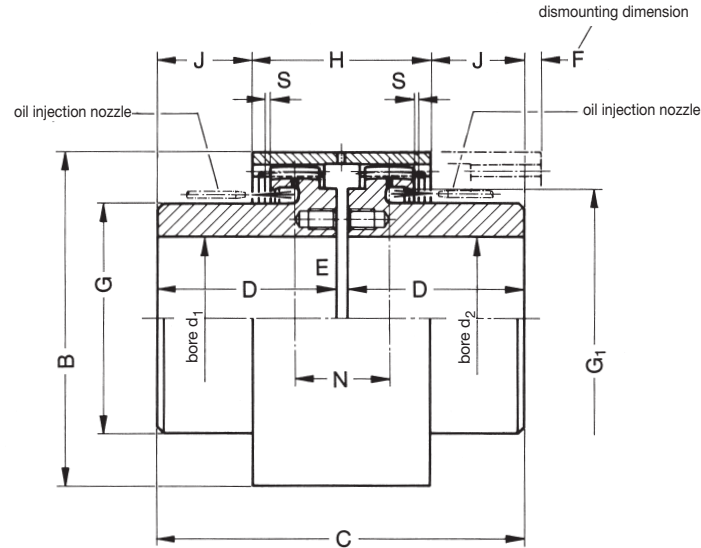


# Curved Tooth Couplings High-Speed Series THB



Hardened gear teeth

Dimension table No. 243 116/1



For coupling selection and size determination, please see page 5.

1) Values of the complete coupling with bore d<sub>1</sub>; d<sub>2 max</sub>

Larger sizes on request.

Coupling Type THB	Normal cont. operation $\frac{P_{KN}}{n}$	Speed $n_{max}$ rpm	Dimensions													Oil injection nozzles per half Quantity and size mm	Total oil requirement per min at 1.5 bar pressure litre	Torsional spring rate <sup>1)</sup> G <sub>1</sub> MNm/rad	Mass moment of inertia J <sup>1)</sup> kgm <sup>2</sup>	Weight <sup>1)</sup> kg
			bore d <sub>1</sub> ; d <sub>2</sub> min max		B	C	D	E	F	G	G <sub>1</sub>	H	J	N	S					
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm					
30	0,089	25.000	12	30	85	105	50	5	10	45	55	59	23	30	1,5	1xØ2	4,5	0,69	0,00175	2
40	0,161	22.500	22	42	105	125	60	5	10	62	72	65	30	30	1,5	1xØ2	4,5	1,73	0,008	3,6
50	0,287	20.000	22	55	125	145	70	5	5	77	88	70	37,5	31	1,5	1xØ2	4,5	3,23	0,0125	6
60	0,560	18.000	28	65	148	166	80	6	5	92	105	80	43	41	1,5	1xØ2,5	7	5,91	0,0275	9,4
70	0,893	16.000	28	75	168	186	90	6	10	105	120	95	45,5	49	2	1xØ2,5	7	8,92	0,050	13,4
80	1,278	14.000	32	85	185	206	100	6	10	120	135	100	53	51	2	1xØ3	10	12,84	0,083	18,2
90	1,803	12.500	32	100	210	228	110	8	10	140	155	110	59	58	2	1xØ3	10	21,25	0,160	27,5
100	2,240	11.200	55	110	224	248	120	8	10	154	170	120	64	63	2	1xØ3,5	13	27,08	0,225	33
110	3,238	10.000	65	120	245	268	130	8	10	168	185	130	69	70	2,5	1xØ3,5	13	35,58	0,35	42
125	4,498	9.000	75	130	272	310	150	10	10	186	205	150	80	84	3	1xØ3,5	13	47,38	0,60	60
140	6,370	8.000	85	150	305	340	165	10	10	210	235	165	87,5	94	3	2xØ3	20	69,94	1,15	84
160	10,063	7.100	120	170	348	392	190	12	10	240	265	190	101	108	4	2xØ3	20	101,88	2,08	125
180	14,368	6.300	140	190	392	452	220	12	10	270	300	220	116	124	4	2xØ3,5	26	143,83	3,83	185
200	20,125	5.600	160	210	445	504	245	14	15	310	340	245	129,5	142	4	2xØ3,5	26	222,40	7,38	280

Subject to change due to technical improvement.