

Curved Tooth Couplings

Construction Series HBk

Dimension Table No. 243 145



Fig. 1: Sizes 140 - 450

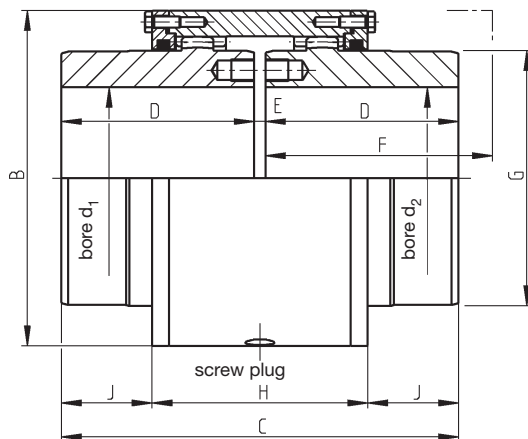
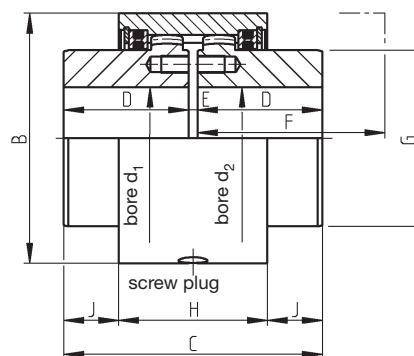


Fig. 2: Sizes 30 - 125 (TRAVEX®)



For coupling selection, please see page 6.

The dismounting dimension F is required for the vertical installation and removal of the machines and O-ring replacement.

Torsional stiffness values are contained in the data table for HBk-type couplings.

1) Based on a permissible angular misalignment of $\Delta K_{w \text{ perm.}} = 0.75^\circ$ per coupling half.

2) Values for the complete coupling, with bore d_1 ; $d_{2 \text{ max.}}$.

3) The maximum speed capacity is determined by the misalignment. Please see table 'Speed Factors'.

Sizes 30 to 160 available from stock.
Other sizes available on request.

Higher misalignment capacity is possible, but requires special measures.

Type HBk	Norm. cont. duty	Speed ³⁾	Dimensions										Max. static radial misalign- ment $\Delta K_{max.}^{1)}$	Total grease quantity	Mass ²⁾ moment of inertia J	Weight ²⁾
			bore $d_1;d_2$		B	C	D	E	F	G	H	J				
	Size	$\frac{P_{KN}}{n}$	$n_{max.}$	min mm												
30	0.047	9000	12	32	74	85	40	5	85	45	73	6	±0.67	0.02	0.0015	1.8
40	0.115	7500	18	42	95	105	50	5	95	60	81	12	±0.70	0.04	0.0043	3.3
50	0.183	6900	20	55	115	125	60	5	110	78	89	18	±0.78	0.06	0.0108	5.7
60	0.387	6300	24	65	138	145	70	5	120	95	102	21.5	±0.85	0.07	0.0288	10.3
75	0.691	5600	28	78	158	166	80	6	130	110	109	28.5	±0.99	0.10	0.0528	14.3
90	1.16	5000	32	95	188	207	100	7	150	135	117	45	±1.08	0.17	0.114	22.6
105	1.82	4500	35	110	220	228	110	8	165	155	131	48.5	±1.20	0.28	0.237	35.5
125	2.73	4000	38	128	250	248	120	8	175	180	149	49.5	±1.36	0.35	0.45	50
140	4.60	3700	75	162	295	350	170	10	200	224.5	190	80	±1.44	0.82	1.15	89
160	6.48	3400	85	185	325	392	190	12	230	256.5	214	89	±1.70	1.2	1.9	120
180	9.24	3100	120	210	370	452	220	12	260	288.5	240	106	±1.89	1.7	3.0	174
200	12.92	2900	140	230	415	514	250	14	300	320.5	272	121	±2.12	2.2	6.2	251
225	18.4	2700	160	260	465	576	280	16	330	362	308	134	±2.42	3.5	11.6	350
250	25.6	2400	160	280	510	620	300	20	350	400	292	164	±2.46	3.8	14.8	435
265	32.8	2200	180	310	560	680	330	20	380	440	332	174	±2.83	4.5	24.5	600
280	41.0	2100	200	325	595	680	330	20	380	460	292	194	±2.23	5	28.4	636
315	51.4	2000	220	360	660	740	360	20	420	510	330	205	±2.54	5.5	47.5	840
335	64.8	1900	240	380	675	780	380	20	440	535	342	219	±2.61	6	56.2	960
355	82.0	1800	260	410	725	825	400	25	460	580	368	228.5	±2.83	7	78.5	1150
375	98.6	1700	280	440	795	865	420	25	480	620	416	224.5	±3.26	11	118.6	1465
400	118.3	950	330	470	840	905	440	25	500	665	464	220.5	±3.77	16	158	1720
425	138.0	900	355	500	890	945	460	25	520	710	493	226	±4.03	19	221	2120
450	165.1	875	370	520	925	990	480	30	550	730	506	242	±4.14	20	261	2290

Subject to change due to technical improvement.