HRC couplings



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Power ratings (kW)

Speed rev/min	Coupling size							
	70,00	90,00	110,00	130,00	150,00	180,00	230,00	280,00
100	0,33	0,84	1,68	3,30	6,28	9,95	20,90	33,00
200	0,66	1,68	3,35	6,60	12,60	19,90	41,90	66,00
400	1,32	3,35	6,70	13,20	25,10	39,80	83,80	132,00
600	1,98	5,03	10,10	19,80	37,70	59,70	126,00	198,00
720	2,37	6,03	12,10	23,80	45,20	71,60	151,00	238,00
800	2,64	6,70	13,40	26,40	50,30	79,60	168,00	264,00
960	3,17	8,40	16,10	31,70	60,30	95,50	210,00	317,00
1200	3,96	10,10	20,10	39,60	75,40	119,00	251,00	396,00
1440	4,75	12,10	24,10	47,50	90,50	143,00	302,00	475,00
1600	5,28	13,40	26,80	52,80	101,00	159,00	335,00	528,00
1800	5,94	15,10	30,20	59,40	113,00	179,00	377,00	594,00
2000	6,60	16,80	33,50	66,00	126,00	199,00	419,00	660,00
2200	7,26	18,40	36,90	72,60	138,00	219,00	461,00	726,00
2400	7,92	20,10	40,20	79,20	151,00	239,00	503,00	
2600	8,58	21,80	43,60	85,80	163,00	259,00	545,00	
2880	9,50	24,10	48,30	95,00	181,00	286,00		
3000	9,90	25,10	50,30	99,00	188,00	298,00		
3600	11,90	30,10	60,30	118,00	226,00			
Nominal Torque (Nm)	31,50	80	160	315	600	950	2000	3150
Max Torque (Nm)	72	180	360	720	1500	2350	5000	7200

Physical characteristics

Characteristic	Coupling size							
	70	90	110	130	150	180	230	280
Maximum Speed* rev/min	8300	6740	5110	4400	3800	3180	2540	2080
Nominal Torque (Nm)	31,5	80	160	315	600	950	2000	3150
Maximum Torque (Nm)	72	180	360	720	1500	2350	5000	7200
Maximum Parallel Misalignment (mm)	0,3	0,3	0,3	0,4	0,4	0,4	0,5	0,5
Maximum axial Misalignment (mm)	0,2	0,5	0,6	0,8	0,9	1,1	1,3	1,7

* Maximum coupling speeds are calculated using an allowable peripheral speed for the hub material. For selection of small sizes above 3600 rev/mm - consult.

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Dimensions

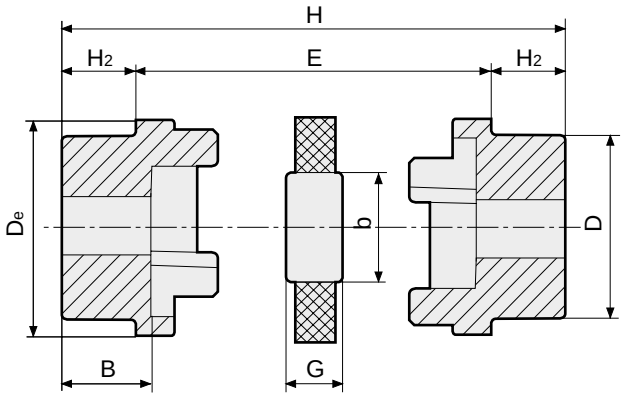
Type	Power 100 rpm (kW)	Bush	Min bore	Max. bore	H_2	B	E	H	J*	Maximum misalignment		Maximum revolution n(rpm)	Moment of inertia (kg/cm³)	De	D	b	G
										Parallel	Axial						
70	0,33	1008	9	25	20	23,5	25	65	29	0,3	+0,2	9100	8,5	69	60	31	18
90	8,84	1108	9	28	19,5	23,5	30,5	69,5	29	0,3	+0,5	7400	11,5	85	70	32	22,5
110	1,68	1610	14	42	18,5	26,5	45	82	38	0,3	+0,6	5630	40	112	100	45	29
130	3,30	1610	14	42	18	26,5	53	89	38	0,4	+0,8	4850	78	130	105	50	36
150	6,28	2012	14	50	23,5	33,5	60	107	42	0,4	+0,9	4200	181	150	115	62	40
180	9,95	2517	16	60	34,5	46,5	73	142	48	0,4	+1,1	3500	434	180	125	77	49
230	20,90	3020	25	75	39,5	52,5	85,5	165	55	0,5	+1,3	2800	1207	225	155	99	59,5
280	33	3525	35	100	51	66,5	106	208	67	0,5	+1,7	2300	4465	275	206	119	74,5

J = The wrench clerance required for tightening and losening the bush on the shaft.

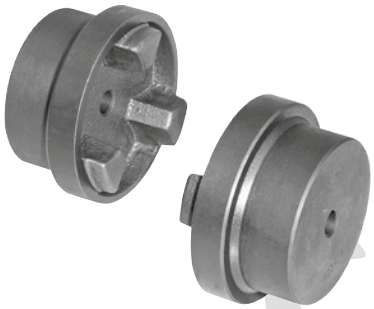
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Elastomeric shaft coupling HRC-M standard straight bore series

Type	Power 100 rpm (kW)	Min bore	Max. bore	H_2	B	E	H	De	D	b	G
70	0,33	10	32	20	23,5	25,0	65,0	69	60	31	18,0
90	8,84	10	42	26	30,0	30,5	82,5	85	70	32	22,5
110	1,68	10	55	37	45,0	45,0	119,0	112	100	45	29,0
130	3,30	14	60	47	55,5	53,0	147,0	130	105	50	36,0
150	6,28	19	70	50	60,0	60,0	160,0	150	115	62	40,0
180	9,95	35	80	58	70,0	73,0	189,0	180	125	77	49,0
230	20,90	38	100	77	90,0	85,5	239,5	225	155	99	59,5
280	33,00	48	130	90	105,5	105,5	285,5	275	206	119	74,5



Type	Hubs Max. bore		Dimensions [mm]								Kg
	MM	IN	De	D	b	E	G	H2	B	H	
70	32	1 1/4	69	60	31	25,0	18,0	20,0	23,5	65,0	1,20
90	42	1 5/8	85	70	32	30,5	22,5	26,0	30,0	82,5	2,15
110	55	2 1/8	112	100	45	45,0	29,0	37,0	45,0	119,0	6,10
130	60	2 3/8	130	105	50	53,0	36,0	47,0	55,5	147,0	8,90
150	70	2 3/4	150	115	62	60,0	40,0	50,0	60,0	160,0	12,20
180	80	3 1/8	180	125	77	73,0	49,0	58,0	70,0	189,0	18,40
230	100	4"	225	155	99	85,5	59,5	77,0	90,0	239,5	35,50
280	130	5"	275	206	119	105,5	74,5	90,0	105,5	285,5	71,50



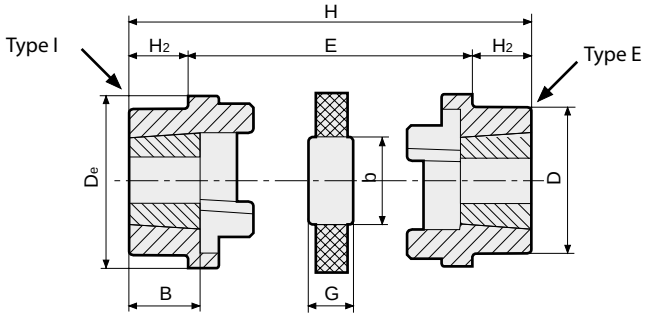
			Kg
Our code	HRCP070	HRC70	0,60
	HRCP090	HRC90	1,07
	HRCP110	HRC110	3,05
	HRCP130	HRC130	4,45
	HRCP150	HRC150	6,10
	HRCP180	HRC180	9,20
	HRCP230	HRC230	17,75
	HRCP280	HRC280	35,75



			Kg
Our code	HRCN070	HRC70	0,016
	HRCN090	HRC90	0,05
	HRCN110	HRC110	0,08
	HRCN130	HRC130	0,15
	HRCN150	HRC150	0,22
	HRCN180	HRC180	0,38
	HRCN230	HRC230	0,80
	HRCN280	HRC280	1,53

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Coupling Material:Cast Iron EN-GJL-250 UNI EN 1561
Spider Material: Rubber



Type	Bush	Hubs Max. bore		Dimensions [mm]									Maximum misalignment		Maximum revolution n(rpm)	Moment of inertia	Kg
		MM	INS	De	D	b	E	G	H_2	B	J	H	Parallel	Axial			
70	1008	25	1	69	60	31	25,0	18,0	20,0	23,5	29	65,0	0,3	+0,2	9100	8,5	0,88
90	1108	20	1 1/8	85	70	32	30,5	22,5	19,5	23,5	29	69,5	0,3	+0,5	7400	11,5	1,45
110	1610	42	1 5/8	112	100	45	45,0	29,0	18,5	26,5	38	82,0	0,3	+0,6	5630	40,0	3,20
130	1610	42	1 5/8	130	105	50	53,0	36,0	18,0	26,5	38	89,0	0,4	+0,8	4850	78,0	4,54
150	2012	50	2	150	115	62	60,0	40,0	23,5	33,5	42	107,0	0,4	+0,9	4200	181,0	6,60
180	2517	60	2 1/2	180	125	77	73,0	49,0	34,5	46,5	48	142,0	0,4	+1,1	3500	434,0	10,75
230	3020	75	3	225	155	99	85,5	59,5	39,5	52,5	55	165,0	0,5	+1,3	2800	1207,0	19,14
280	3525	100	4	275	206	119	106,0	74,5	51,0	66,5	67	208,0	0,5	+1,7	2300	4465,0	41,00

J = The wrench clerance required for tightening and losening the bush on the shaft.



Half-coupling with small taper end

Our code	HRCI070	HRC70	1008	0,44	Kg
	HRCI090	HRC90	1108	0,72	
	HRCI110	HRC110	1610	1,60	
	HRCI130	HRC130	1610	2,27	
	HRCI150	HRC150	2012	3,30	
	HRCI180	HRC180	2517	5,37	
	HRCI230	HRC230	3020	9,57	
	HRCI280	HRC280	3525	20,50	



Half-coupling with large taper end

Our code	HRCE070	HRC70	1008	0,44	Kg
	HRCE090	HRC90	1108	0,72	
	HRCE110	HRC110	1610	1,60	
	HRCE130	HRC130	1610	2,27	
	HRCE150	HRC150	2012	3,30	
	HRCE180	HRC180	2517	5,37	
	HRCE230	HRC230	3020	9,53	
	HRCE280	HRC280	3525	20,50	



Black spider

Our code	HRCN070	HRC70	0,016	Kg
	HRCN090	HRC90	0,05	
	HRCN110	HRC110	0,08	
	HRCN130	HRC130	0,15	
	HRCN150	HRC150	0,22	
	HRCN180	HRC180	0,38	
	HRCN230	HRC230	0,80	
	HRCN280	HRC280	1,53	

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