

CONSTANT FILL / FIXED SPEED COUPLING

TYPE HD-P

Specifications:

Rating Table HDP, PD, PDX:

Coupling Model	Max. ratings in kw at different input speeds RPM						
	600	730	900	970	1200	1470	1800
3	-	1.3	2.4	3	6	11	18
4	1	2	4	5	9	16.5	22
5	2	4	7	9	16.3	30	42
6	3	5	9	11	22	40	60
7	4	8	15	18	34	62	85

Dimension Table HDP, PD, PDX:

Coupling Model HD-P P/PD/PDX	PCD		øD	øA	B			Ød1 max	l1	Dry Wt. in Kgs			Max Oil fillings in litre			Threads "M" BSW
	D3	D4			P	PD	PDX			P	PD	PDX	P	PD	PDX	
3	175	120	65	342	281	343	382	42	110	24	27	28	2.8	3.2	3.2	3/4"
4	175	120	75	367	285	353	382	50	110	30	34	35	3.8	4.2	4.2	3/4"
5	215	140	90	406	356	413	463	65	142	40	44	45	4.9	5.4	5.4	1"
6	255	162	100	435	395	456	522	65	142	55	59	61	5.6	7.1	7.1	1"
7	255	162	110	471	405	464	541	75	142	66	71	73	8.3	8.8	8.8	1 1/2"

Pulley Details Type-1 & Type-2:

MODEL	SEC	PULLEY TYPE-1			K1	SEC	PULLEY TYPE-2			k1	k2
		"D" PCD		NO. OFF GROOVE			"D" PCD		NO. OFF GROOVE		
		MIN Ø	MAX Ø				MIN Ø	MAX Ø			
ALFA P/PD/PDX 3& 4	B	Ø115	Ø145	4	7.3	B	Ø145	Ø172	2	15	33.5
	C	Ø120	Ø140	3	5	C	Ø140	Ø180	2	1	33.5
	SPA	Ø115	Ø145	5	8.5	SPA	Ø145	Ø172	3	9	33.5
	SPB	Ø120	Ø145	4	7.3	SPB	Ø140	Ø180	2	15	33.5
	SPC	Ø130	Ø140	3	5	SPC	Ø140	Ø190	2	1	33.5

ALFA P/PD/PDX 5	B	Ø130	Ø180	6	10.6	B	Ø180	Ø200	4	18	39.0
	C	Ø140	Ø180	4	20.9	C	Ø180	Ø210	3	16.5	39.0
	SPA	Ø130	Ø180	7	19	SPA	Ø180	Ø200	6	4.5	39.0
	SPB	Ø135	Ø180	6	10.6	SPB	Ø180	Ø210	4	18	39.0
	SPC	Ø145	Ø180	4	20.9	SPC	Ø180	Ø220	3	16.5	39.0
ALFA P/PD/PDX 6 & 7	B	Ø150	Ø220	7	16.3	B	—	—	—	—	—
	C	Ø160	Ø220	5	20.6	C	—	—	—	—	—
	SPA	Ø150	Ø220	9	14.5	SPA	—	—	—	—	—
	SPB	Ø160	Ø220	7	16.3	SPB	—	—	—	—	—
	SPC	Ø170	Ø220	5	20.6	SPC	—	—	—	—	—

Pulley Details Type-3 & Type-4:

SEC	PULLEY TYPE-3				K1	SEC	PULLEY TYPE-4				K1
	"D" PCD		NO. OFF GROOVE				"D" PCD		NO. OFF GROOVE		
	MIN Ø	MAX Ø					MIN Ø	MAX Ø			
B	Ø172	Ø230	4		17.3	B	Ø235	Ø320	4		22
C	Ø180	Ø235	3		15	C	Ø240	Ø320	3		20.6
SPA	Ø172	Ø230	5		18.5	SPA	Ø235	Ø320	5		23.5
SPB	Ø180	Ø235	4		17.3	SPB	Ø240	Ø320	4		22
SPC	Ø190	Ø245	3		15	SPC	Ø250	Ø320	3		20.6
B	Ø200	Ø270	7		5	B	Ø275	Ø350	7		10
C	Ø210	Ø270	5		9.3	C	Ø285	Ø350	5		14.3
SPA	Ø200	Ø270	8		18	SPA	Ø280	Ø350	8		23.3
SPB	Ø210	Ø270	7		5	SPB	Ø285	Ø350	7		10
SPC	Ø220	Ø270	5		9.3	SPC	Ø295	Ø350	5		14.3
B	Ø225	Ø320	8		11.3	B	Ø325	Ø400	8		14.3
C	Ø225	Ø320	6		9.15	C	Ø325	Ø400	6		16.3
SPA	Ø225	Ø320	10		13.5	SPA	Ø325	Ø400	10		14.15
SPB	Ø225	Ø320	8		11.3	SPB	Ø325	Ø400	8		16.3
SPC	Ø225	Ø400	6		9.15	SPC	Ø335	Ø400	6		14.3

Pulley Mounting Details:

COUPLING MODEL HDP P/PD/PDX	LOCATING DIA FOR PULLEY		PULLEY MOUNTING PCD		"R"			N	J	M
	TYPE - 1, 2 3 D5	TYPE - 4 D6	D3	D4	TYPE - 1 2	TYPE - 3	TYPE - 4			
3	145	207	175	120	4	5	5	8	10	M10
4	145	207	175	120	4	5	5	8	10	M10
5	180	255	215	140	5	7	5	8	10	M10
6	220	295	255	162	5	7	5	8	10	M10
7	220	295	255	162	5	7	5	8	10	M10