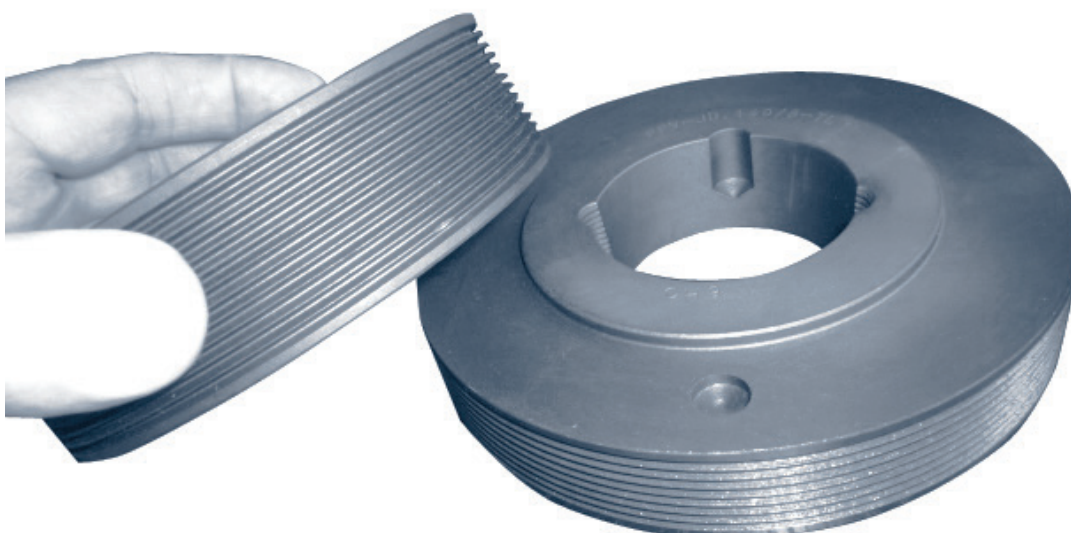
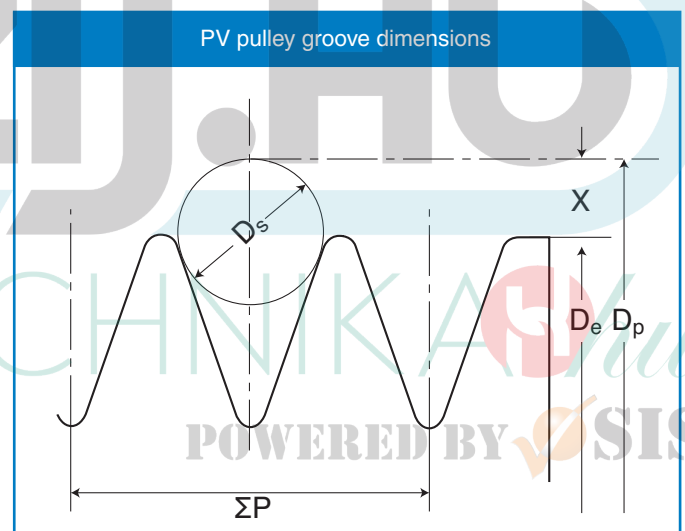
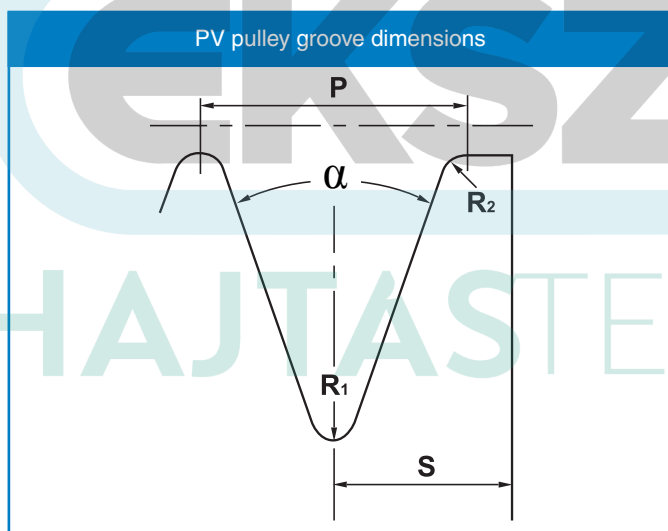


PV Pulleys

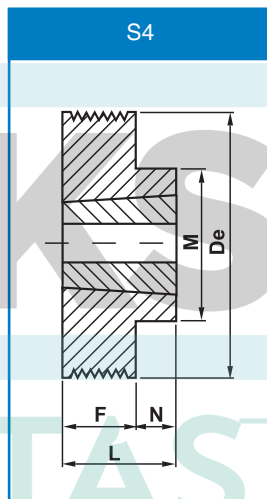
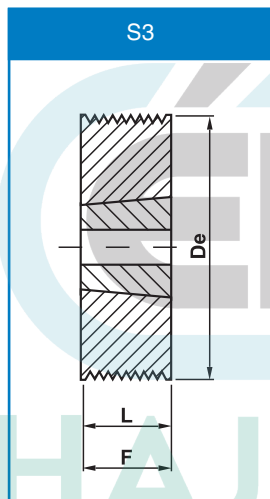
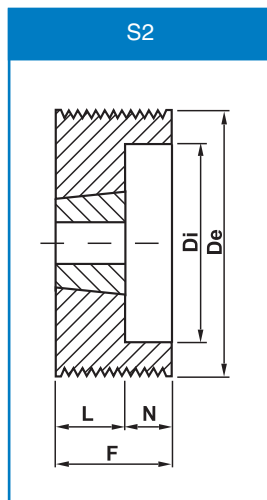
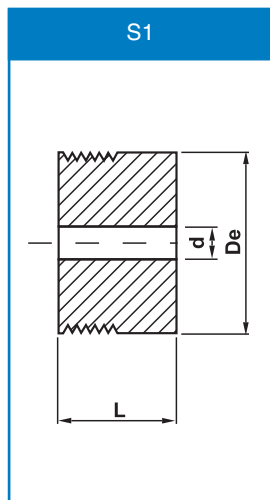
Challenge PV pulleys are manufactured according to ISO 9982 specification (Pulleys and V-ribbed belts for industrial applications). This encompasses product designation, geometry, roughness and pulley run out.

Groove dimensions of PV pulleys according to ISO 9982

	H	J	Section K	L	M
α	40 $\pm$ 0.5	40 $\pm$ 0.5	40 $\pm$ 0.5	40 $\pm$ 0.5	40 $\pm$ 0.5
P	1.50 $\pm$ 0.03	2.34 $\pm$ 0.03	3.56 $\pm$ 0.05	4.70 $\pm$ 0.05	9.40 $\pm$ 0.08
Tolerance ΣP	$\pm$ 0.30	$\pm$ 0.30	$\pm$ 0.30	$\pm$ 0.30	$\pm$ 0.30
S min.	1.30	1.80	2.50	3.30	6.40
R ₁ max.	0.30	0.40	0.50	0.40	0.75
R ₂ min.	0.15	0.20	0.25	0.40	0.75
D _s	1.00 $\pm$ 0.01	1.50 $\pm$ 0.01	2.50 $\pm$ 0.01	3.50 $\pm$ 0.01	7.00 $\pm$ 0.01
2X=D _p -D _e	0.11	0.23	0.99	2.36	4.53



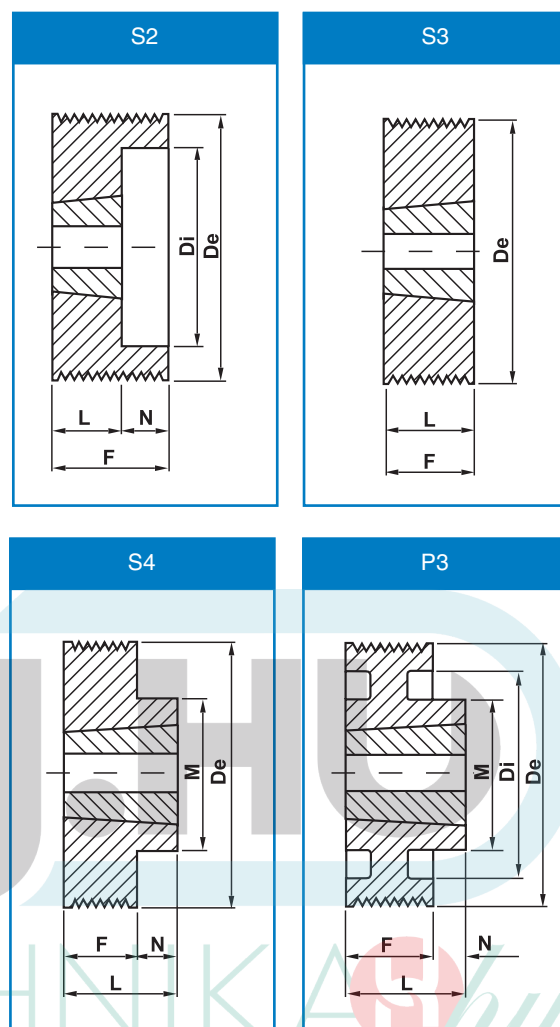
PV Section J



De	Groove Number	Bush Size	Style	F	L	N	M	Di	d
20	4	-	S1	13.5	22.5	-	-	-	5.0
	8	-	S1	23.0	32.0	-	-	-	5.0
	12	-	S1	32.5	41.5	-	-	-	5.0
	16	-	S1	42.0	51.0	-	-	-	5.0
	20	-	S1	52.0	61.0	-	-	-	5.0
25	4	-	S1	13.5	22.5	-	-	-	5.0
	8	-	S1	23.0	32.0	-	-	-	5.0
	12	-	S1	32.5	41.5	-	-	-	5.0
	16	-	S1	42.0	51.0	-	-	-	5.0
	20	-	S1	52.0	61.0	-	-	-	5.0
30	4	-	S1	13.5	22.5	-	-	-	9.5
	8	-	S1	23.0	32.0	-	-	-	9.5
	12	-	S1	32.5	41.5	-	-	-	9.5
	16	-	S1	42.0	51.0	-	-	-	9.5
	20	-	S1	52.0	61.0	-	-	-	9.5
35	4	-	S1	13.5	22.5	-	-	-	9.5
	8	-	S1	23.0	32.0	-	-	-	9.5
	12	-	S1	32.5	41.5	-	-	-	9.5
	16	-	S1	42.0	51.0	-	-	-	9.5
	20	-	S1	52.0	61.0	-	-	-	9.5
40	4	-	S1	13.5	22.5	-	-	-	12.0
	8	-	S1	23.0	32.0	-	-	-	12.0
	12	-	S1	32.5	41.5	-	-	-	12.0
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
45	4	-	S1	13.5	22.5	-	-	-	12.0
	8	-	S1	23.0	32.0	-	-	-	12.0
	12	-	S1	32.5	41.5	-	-	-	12.0
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
50	4	-	S1	13.5	22.5	-	-	-	12.0
	8	-	S1	23.0	32.0	-	-	-	12.0
	12	-	S1	32.5	41.5	-	-	-	12.0
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
56	4	1108	S4	13.5	23.0	9.5	50	-	-
	8	1108	S3	23.0	23.0	-	-	-	-
	12	-	S1	32.5	41.5	-	-	-	12.0
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
60	4	1108	S4	13.5	23.0	9.5	50	-	-
	8	1108	S3	23.0	23.0	-	-	-	-
	12	1108	S2	32.5	23.0	9.5	-	45	-
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
63	4	1108	S4	13.5	23.0	9.5	50	-	-
	8	1108	S3	23.0	23.0	-	-	-	-
	12	1108	S2	32.5	23.0	9.5	-	45	-
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0
67	4	1108	S4	13.5	23.0	9.5	50	-	-
	8	1108	S3	23.0	23.0	-	-	-	-
	12	1108	S2	32.5	23.0	9.5	-	51	-
	16	-	S1	42.0	51.0	-	-	-	12.0
	20	-	S1	52.0	61.0	-	-	-	12.0

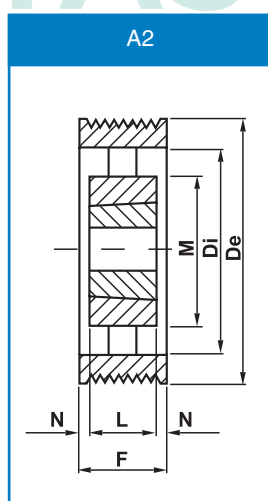
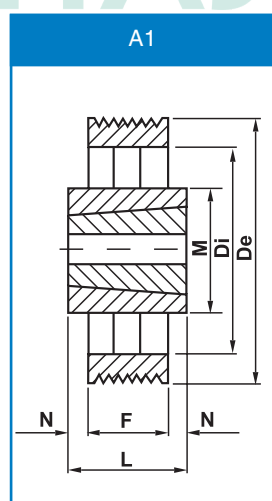
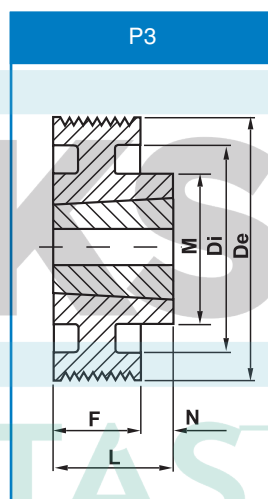
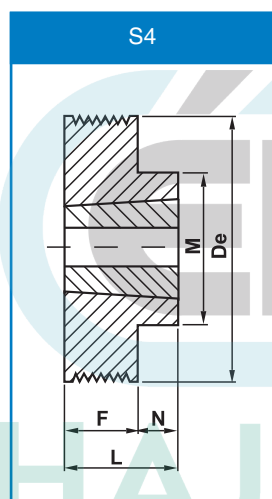
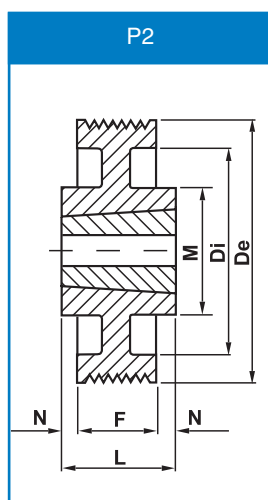
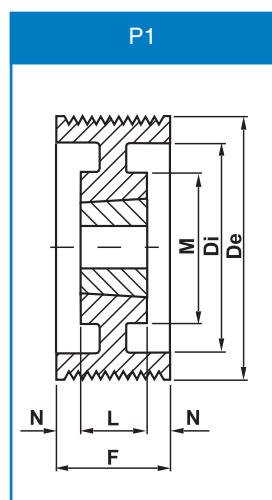
PV Section J

De	Groove Number	Bush Size	Style	F	L	N	M	Di
71	4	1108	S4	13.5	23	9.5	60	-
	8	1108	S3	23.0	23	-	-	-
	12	1108	S2	32.5	23	9.5	-	55
	16	1215	S3	42.0	42	-	-	55
	20	1215	S2	52.0	42	10.0	-	55
75	4	1108	S4	13.5	23	9.5	60	-
	8	1108	S3	23.0	23	-	-	-
	12	1210	S2	32.5	26	6.5	-	59
	16	1610	S2	42.0	26	16.0	-	59
	20	1615	S2	52.0	42	10.0	-	59
80	4	1310	S4	13.5	26	12.5	70	-
	8	1310	S4	23.0	26	3.0	70	-
	12	1610	S2	32.5	26	6.5	-	64
	16	1610	S2	42.0	26	16.0	-	64
	20	1615	S2	52.0	42	10.0	-	64
85	4	1310	S4	13.5	26	12.5	70	-
	8	1310	S4	23.0	26	3.0	70	-
	12	1610	S2	32.5	26	6.5	-	69
	16	1610	S2	42.0	26	16.0	-	69
	20	1615	S2	52.0	42	10.0	-	69
90	4	1610	S4	13.5	26	12.5	82	-
	8	1610	S4	23.0	26	3.0	82	-
	12	1610	S2	32.5	26	6.5	-	74
	16	1610	S2	42.0	26	16.0	-	74
	20	1615	S2	52.0	42	10.0	-	74
95	4	1610	S4	13.5	26	12.5	82	-
	8	1610	S4	23.0	26	3.0	82	-
	12	1610	S2	32.5	26	6.5	-	79
	16	1610	S2	42.0	26	16.0	-	79
	20	1615	S2	52.0	42	10.0	-	79
100	4	1610	S4	13.5	26	12.5	82	-
	8	1610	S4	23.0	26	3.0	82	-
	12	1610	S2	32.5	26	6.5	-	82
	16	1610	S2	42.0	26	16.0	-	82
	20	1615	S2	52.0	42	10.0	-	82
106	4	1610	S4	13.5	26	12.5	88	-
	8	1610	S4	23.0	26	3.0	88	-
	12	1610	S2	32.5	26	6.5	-	88
	16	1610	S2	42.0	26	16.0	-	88
	20	1615	S2	52.0	42	10.0	-	88
112	4	1610	S4	13.5	26	12.5	90	-
	8	1610	S4	23.0	26	3.0	90	-
	12	1610	S2	32.5	26	6.5	-	94
	16	1610	S2	42.0	26	16.0	-	94
	20	1615	S2	52.0	42	10.0	-	94
118	4	1610	S4	13.5	26	12.5	90	-
	8	1610	S4	23.0	26	3.0	90	-
	12	2012	S2	32.5	32	0.5	-	98
	16	2012	S2	42.0	32	10.0	-	98
	20	2012	S2	52.0	32	20.0	-	98
125	4	1610	P3	13.5	26	12.5	90	109
	8	1610	P3	23.0	26	3.0	90	109
	12	2012	S2	32.5	32	0.5	-	105
	16	2012	S2	42.0	32	10.0	-	105
	20	2517	S2	52.0	45	7.0	-	105



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PV Section J



De	Groove Number	Bush Size	Style	F	L	N	M	Di
132	4	1610	P3	13.5	26	12.50	90	116
	8	1610	P3	23.0	26	3.00	90	116
	12	2012	S2	32.5	32	0.50	-	112
	16	2012	S2	42.0	32	10.00	-	112
	20	2517	S2	52.0	45	7.00	-	112
140	4	1610	P3	13.5	26	12.50	90	124
	8	1610	P3	23.0	26	3.00	90	124
	12	2517	S4	32.5	45	12.50	120	-
	16	2517	S4	42.0	45	3.00	120	-
	20	2517	S2	52.0	45	7.00	-	124
160	4	2012	P3	13.5	32	18.50	110	144
	8	2012	P3	23.0	32	9.00	110	144
	12	2517	P3	32.5	45	12.50	120	140
	16	2517	P3	42.0	45	3.00	120	140
	20	2517	S2	52.0	45	7.00	-	140
180	4	2012	P2	13.5	32	9.25	110	164
	8	2012	P2	23.0	32	4.50	110	164
	12	2517	P2	32.5	45	6.25	120	160
	16	2517	P2	42.0	45	1.50	120	160
	20	2517	P1	52.0	45	3.50	120	160
200	4	2012	P2	13.5	32	9.25	110	185
	8	2012	P2	23.0	32	4.50	110	185
	12	2517	P2	32.5	45	6.25	120	180
	16	2517	P2	42.0	45	1.50	120	180
	20	2517	P1	52.0	45	3.50	120	180
224	4	2012	P2	13.5	32	9.25	110	208
	8	2012	P2	23.0	32	4.50	110	208
	12	2517	P2	32.5	45	6.25	120	204
	16	2517	P2	42.0	45	1.50	120	204
	20	2517	P1	52.0	45	3.50	120	204
250	4	2012	A1	13.5	32	9.25	110	234
	8	2012	A1	23.0	32	4.50	110	234
	12	2517	P2	32.5	45	6.25	120	230
	16	2517	P2	42.0	45	1.50	120	230
	20	2517	P1	52.0	45	3.50	120	230
280	4	2012	A1	13.5	32	9.25	110	264
	8	2012	A1	23.0	32	4.50	110	264
	12	2517	A1	32.5	45	6.25	120	260
	16	2517	A1	42.0	45	1.50	120	260
	20	2517	A2	52.0	45	3.50	120	260
315	4	2012	A1	13.5	32	9.25	110	299
	8	2012	A1	23.0	32	4.50	110	299
	12	2517	A1	32.5	45	6.25	120	295
	16	2517	A1	42.0	45	1.50	120	295
	20	2517	A2	52.0	45	3.50	120	295
355	4	2517	A1	13.5	45	15.70	120	339
	8	2517	A1	23.0	45	11.00	120	339
	12	2517	A1	32.5	45	6.25	120	335
	16	3020	A1	42.0	52	5.00	146	335
	20	3020	A2	52.0	52	-	146	335
400	4	2517	A1	13.5	45	15.75	120	380
	8	2517	A1	23.0	45	11.00	120	380
	12	2517	A1	32.5	45	6.25	120	380
	16	3020	A1	42.0	52	5.00	146	380
	20	3020	A2	52.0	52	-	146	380