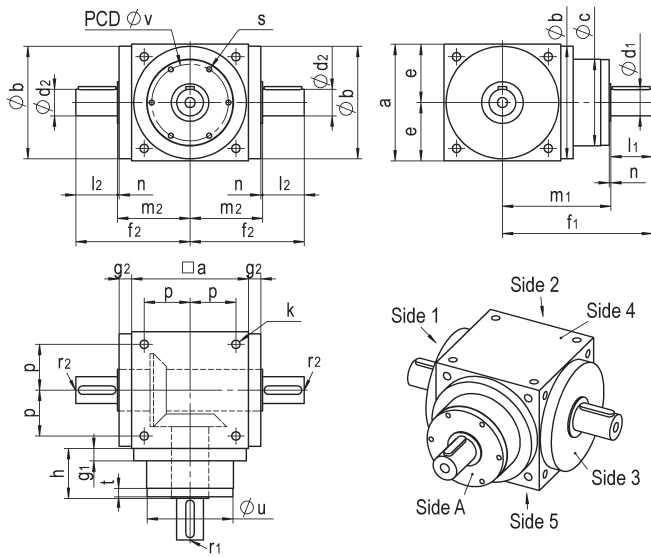


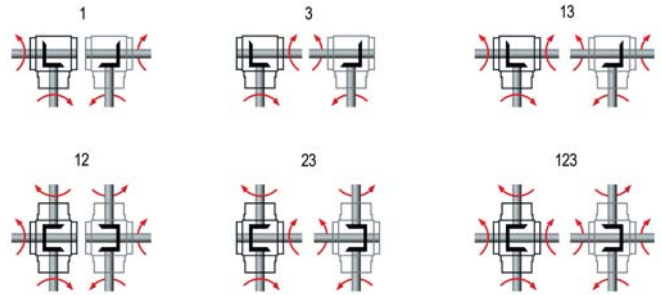
# Dimensions and shaft arrangements

## P-Version configuration L

# POWER GEAR



Always right view = mirrored illustration



	P54L	P75L	P90L	P110L	P140L	P170L	P210L	P240L	P280L
<b>a</b>	54	75	90	110	140	170	210	240	280
<b>Øb<sub>h7</sub></b>	53	73	88	108	135	165	205	235	275
<b>Øc</b>	53	72	86	106	104	128	160	180	200
<b>Ød<sub>1 k6</sub></b>	11	16	18	22	32	40	50	55	60
<b>l<sub>1</sub></b>	23	30	35	40	50	60	75	85	110
<b>Ød<sub>2 k6</sub></b>	11	16	18	22	32	40	50	55	60
<b>l<sub>2</sub></b>	23	30	35	40	50	60	75	85	110
<b>e</b>	27	37,5	45	55	70	85	105	120	140
<b>f<sub>1</sub></b>	95	120	135	155	180	215	265	300	360
<b>f<sub>2</sub></b>	60	84	97	112	137	162	202	231	276
<b>g<sub>1</sub></b>	43	15	15	15	15	15	20	25	25
<b>g<sub>2</sub></b>	9	14,5	15	15	15	15	20	25	25
<b>h</b>	45	52,5	55	60	60	70	85	95	110
<b>k</b>	M5 x14,5*	M6 x12	M6 x12	M8 x15,5	M10 x19,5	M12 x23	M16 x30	M16 x30	M16 x30
<b>m<sub>1</sub></b>	72	90	100	115	130	155	190	215	250
<b>m<sub>2</sub></b>	37	54	62	72	87	102	127	147	167
<b>n<sub>1</sub></b>	2	2	2	2	2	2	2	2	2
<b>n<sub>2</sub></b>	1	2	2	2	2	2	2	2	2
<b>p</b>	22	30	36	44	55	67	85	95	110
<b>r<sub>1**</sub></b>	M4	M5	M6	M8	M12	M16	M16	M20	M20
<b>r<sub>2**</sub></b>	M4	M5	M6	M8	M12	M16	M16	M20	M20
<b>s</b>	–	4x M5 x9	4x M5 x12	6x M6 x12	6x M6 x12	6x M8 x14	6x M8 x14	6x M8 x14	6x M10 x17
<b>t</b>	–	8	8	8	10	10	10	10	10
<b>Øu<sub>g6</sub></b>	–	72,9	87	107	103	127	158	178	198
<b>Øv</b>	–	62	76	92	92	114	142	160	176
<b>Key<sub>d1</sub></b>	4x4x18	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
<b>Key<sub>d2</sub></b>	4x4x18	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100

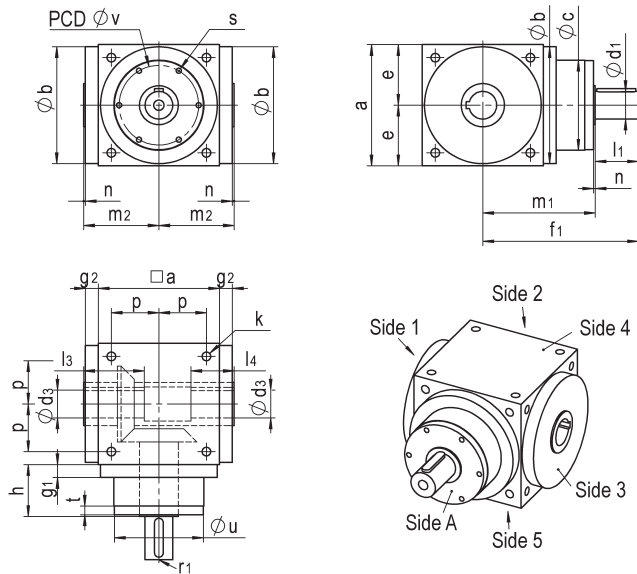
\* Thread starts from 7.00 mm depth

\*\* According to Form D, DIN332

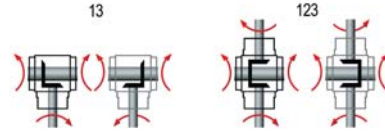
# Dimensions and shaft arrangements

## P-Version configuration H

**POWER GEAR**



Always right view = mirrored illustration



	P75H	P90H	P110H	P140H	P170H	P210H	P240H	P280H
a	75	90	110	140	170	210	240	280
Øb <sub>h7</sub>	73	88	108	135	165	205	235	275
Øc	72	86	106	104	128	160	180	200
Ød <sub>1 k6</sub>	16	18	22	32	40	50	55	60
l <sub>1</sub>	30	35	40	50	60	75	85	110
Ød <sub>3 h7</sub>	14	18	22	32	40	50	55	60
l <sub>3</sub>	47	55	60	70	80	95	115	130
l <sub>4</sub>	32	35	40	50	55	65	80	80
e	37,5	45	55	70	85	105	120	140
f <sub>1</sub>	120	135	155	180	215	265	300	360
g <sub>1</sub>	15	15	15	15	15	20	25	25
g <sub>2</sub>	14,5	15	15	15	15	20	25	25
h	52,5	55	60	60	70	85	95	110
k	M6 x12	M6 x12	M8 x15,5	M10 x19,5	M12 x23	M16 x30	M16 x30	M16 x30
m <sub>1</sub>	90	100	115	130	155	190	215	250
m <sub>2</sub>	54	62	72	87	102	127	147	167
n <sub>1</sub>	2	2	2	2	2	2	2	2
n <sub>2</sub>	2	2	2	2	2	2	2	2
p	30	36	44	55	67	85	95	110
r <sub>1</sub> **	M5	M6	M8	M12	M16	M16	M20	M20
s	4x M5 x9	4x M5 x12	6x M6 x12	6x M6 x12	6x M8 x14	6x M8 x14	6x M8 x14	6x M10 x17
t	8	8	8	10	10	10	10	10
Øu <sub>g6</sub>	72,9	87	107	103	127	158	178	198
Øv	62	76	92	92	114	142	160	176
Key <sub>d1</sub>	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
Key <sub>d2</sub>	5x5	6x6	6x6	10x8	12x8	14x9	16x10	18x11

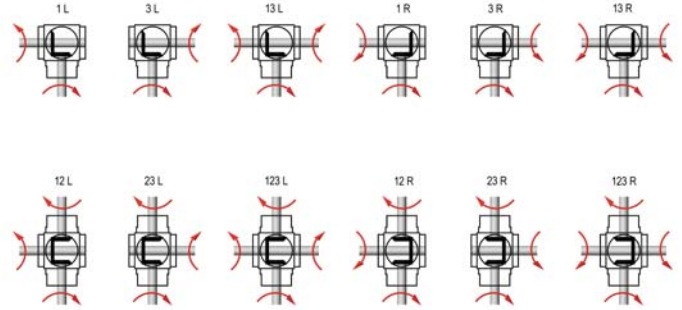
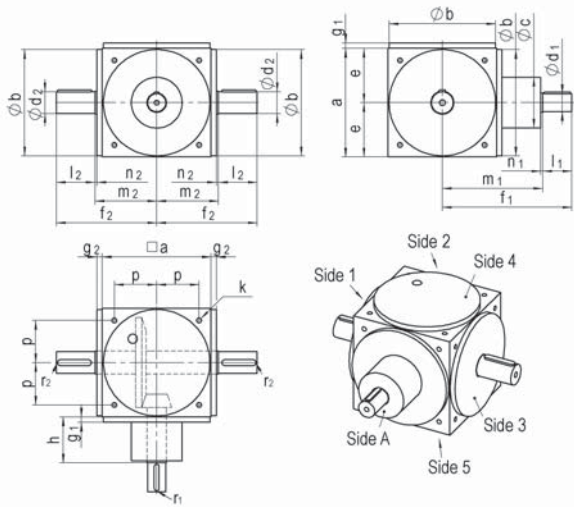
\*\* According to Form D, DIN332

# Dimensions and shaft arrangements

## P-Version configuration L

# POWER GEAR

Always right view = mirrored illustration



		P360L	P450L
<b>a</b>	i=1:1 – 5:1	360	450
<b><math>\phi b</math> h7</b>	i=1:1 – 5:1	350	440
<b><math>\phi c</math></b>	i=1:1 – 2:1	210	250
	i=3:1 – 5:1	170	210
<b><math>\phi d_1</math> k6</b>	i=1:1 – 2:1	75	90
	i=3:1	60	75
	i=4:1	55	70
	i=5:1	50	60
<b><math>l_1</math></b>	i=1:1 – 2:1	120	160
	i=3:1	110	120
	i=4:1	85	120
	i=5:1	80	110
<b><math>\phi d_2</math> k6</b>	i=1:1 – 5:1	75	90
<b><math>l_2</math></b>	i=1:1 – 5:1	120	160
<b>e</b>	i=1:1 – 5:1	180	225
<b><math>f_1</math></b>	i=1:1 – 2:1	445	570
	i=3:1	435	530
	i=4:1	410	530
	i=5:1	405	520
<b><math>f_2</math></b>	i=1:1 – 5:1	325	410
<b><math>g_1</math></b>	i=1:1 – 5:1	22	22
<b><math>g_2</math></b>	i=1:1 – 5:1	22	22
<b>h</b>	i=1:1 – 5:1	145	185
<b>k</b>	i=1:1 – 5:1	M20 x37,5	M20 x37,5
<b><math>m_1</math></b>	i=1:1 – 5:1	325	410
<b><math>m_2</math></b>	i=1:1 – 5:1	205	250
<b><math>n_1</math></b>	i=1:1 – 5:1	3	3
<b><math>n_2</math></b>	i=1:1 – 5:1	3	3
<b>p</b>	i=1:1 – 5:1	140	175
<b><math>r_1^{**}</math></b>	i=1:1 – 2:1	M20	M24
	i=3:1	M20	M20
	i=4:1	M20	M20
	i=5:1	M16	M20
<b><math>r_2^{**}</math></b>	i=1:1 – 5:1	M20	M24
<b>s</b>	i=1:1 – 5:1	–	–
<b>t</b>	i=1:1 – 5:1	–	–
<b><math>\phi u_{g6}</math></b>	i=1:1 – 5:1	–	–
<b><math>\phi v</math></b>	i=1:1 – 5:1	–	–
<b>Key<math>d_1</math></b>	i=1:1 – 2:1	20x12x110	25x14x140
	i=3:1	18x11x100	20x12x110
	i=4:1	16x10x80	20x12x110
	i=5:1	14x9x70	18x11x100
<b>Key<math>d_2</math></b>	i=1:1 – 5:1	20x12x110	25x14x140

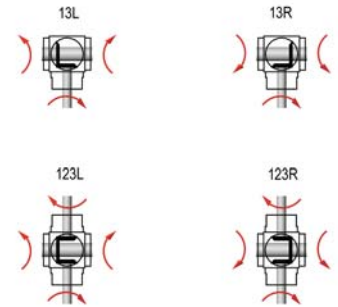
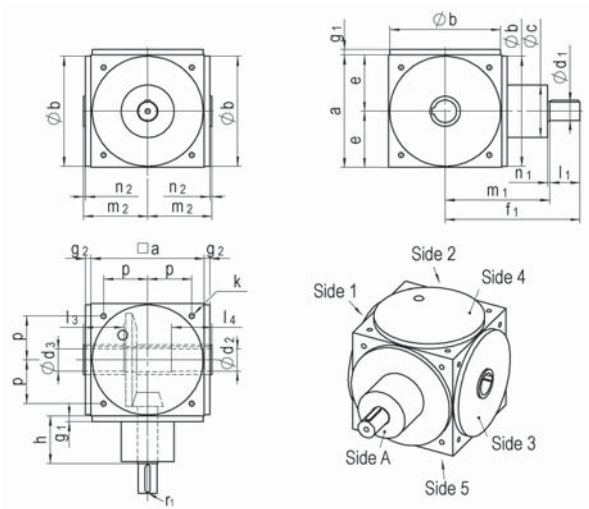
\*\* According to Form D, DIN332

# Dimensions and shaft arrangements

## P-Version configuration H

# POWER GEAR

Always right view = mirrored illustration



		P360H	P450H
<b>a</b>	i=1:1 – 5:1	360	450
<b><math>\varnothing b</math> h7</b>	i=1:1 – 5:1	350	440
<b><math>\varnothing c</math></b>	i=1:1 – 2:1	210	250
	i=3:1 – 5:1	170	210
<b><math>\varnothing d_1</math> k6</b>	i=1:1 – 2:1	75	90
	i=3:1	60	75
	i=4:1	55	70
	i=5:1	50	60
<b><math>l_1</math></b>	i=1:1 – 2:1	120	160
	i=3:1	110	120
	i=4:1	85	120
	i=5:1	80	110
<b><math>\varnothing d_3</math> h7</b>	i=1:1 – 5:1	75	90
<b><math>l_3</math></b>	i=1:1 – 5:1	165	200
<b><math>l_4</math></b>	i=1:1 – 5:1	105	140
<b>e</b>	i=1:1 – 5:1	180	225
<b><math>f_1</math></b>	i=1:1 – 2:1	445	570
	i=3:1	435	530
	i=4:1	410	530
	i=5:1	405	520
<b><math>g_1</math></b>	i=1:1 – 5:1	22	22
<b><math>g_2</math></b>	i=1:1 – 5:1	22	22
<b>h</b>	i=1:1 – 5:1	145	185
<b>k</b>	i=1:1 – 5:1	M20 x37,5	M20 x37,5
<b><math>m_1</math></b>	i=1:1 – 5:1	325	410
<b><math>m_2</math></b>	i=1:1 – 5:1	205	250
<b><math>n_1</math></b>	i=1:1 – 5:1	3	3
<b><math>n_2</math></b>	i=1:1 – 5:1	3	3
<b>p</b>	i=1:1 – 5:1	140	175
<b><math>r_1^{**}</math></b>	i=1:1 – 2:1	M20	M24
	i=3:1	M20	M20
	i=4:1	M20	M20
	i=5:1	M16	M20
<b>s</b>	i=1:1 – 5:1	–	–
<b>t</b>	i=1:1 – 5:1	–	–
<b><math>\varnothing u_{g6}</math></b>	i=1:1 – 5:1	–	–
<b><math>\varnothing v</math></b>	i=1:1 – 5:1	–	–
<b>Key<math>_{d1}</math></b>	i=1:1 – 2:1	20x12x110	25x14x140
	i=3:1	18x11x100	20x12x110
	i=4:1	16x10x80	20x12x110
	i=5:1	14x9x70	18x11x100
<b>Key<math>_{d2}</math></b>	i=1:1 – 5:1	20x12	25x14

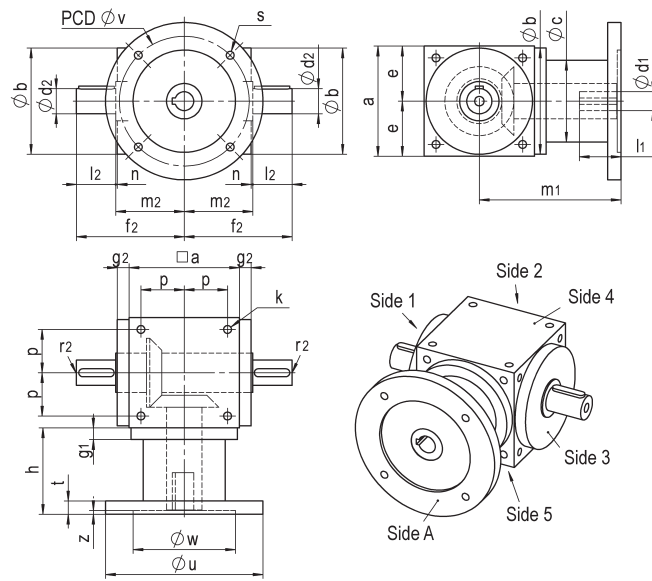
\*\* According to Form D, DIN332

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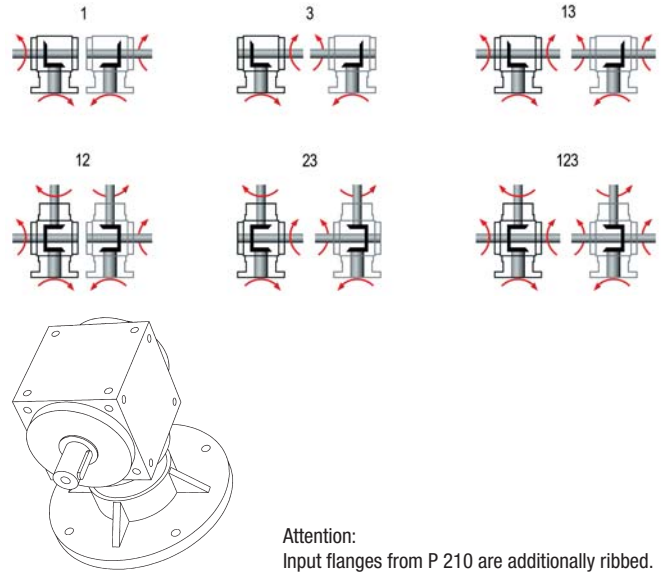
# Dimensions and shaft arrangements

## P-Version configuration FL

# POWER GEAR



Always right view = mirrored illustration



Attention:  
Input flanges from P 210 are additionally ribbed.

	P75FL	P90FL	P110FL	P140FL	P170FL	P210FL	P240FL	P280FL
<b>a</b>	75	90	110	140	170	210	240	280
<b><math>\varnothing b_{h7}</math></b>	73	88	108	135	165	205	235	275
<b><math>\varnothing c</math></b>	72	86	106	104	128	160	180	200
<b><math>\varnothing d_{2 k6}</math></b>	16	18	22	32	40	50	55	60
<b><math>l_2</math></b>	30	35	40	50	60	75	85	110
<b>e</b>	37,5	45	55	70	85	105	120	140
<b><math>f_2</math></b>	84	97	112	137	162	202	231	276
<b><math>g_1</math></b>	15	15	15	15	15	20	25	25
<b><math>g_2</math></b>	14,5	15	15	15	15	20	25	25
<b>h</b>	62,5	68	80	110	130	170	180	185
<b>k</b>	M6 x12	M6 x12	M8 x15,5	M10 x19,5	M12 x23	M16 x30	M16 x30	M16 x30
<b><math>m_1</math></b>	102	113	135	180	215	275	300	325
<b><math>m_2</math></b>	54	62	72	87	102	127	147	167
<b><math>n_2</math></b>	2	2	2	2	2	2	2	2
<b>p</b>	30	36	44	55	67	85	95	110
<b><math>r_{2**}</math></b>	M5	M6	M8	M12	M16	M16	M20	M20
<b>t</b>	14	14	17	17	20	20	20	20
<b>Key<math>_{d_2}</math></b>	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
<b>Z</b>	4,5	4,5	5	5	6	6	6	6

Also available with flange and coupling

Input shaft  $\varnothing d_1^{G7}$  x L1 with keyway bxh to DIN 6885/1

14x33/5x5	14x33/5x5	19x43/6x6	24x53/8x7	28x63/8x7	38x83/10x8	38x83/10x8	48x115/14x9
	19x43/6x6	24x53/8x7	28x63/8x7	32x83/10x8	42x115/12x8	42x115/12x8	55x115/16x10
			32x63/10x8	38x83/10x8	48x115/14x9	48x115/14x9	

Input flange B5  $\varnothing u$  /  $\varnothing v$  with 4 threaded holes s /  $\varnothing w^{F7}$

120/100+6/80	120/100+6/80	120/100+6/80	160/130+8/110	200/165+10/130		250/215+12/180	300/265+12/230
140/115+8/95	140/115+8/95	140/115+8/95	200/165+10/130	250/215+12/180	250/215+12/180	300/265+12/230	350/300+16/250
160/130+8/110	160/130+8/110	160/130+8/110	250/215+12/180	300/265+12/230	300/265+12/230	350/300+16/250	400/350+16/300
200/165+10/130	200/165+10/130	200/165+10/130	300/265+12/230	350/300+16/250	350/300+16/250	400/350+16/300	450/400+16/350

Input flange B14  $\varnothing u$  /  $\varnothing v$  with bore holes s /  $\varnothing w^{F7}$

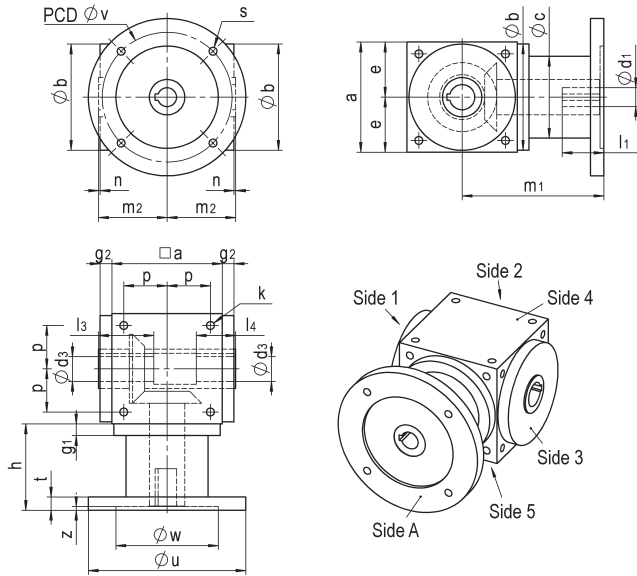
120/100+6,6/80							
140/115+9/95	140/115+9/95						
160/130+9/110	160/130+9/110	160/130+9/110	160/130+9/110				
200/165+11/130	200/165+11/130	200/165+11/130	200/165+11/130	200/165+11/130			

\*\* According to Form D, DIN332

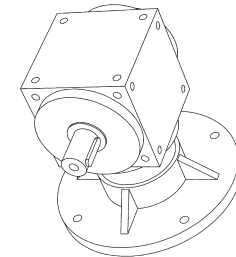
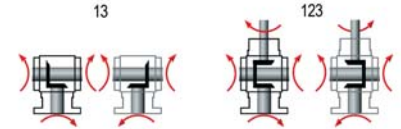
# Dimensions and shaft arrangements

## P-Version configuration FH

# POWER GEAR



Always right view = mirrored illustration



Attention:  
Input flanges from P 210 are additionally ribbed.

	P75FH	P90FH	P110FH	P140FH	P170FH	P210FH	P240FH	P280FH
<b>a</b>	75	90	110	140	170	210	240	280
<b>Øb<sub>h7</sub></b>	73	88	108	135	165	205	235	275
<b>Øc</b>	72	86	106	104	128	160	180	200
<b>Ød<sub>3 h7</sub></b>	14	18	22	32	40	50	55	60
<b>e</b>	37,5	45	55	70	85	105	120	140
<b>g<sub>1</sub></b>	15	15	15	15	15	20	25	25
<b>g<sub>2</sub></b>	14,5	15	15	15	15	20	25	25
<b>h</b>	62,5	68	80	110	130	170	180	185
<b>k</b>	M6 x12	M6 x12	M8 x15,5	M10 x19,5	M12 x23	M16 x30	M16 x30	M16 x30
<b>l<sub>3</sub></b>	47	55	60	70	80	95	115	130
<b>l<sub>4</sub></b>	32	35	40	50	55	65	80	80
<b>m<sub>1</sub></b>	102	113	135	180	215	275	300	325
<b>m<sub>2</sub></b>	54	62	72	87	102	127	147	167
<b>n<sub>2</sub></b>	2	2	2	2	2	2	2	2
<b>p</b>	30	36	44	55	67	85	95	110
<b>t</b>	14	14	17	17	20	20	20	20
<b>Key<sub>d3</sub></b>	5x5	6x6	6x6	10x8	12x8	14x9	16x10	18x11
<b>Z</b>	4,5	4,5	5	5	6	6	6	6

Also available with flange and coupling

Input shaft Ød1<sup>G7</sup> x L1 with keyway bxh to DIN 6885/1

14x33/5x5	14x33/5x5	19x43/6x6	24x53/8x7	28x63/8x7	38x83/10x8	38x83/10x8	48x115/14x9
	19x43/6x6	24x53/8x7	28x63/8x7	32x83/10x8	42x115/12x8	42x115/12x8	55x115/16x10
			32x63/10x8	38x83/10x8	48x115/14x9	48x115/14x9	

Input flange B5 Øu / Øv with 4 threaded holes s / Øw<sup>F7</sup>

120/100+6/80	120/100+6/80	120/100+6/80	160/130+8/110	200/165+10/130		250/215+12/180	300/265+12/230
140/115+8/95	140/115+8/95	140/115+8/95	200/165+10/130	250/215+12/180	250/215+12/180	300/265+12/230	350/300+16/250
160/130+8/110	160/130+8/110	160/130+8/110	250/215+12/180	300/265+12/230	300/265+12/230	350/300+16/250	400/350+16/300
200/165+10/130	200/165+10/130	200/165+10/130	300/265+12/230	350/300+16/250	350/300+16/250	400/350+16/300	450/400+16/350

Input flange B14 Øu / Øv with bore holes s / Øw<sup>F7</sup>

120/100+6,6/80							
140/115+9/95	140/115+9/95						
160/130+9/110	160/130+9/110	160/130+9/110	160/130+9/110				
200/165+11/130	200/165+11/130	200/165+11/130	200/165+11/130	200/165+11/130			

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