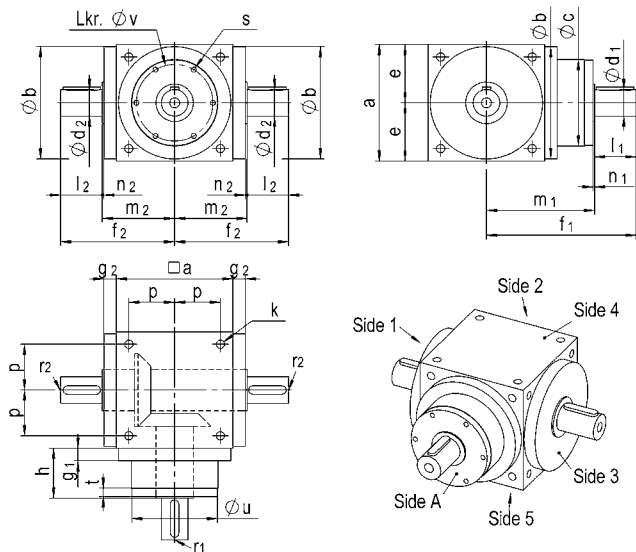


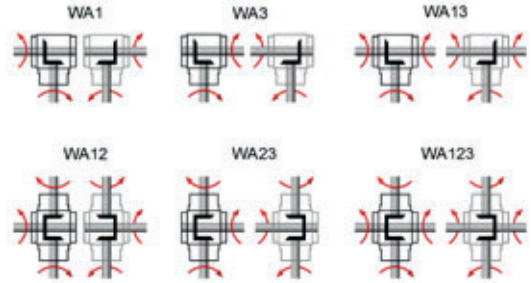
Dimensions and shaft arrangements

P-Version configuration L

POWER GEAR



Always right view = mirrored illustration



	P54L	P65L	P75L	P90L	P110L	P140L	P170L	P210L	P240L	P280L
a	54	65	75	90	110	140	170	210	240	280
Øb h7	53	64	73	88	108	135	165	205	235	275
Øc	53	63	72	86	106	104	128	160	180	200
Ød1 k6	11	12	16	18	22	32	40	50	55	60
l1	23	26	30	35	40	50	60	75	85	110
Ød2 k6	11	12	16	18	22	32	40	50	55	60
l2	23	26	30	35	40	50	60	75	85	110
e	27	32.5	37.5	45	55	70	85	105	120	140
f1	95	100	120	135	155	180	215	265	300	360
f2	60	72	84	97	112	137	162	202	232	277
g1	43	9.5	15	15	15	15	15	20	25	25
g2	9	11.5	14.5	15	15	15	15	20	25	25
h	45	41.5	52.5	55	60	60	70	85	95	110
k	M5 x14.5*	M5 x12	M6 x12	M6 x12	M8 x15.5	M10 x19.5	M12 x23	M16 x30	M16 x30	M16 x30
m1	72	74	90	100	115	130	155	190	215	250
m2	37	46	54	62	72	87	102	127	147	167
n1	2	2	2	2	2	2	2	2	2	2
n2	1	2	2	2	2	2	2	2	2	2
p	22	26	30	36	44	55	67	85	95	110
r1**	M4	M4	M5	M6	M8	M12	M16	M16	M20	M20
r2**	M4	M4	M5	M6	M8	M12	M16	M16	M20	M20
s	—	4x M5 x9	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	8	10	10	10	10	10
Øu g6	—	63.9	72.9	87	107	103	127	158	178	198
Øv	—	54	62	76	92	92	114	142	160	176
Feather key a1***	4x4x18	4x4x20	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
Feather key a2***	4x4x18	4x4x20	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100

* Thread starts from 7.00 mm depth

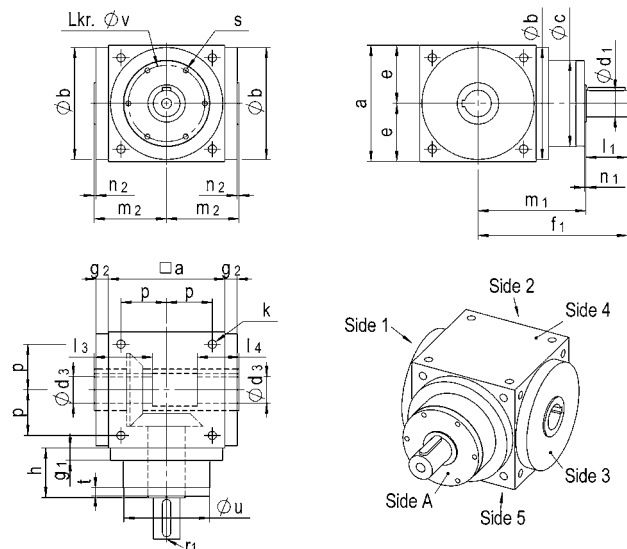
** According to Form D, DIN332

*** Feather key according to DIN 6885/1

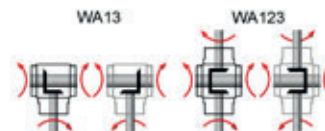
Dimensions and shaft arrangements

P-Version configuration H

POWER GEAR



Always right view = mirrored illustration



	P65H	P75H	P90H	P110H	P140H	P170H	P210H	P240H	P280H
a	65	75	90	110	140	170	210	240	280
Øb _{h7}	64	73	88	108	135	165	205	235	275
Øc	63	72	86	106	104	128	160	180	200
Ød1 _{k6}	12	16	18	22	32	40	50	55	60
l1	26	30	35	40	50	60	75	85	110
Ød3 ^{H7}	12	14	18	22	32	40	50	55	60
l3	40	47	55	60	70	80	95	115	130
l4	28	32	35	40	50	55	65	80	80
e	32.5	37.5	45	55	70	85	105	120	140
f1	100	120	135	155	180	215	265	300	360
g1	9.5	15	15	15	15	15	20	25	25
g2	11.5	14.5	15	15	15	15	20	25	25
h	41.5	52.5	55	60	60	70	85	95	110
k	M5 x12	M6 x12	M6 x12	M8 x15.5	M10 x19.5	M12 x23	M16 x30	M16 x30	M16 x30
m1	74	90	100	115	130	155	190	215	250
m2	46	54	62	72	87	102	127	147	167
n1	2	2	2	2	2	2	2	2	2
n2	2	2	2	2	2	2	2	2	2
p	26	30	36	44	55	67	85	95	110
r1**	M4	M5	M6	M8	M12	M16	M16	M20	M20
s	4x M5 x9	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	8	10	10	10	10	10
Øu _{g6}	63.9	72.9	87	107	103	127	158	178	198
Øv	54	62	76	92	92	114	142	160	176
Feather key _{d1} ***	4x4x20	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
Keyway _{d3} ***	4x4	5x5	6x6	6x6	10x8	12x8	14x9	16x10	18x11

** According to Form D, DIN332

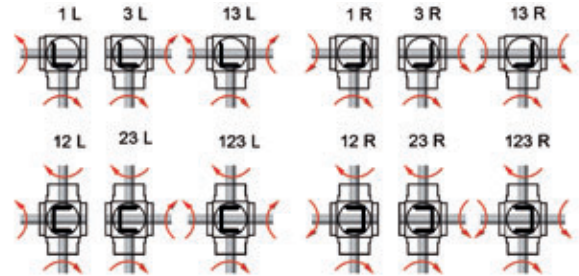
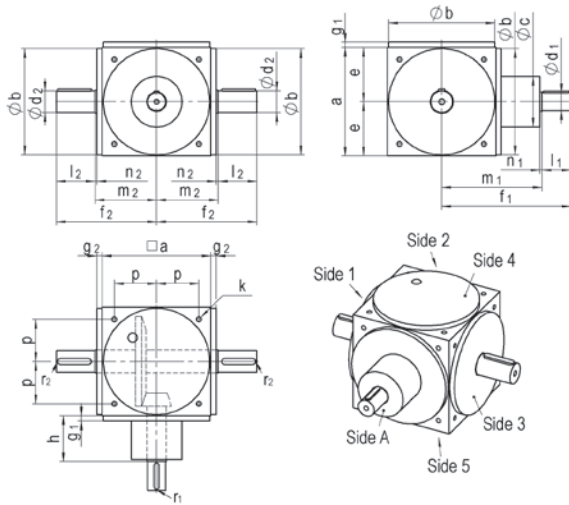
*** Feather key / Keyway according to DIN 6885/1

Dimensions and shaft arrangements

P-Version configuration L

POWER GEAR

Always right view = mirrored illustration



		P360L	P450L
a	i=1:1 – 5:1	360	450
ϕb h7	i=1:1 – 5:1	350	440
ϕc	i=1:1 – 2:1	210	250
	i=3:1 – 5:1	170	210
ϕd_1 k6	i=1:1 – 2:1	75	90
	i=3:1	60	75
	i=4:1	55	70
	i=5:1	50	60
l_1	i=1:1 – 2:1	120	160
	i=3:1	110	120
	i=4:1	85	120
	i=5:1	80	110
ϕd_2 k6	i=1:1 – 5:1	75	90
l_2	i=1:1 – 5:1	120	160
e	i=1:1 – 5:1	180	225
f_1	i=1:1 – 2:1	445	570
	i=3:1	435	530
	i=4:1	410	530
	i=5:1	405	520
f_2	i=1:1 – 5:1	325	410
g_1	i=1:1 – 5:1	22	22
g_2	i=1:1 – 5:1	22	22
h	i=1:1 – 5:1	145	185
k	i=1:1 – 5:1	M20 x37.5	M20 x37.5
m_1	i=1:1 – 5:1	325	410
m_2	i=1:1 – 5:1	205	250
n_1	i=1:1 – 5:1	3	3
n_2	i=1:1 – 5:1	3	3
p	i=1:1 – 5:1	140	175
r_1^{**}	i=1:1 – 2:1	M20	M24
	i=3:1	M20	M20
	i=4:1	M20	M20
	i=5:1	M16	M20
r_2^{**}	i=1:1 – 5:1	M20	M24
s	i=1:1 – 5:1	–	–
t	i=1:1 – 5:1	–	–
ϕu_{g6}	i=1:1 – 5:1	–	–
ϕv	i=1:1 – 5:1	–	–
Feather key d_1^{***}	i=1:1 – 2:1	20x12x110	25x14x140
	i=3:1	18x11x100	20x12x110
	i=4:1	16x10x80	20x12x110
	i=5:1	14x9x70	18x11x100
Feather key d_2^{***}	i=1:1 – 5:1	20x12x110	25x14x140

** According to Form D, DIN332

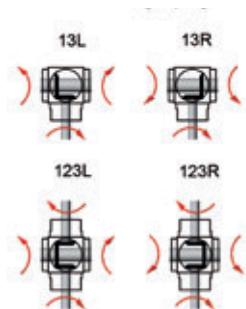
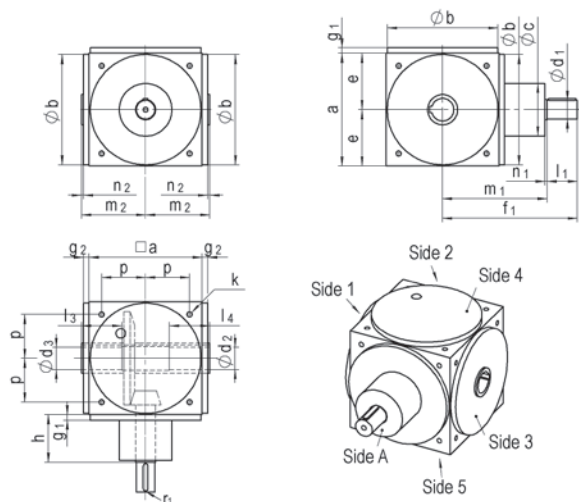
*** Feather key according to DIN 6885/1

Dimensions and shaft arrangements

P-Version configuration H

POWER GEAR

Always right view = mirrored illustration



		P360H	P450H
a	i=1:1–5:1	360	450
Øb_{h7}	i=1:1–5:1	350	440
Øc	i=1:1–2:1	210	250
	i=3:1–5:1	170	210
Ød₁ k6	i=1:1–2:1	75	90
	i=3:1	60	75
	i=4:1	55	70
	i=5:1	50	60
l₁	i=1:1–2:1	120	160
	i=3:1	110	120
	i=4:1	85	120
	i=5:1	80	110
Ød₃ H7	i=1:1–5:1	75	90
l₃	i=1:1–5:1	165	200
l₄	i=1:1–5:1	105	140
e	i=1:1–5:1	180	225
f₁	i=1:1–2:1	445	570
	i=3:1	435	530
	i=4:1	410	530
	i=5:1	405	520
g₁	i=1:1–5:1	22	22
g₂	i=1:1–5:1	22	22
h	i=1:1–5:1	145	185
k	i=1:1–5:1	M20 x37.5	M20 x37.5
m₁	i=1:1–5:1	325	410
m₂	i=1:1–5:1	205	250
n₁	i=1:1–5:1	3	3
n₂	i=1:1–5:1	3	3
p	i=1:1–5:1	140	175
r₁**	i=1:1–2:1	M20	M24
	i=3:1	M20	M20
	i=4:1	M20	M20
	i=5:1	M16	M20
s	i=1:1–5:1	–	–
t	i=1:1–5:1	–	–
Øu_{g6}	i=1:1–5:1	–	–
Øv	i=1:1–5:1	–	–
Feather key d₁***	i=1:1–2:1	20x12x110	25x14x140
	i=3:1	18x11x100	20x12x110
	i=4:1	16x10x80	20x12x110
	i=5:1	14x9x70	18x11x100
Keyway d₃***	i=1:1–5:1	20x12	25x14

** According to Form D, DIN332

*** Feather key / Keyway according to DIN 6885/1

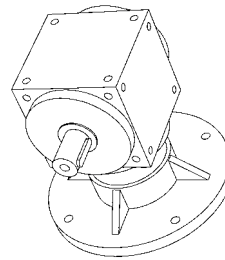
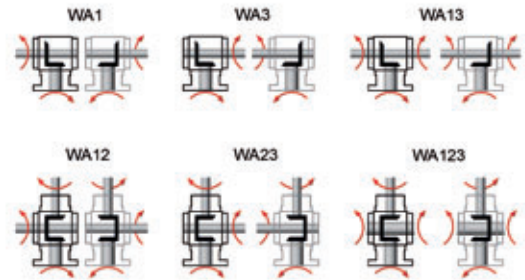
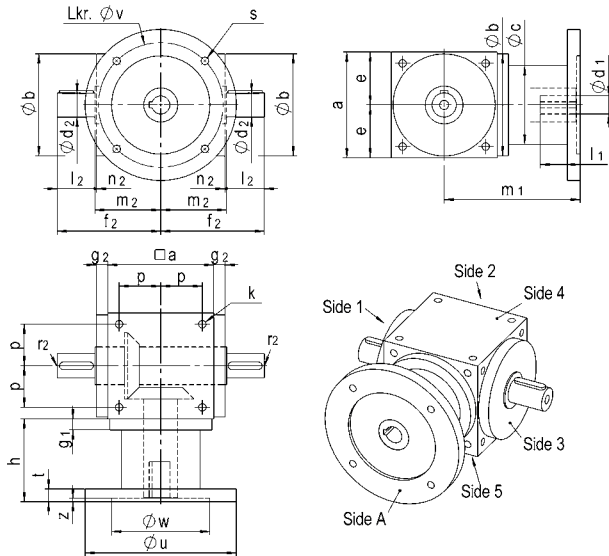
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Dimensions and shaft arrangements

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
a	75	90	110	140	170	210	240	280
Øb h7	73	88	108	135	165	205	235	275
Øc	72	86	106	104	128	160	180	200
Ød2 k6	16	18	22	32	40	50	55	60
l2	30	35	40	50	60	75	85	110
e	37.5	45	55	70	85	105	120	140
f2	84	97	112	137	162	202	232	277
g1	15	15	15	15	15	20	25	25
g2	14.5	15	15	15	15	20	25	25
h	62.5	68	80	110	130	170	180	185
k	M6 x12	M6 x12	M8 x15.5	M10 x19.5	M12 x23	M16 x30	M16 x30	M16 x30
m1	102	113	135	180	215	275	300	325
m2	54	62	72	87	102	127	147	167
n2	2	2	2	2	2	2	2	2
p	30	36	44	55	67	85	95	110
r2**	M5	M6	M8	M12	M16	M16	M20	M20
t	14	14	17	17	20	20	20	20
Feather key d2***	5x5x25	6x6x28	6x6x32	10x8x45	12x8x50	14x9x70	16x10x80	18x11x100
Z	4.5	4.5	5	5	6	6	6	6

Also available with flange and coupling

Input shaft Ød1^{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 Øu / Øv with 4 threaded holes s / Øw^{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 Øu / Øv with bore holes s / Øw^{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			

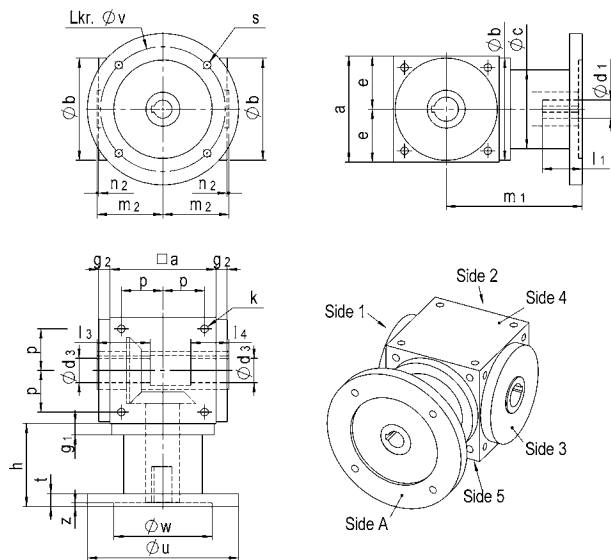
** According to Form D, DIN332

*** Feather key according to DIN 6885/1

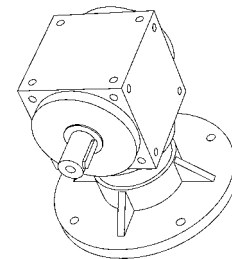
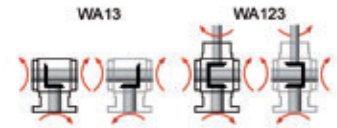
Dimensions and shaft arrangements

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
a	75	90	110	140	170	210	240	280
Øb _{h7}	73	88	108	135	165	205	235	275
Øc	72	86	106	104	128	160	180	200
Ød ₃ ^{H7}	14	18	22	32	40	50	55	60
e	37.5	45	55	70	85	105	120	140
g ₁	15	15	15	15	15	20	25	25
g ₂	14.5	15	15	15	15	20	25	25
h	62.5	68	80	110	130	170	180	185
k	M6 x12	M6 x12	M8 x15.5	M10 x19.5	M12 x23	M16 x30	M16 x30	M16 x30
l ₃	47	55	60	70	80	95	115	130
l ₄	32	35	40	50	55	65	80	80
m ₁	102	113	135	180	215	275	300	325
m ₂	54	62	72	87	102	127	147	167
n ₂	2	2	2	2	2	2	2	2
p	30	36	44	55	67	85	95	110
t	14	14	17	17	20	20	20	20
Keyway _{d3***}	5x5	6x6	6x6	10x8	12x8	14x9	16x10	18x11
Z	4.5	4.5	5	5	6	6	6	6
Also available with flange and coupling								
Input shaft Ød1 ^{G7} x L1 with keyway bxx 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 ^{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 Øu / Øv with bore holes s / Øw ^{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			

*** Feather key / Keyway according to DIN 6885/1

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