

Module 1.5



Crossed helical gear Pre-treated or case hardened steel



- **Quality grade 7e25 DIN 3961 (AGMA Q10)**
- Power transferred through 90°
- 45° Right angled helical (R in Part number)
- 45° Left angled helical (L in Part number)
- Pressure angle: 20°
- Material:
 - 35NCD6 Pre-treated steel 28HRC
 - 20NCD2 case hardened steel 58HRC
- Teeth conform to DIN 867
- Tooth thickness conforms to DIN 58405
- Efficiency approx 98%

Quality grade 7e25

Options

- Alternative bores (H7)
- Keyway conforming to DIN 6885 (JS9)
- Tapped hole
- Hole for dowel pin

Info.

- Torque figures are for 100 rpm and are given as a guide only.
 - Grade and tolerances measured before heat treatment
- Important:** A helical gear with a 45° right hand angle meshes with a second identically angled gear.

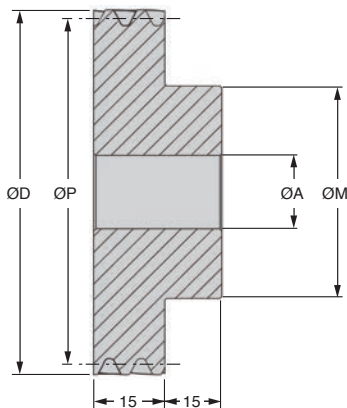
DISCOUNTS

Qty	1+	6+	19+	50+
Disc.	List	-5%	-10%	On request

Part number		Z	OP	OD	OA	OM	Backlash (mm)	Torque (Nm)		Weight (kg)	Price each 1 to 5	
Standard	Hardened	Teeth	Pitch	External	Bore	Boss		Standard	Hardened		Standard	Hardened
PXHG1.5-15R	PXHG1.5-15RH	15	31,82	34,82	6	25	0.190 - 0.065	0.63	2.30	0.144	45.64 €	75.30 €
PXHG1.5-16R	PXHG1.5-16RH	16	33.94	36.94	6	25	0.190 - 0.065	0.67	2.46	0.156	46.44 €	76.68 €
PXHG1.5-17R	PXHG1.5-17RH	17	36.06	39.06	6	25	0.190 - 0.065	0.71	2.61	0.170	49.36 €	81.43 €
PXHG1.5-18R	PXHG1.5-18RH	18	38,18	41,18	6	25	0.190 - 0.065	0.75	2.76	0.184	51.67 €	85.29 €
PXHG1.5-19R	PXHG1.5-19RH	19	40.31	43.31	6	25	0.190 - 0.065	0.80	2.92	0.200	53.33 €	87.96 €
PXHG1.5-20R	PXHG1.5-20RH	20	42.43	45.43	6	25	0.190 - 0.065	0.84	3.07	0.216	55.68 €	91.91 €
PXHG1.5-21R	PXHG1.5-21RH	21	44.55	47.55	8	40	0.190 - 0.065	0.88	3.22	0.318	57.34 €	94.64 €
PXHG1.5-22R	PXHG1.5-22RH	22	46,67	49,67	8	40	0.190 - 0.065	0.92	3.38	0.335	59.29 €	97.90 €
PXHG1.5-23R	PXHG1.5-23RH	23	48.79	51.79	8	40	0.190 - 0.065	0.88	3.24	0.354	59.92 €	98.93 €
PXHG1.5-24R	PXHG1.5-24RH	24	50.91	53.91	8	40	0.250 - 0.089	0.92	3.39	0.373	60.46 €	99.81 €
PXHG1.5-25R	PXHG1.5-25RH	25	53.03	56.03	8	40	0.250 - 0.089	0.96	3.53	0.394	64.30 €	106.08 €
PXHG1.5-26R	PXHG1.5-26RH	26	55.15	58.15	8	40	0.250 - 0.089	1.00	3.67	0.415	65.76 €	108.54 €
PXHG1.5-27R	PXHG1.5-27RH	27	57.28	60.28	8	40	0.250 - 0.089	1.04	3.81	0.437	68.53 €	113.10 €
PXHG1.5-28R	PXHG1.5-28RH	28	59.40	62.40	8	40	0.250 - 0.089	1.08	3.95	0.459	70.01 €	115.56 €

Dimensions in mm

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DISCOUNTS

Qty	1+	6+	19+	50+
Disc.	List	-5%	-10%	On request

Part number		Z	ØP	ØD	ØA	ØM	Backlash	Torque (Nm)		Weight	Price each 1 to 5	
Standard	Hardened	Teeth	Pitch	External	Bore	Boss	(mm)	Standard	Hardened	(kg)	Standard	Hardened
PXHG1.5-29R	PXHG1.5-29RH	29	61,52	64,52	10	50	0,250 - 0,089	1,12	4,09	0,559	70,03 €	115,64 €
PXHG1.5-30R	PXHG1.5-30RH	30	63,64	66,64	10	50	0,250 - 0,089	1,15	4,23	0,584	70,06 €	115,70 €
PXHG1.5-32R	PXHG1.5-32RH	32	67,88	70,88	10	50	0,250 - 0,089	1,23	4,51	0,635	74,42 €	122,88 €
PXHG1.5-35R	PXHG1.5-35RH	35	74,25	77,25	10	50	0,250 - 0,089	1,27	4,65	0,718	85,47 €	141,06 €
PXHG1.5-38R	PXHG1.5-38RH	38	80,61	83,61	12	55	0,254 - 0,085	1,38	5,04	0,850	91,60 €	151,21 €
PXHG1.5-40R	PXHG1.5-40RH	40	84,85	87,85	12	55	0,254 - 0,085	1,45	5,31	0,914	93,73 €	154,70 €
PXHG1.5-42R	PXHG1.5-42RH	42	89,10	92,10	12	55	0,254 - 0,085	1,52	5,58	0,982	95,04 €	156,88 €
PXHG1.5-45R	PXHG1.5-45RH	45	95,46	98,46	12	55	0,254 - 0,085	1,63	5,97	1,090	98,13 €	161,97 €
PXHG1.5-48R	PXHG1.5-48RH	48	101,82	104,82	12	55	0,254 - 0,085	1,74	6,37	1,206	106,67 €	176,09 €
PXHG1.5-50R	PXHG1.5-50RH	50	106,07	109,07	14	65	0,254 - 0,085	1,75	6,43	1,389	113,52 €	187,33 €
PXHG1.5-52R	PXHG1.5-52RH	52	110,31	113,31	14	65	0,254 - 0,085	1,82	6,69	1,473	123,79 €	204,22 €
PXHG1.5-55R	PXHG1.5-55RH	55	116,67	119,67	14	65	0,254 - 0,085	1,93	7,07	1,606	131,25 €	216,63 €
PXHG1.5-58R	PXHG1.5-58RH	58	123,04	126,04	14	65	0,259 - 0,081	2,03	7,46	1,747	146,22 €	241,26 €
PXHG1.5-60R	PXHG1.5-60RH	60	127,28	130,28	14	65	0,332 - 0,126	2,10	7,72	1,845	146,32 €	241,38 €

Dimensions in mm

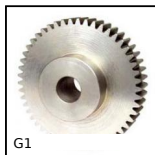
Our other products



GLP
Small 6 lobe male
handle,
Technopolymer -
Stainless steel



MSP38
Masterplate®
glueable insert,
Cylindrical Ø38 with
tapped insert



G1
Spur gear, Steel
20NCD2



LACM_SS
Stainless steel cam
lever, Female



YG0
Spur gear, Steel
35NCD6



WJUM20
Drylin® W modular
guidance, Slide



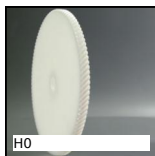
PR882
Idler sprocket, Range
882



UGPL
Actuator guide kit,
Long bearing



B3PAN
Panamech, Multi-
Beam, Stainless steel
- with clamping jaw



H0
90° crossed axis
helical gear, Machined
plastic (delrin)



FB
Bevel gear - Steel
60C40, 4:1



PSG1255
Spur gear - precision
range, Stainless steel
303

Complementary products



PXHG15
Crossed helical gear -
precision range,
20NCD2 case
hardened steel



H1
90° crossed axis
helical gear, Steel
20NCD2