

# KRPX SIZE 3

## KRPX3

Weight

Efficiency

Backlash

Color

## Tooth type

Module

Helix angle (left)

Number of teeth

Pressure angle

Theoretical pitch diameter

Addendum modification factor

Pinion quality grade

Surface hardness

## Ratio

Nominal feed force

Peak acceleration feed force

Max. acceleration feed force

E-stop force

Max. linear speed

Nominal linear speed

Linear stiffness on the rack

Inertia

## Ratio

Nominal output torque

Max. output torque

No load torque

No load torque

E-stop torque

Max. input speed

Nominal input speed

Radial stiffness

Axial stiffness

Torsional stiffness

**CUBI**concept



## General data

			<b>M</b>	<b>R</b>
<b>m</b>	kg	1 Stage		
		2 Stages	130	143
<b>η</b>	%	1 Stage		
		2 Stages	93	91
<b>J</b>	arcmin	Standard	3	4
		Reduced	1	2
RAL2012				

## Pinion features

		<b>Helical</b>	<b>Straight</b>
<b>Mo</b>	mm	5	5
<b>β</b>	deg	19°31'42"	0°
<b>Z2</b>	-	18	19
<b>α</b>	deg	20°	20°
<b>D02</b>	mm	95,49	95
<b>x0</b>	-	0,251	0,300
<b>Q</b>	(ISO 1328)	6	6
<b>HRC</b>	HRC	61-63	61-63

## Rack features

<b>Version</b>			<b>Helical</b>	<b>Straight</b>
Standard	<b>F2B</b>	N	44837	38761
	<b>F2NOT</b>	N	89674	67410
	<b>Material</b>		C45E DIN 1.1191	
Reinforced	<b>F2B</b>	N	55062	N/A
	<b>F2NOT</b>	N	119700	N/A
	<b>Material</b>		16MnCr5	
Available length	<b>L</b>	mm	500, 1000, 2000	
Dimensions	see details p113-115			

## Drive linear features

		<b>5</b>	<b>7</b>	<b>10</b>	<b>17</b>	<b>21</b>	<b>31</b>	<b>46</b>	<b>61</b>	<b>91</b>
<b>F2N</b>	N				38748	31417	46078	29532	32255	32255
<b>F2B</b>	N				67819	54980	80637	51691	56446	56446
<b>F2B_max</b>	N				135637	109959	161273	103383	112891	112891
<b>F2NOT</b>	N				103676	103676	103676	103676	103676	103676
<b>V2B</b>	m/min				88	71	48	33	25	16
<b>V2N</b>	m/min				28	23	15	10	8	5
<b>K2T +M</b>	N/μm				426	426	409	399	387	421
<b>K2T +R</b>	N/μm				-	363	386	374	385	382
<b>I +M</b>	kg.mm <sup>2</sup>				1242	994	846	773	666	647
<b>I +R</b>	kg.mm <sup>2</sup>				-	2552	2403	2330	2224	2204

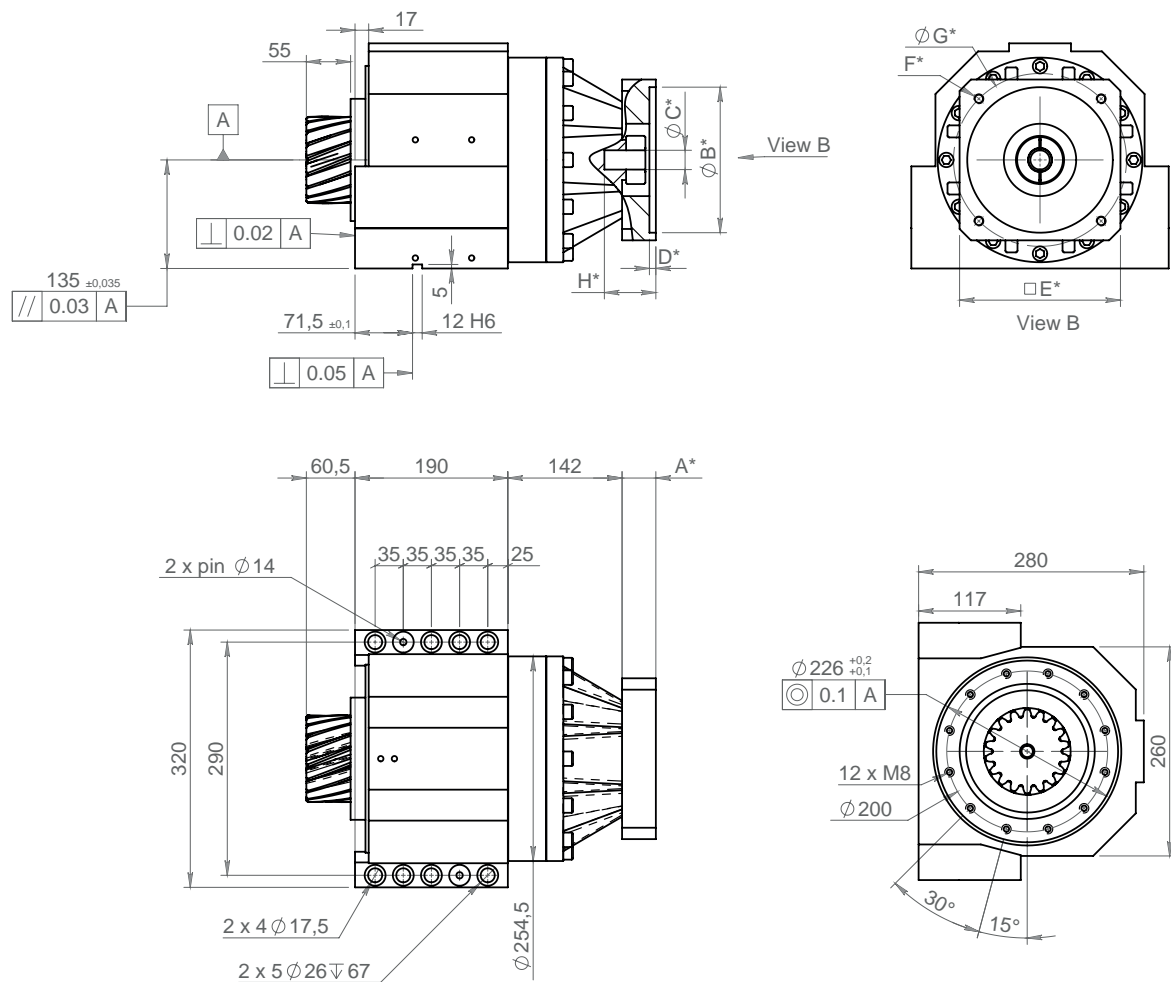
## KRPX ratings

		<b>5</b>	<b>7</b>	<b>10</b>	<b>17</b>	<b>21</b>	<b>31</b>	<b>46</b>	<b>61</b>	<b>91</b>
<b>T2N</b>	Nm				1850	1500	2200	1410	1540	1540
<b>T2B</b>	Nm				3238	2625	3850	2468	2695	2695
<b>T01 +R</b>	Nm				2,8	2,8	2,8	2,8	2,8	2,8
<b>T01 +M</b>	Nm				2,5	2,5	2,5	2,5	2,5	2,5
<b>T2NOT</b>	Nm				4950	4950	4950	4950	4950	4950
<b>n1B</b>	rpm				5000	5000	5000	5000	5000	5000
<b>n1N</b>	rpm				1600	1600	1600	1600	1600	1600
<b>K2R</b>	N/μm				1100	1100	1100	1100	1100	1100
<b>K2A</b>	N/μm				4355	4355	4355	4355	4355	4355
<b>C2t +R</b>	Nm/ rad				1354472	1505733	1423227	1498858	1478231	
	Nm/arcmin				394	438	414	436	430	
<b>C2t +M</b>	Nm/ rad				1787628	1787628	1663869	1588239	1512609	1753251
	Nm/arcmin				520	520	484	462	440	510

Dimensions and main data for information only - Please consult us and / or refer to Products Datasheets  
 For accurate selection, contact your local supplier

# KRPX SIZE 3

## DIMENSIONS - TYPE M

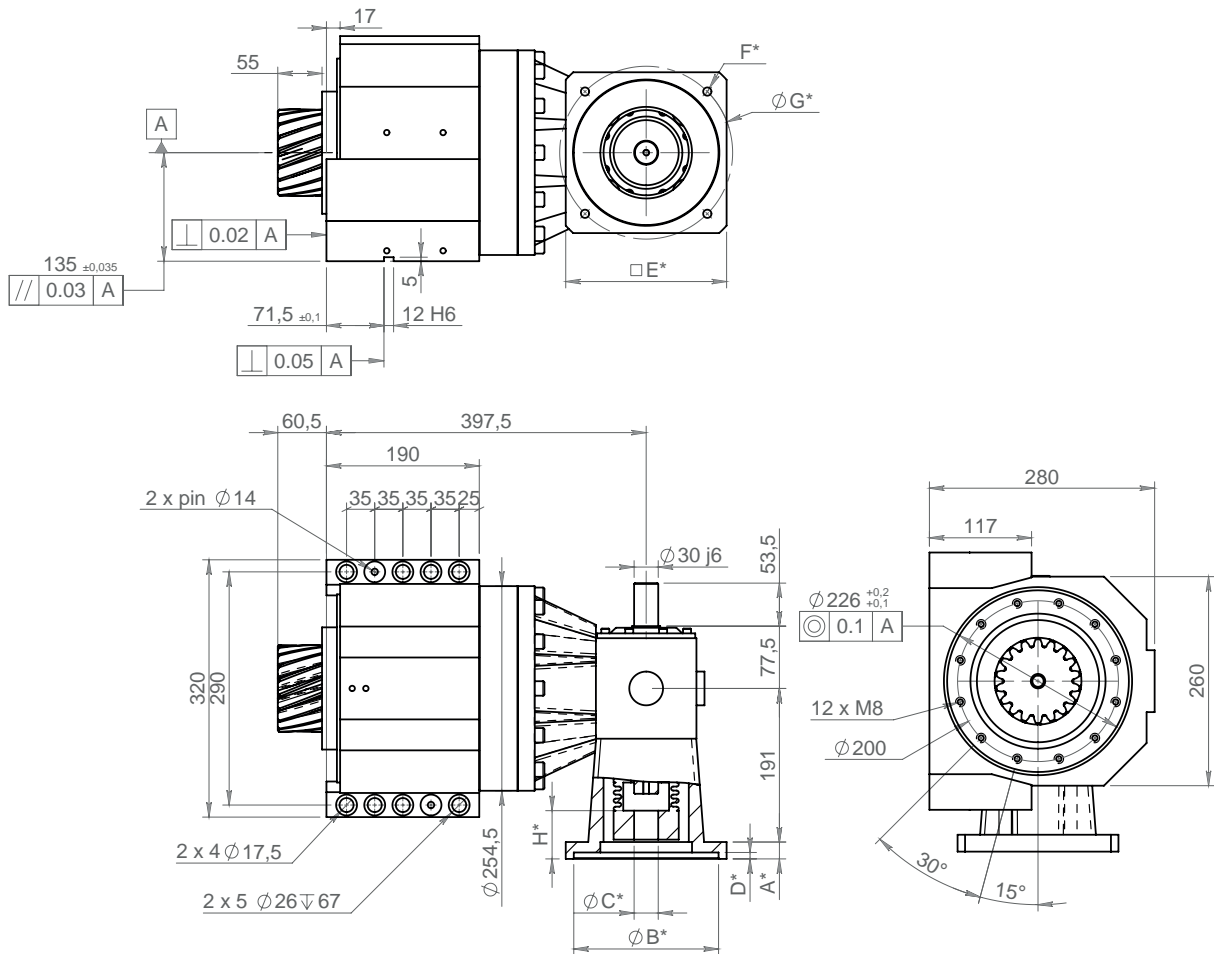


IFB 140 14/24    IFB 140 28/38    IFB 200 28/38    IFB 260 28/38

<b>A</b>	37	42	57	64
<b>E</b>	140	140	200	260
<b>H</b>	59	65	80	87

\*B C D F G According to motor dimensions  
Tapping depth = 1.5x0 thread

# DIMENSIONS - TYPE R



	MF3 140	MF3 200	MF3 260
<b>A</b>	21	21	24
<b>E</b>	140	200	260
<b>H</b>	80	80	83

\*B C D F G According to motor dimensions  
Tapping depth = 1.5x0 thread

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