

MAX POWER
710 W
MAX TORQUE
730 Nm

"08" series air motors **exist in many versions**, straight shaft or right angle drive, with or without integrated control handle, and with many different flanges and output shafts available as standard.

That air motor is also **available with 4 types of integrated gearboxes**, enabling it to adapt to many different **applications**, whether high speed is required (Easy duty), good balance between speed and torque (Standard duty) or high torque and robustness is mandatory (Heavy duty and Super Heavy duty).

With a maximum power of 700 W, it is **one of the most versatile air motors in the range**.

+ ACCESSORIES FOR THIS MOTOR	Reference
Filtration, pressure Regulation and Lubrication unit (FRL)	AC107
Safety Air Treatment Box (SAT Box)	AC118
With Pedal remote control	AC119
With handle remote control	AC120
With remote emergency kill switch	AC125
With remote E-Stop and pedal remote control	AC121
With remote E-Stop and handle remote control	AC122
Maintenance kits	
Maintenance kit for "08" series	AC302
Maintenance kit for lube free "08" series	AC312
Maintenance kit for kit start "08" series	AC322
Control handles	
Safety control handle for non reversible motor	AC415
Safety control handle for reversible motor	AC416
Progressive control handle for non reversible motor	AC417
Progressive control handle for reversible motor	AC418
modec Oil Co-16	AC149
Filters and silencers	
Metallic standard exhaust silencer	AC181
Metallic standard inlet silencer	AC180
Plastic standard exhaust silencer	AC183
Plastic standard inlet silencer	AC150
Heavy duty exhaust silencer	AC155
Heavy duty inlet silencer	AC154
Speed control muffler	AC172
High flow air muffler	AC158
Exhaust silencer filter	AC165

CONNECTION AND LUBRICATION				
	Min. fittings Ø		Min. pipe Ø	
	In	Out	In	Out
	7 mm / 0,3 In	10 mm / 0,4 In	9 mm / 0,4 In	13 mm / 0,5 In
	Lubrication (6,2 bars)			
	4 drops / minute			

CONVERSION TABLE		
Watt ➤ Horse power	Newton meter ➤ Pound feet	Millimeter ➤ Inch
Watt x 0,001341 = hp	Nm x 0,7376 = lb.ft	mm x 0,03937 = in
Bar ➤ Pound per square Inch	Normo Liter / minute ➤ Standard cubic feet per minute	Kilogram ➤ Pound
Bar x 14,5 = psi	NL / min x 0,03531 = scfm	Kg x 2,205 = lb



MOTOR NTH 08 / NTZ 08

POWER 420-430 W

NTH 08 XT

NTH 08 RV

NTZ 08 XT

NTZ 08 RV

REDUCTION RATIO

(3 digits)
See table

OPTIONS

(2 digits)
See table

N T H/Z 0 8 X X X X X X X X X X X X X X X X X X

ROTATION*

RT Right (Clockwise)
LT Left (CCW)
RV Reversible

FLANGE

(1 to 2 digits)

OUTPUT SHAFT

(1 to 3 digits)

* rotation direction is defined when looking from the back of the motor

PERFORMANCES	NTH/Z 08 XT		Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)			Max Power (W)	Air cons (NI/min)	Dimensions		
	Air motor reference				@ max Power	Free	@ max Power	Max (stall)	Starting torque			A (mm)	Ø (mm)	Weight (kg)
	NTH 08 XT 190	190	6,2 bars	43	86	96	174	153	430	1000	277,3	69	3,6	
			5 bars	39	79	80	140	123	331	850				
			4 bars	36	71	64	108	95	239	650				
	NTH 08 XT 224	224	6,2 bars	36	73	113	205	180	430	1000	277,3	69	3,6	
			5 bars	33	67	94	165	145	331	850				
			4 bars	30	60	75	127	112	239	650				
	NTH 08 XT 258	258	6,2 bars	32	63	130	236	208	430	1000	277,3	69	3,6	
			5 bars	29	58	109	189	167	331	850				
4 bars			26	53	87	147	129	239	650					
NTH 08 XT 309	309	6,2 bars	26	53	156	283	249	430	1000	277,3	69	3,6		
		5 bars	24	49	130	227	200	331	850					
		4 bars	22	44	104	176	154	239	650					
NTZ 08 XT 394	394	6,2 bars	21	41	199	360	317	430	1000	168,2	88,8	4,7		
		5 bars	19	38	166	289	255	331	850					
		4 bars	17	34	133	224	197	239	650					
NTZ 08 XT 564	564	6,2 bars	14	29	285	516	454	430	1000	168,2	88,8	4,7		
		5 bars	13	27	237	414	365	331	850					
		4 bars	12	24	190	320	282	239	650					
Ø	NTH/Z 08 RV		Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)			Max Power (W)	Air cons (NI/min)	Dimensions		
	Air motor reference				@ max Power	Free	@ max Power	Max (stall)	Starting torque			A (mm)	Ø (mm)	Weight (kg)
	NTH 08 RV 224	224	6,2 bars	35	70	115	180	159	420	950	420,3	69	3,8	
			5 bars	32	63	96	146	129	317	750				
			4 bars	29	58	78	115	101	236	600				
	NTH 08 RV 258	258	6,2 bars	30	61	132	207	182	420	950	420,3	69	3,8	
			5 bars	27	55	110	168	148	317	750				
			4 bars	25	50	90	132	116	236	600				
	NTH 08 RV 309	309	6,2 bars	25	51	159	248	219	420	950	420,3	69	3,8	
			5 bars	23	46	132	202	177	317	750				
			4 bars	21	42	108	158	139	236	600				
	NTZ 08 RV 394	394	6,2 bars	20	40	202	317	279	420	950	311,2	88,8	4,9	
			5 bars	18	36	168	257	226	317	750				
			4 bars	16	33	137	202	178	236	600				
	NTZ 08 RV 564	564	6,2 bars	14	28	290	454	399	420	950	311,2	88,8	4,9	
			5 bars	13	25	241	368	324	317	750				
			4 bars	11	23	196	289	255	236	600				

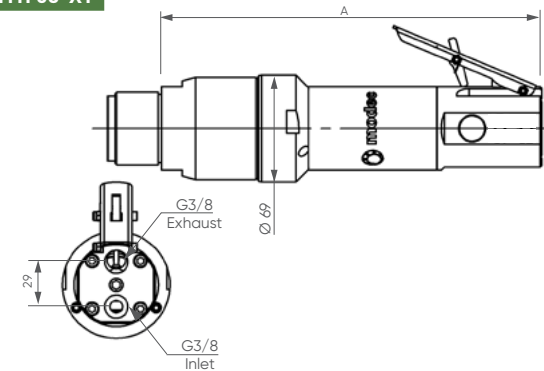
Data indicated in this table have an accuracy of +/- 5%

OPTIONS AVAILABLE FOR THE NTH/Z 08 XT						
Collected exhaust	►	►	►	►	►	►
ATEX certification		►		►	►	►
Lubrication free			►	►	►	►
Kit start				►	►	►
Code	01	07	09	10	21	22

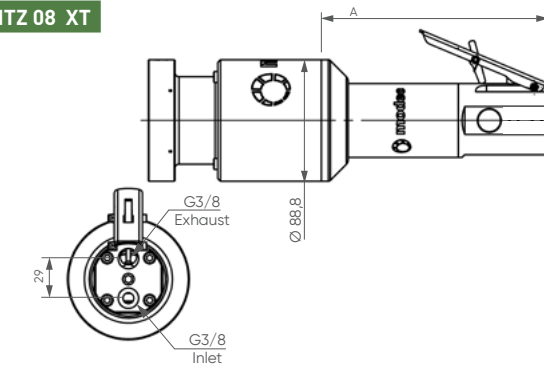
OPTIONS AVAILABLE FOR THE NTH/Z 08 RV						
ATEX certification		►			►	►
Left/Right switch	►	►	►	►	►	►
Lubrication free			►	►	►	►
Kit start				►	►	►
Code	03	12	16	17	29	30

LAYOUT

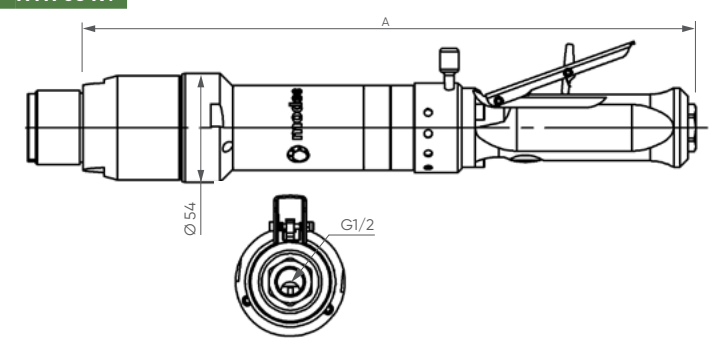
NTH 08 XT



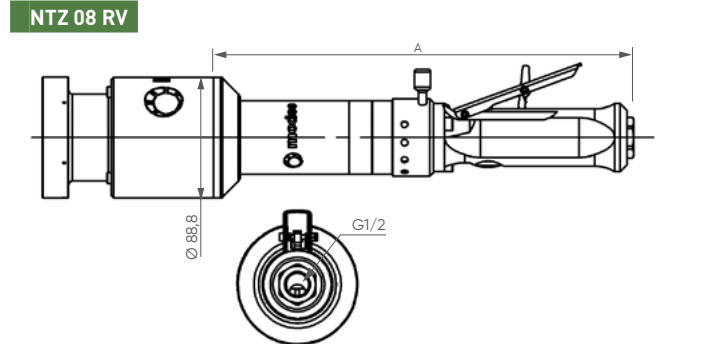
NTZ 08 XT



NTH 08 RV

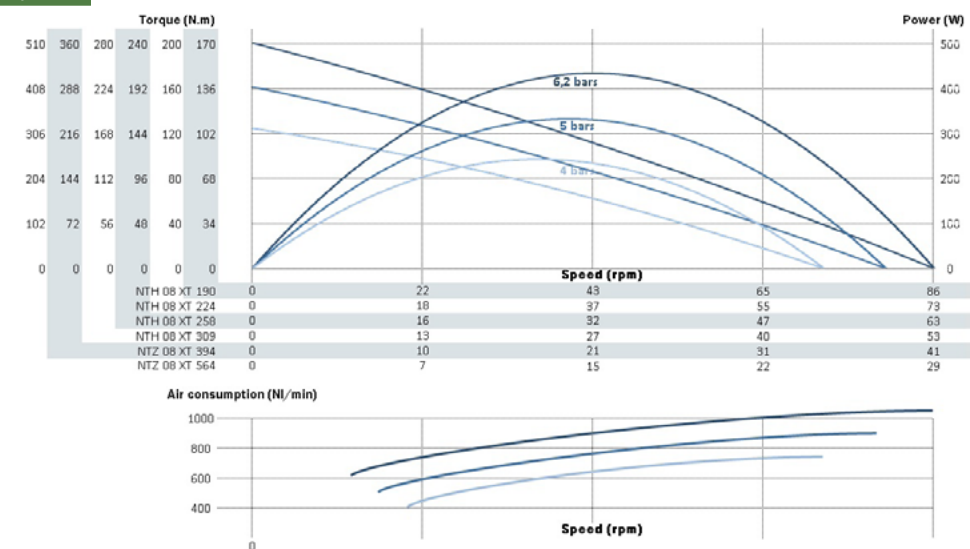


NTZ 08 RV

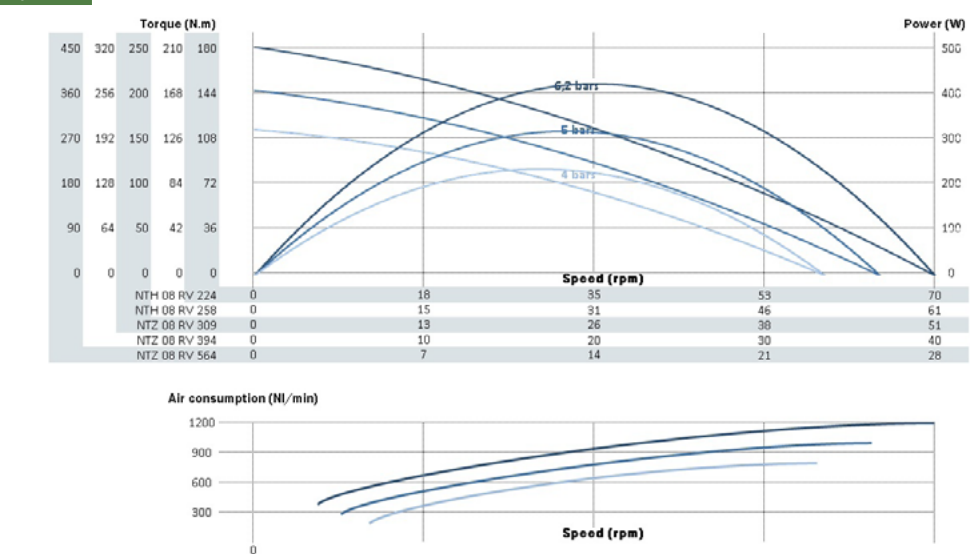


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NTH/Z 08 XT

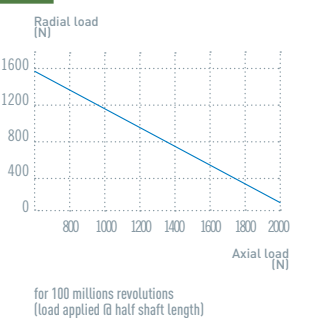


NTH/Z 08 RV

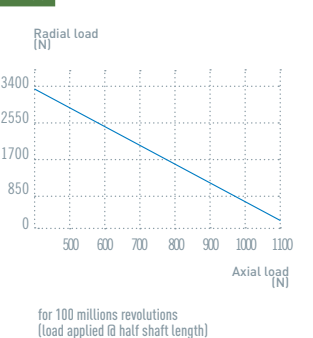


MAXIMUM RADIAL & AXIAL LOAD

NTH 08



NTZ 08

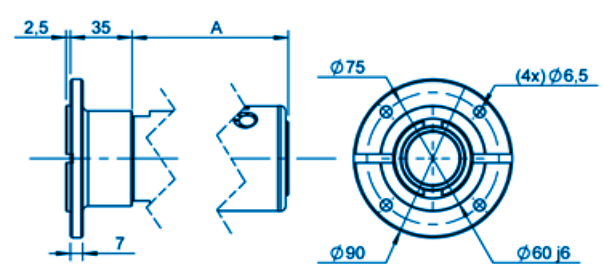


NOTES

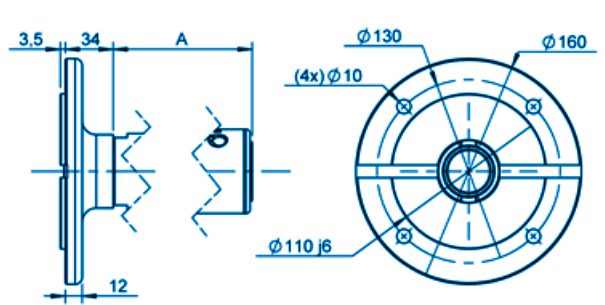
FLANGES **GROUP IV** (1/3)

XTH 05 XTH 07 XTS 08 XTH 08 XTS 10 XTH 10 XTS 20 XTS 25

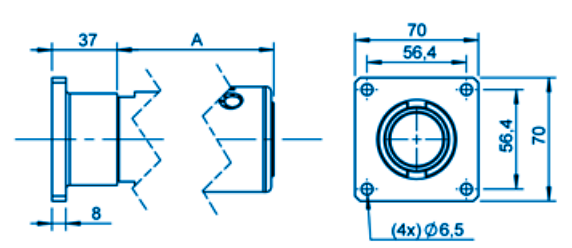
GROUP IV FLANGE AB - IEC63B14



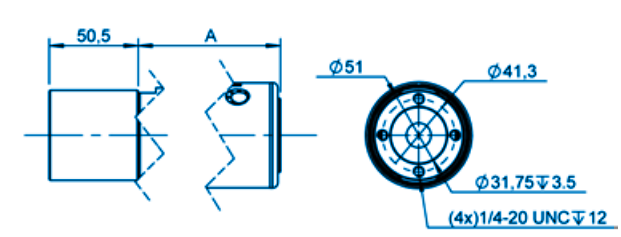
GROUP IV FLANGE AC - IEC71B5



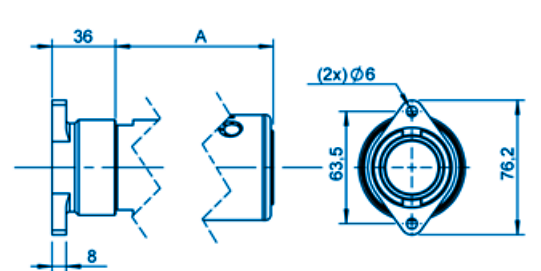
GROUP IV FLANGE AF



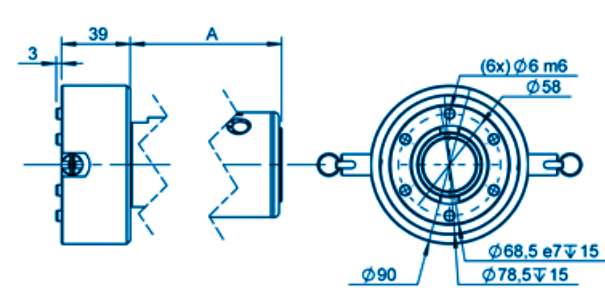
GROUP IV FLANGE AH



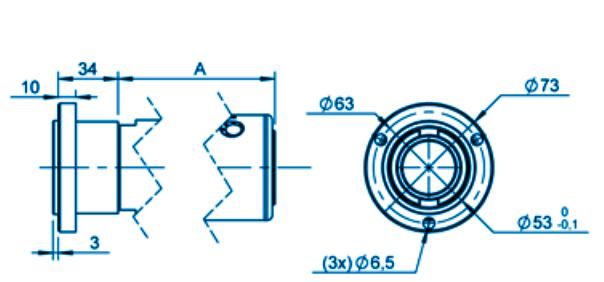
GROUP IV FLANGE AS



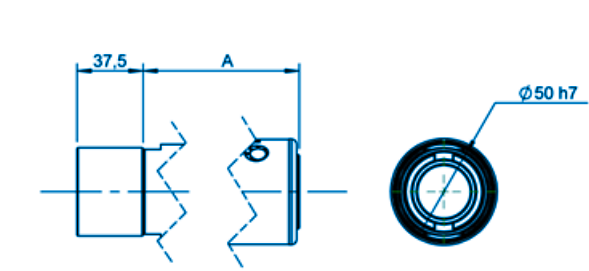
GROUP IV FLANGE AX - ARP



GROUP IV FLANGE B



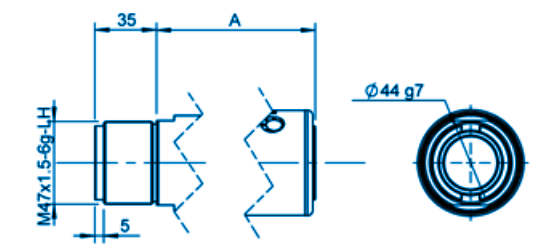
GROUP IV FLANGE B0



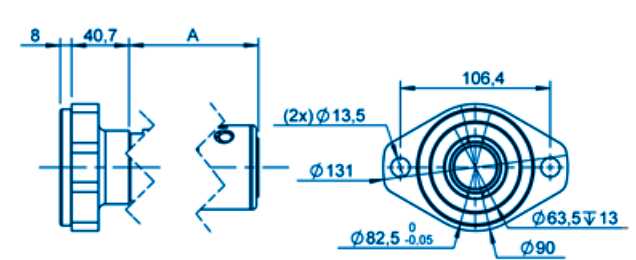
FLANGES **GROUP IV** (2/3)

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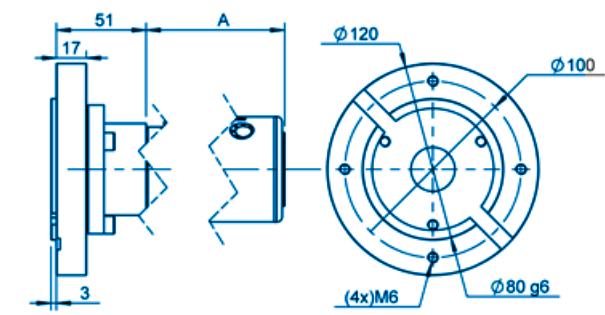
GROUP IV FLANGE F



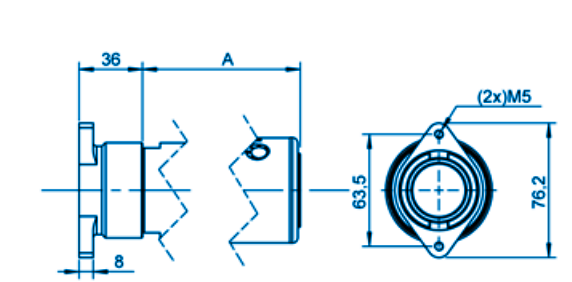
GROUP IV FLANGE FH



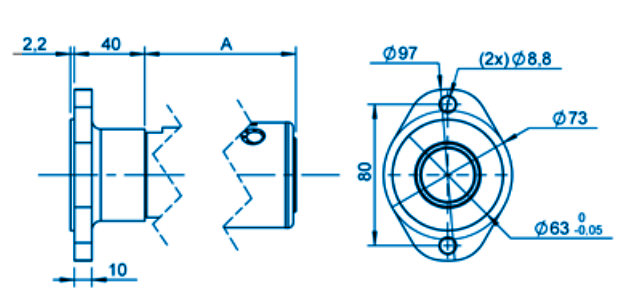
GROUP IV FLANGE FJ - IEC80B14



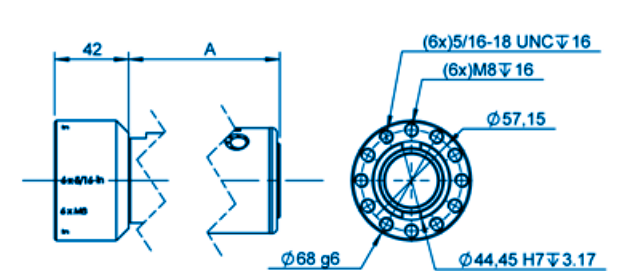
GROUP IV FLANGE J



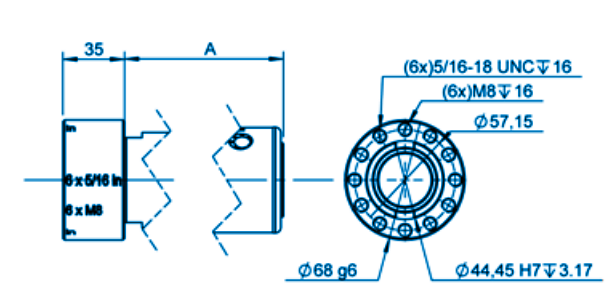
GROUP IV FLANGE L



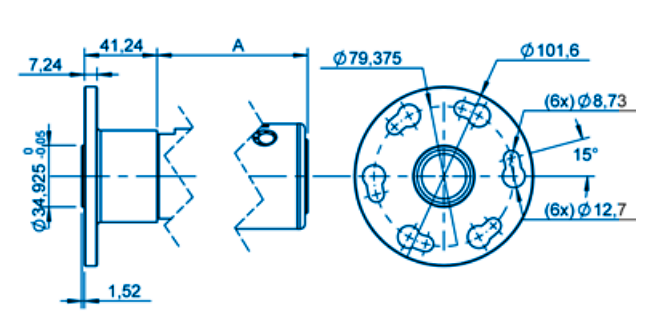
GROUP IV FLANGE M



GROUP IV FLANGE N

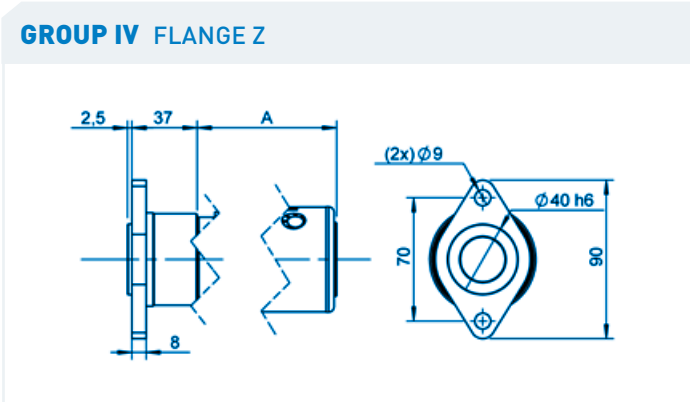
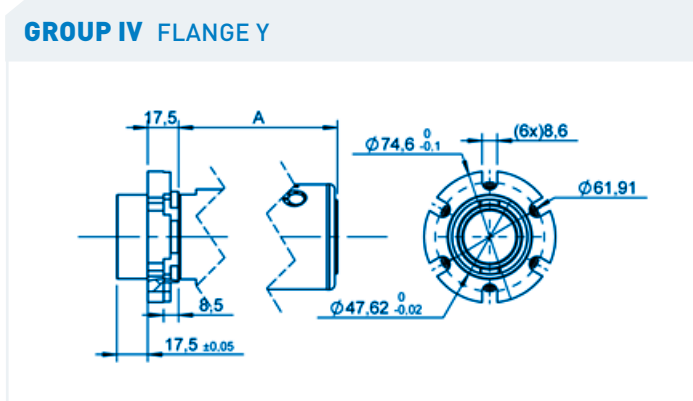
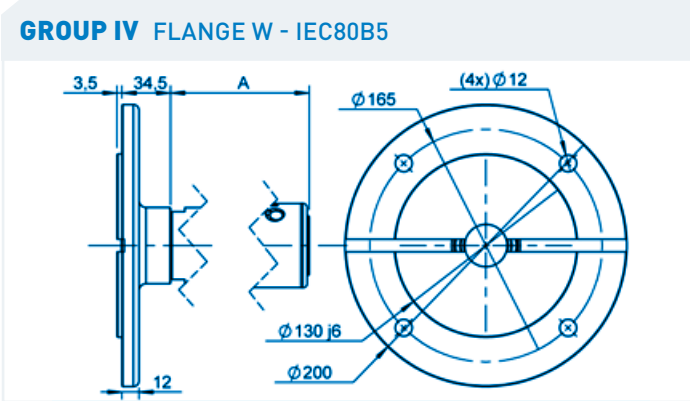
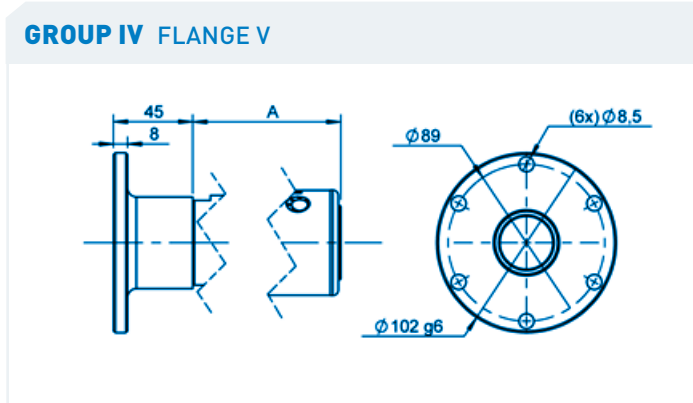
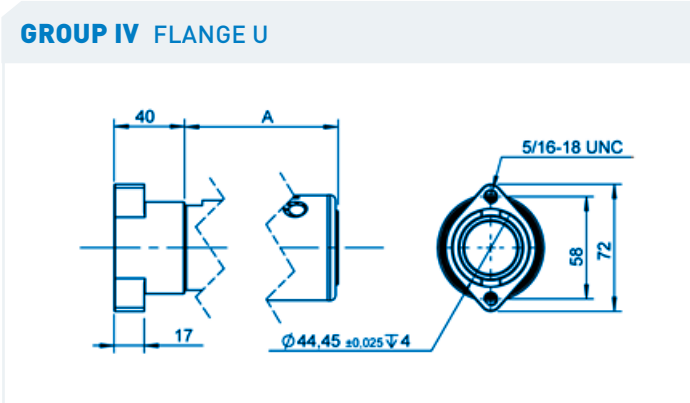
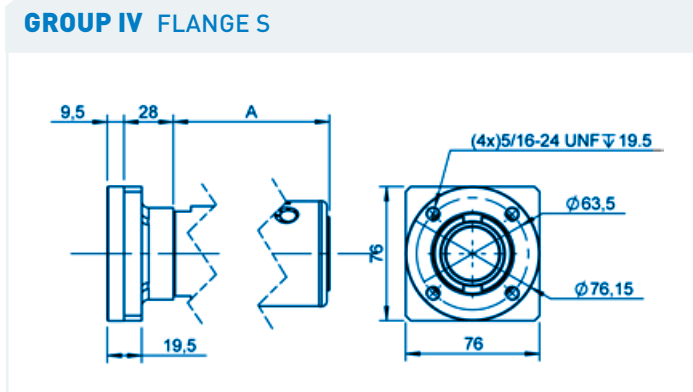
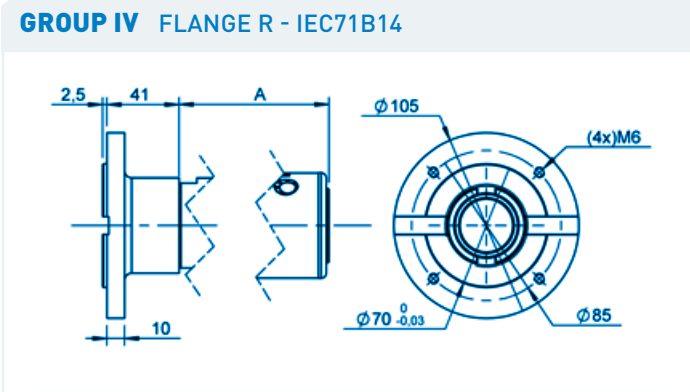


GROUP IV FLANGE Q



FLANGES **GROUP IV** (3/3)

XTH 05 XTH 07 XTS 08 XTH 08 XTS 10 XTH 10 XTS 20 XTS 25

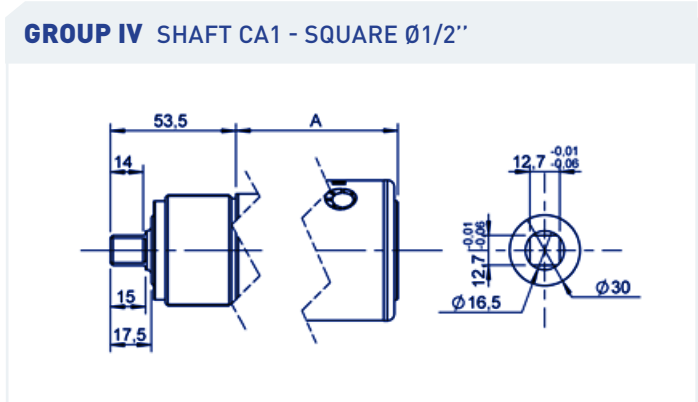
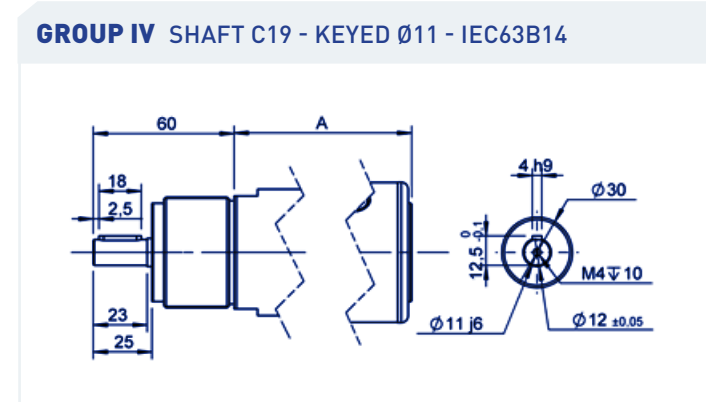
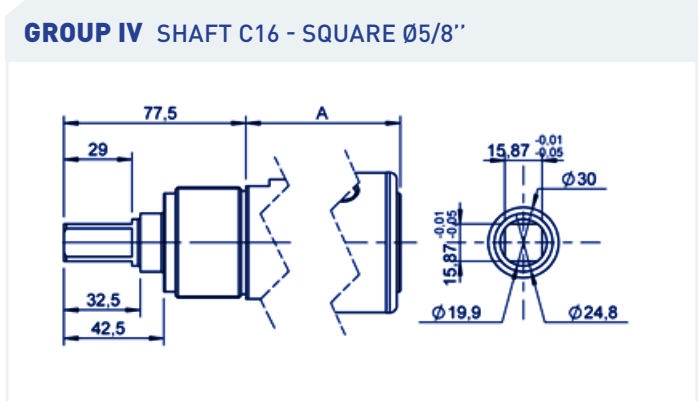
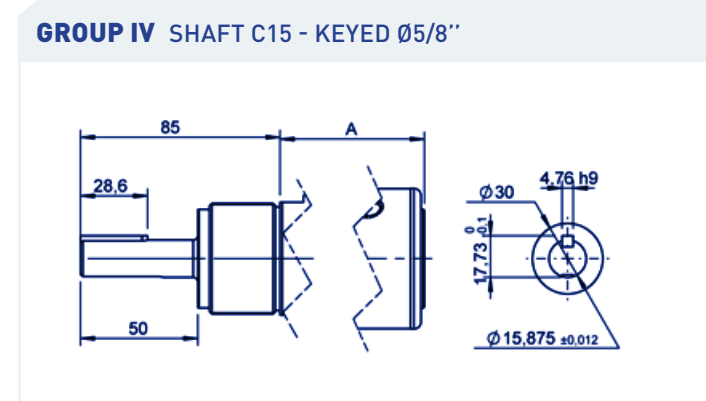
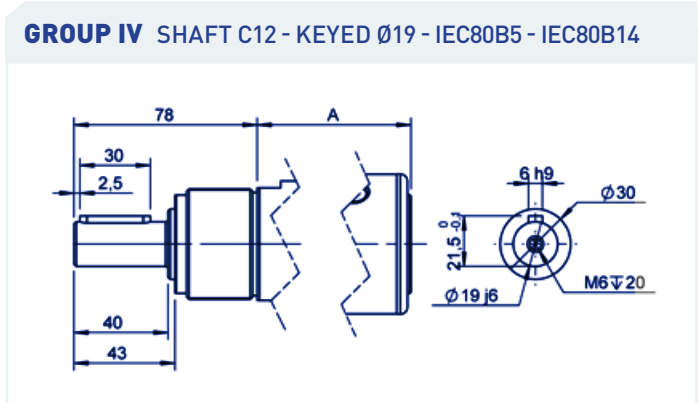
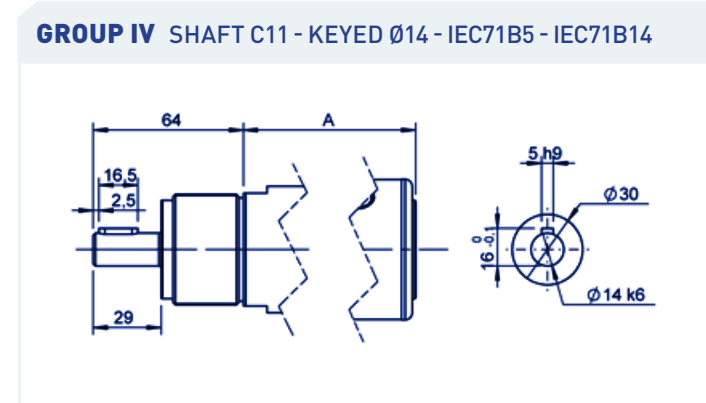
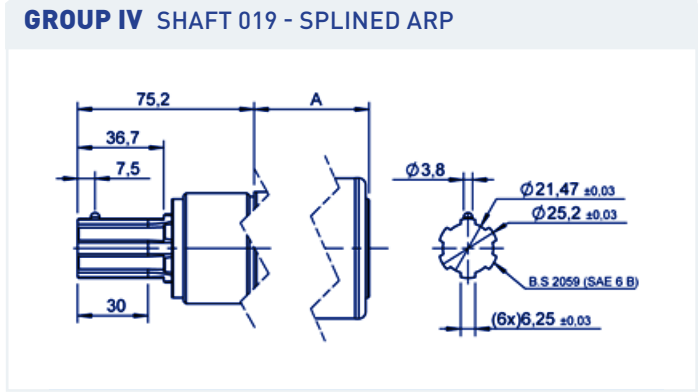
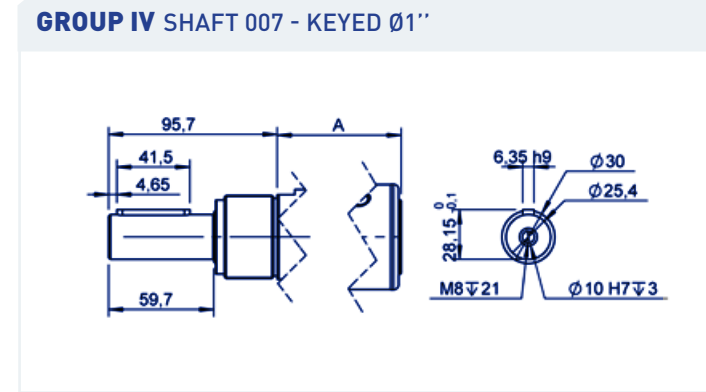


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SHAFTS **GROUP IV** (1/3)

XTH 05 XTH 07 XTS 08 XTH 08 XTS 10 XTH 10 XTS 20 XTS 25



SHAFTS **GROUP IV** (2/3)

XTH 05

XTH 07

XTS 08

XTH 08

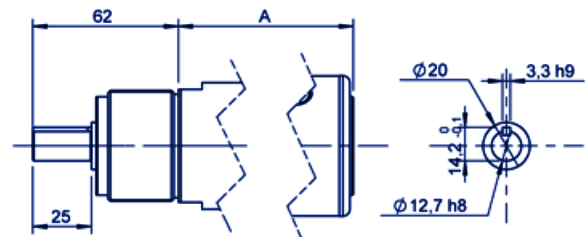
XTS 10

XTH 10

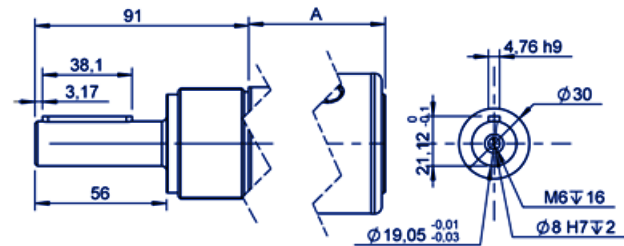
XTS 20

XTS 25

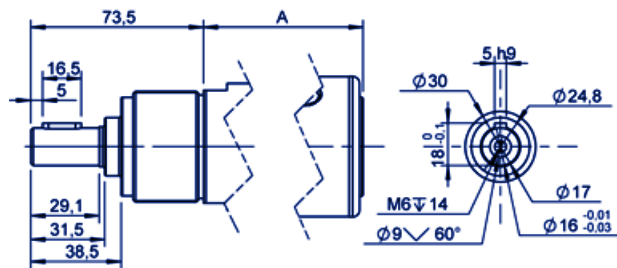
GROUP IV SHAFT CL1 - KEYED Ø1/2"



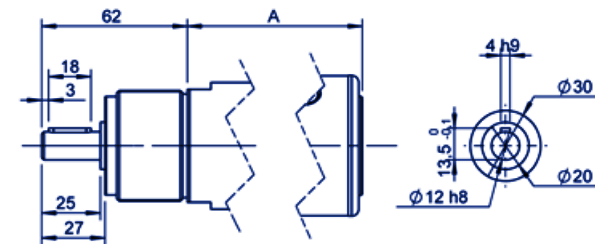
GROUP IV SHAFT CL2 - KEYED Ø3/4"



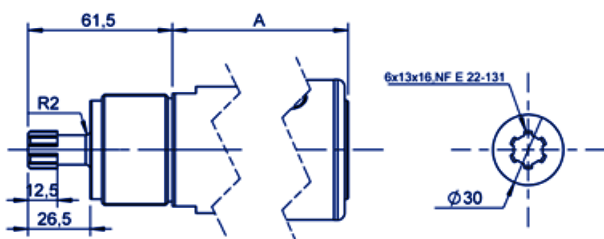
GROUP IV SHAFT CL6 - KEYED Ø16



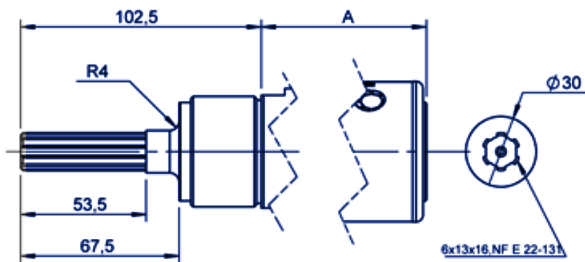
GROUP IV SHAFT CL9 - KEYED Ø12



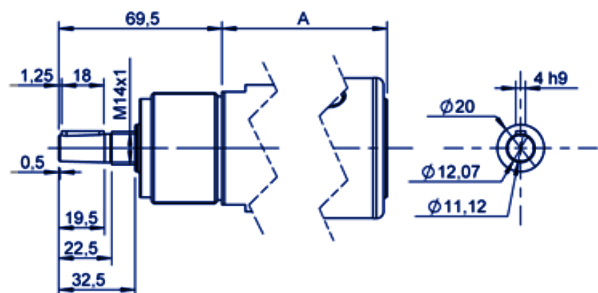
GROUP IV SHAFT CNC - SPLINED SHORT



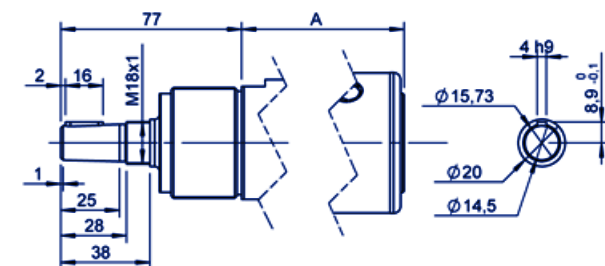
GROUP IV SHAFT CNL - SPLINED LONG



GROUP IV SHAFT CONICAL B12



GROUP IV SHAFT CONICAL B16



SHAFTS **GROUP IV** (3/3)

XTH 05

XTH 07

XTS 08

XTH 08

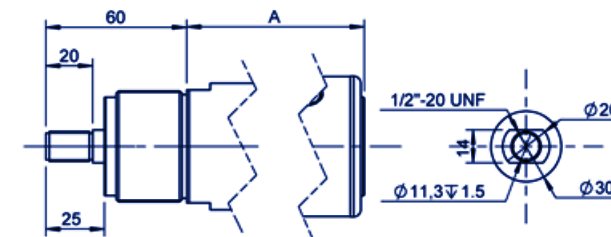
XTS 10

XTH 10

XTS 20

XTS 25

GROUP IV SHAFT FI1 - THREADED Ø1/2"



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FLANGES **GROUP VI**

XTZ 08

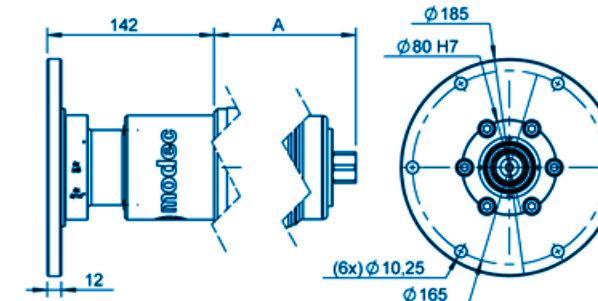
XTZ 10

XTZ 20

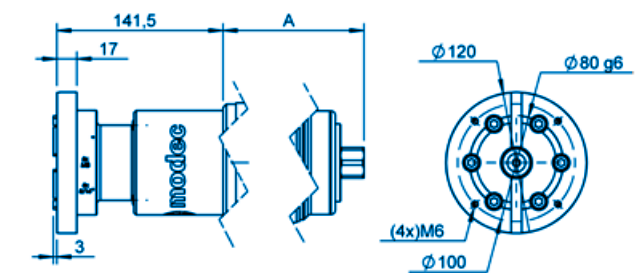
XTZ 25

XTS 30

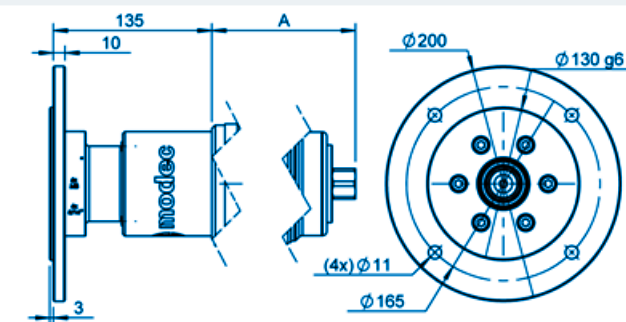
GROUP VI FLANGE AA



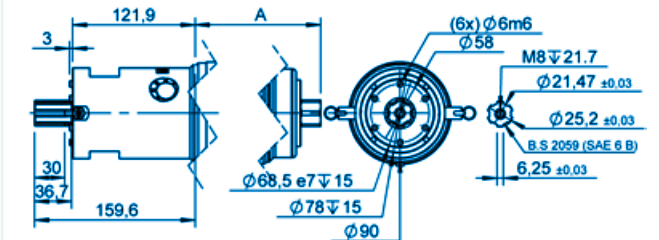
GROUP VI FLANGE AB - IEC80B14



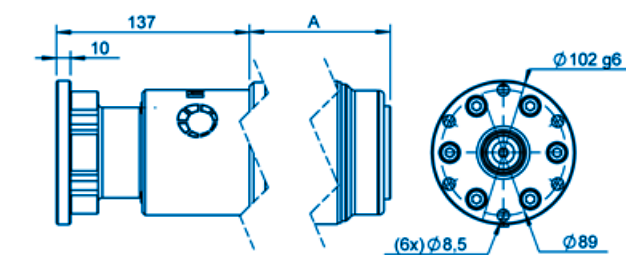
GROUP VI FLANGE AG - IEC80B5



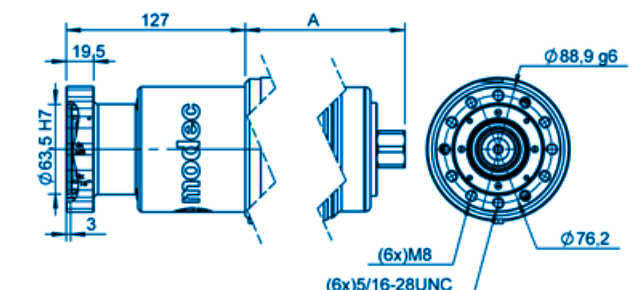
GROUP VI FLANGE AI WITH SHAFT CNW



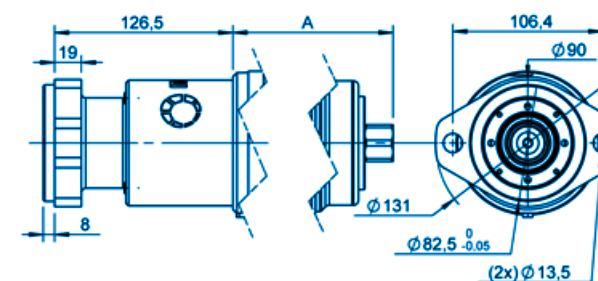
GROUP VI FLANGE AL



GROUP VI FLANGE B



GROUP VI FLANGE H



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SHAFTS

GROUP VI

XTZ 08

XTZ 10

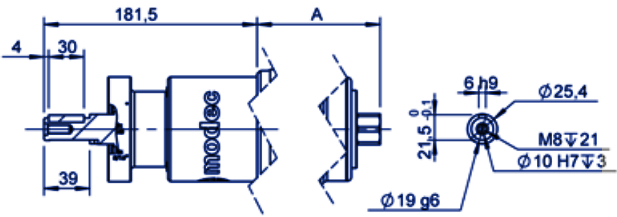
XTZ 20

XTZ 25

XTS 30

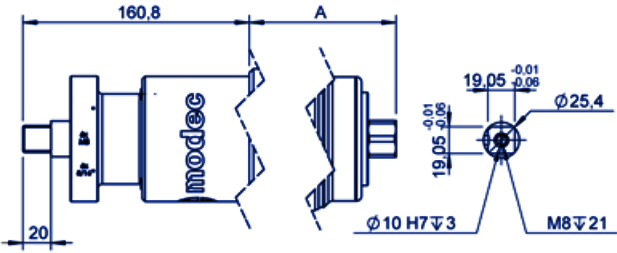
GROUP VI

SHAFT 003 - KEYED Ø19 - IEC 80B14 - IEC 80B5



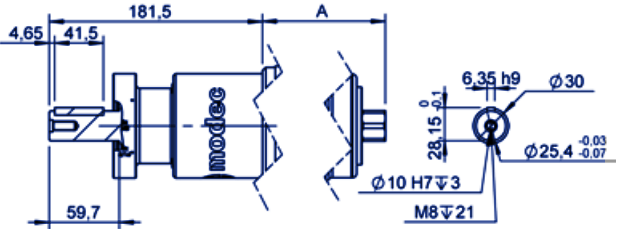
GROUP VI

SHAFT CA1 - SQUARE 3/4"



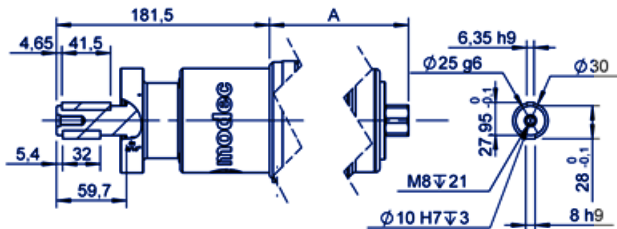
GROUP VI

SHAFT CL2 - KEYED Ø1"



GROUP VI

SHAFT CL4 - KEYED Ø25



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