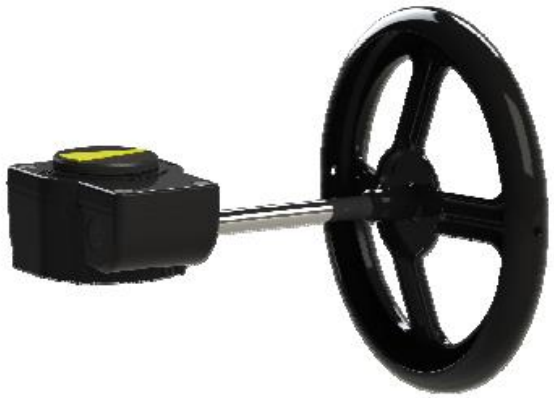
PRODUCT DATA

Body	GEAR BOX The Wouter Witzel EuroValve quarter turn worm gearboxes are very light weighted, but rugged industrial grade products, made of a high pressure casted aluminum housing. All models in this series feature high performance bearings and a powder coated/polyurethane coated finish.
Application	The 232-series is suitable for all general industrial applications.
Performance	The usage of high grade of materials provide a tough, reliable unit. Service life according to EN 1074
Torque range	Up to 1500 Nm
Flange size range	F04 up to F14
Stroke	-5° to 95°
Enclosure	IP65 according to EN 60 529
External corrosion protection	Powder coated, color RAL 9005/polyurethane coated finish
Temperature range	-20° to +120°C
Operating element	Sheet steel pressed hand wheel or steel welded



DESIGN FEATURES

Body	Aluminum Grade LM 9
Input shaft	Protected Steel
Fasteners	Steel zinc plated
Flanges	Standardized according to ISO 5211
Bearings	Axial needle bearings
Gasket	Liquid seal
Position indicator	Scan blend FS7
Drive bush	Insert system for flexible exchange
Threaded holes	Blind tapped
Certification	ATEX Directive EC 94/9/EG II 2 G D c 120 C





Limit switch box



Padlock

OPTIONS

- Limit switches inside or outside gearbox, conf. To VDI/VDE 3845 standard
- Stainless Steel shafts, various position indicators
- Memory stops, padlock devices and Namur kits

REMARKS

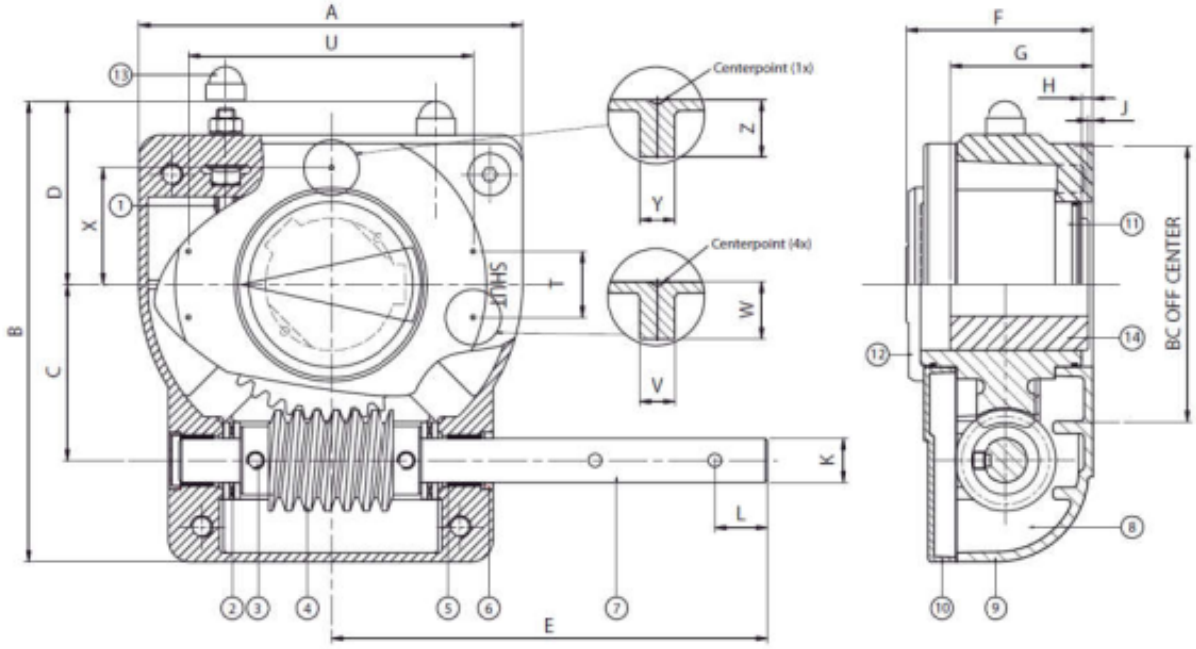
- Gearboxes are not suitable for chain wheel operation
- Inside switches only possible in 232-07LX and 232-10LX (old gearbox style)

RANGE

Type	TtC	Torque [Nm]		M.A. ±15%	Valve attachment ISO 5211				Drive	
		Output	Input		Flange options			DN	Max. square [mm]	Max. bore [mm]
232-05	10	125	12.5	10	F04-N	F05-N	F07-N	50-125	14	15
232-06	10	250	25	10	F05-N	F07-N			17	20
232-08	9.25	500	41.7	12	F07-N	F10-N		150-300	27	30
232-11	11.25	900	75	12	F10-N	F12-N			36	44
232-13	10	1000	83	12	F10-N	F12-N	F14-N	350	36	44
232-14	10	1500	125	12	F10-N	F12-N	F14-N	400-450	36	44
232-15	10	1500	125	12	F10-N	F12-N	F14-N		46	55

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DIMENSIONS – GEAR BOX



Type	A	B	C	D	E	F	G	H	J	ø K	L	T	U	V	W	X	Y	Z	MASS ±kg
232-05	80	114	42.5	48	105	53	39.5	2.5	2.5	12	14	25	50	8	13	3.5	8	8	0.8
232-06	80	114	42.5	48	155	59	46	2.5	1	12	14	25	50	8	13	26.5	8	10	0.9
232-08	100	131	50	56	170	67	58.5	4	2.5	12	14	30	80	10	14	35	10	10	1.55
232-11	146	174	60	79	200	79	71	7	2.5	15	14	30	130	10	14	53	10	14	2.9
232-13	175	209	80	83	280	85	76.5	5	2	20	24	30	130	10	14	53	14	14	5.4
232-14	175	209	80	83	280	85	76.5	5	2	20	24	30	130	10	14	53	14	14	5.4
232-15	175	209	80	83	280	85	76.5	5	2	20	24	30	130	10	14	53	14	14	5.4

MOUNTING POSITIONS

Wouter Witzel STANDARD position



Execution Gear box: suppliers standard
Mounting input shaft perpendicular to pipeline

OPTIONAL



Execution Gear box: supplier special Changed cover OPEN/SHUT
Mounting input shaft parallel to pipeline