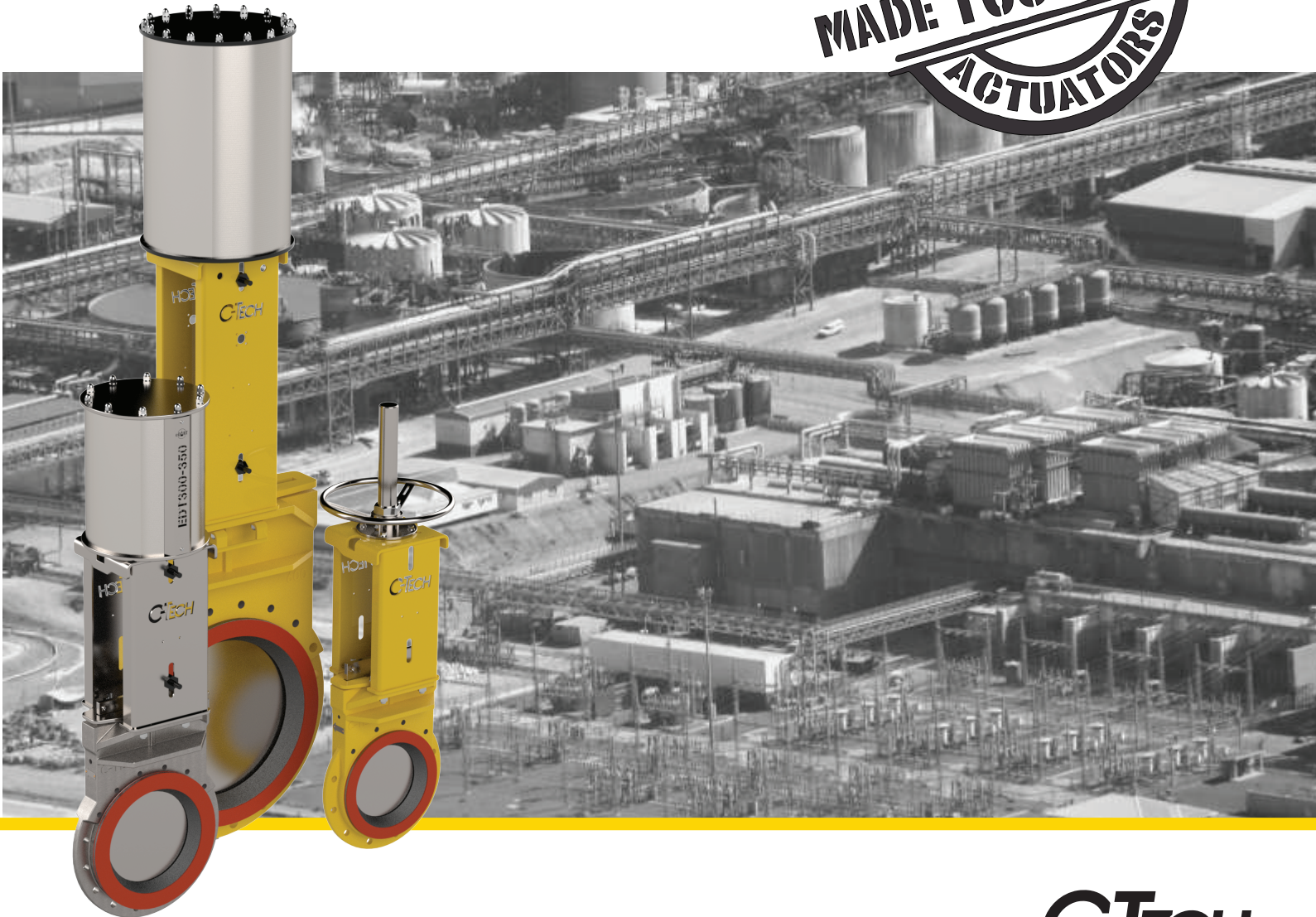


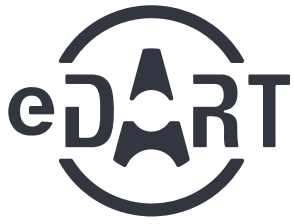


## eDART Knife Gate Valves Brochure

- DN50 - 800 (Larger size on request)
- Robust 1 piece body
- Rigid pedestal for smooth gate operation in all valve orientations
- Moving parts protected
- Seat protected by deflection cone
- Deflection cone with integral PU gasket
- SANS & BS flange drillings available
- Wide range of materials of construction
- Range of actuators, gearboxes, handwheels and accessories
- Lifting lugs for ease of installation



**C-TECH**



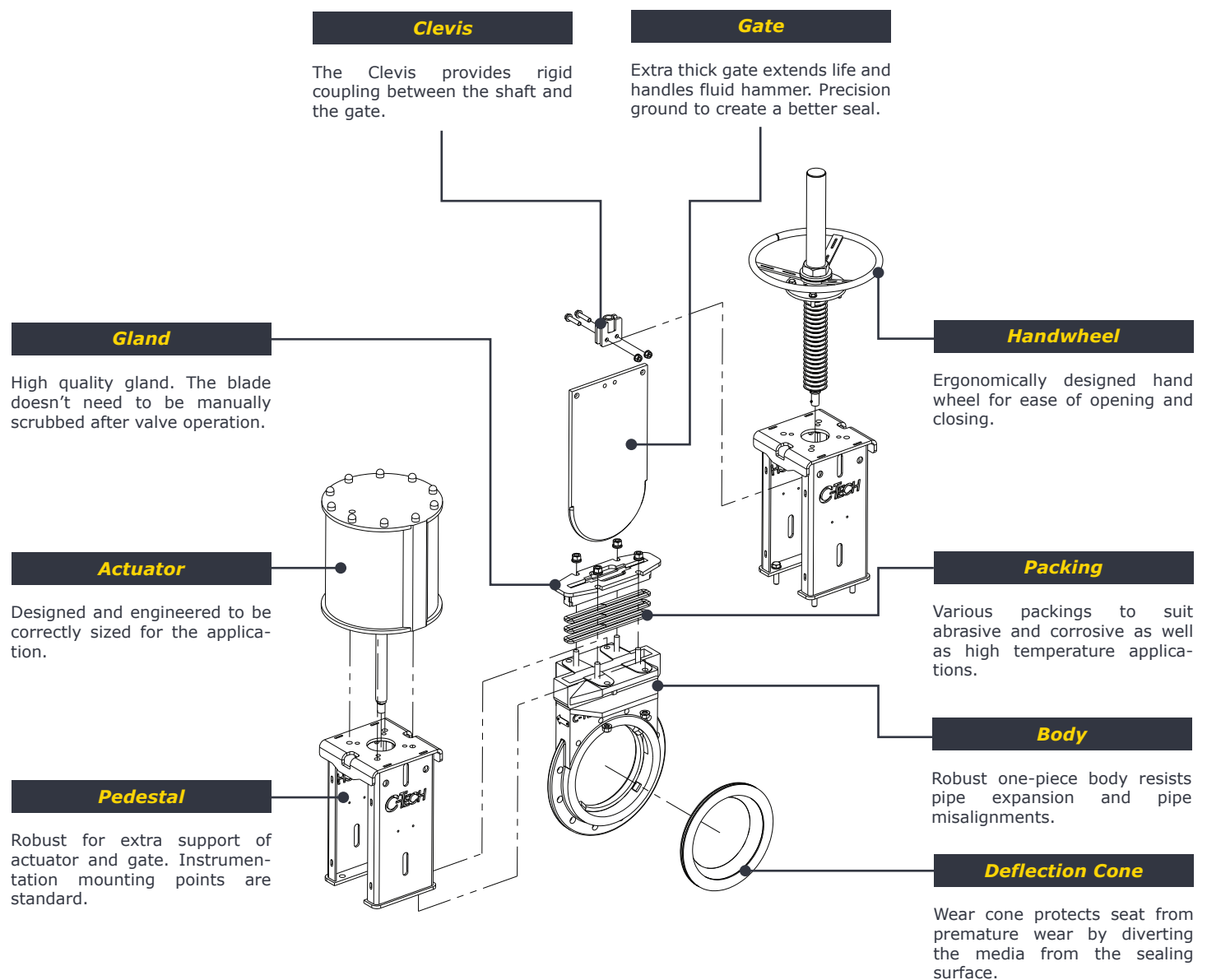
## Features & Benefits

C-Tech knife gate valves are designed for tough applications. The one-piece body ensures that the valve is not influenced by external forces and pipe misalignment, and by not having a centre seal on the body a potential leak point is eliminated.

The extra thick gate extends the valve's life and is less vulnerable to fluid hammer. The gate is precision ground so a good gland seal and seat seal is obtained and the gate doesn't need to be manually scrubbed after the valve has been operated.

The robust pedestal is large enough that the maintenance crew have adequate access to tightening the gland. The pedestal is also sufficiently strong to maintain alignment between the actuator and the gate when the valve is installed at an off-set angle.

Guards can be added to protect the moving parts from debris and to protect personnel from injury.



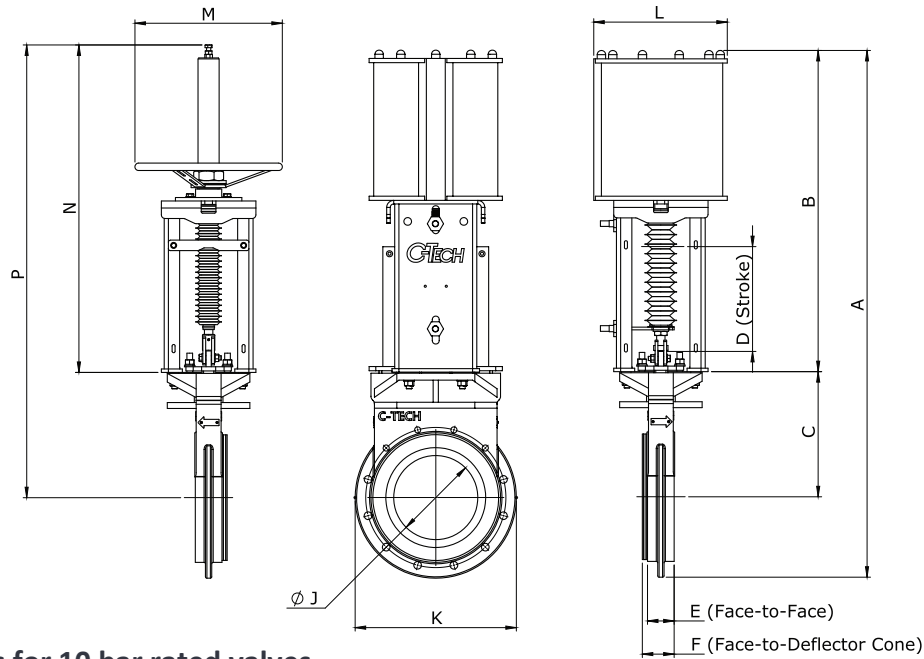
# C-Tech Technical Specifications

## Pressure Rating & Flange Drilling

	SANS1123 T/1000	SANS1123 T/1600	BS10 T/D
Pressure	10 bar (g)	16 bar (g)	6.89 bar (g)

## Materials of Construction

Part	Material Options	
Body	SG42	SAF2205
	CF8M (Stainless Steel)	Other materials on request
Pedestal	Mild Steel, [Phenoline   epoxy] painted Stainless Steel 316	
Packing	Impregnated Cotton	
	PTFE	
	Hi -temperature packing (HT Inconel reinforced graphite)	
Gate	Stainless Steel 304	SAF2205
	Stainless Steel 316	Other materials on request
Deflection Cone	Cast High-Chrome (27% Cr BS4844) with soft poly gaskets	Hard Polyurethane with soft poly gaskets
	Cast High-Chrome (27% Cr BS4844) without poly	SAF2205 or CF8M (316 Stainless Steel)



## Overall Dimensions for 10 bar rated valves

Size	Actuator					Gearbox			Without Deflection Cone		With Deflection Cone		C	K
	Type	A	B	D	L	P	N	M	E	ΦJ	F	ΦJ		
100	EDT100	736	459	105	164	760	484	271	51	92	69	80	164	225
150	EDT160	929	572	165	222	756	537	271	57	150	68	120	214	285
200	EDT200	1136	702	210	265	926	662	271	70	200	85	165	264	340
250	EDT250	1343	832	250	318	1166	860	421	70	250	88	193	306	410
300	EDT300	1507	914	306	382	1257	899	422	76	300	91	240	358	460
350	EDT300	1683	1003	247	382	1470	1115	400	76	350	91	292	417	525
400	EDT300	1956	1193	400	382	1703	1233	400	89	400	104	339	470	585
450	EDT450	2120	1282	450	475	1818	1298	400	89	430	110	387	520	635
500	EDT400	2386	1444	500	475	Gearbox			114	500	133	426	585	715
600	EDT400	2688	1559	600	475	Gearbox			114	600	139	516	707	835
700	N/A	3152	1896	695	625	Gearbox			127	675	160	605	810	915
750	N/A	3381	2046	745	625	Gearbox			140	725	173	650	860	957
800	N/A	3524	2096	795	625	Gearbox			152	770	185	700	910	1035

\* = Dimensions subject to change without notice.  
 x = Information not available at time of publication.





Contact



Our Footprint in Africa

- E Eritrea
- BT Botswana
- D DRC
- ML Mali
- MZ Mozambique
- NM Namibia
- SA South Africa
- SW Swaziland
- TA Tanzania
- ZM Zambia
- ZI Zimbabwe

