

SAMiGUARD

The SAMiGUARD is a new overload protection system designed to address the drawbacks of conventional shear pins. It uses a tapered pin (fuse) to overcome issues such as pin fatigue, fretting, and uncertainty in load sharing. This innovative system aims to enhance safety and minimize downtime in process plants.



SAMIFLEX A3 Coupling + SAMiGUARD
Tapered Shear Pin Torque Limiter

SAMIFLEX Coupling + SAMiGUARD = DOWNTIME PROTECTION

Advantages:

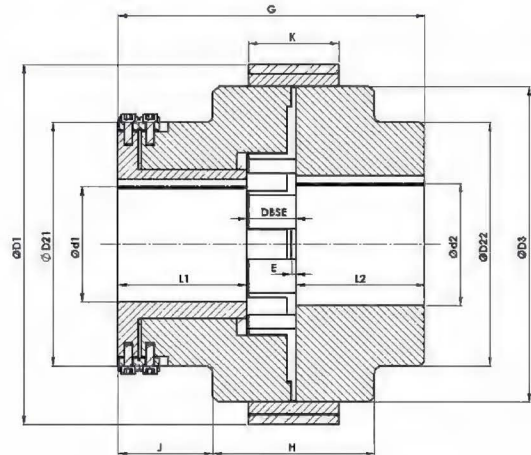
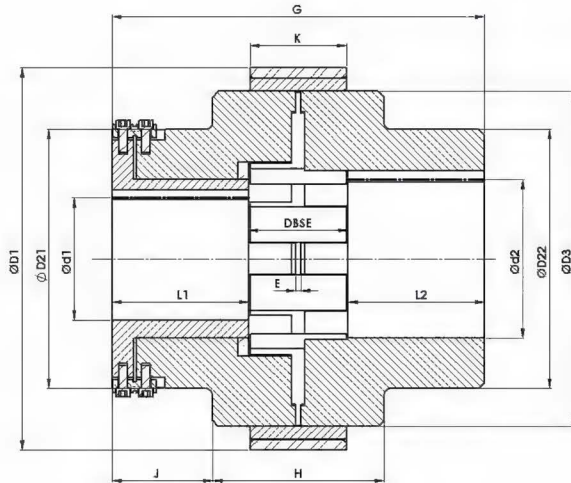
- Easy access - the drive is reset in minutes, and only the fuse is replaced
- Taper construction gives maximum rigidity with no wear from backlash
- Clamping screws give favorable axial location; shear neck cannot be displaced from correct position between flanges
- Equal load sharing with multiple fuses in high-torque drives
- Very high capacity within compact dimensions
- Shear necks are standardized and color-coded, giving safe, tamper-proof repeatability and spare economy
- "Fail-safe" under all conditions.
- Not affected by changes in temperature or humidity
- Ability to release not dependent on lubrication



CARLSON-DIMOND & WRIGHT, INC.

SAMiGUARD

SAMiGUARD for SAMIFLEX TYPE A & CS HUBS



SAMiGUARD COUPLING TYPE A

Samiflex insert STD Yellow Torque (Nm)				DIMENSIONS (mm)													
Size	Nominal	Maximum	r.p.m	Ød1 (max)	Ød2 (max)	G	DBSE	L1	L2	D1	D21	D22	D3	K	J	H	E
A3	220	550	4900	44	50	157	44,6	56	56	143	100	85	116	42	46,5	65	2,5
A4	460	1150	3800	50	65	180	53,5	63	63	178	140	110	150	51	47	85,5	3,5
A5	1150	2875	3000	65	85	215	54,1	84	77	225	160	140	190	59	57	101	3,5
A6	2300	4600	2450	85	110	259	69,1	95	95	266	180	180	233	67	70	119	3,5
A7	4600	9200	2100	110	130	310	78,0	116	116	306	230	205	267	75	88	134	4

SAMiGUARD COUPLING TYPE CS

Samiflex insert STD Yellow Torque (Nm)				DIMENSIONS (mm)													
Size	Nominal	Maximum	r.p.m	Ød1 (max)	Ød2 (max)	G	DBSE	L1	L2	D1	D21	D22	D3	K	J	H	E
A3CS	220	550	4900	44	50	137	24,3	56	56	143	100	85	116	42	46,5	65	2,5
A4CS	460	1150	3800	50	65	155	28,5	63	63	178	140	110	150	51	47	85,5	3,5
A5CS	1150	2875	3000	65	85	186	25,3	84	77	225	160	140	190	59	57	101	3,5
A6CS	2300	4600	2450	85	110	226	36,3	95	95	266	180	180	233	67	70	119	3,5
A7CS	4600	9200	2100	110	130	273	41,0	116	116	306	230	205	267	75	88	134	4

*For release torque please consult the factory.



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