

# Swing-Arm® Clamps

for Series 970 PowerTrip™ Connectors

## 870P001 PowerTrip Swing-Arm, Non-EMI

**Self-Locking**



**Self-locking, adjustable arms.** Aluminum or SST. Use with unshielded power cables. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threads to withstand high vibration. Full radius saddles have self-locking clinch nuts, bushing option fills excess voids in clamp. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in aluminum or stainless steel. Use Glenair TurboFlex power feeder cable to mitigate contact/grommet splay.

**Adapter Code P**  
This accessory fits Glenair PowerTrip connectors

**PART NUMBER**

<b>Base P/N</b>	<b>870P001</b>	<b>MT</b>	<b>20</b>	<b>-4</b>
<b>Finish Symbol</b>	See Table 2			
<b>Order Number</b>	See Table 1			
<b>Bushing Option</b>	See Table 3 (Omit for none)			

**TABLE 2**

Sym	Finish Description	Component
<b>Aluminum Alloy</b>		
<b>ME</b>	Electroless Nickel	Coupling, Clamp, Saddle Bars
<b>MT</b>	Nickel - PTFE	Coupling, Clamp, Saddle Bars
<b>NF</b>	Cad O.D. Over E.N.	Coupling, Clamp, Saddle Bars
<b>ZR</b>	Zinc - Nickel, Black Over E.N.	Coupling, Clamp, Saddle Bars
<b>300 Series Stainless Steel</b>		
<b>ZM</b>	Electroless Nickel	Clamp, Saddle Bars
	Passivate	Coupling
<b>ZMT</b>	Nickel - PTFE	Clamp, Saddle Bars
	Passivate	Coupling
<b>ZW</b>	Cad O.D. Over E.N.	Clamp, Saddle Bars
	Passivate	Coupling
<b>ZI</b>	Passivate	Coupling, Clamp, Saddle Bars

**MATERIAL/FINISH**

Coupling nut, clamp, saddle bars: see Table 2  
Hardware: cres/passivate  
Bushing & anti-decoupling device: high temperature thermoplastic / NA

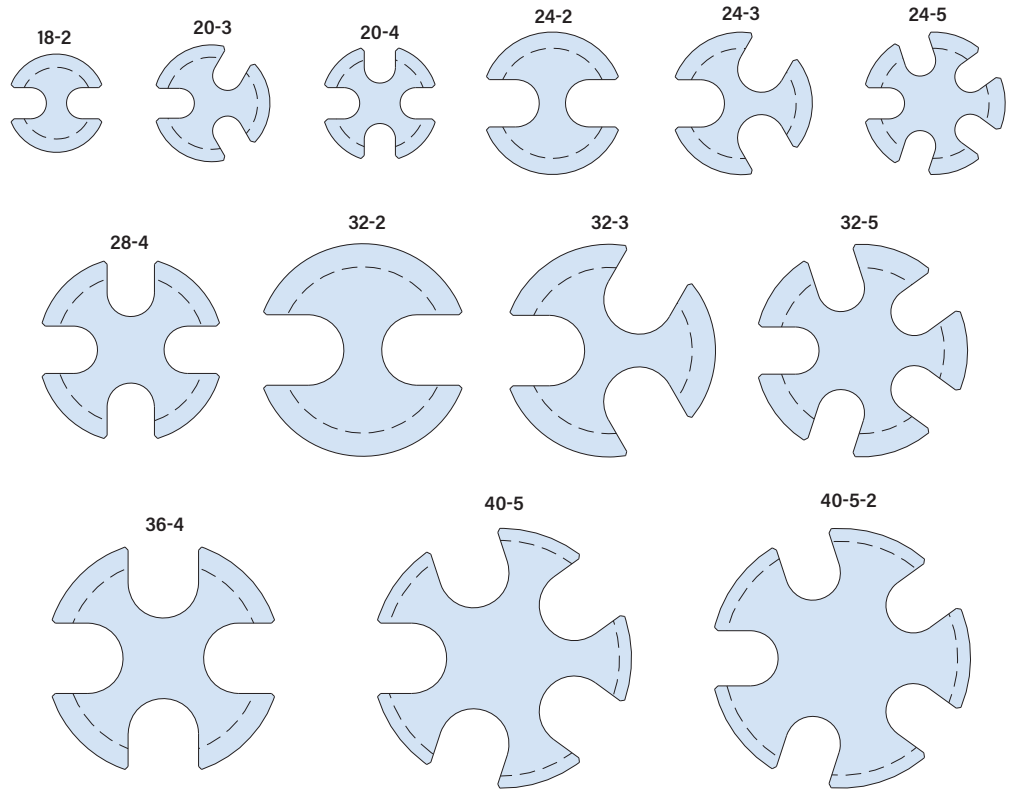
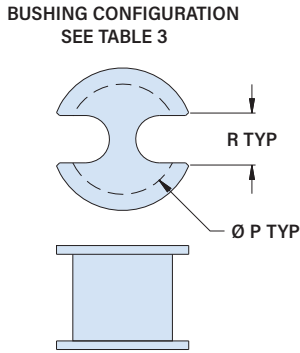
**TABLE 1**

Order No	A Thread Class 2b	B Max in	B Max mm	C ± .031 in	C ± .031 mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Ref in	H Ref mm	J Max in	J Max mm	K Max in	K Max mm	L Ref in	L Ref mm	M Ref in	M Ref mm
18	11/8-18 UNEF	1.39	35.3	0.518	13.2	1.795	45.6	2.379	60.4	2.280	57.9	1.211	30.8	1.52	38.6	1.513	38.4	1.310	33.3	0.63	16.0	0.63	16.0
20	11/4-18 UNEF	1.53	38.9	0.665	16.9	1.929	49.0	2.504	63.6	2.456	62.4	1.263	32.1	1.81	46.0	1.711	43.5	1.310	33.3	0.75	19.1	0.63	16.0
24	17/16-18 UNEF	1.72	43.7	0.795	20.2	2.114	53.7	2.879	73.1	2.805	71.3	1.486	37.7	2.12	53.9	1.901	48.3	1.560	39.6	0.88	22.4	0.75	19.1
28	113/16-16 UN	2.13	54.1	1.080	27.4	2.424	61.6	3.004	76.3	3.031	77.0	1.587	40.3	2.41	61.2	2.169	55.1	1.560	39.6	1.00	25.4	0.75	19.1
32	2 1/16-16 UNS	2.35	59.7	1.200	30.5	2.816	71.5	3.629	92.2	3.596	91.3	2.027	51.5	2.75	69.9	2.417	61.4	2.060	52.3	1.13	28.7	0.88	22.4
36	2 1/4-16 UN	2.59	65.8	1.400	35.6	3.019	76.7	3.754	95.4	3.792	96.3	2.098	53.3	3.03	77.0	2.642	67.1	2.060	52.3	1.25	31.8	0.88	22.4
40	2 1/2-16 UN	2.87	72.9	1.700	43.2	3.246	82.5	3.879	98.5	4.023	102.2	2.204	56.0	3.32	84.3	2.917	74.1	2.060	52.3	1.38	35.1	0.88	22.4

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**TABLE 3**

Shell Size	Bushing Option	øP In.	øP mm.	R In.	R mm.
18	-2	0.518	13.2	0.225	5.7
20	-3	0.665	16.9	0.215	5.5
20	-4	0.665	16.9	0.225	5.7
24	-2	0.795	20.2	0.342	8.7
24	-3	0.795	20.2	0.341	8.7
24	-5	0.795	20.2	0.225	5.7
28	-4	1.080	27.4	0.341	8.7
32	-2	1.200	30.5	0.508	12.9
32	-3	1.200	30.5	0.508	12.9
32	-5	1.200	30.5	0.341	8.7
36	-4	1.400	35.6	0.508	12.9
40	-5	1.700	43.2	0.508	12.9
40	-5 -2	1.688	42.9	0.398	10.1