# SKF Couplings Preselection Comparison

| Selection Criterion | COUPLING TYPE | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | SKF Flex | Gear | Grid | Chain | FRC | JAW | Rigid | Universal Joints |
| Shaft Size Range (mm) | 9 to 190 | 13 to 425 | 12 to 361 | 15.9 to 155.6 | 9 to 100 | 9 to 60 | 32 to 125 | 6 to 55 |
| Torque Range (Nm) | 24 to 14675 | 844 to 491815 | 48 to 169538 | Max 17100 | 31.5 to 3150 | 3.51 to 280 | 130 to 4000 | 13.5 to 5300 |
| Maximum RPM | 4500 | 8000 | 4500 | 5000 | 3600 | 3600 | 4500 | 1800 |
| Maximum Parallel Misalignment Capability (mm) | 1.1 to 6.6 | 1.2 to 12.7 | 0.3 to 0.76 | 0,038 | 0,5 | 0,038 | Need Good Alighnment | Good |
| Maximum Angular Misalignment Capability (Deg) | Upto 4º | Upto 3º | Upto 0.25º | Upto 2º | Upto 1º | Upto 1º | Need Good Alighnment | 25º |
| Temperature Range (std. element) | -50º to 70ºC | -54º to 149ºC | -54º to 149ºC | -35º to 120ºC | -40º to 100ºC | -40º to 100ºC | High | High |
| Shock Load Capacity | Excellent | Excellent | High | None | Medium | Medium | None | High |
| Speed Capability | Good | Excellent | Good | Good | Fair | Fair | Good | Fair |
| Torsional Stiffness (L-M-H) | Medium | Low | Low | Medium | Low | Low | Medium | High |
| Ease of Installation/Maintenance | Excellent | Excellent | Fair | Good | Excellent | Excellent | Excellent | Fair |
| Chemical Resistance | Poor | Good | Fair | Good | Good | Good | Excellent | Good |
| Adaptable to Several Designs | Good | Excellent | Good | Good | Excellent | Excellent | Excellent | Good |
| Damping Capacity | Excellent | Poor | Good | None | Fair | Fair | None | Poor |