

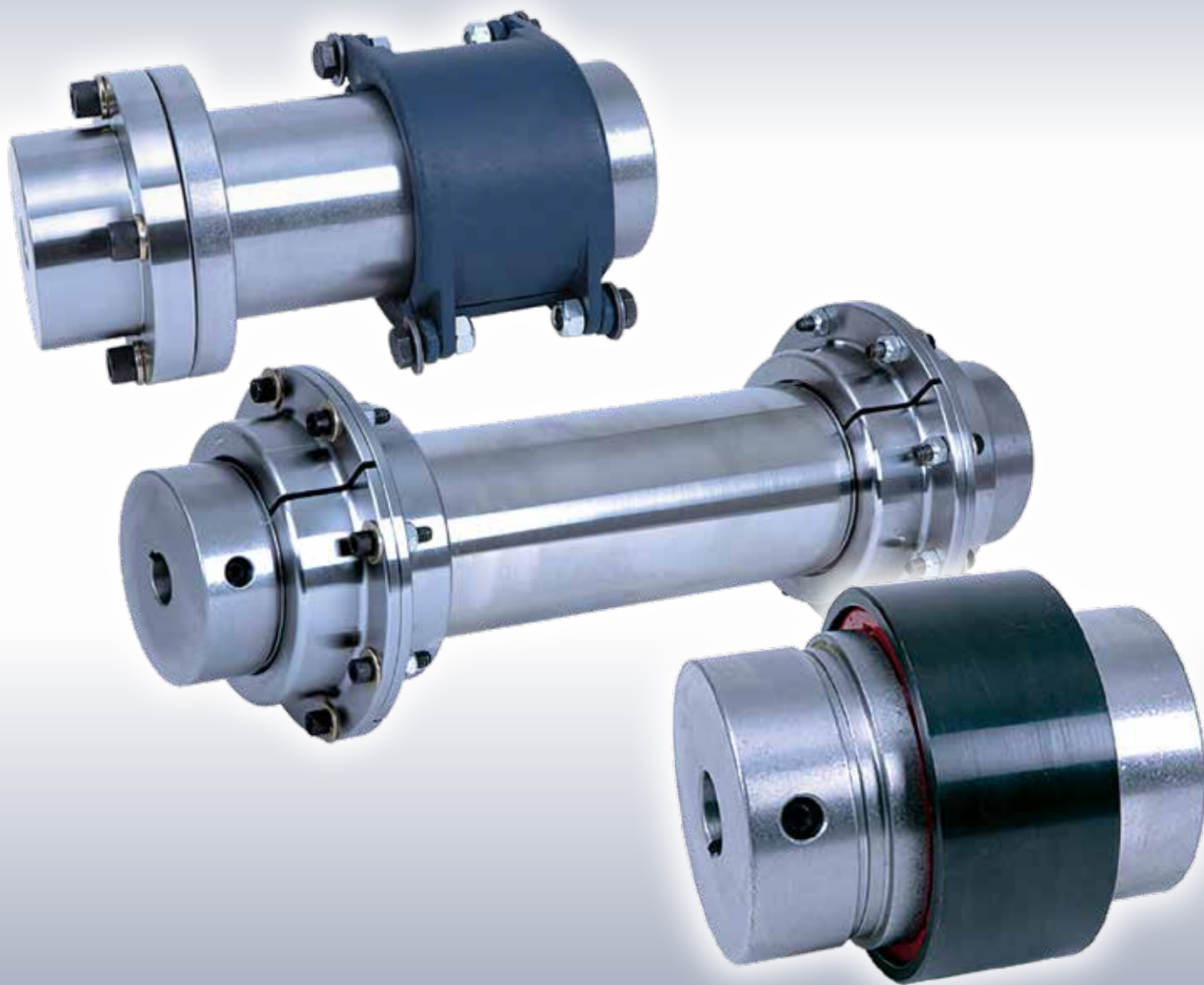


COUPLINGS & UNIVERSAL JOINTS
BY TIMKEN

Quick-Flex[®] Couplings

Interchange Guide

for Elastomeric / Chain



Better Performance. Less Maintenance.

Quick Reference Guide

Quick-Flex Close Coupled Coupling Interchange

SureFlex®, QuadraFlex®

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|------|--------------|-------------------|-------------|--------------|---------------------------------|-------|
| 3J | 0.875 | 60 | QF5 | 1.250 | 377 | - |
| 4J | 1.000 | 120 | QF5 | 1.250 | 377 | - |
| 5J | 1.125 | 240 | QF5 | 1.250 | 377 | - |
| 6S | 1.437 | 450 | QF5 | 1.250 | 377 | 1 |
| 7S | 1.625 | 725 | QF15 | 1.625 | 1,059 | - |
| 8S | 1.937 | 1,135 | QF25 | 2.125 | 3,426 | - |
| 9S | 2.375 | 1,800 | QF50 | 2.375 | 7,066 | 2 |
| 10S | 2.750 | 2,875 | QF100 | 3.000 | 14,178 | - |
| 11S | 3.375 | 4,530 | QF175 | 3.875 | 24,602 | - |
| 12S | 3.875 | 7,200 | QF175 | 3.875 | 24,602 | - |

Magnaloy

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|------|--------------|-------------------|-------------|--------------|---------------------------------|-------|
| 100 | 1.125 | 341 | QF5 | 1.250 | 377 | - |
| 200 | 1.375 | 398 | QF15 | 1.625 | 1,059 | 2 |
| 300 | 1.625 | 701 | QF15 | 1.625 | 1,059 | - |
| 400 | 1.875 | 1056 | QF25 | 2.125 | 3,426 | 2 |
| 500 | 2.375 | 2,195 | QF50 | 2.375 | 7,066 | 2 |
| 600 | 2.625 | 4,947 | QF100 | 3.000 | 14,178 | 2 |
| 700 | 2.875 | 11,640 | QF100 | 3.000 | 14,178 | - |
| 800 | 3.875 | 21,889 | QF175 | 3.875 | 24,602 | 4 |
| 900 | 4.750 | 47,842 | QF1000 | 5.500 | 84,966 | 2, 4 |

- NOTES:**
- 1 Check required bore
 - 2 Check required bore smaller size may be suitable
 - 3 Smaller size coupling may be suitable using split cover and/or High torque insert
 - 4 Split cover only
 - 5 High torque insert
 - 6 Verify required torque for insert type



Quick Reference Guide

Quick-Flex Close Coupled Coupling Interchange

Rex® Omega

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|------|--------------|-------------------|-------------|--------------|---------------------------------|---------|
| E2 | 1.13 | 190 | QF5 | 1.25 | 377 | – |
| E3 | 1.38 | 365 | QF15 | 1.625 | 1,059 | 2 |
| E4 | 1.63 | 550 | QF15 | 1.625 | 1,059 | – |
| E5 | 1.88 | 925 | QF25 | 2.125 | 3,426 | 2 |
| E10 | 2.13 | 1,450 | QF25 | 2.125 | 3,426 | – |
| E20 | 2.38 | 2,300 | QF50 | 2.375 | 7,066 | 2 |
| E30 | 2.88 | 3,650 | QF100 | 3.000 | 14,178 | – |
| E40 | 3.38 | 5,500 | QF175 | 3.875 | 24,602 | 2 |
| E50 | 3.63 | 7,650 | QF175 | 3.875 | 24,602 | – |
| E60 | 4.00 | 12,500 | QF250 | 4.125 | 31,091 | 2 |
| E70 | 4.50 | 22,125 | QF500 | 4.5 | 60,091 | 2 |
| D80 | 6.00 | 39,500 | QF1890 | 7 | 84,966 | 2, 4, 6 |
| E100 | 6.75 | 85,050 | QF1890 | 7 | 84,966 | 4 |

Dodge® PARAFLEX®

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|-------|--------------|-------------------|-------------|--------------|---------------------------------|---------|
| PX40 | 1.437 | 429 | QF15 | 1.625 | 1,059 | 1 |
| PX50 | 1.875 | 900 | QF25 | 2.125 | 3,426 | 1 |
| PX60 | 1.5 | 1,800 | QF25 | 2.125 | 3,426 | 3 |
| PX70 | 2.375 | 2,200 | QF50 | 2.375 | 7,066 | 2 |
| PX80 | 2.875 | 3,605 | QF100 | 3.000 | 14,178 | – |
| PX90 | 3.25 | 4,502 | QF175 | 3.875 | 24,602 | 2 |
| PX100 | 3.25 | 5,402 | QF175 | 3.875 | 24,602 | 2 |
| PX110 | 3.937 | 7,750 | QF250 | 4.125 | 31,091 | 2 |
| PX120 | 4 | 12,605 | QF250 | 4.125 | 31,091 | 2 |
| PX140 | 4.5 | 27,590 | QF500 | 4.5 | 60,091 | 2, 3 |
| PX160 | 6 | 37,800 | QF1890 | 7 | 84,966 | 3 |
| PX200 | 6.75 | 82,500 | QF1890 | 7 | 84,966 | 4 |
| PX240 | 7.5 | 151,200 | QF3150 | 8 | 105,135 | 2, 3, 4 |

- NOTES:**
- 1 Check required bore
 - 2 Check required bore smaller size may be suitable
 - 3 Smaller size coupling may be suitable using split cover and/or High torque insert
 - 4 Split cover only
 - 5 High torque insert
 - 6 Verify required torque for insert type

Quick Reference Guide

Quick-Flex Close Coupled Coupling Interchange

Chain Coupling

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|-------|--------------|-------------------|-------------|--------------|---------------------------------|-------|
| 4012 | 0.875 | 1,355 | QF5 | 1.25 | 377 | 5 |
| 4016 | 1.362 | 2,414 | QF15 | 1.625 | 1,059 | 5 |
| 5012 | 1.125 | 2,540 | QF15 | 1.625 | 1,059 | 5 |
| 5016 | 1.688 | 4,613 | QF25 | 2.125 | 3,426 | 5 |
| 5018 | 2 | 5,968 | QF25 | 2.125 | 3,426 | 5 |
| 6018 | 2.437 | 10,903 | QF50 | 2.375 | 7,066 | 1, 5 |
| 6020 | 2.75 | 14,180 | QF100 | 3.000 | 14,178 | 5 |
| 8018 | 3.125 | 24,238 | QF175 | 3.875 | 24,602 | 2, 5 |
| 8020 | 3.562 | 31,701 | QF175 | 3.875 | 24,602 | 5 |
| 10020 | 4.625 | 54,705 | QF500 | 4.5 | 60,091 | 1, 4 |
| 12018 | 4.688 | 86,344 | QF1000 | 5.5 | 84,966 | 6 |

KOP-FLEX® (EPT) Elastomeric

| Size | Max Bore in. | Torque in. - lbs. | Quick-Flex® | Max Bore in. | Torque w/ Red Insert in. - lbs. | Notes |
|------|--------------|-------------------|-------------|--------------|---------------------------------|-------|
| 20E | 1.188 | 217 | QF5 | 1.25 | 377 | - |
| 30E | 1.625 | 418 | QF15 | 1.625 | 1,059 | - |
| 40E | 2 | 725 | QF25 | 2.125 | 3,426 | - |
| 50E | 2.25 | 1,260 | QF50 | 2.375 | 7,066 | 2 |
| 60E | 3 | 1,920 | QF100 | 3.000 | 14,178 | - |
| 70E | 3.25 | 4,540 | QF175 | 3.875 | 24,602 | 2 |
| 80E | 4.125 | 8,190 | QF250 | 4.125 | 31,091 | 2 |
| 90E | 5.125 | 14,200 | QF1000 | 5.5 | 84,966 | 2 |
| 100E | 5.625 | 26,500 | QF1890 | 7 | 84,966 | 2 |

- NOTES:**
- 1 Check required bore
 - 2 Check required bore smaller size may be suitable
 - 3 Smaller size coupling may be suitable using split cover and/or High torque insert
 - 4 Split cover only
 - 5 High torque insert
 - 6 Verify required torque for insert type



Quick Reference Guide

Standard Coupling Nomenclature

A complete standard coupling unit consists of:

- Two hubs
- One insert
- One cover

Hubs

| | | | | | |
|------|------|---|-------|---|-----|
| QF25 | S303 | X | 1 3/8 | U | -99 |
|------|------|---|-------|---|-----|

| | | | | | |
|--|--|--|--|--|--|
| <p>COUPLING SERIES</p> <p>QF5 QF50 QF250 QF1890</p> <p>QF15 QF100 QF500 QF3150</p> <p>QF25 QF175 QF1000 QF10260</p> | | | | | |
| <p>STEEL TYPE</p> <p>BLANK: steel (standard on QF15 and up)</p> <p>S303: 303 stainless (standard on QF5; optional on QF15 and up)</p> <p>S316: optional 316 stainless (MTO)</p> | | | | | |
| <p>BORE SIZE</p> <p>In inch or metric sizes.</p> <p>In bushing-style sizes.</p> <p>In mill-motor sizes.</p> <p>In splined-hub sizes.</p> | | | | | |
| <p>SHAFT FIT</p> <p>BLANK: Clearance fit</p> <p>U: Interference fit</p> | | | | | |
| <p>SUFFIX</p> <p>-99: Mill motor hub</p> | | | | | |

Notes: Inch bore and keyway tolerances conform to ANSI/AGMA 9002.
 Metric bore tolerances conform to ISO 286-2 H7 for clearance fit and P7 for interference fit.
 Metric keyway tolerances conform to ANSI/AGMA 9112 Normal keyway width tolerance.

Inserts

| | |
|------|---------|
| QF25 | BINSERT |
|------|---------|

| | |
|--|--|
| <p>COUPLING SERIES</p> <p>QF5 QF50 QF250 QF1890</p> <p>QF15 QF100 QF500 QF3150</p> <p>QF25 QF175 QF1000 QF10260</p> | |
| <p>INSERT COLOR/TYPE</p> <p>INSERT: red/standard</p> <p>BINSERT: blue/high torque</p> <p>HINSERT: white/high temperature</p> <p>TINSERT: black/highest torque</p> | |

Quick Reference Guide

Standard Coupling Nomenclature

A complete standard coupling unit consists of:

- Two hubs
- One insert
- One cover

Covers

| | | | | QF25 | VSPCOVER |
|---|-------|--------|---------|------|----------|
| COUPLING SERIES | | | | | |
| QF5 | QF50 | QF250 | QF1890 | | |
| QF15 | QF100 | QF500 | QF3150 | | |
| QF25 | QF175 | QF1000 | QF10260 | | |
| COVER TYPE | | | | | |
| COVER: high-speed cover (available on QF5-QF1000) | | | | | |
| SPCOVER: low-speed split cover (QF15-QF500) | | | | | |
| VSPCOVER: high-speed split cover (QF15-QF10260) | | | | | |
| HPCOVER: high-performance cover (QF15-QF250) | | | | | |

Spacer Coupling Nomenclature

A complete single-ended spacer coupling unit consists of:

- One standard hub
- One flanged spacer hub.
- One single-ended spacer body
- One insert
- One cover

| | | | | | QF25 | SPHUB | X | 1 3/8 | U |
|---|--|--|--|--|------|-------|---|-------|---|
| COUPLING SERIES | | | | | | | | | |
| FLANGED SPACER HUB | | | | | | | | | |
| BORE SIZE | | | | | | | | | |
| In inch or metric | | | | | | | | | |
| Flanged spacer hubs are standard with pilot bore, but may be ordered with custom bore size. | | | | | | | | | |
| SHAFT FIT | | | | | | | | | |
| BLANK: Clearance fit | | | | | | | | | |
| U: Interference fit | | | | | | | | | |

Notes: Inch bore and keyway tolerances conform to ANSI/AGMA 9002.

Metric bore tolerances conform to ISO 286-2 H7 for clearance fit and P7 for interference fit.

Metric keyway tolerances conform to ANSI/AGMA 9112 Normal keyway width tolerance.



Quick Reference Guide

Spacer Coupling Nomenclature

A complete single-ended spacer coupling unit consists of:

- One standard hub
- One flanged spacer hub.
- One single-ended spacer body
- One insert
- One cover

Flanged spacer bodies



| COUPLING SERIES | | | |
|-----------------|-------|--------|---------|
| QF5 | QF50 | QF250 | QF1890 |
| QF15 | QF100 | QF500 | QF3150 |
| QF25 | QF175 | QF1000 | QF10260 |

| BODY TYPE |
|------------------------------------|
| SPBODY: single-ended spacer body |
| DESPBODY: double-ended spacer body |

Quick-Flex® Couplings

Easy-to-install elastomeric couplings designed to withstand harsh conditions.



Better Performance. Less Maintenance.



Lovejoy
2655 Wisconsin Avenue
Downers Grove, IL 60515

630-852-0500
630-852-2120 fax
info@lovejoy-inc.com

www.lovejoy-inc.com

ISO 9001 Certified

Lovejoy™ is a registered trademark of Lovejoy, Inc.
Quick-Flex® is a registered trademark of The Timken Company.