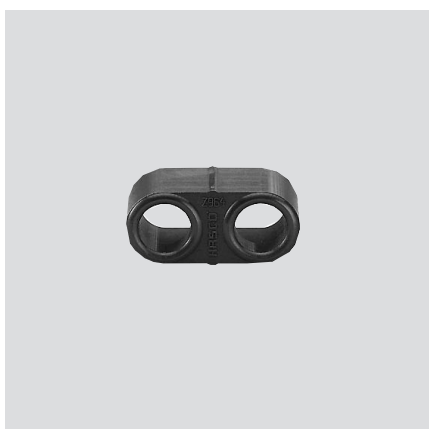


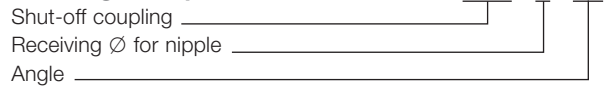
5

Cooling system














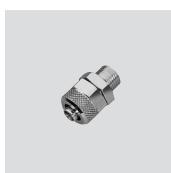















Cooling connectors (couplings, nipples),
Hoses, O-rings, Spot cooling items,
Heat pipes

Ordering example:



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■ New product

	Z 765/...* Locking housing Mat.: 1.0718 matching with Z 766/... for multiple coupling devices	5.1		Z 8051/...* Diverting coupling unit open flow Mat.: 2.0401	5.5		Z 812/...* Double sided connector Mat.: 2.0401 matching with Z 815/...; Z 855/... and Z 876/...	5.10
	Z 766/...* Locking plug Mat.: 1.0718 matching with Z 765/...	5.1		Z 807/...* Shut-off coupling with valve Mat.: 2.0401 suitable for Z 855; Z 876	5.6		Z 814/...* Adapter Mat.: 2.0401 matching with Z 81/...; Z 811/...	5.10
	Z 80/...* Shut-off coupling with valve Mat.: 2.0401	5.2		Z 807/.../45* Shut-off coupling with valve 45° design Mat.: 2.0401	5.6		Z 815/...* Adapter Mat.: 2.0401 for connecting with heating/cooling units	5.11
	Z 80/.../45* Shut-off coupling with valve 45° design Mat.: 2.0401	5.2		Z 807/.../90* Shut-off coupling with valve 90° design Mat.: 2.0401	5.7		Z 817/... Hose nipple Mat.: 2.0401 suitable for pneumatic circuits	5.11
	Z 80/.../90* Shut-off coupling with valve 90° design Mat.: 2.0401	5.3		Z 808/...* Coupling open flow Mat.: 2.0401 suits also Z 97/...	5.7		Z 819/...* Multiple shut-off nipple with valve Mat.: 2.0401 matching with Z 809/...	5.12
	Z 801/...* Coupling open flow Mat.: 2.0401	5.3		Z 809/...* Multiple shut-off coupling with valve Mat.: 2.0401 matching with Z 819/...	5.8		Z 82/...* Shut-off coupling with valve Mat.: 2.0401	5.12
	Z 801/.../45* Coupling open flow 45° design Mat.: 2.0401	5.4		Z 81/...* Nipple open flow Mat.: 2.0401 matching with Z 80/ 801/807/808/... and Z 82/...	5.8		Z 83/...* Plug-in connector Mat.: 2.0401 matching with Z 80/...; Z 801/...; Z 807/...; Z 82/...	5.13
	Z 801/.../90* Coupling open flow 90° design Mat.: 2.0401	5.4		Z 81/.../90* Nipple open flow 90° design Mat.: 2.0401	5.9		Z 831/...* Plug-in connector Mat.: 2.0401 suitable for pneumatic circuits	5.13
	Z 805/...* Diverting coupling unit with valve Mat.: 2.0401	5.5		Z 811/...* Shut-off nipple with valve Mat.: 2.0401	5.9		Z 84/...* Plastic-hose transparent - white suitable for pneumatic circuits	5.14

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* = For technical details please refer to HPC-section












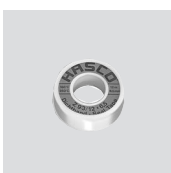



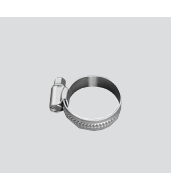











** = Product to be phased out

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Cooling system

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■ New product

	Z85/...* Plastic-hose transparent – white textile reinforced Mat.: PVC	5.14		Z875/...* Hose nipple Mat.: 2.0401 matching with Z85/...; Z851/... and Z853/...	5.19		Z905/...* Adapter Mat.: 2.0401 matching with Z81/...; Z811/...	5.23
	Z851/...* Plastic-hose transparent – red textile reinforced Mat.: PVC	5.15		Z876/...* Hose nipple Mat.: 2.0401 matching with Z85/...; Z851/... and Z853/...	5.19		Z906/...* Extension tube Mat.: 2.0401 matching with Z81/...; Z811/...	5.24
	Z853/...* Rubber hose with metal braiding	5.15		Z876/.. /45* Hose nipple 45° design Mat.: 2.0401	5.20		Z91/...* Extension tube Mat.: 2.0401 for remote positioned cooling lines	5.24
	Z854/...* Teflon hose Wire mesh	5.16 ■		Z876/.. /90* Hose nipple 90° design Mat.: 2.0401	5.20		Z93/... Sealing tape Mat.: Teflon®	5.25
	Z855/...* Corrugated metal hose	5.16		Z877/...* Joining piece Mat.: 2.0401 matching with Z97/...	5.21		Z94/...* Hexagon socket pipe plug with tapered thread Mat.: 2.0401 DIN 906	5.25
	Z86/... Hose clip DIN 3017-1 suitable for Z85/...; Z851/...	5.17		Z878/...* Connector Mat.: 2.0401 suitable for cooling of mould slides	5.21		Z941/...* Hexagon socket pipe plug headed Mat.: 2.0401 ≈ DIN 908	5.26
	Z861/...* Crimping sleeve used for assembly of Z85/...; Z853/... with Z865/...	5.17		Z88/...* Hose nipple Mat.: 2.0401 matching with Z85/...; Z851/... and Z853/...	5.22		Z942/...* Sealing plug Mat.: 2.0401 used for diverting of cooling lines, fitting with Z945/...	5.26
	Z865/...* Crimping tool suitable for hose assembly with Z861/...	5.18		Z89/...* Hose nipple with tapered thread Mat.: 2.0401 matching with Z85/...; Z851/...; Z853/...	5.22		Z945/1* Assembly-Set used for fitting of Z942/... suitable for Dia. 6 to 8	5.27
	Z87/...* Hose nipple Mat.: 2.0401 matching with Z85/...; Z851/... and Z853/...	5.18		Z90/...* Extension nipple Mat.: 2.0401 matching with Z80/...; Z801/...; Z807/...; Z808/...	5.23		Z945/2* Assembly-Set used for fitting of Z942/... suitable for Dia. 10 to 16	5.27

* = For technical details please refer to INFO-section

** = Product to be phased out

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Cooling system

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■ New product



Z 947/1* 5.28
Scale tube
 with pulling rod, accessory item for Z 945/1 for fitting of Z 942/... in remote positions



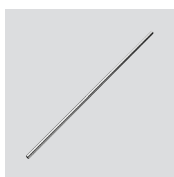
Z 968/...* 5.32
Spiral core
 single threaded
 Mat.: PA, GFK



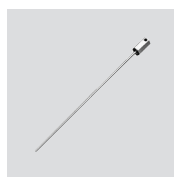
Z 947/2* 5.28
Scale tube
 with pulling rod, accessory item for Z 945/2 for fitting of Z 942/... in remote positions



Z 969/...* 5.33
Spiral core
 double threaded
 Mat.: PA, GFK



Z 95/... 5.29
Cooling tube
 Mat.: 2.0321



Z 97/...* 5.33
Cascade water junction
 Mat.: 2.0401
 used for spot-cooling



Z 96/...* 5.29
Spiral core
 single threaded
 Mat.: 3.2315



Z 975/...* 5.34
Heat transfer pipe
 Mat.: Copper,
 filled with water



Z 961/...* 5.30
Spiral core
 double threaded
 Mat.: 3.2315



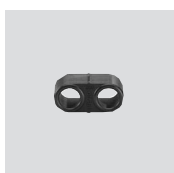
Z 98/...* 5.35
O-Ring
 Mat.: Viton®
 used for sealing of cooling systems



Z 962/... 5.30
Junction tube
 Mat.: 2.0401
 used for core cooling



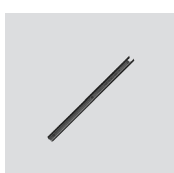
A 5130/... 5.37
 (Z 92/...)
Box spanner
 Mat.: Prehard. steel
 suitable for Z 81/...;
 Z 811/...; Z 90/...



Z 964/...* 5.31
Diverting element
 Mat.: Viton®
 Preferably for assembled inserts



Z 965/...* 5.31
Plug baffle
 Mat.: PA, GFK
 used for core cooling



Z 967/...* 5.32
Baffle core
 Mat.: PA, GFK
 used for core cooling

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* = For technical details please refer to IMFO-section
 ** = Product to be phased out